

DATE 07/14/2006

Columbia County Building Permit

PERMIT  
000024752

This Permit Expires One Year From the Date of Issue

APPLICANT LINDA RODER PHONE 386.752.2281  
ADDRESS 387 SW KEMP COURT LAKE CITY FL 32024  
OWNER MICHAEL & LINDA CADY PHONE 386.752.2281  
ADDRESS 300 SW SWEETBRIAR DRIVE LAKE CITY FL 32024  
CONTRACTOR ISAAC BRATKOVICH PHONE 386.719.7143  
LOCATION OF PROPERTY 47-S TO BRENTWOOD, TL TO HAMLET, TL TO PRISM LOOP, TL TO SWEETBRIAR, TL GO THROUGH GATE, 1ST. ON R.  
TYPE DEVELOPMENT ADDITION TO SFD ESTIMATED COST OF CONSTRUCTION 110300.00  
HEATED FLOOR AREA 2206.00 TOTAL AREA 4524.00 HEIGHT 26.10 STORIES 2  
FOUNDATION CONC WALLS FRAMED ROOF PITCH 6'12 FLOOR CONC  
LAND USE & ZONING A-3 MAX. HEIGHT 35  
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00  
NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 36-4S-16-03322-009 SUBDIVISION  
LOT BLOCK PHASE UNIT TOTAL ACRES 2.22

CBC059323  
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor  
EXISTING 06-0510-N BLK JTH N  
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: EXISTING SPECIAL FAMILY LOT PERMIT. 1 FOOT ABOVE ROAD.

Check # or Cash 5833

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$ 555.00 CERTIFICATION FEE \$ 22.62 SURCHARGE FEE \$ 22.62  
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$  
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ TOTAL FEE 675.24  
INSPECTORS OFFICE CLERKS OFFICE

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Mike & Linda  
Cady

CK# 5833

# Columbia County Building Permit Application

Revised 9-23-04

**For Office Use Only:** Application # Ad 16-52 Date Received 6/15 By JW Permit # 24752  
Application Approved by - Zoning Official BK Date 26 06 06 Plans Examiner DK JH Date 7-14-06  
Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3  
Comments -NOC- Existing Special Family Lot Permit  
Not needed

Applicants Name Linda Roder Phone 752-2281  
Address 387 S.W. Kemp St. Lake City FL 32024  
Owners Name Mike & Linda Cady Phone 755-6237  
911 Address 300 S.W. Sweet Briar Dr. Lake City FL 32024  
Contractors Name Isaac Bratkovich Phone 719-7143  
Address PMB 338, 2109 W. US Hwy 90 Lake City FL 32055  
Fee Simple Owner Name & Address NA  
Bonding Co. Name & Address NA  
Architect/Engineer Name & Address Kevin Gray / Mark Disosway  
Mortgage Lenders Name & Address Andrew Rocio

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy  
Property ID Number 36-45-16-03322-009 Estimated Cost of Construction 285 K  
Subdivision Name near Southwood Acres Lot      Block      Unit      Phase       
Driving Directions State Road 475 - Lon Brentwood, Lon Hamlet,  
L on Prism Loop, L on Sweetbriar thru gate 1st on R

Type of Construction SFD - Addition Number of Existing Dwellings on Property 1  
Total Acreage 2.22 Lot Size      Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive  
Actual Distance of Structure from Property Lines - Front 50' Side 230' Side 45' Rear 68'  
Total Building Height 8'6" 10" Number of Stories 2 Heated Floor Area 2206 Roof Pitch 5/12  
4524 Total 5-12

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

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

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

Owner Builder or Agent (Including Contractor) Linda R. Roder  
Commission #DD303275  
Expires: Mar 24, 2008  
Bonded Thru  
Atlantic Bonding Co., Inc.

STATE OF FLORIDA  
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this      day of      20    

Personally known      as      Produced Identification     

Isaac Bratkovich  
Contractor Signature  
Contractors License Number CBC 059323  
Competency Card Number       
NOTARY STAMP/SEAL

Linda R. Roder



Return to: (enclose self-addressed stamped envelope)

Name: **Tri-County Title Services**  
of Lake City, Inc.  
229 N. Hernando Street  
Lake City, Florida 32055

This instrument prepared by:  
**Return to the Issuance of Title Insurance**  
Tri-County Title Services

Address: **of Lake City, Inc.**  
229 N. Hernando Street  
Lake City, Florida 32055

Property Appraiser's Parcel Identification (Folio) Number(s):

**36-48-16-03322-009 & 01-58-16-03387-005**  
Grantee(s) S.S. # (s): **MICHAEL L. CADY 979-54-9709**  
**LINDA M. CADY 979-54-9709**

SPACE ABOVE THIS LINE FOR PROCESSING DATA

WARRANTY DEED  
INDIVID. TO INDIVID.

HAMCO FORM 01

Downloaded from the Public Records Office of the State of Florida

91-12644

1991 SEP 12 PM 2 43

*R. Deppio*

SPACE ABOVE THIS LINE FOR RECORDING DATA

**This Warranty Deed** Made the 4th day of September A.D. 1991 by  
ROBERT A. BERMAN  
hereinafter called the grantor, to  
MICHAEL L. CADY and his wife, LINDA M. CADY  
whose post office address is P.O. Box 1477, Lake City, Florida, 32056

hereinafter called the grantees:

(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 corporations)

**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 grantees all that certain land situated in Columbia County, State of Florida, viz:

SEE SCHEDULE "A" ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.

THE PROPERTY DESCRIBED IN SCHEDULE "A" HEREOF IS NOT THE HOMESTEAD OF THE GRANTOR HEREIN, WHO IN FACT RESIDES AT 1709 St. Andrews Road, Hollywood Florida 33021.

PK 0750 PG0743

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

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

**And the grantor hereby covenants with said grantees 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, and hereby 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, 19 90.**

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

Signed, sealed and delivered in the presence of:

*Martin Berman*

**MARTIN BERMAN**

*Angela Tortorella*

**ANGELA TORTORELLA**

Printed Signature

Signature

Signature

Printed Signature

Signature

Signature

Printed Signature

STATE OF FLORIDA

COUNTY OF **FLORIDA**

I HEREBY CERTIFY that on this day, before me, an officer duly authorized in the State aforesaid and in the County aforesaid to take acknowledgments, personally appeared

**ROBERT A. BERMAN**

who executed the foregoing instrument and he acknowledged before me that he executed the same.

WITNESS my hand and official seal in the County and State last aforesaid this 4th day of September, A.D. 1991.

SEAL

*Robert A. Berman*

**ROBERT A. BERMAN**

Printed Signature

1709 St. Andrews Road, Hollywood, Florida 33021

Post Office Address

Signature

Signature

Printed Signature

INTANGIBLE TAX

Post Office Address

**P. DEWITT CASON, CLERK OF**

**COURT, COLUMBIA COUNTY**

*R. Deppio*

to me known to be the person described in and

he executed the same.

4th day of September, A.D. 1991.

*Linda Baker*

**LINDA BAKER**

Printed Notary Signature

My Commission Expires:

NOTARY PUBLIC STATE OF FLORIDA  
MY COMMISSION EXP. MAR. 16, 1994  
BONDED THRU GENERAL INS. UND.

SCHEDULE "A"

PARCEL NO. 1

Commence at the Southeast corner of Section 36, Township 4 South, Range 16 East, Columbia County, Florida and run thence N 0°14'34" E along the East line of said Section 36, 37.54 feet, thence S 89°20'07" W, 328.56 feet to the POINT OF BEGINNING; thence continue S 89°20'07" W, 329.44 feet, thence N 0°08'06" W, 264.61 feet to the South line of Unit 4 of SOUTHWOOD ACRES, a subdivision according to plat thereof recorded in Plat Book 4, Page 7 of the Public Records of Columbia County, Florida, thence N 89°20'07" E along said South line, 329.44 feet, thence S 0°08'06" E, 264.61 feet to POINT OF BEGINNING. Said lands being subject to an easement for ingress and egress across a portion of the North 45 feet as recorded in Official Records Book 430, Page 671. Also the East 15 feet of said lands being subject to an easement for ingress and egress.

PARCEL NO. 2

Commence at the Southeast corner of Section 36, Township 4 South, Range 16 East, Columbia County, Florida and run thence N 0°14'34" E along the East line of said Section 36, 37.54 feet to the POINT OF BEGINNING, thence continue N 0°14'34" E along said East line, 264.63 feet to the Southeast corner of Lot 9, Unit 4, SOUTHWOOD ACRES, a subdivision according to plat thereof recorded in Plat Book 4, Page 7 of the Public Records of Columbia County, Florida, thence S 89°20'07" W along the South line of said Unit 4, SOUTHWOOD ACRES, 330.31 feet, thence S 0°08'06" E, 264.61 feet, thence N 89°20'07" E, 328.56 feet to the POINT OF BEGINNING. The North 45 feet of said lands being subject to an easement for ingress and egress as recorded in Official Records Book 430, Page 671. Also the West 15 feet of said lands being subject to an easement for ingress and egress.

TOGETHER WITH an easement for ingress and egress described as follows: BEGIN at the southeast corner of Lot 6, Unit 4, SOUTHWOOD ACRES, a subdivision according to plat thereof recorded in Plat Book 4, Page 7 of the Public Records of Columbia County, Florida and run thence S 0°08'06" E, 45 feet, thence N 89°20'07" E, 109.55 feet to the West line of the above described lands, thence N 0°08'06" W along said West line, 45 feet to the Northwest corner of said described lands, thence S 89°20'07" W along the South line of said Unit 4 of SOUTHWOOD ACRES, 109.55 feet to the POINT OF BEGINNING.

PARCEL NO. 3

BEGIN at the Southeast corner of Section 36, Township 4 South, Range 16 East, Columbia County, Florida and run thence N 0°14'34" E along the East line of said Section 36, 37.54 feet, thence S 89°20'07" W, 220.15 feet, thence S 0°08'06" E 396.34 feet, thence N 88°51'13" E, 221.14 feet to the East line of Section 1, Township 5 South, Range 16 East, thence N 0°19'47" W along said East line, 356.93 feet to the POINT OF BEGINNING. Said lands being a part of the SE¼ of SE¼ of Section 36, and the NE¼ of NE¼ of Section 1.



PK 0750 PG0745

OFFICIAL RECORDS



TOGETHER WITH an easement for ingress and egress described as follows: BEGIN at the Southeast corner of Lot 6, Unit 4, SOUTHWOOD ACRES, a subdivision according to a plat thereof recorded in Plat Book 4, Page 7 of the Public Records of Columbia County, Florida and run thence S 0°08'06" E, 45 feet, thence N 89°20'07" E, 94.55 feet, thence S 0°08'06" E, 249.61 feet, thence N 89°20'07" E, 123.41 feet to the West line of the above described lands, thence N 0°08'06" W along said West line, 30.00 feet to the Northwest corner of said described lands, thence S 89°20'07" W, 93.41 feet, thence N 0°08'06" W, 264.61 feet to the South line of said Unit 4, SOUTHWOOD ACRES, thence S 89°20'07" W along said South line, 124.55 feet to the POINT OF BEGINNING.

PARCEL NO. 4

Commence at the Southeast corner of Section 36, Township 4 South, Range 16 East, Columbia County, Florida and run thence N 0°14'34" E along the East line of said Section 36, 37.54 feet, thence S 89°20'07" W, 220.15 feet to the POINT OF BEGINNING, thence continue S 89°20'07" W, 219.43 feet, thence S 0°08'06" E, 398.19 feet, thence N 88°51'13" E, 219.46 feet, thence N 0°08'06" W, 396.34 feet to the POINT OF BEGINNING. Said lands being a part of the SE¼ of SE¼ of Section 36 and the NE¼ of NE¼ of Section 1, Township 5 South, Range 16 East. The North 30 feet of said lands being subject to an easement for ingress and egress.

TOGETHER WITH an easement for ingress and egress described as follows: BEGIN at the Southeast corner of Lot 6, Unit 4, SOUTHWOOD ACRES, a subdivision according to plat thereof recorded in Plat Book 4, Page 7 of the Public Records of Columbia County, Florida and run thence S 0°08'06" E, 45 feet, thence N 89°20'07" E, 94.55 feet, thence S 0°08'06" E, 219.61 feet to the North line of the above described lands, thence N 89°20'07" E along said North line, 30.00 feet, thence N 0°08'06" W, 264.61 feet to the South line of said Unit 4, SOUTHWOOD ACRES, thence S 89°20'07" W along said South line, 124.55 feet to the POINT OF BEGINNING.

PARCEL NO. 5

Commence at the Southeast corner of Section 36, Township 4 South, Range 16 East, Columbia County, Florida and run thence N 0°14'34" E along the East line of said Section 36, 37.54 feet, thence S 89°20'07" W, 439.58 feet to the POINT OF BEGINNING, thence continue S 89°20'07" W, 218.42 feet, thence S 0°08'06" E, 400.02 feet, thence N 88°51'13" E, 218.44 feet, thence N 0°08'06" W, 398.19 feet to the POINT OF BEGINNING. Said lands being a part of the SE¼ of SE¼ of Section 36 and the NE¼ of NE¼ of Section 1, Township 5 South, Range 16 East.

TOGETHER WITH an easement for ingress and egress described as follows: BEGIN at the Southeast corner of Lot 6, Unit 4, SOUTHWOOD ACRES, a subdivision according to plat thereof recorded in Plat Book 4, Page 7 of the Public Records of Columbia County, Florida and run thence S 0°08'06" E, 45 feet, thence N 89°20'07" E, 94.55 feet, thence S 0°08'06" E, 219.61 feet, thence S 89°20'07" W, 96.02 feet to the Northeast corner of the above described lands, thence S 0°08'06" E along the East line of said above described lands, 30.00 feet, thence N 89°20'07" E, 126.02 feet, thence N 0°08'06" W, 294.61 feet to the South line of said Unit 4, SOUTHWOOD ACRES, thence S 89°20'27" W along said South line, 124.55 feet to the POINT OF BEGINNING.

EX 0750 PG0744

OFFICIAL RECORDS



Phone (386) 755-3611  
Fax (386) 755-3885  
Toll free 1-800-616-4707

## Certificate of Compliance for Termite Protection

( as required by Florida Building Code (FBC) 1816.1.7 )

Aspen Pest Control, Inc.  
(386) 755-3611  
State License # - JB109476  
State Certification # - JF104376

Mike and Linda Cady (36-45-16-03322-009HX)

Address of Treatment or Lot/Block of Treatment

Soil Barrier

Method of Termite Prevention Treatment - Soil Barrier, Wood Treatment, Bait System, Other

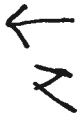
Horizontal, Vertical, Void and Exterior Treatment

Description of Treatment

The above named structure has received a complete treatment for the prevention of subterranean termites. Treatment was done in accordance with the rules and laws established by the Florida Department of Agriculture and Consumer Services.

Celia Dryden  
Authorized Signature

Site Plan  
Mike & Linda Cady  
36-45-16-03322-009



S.W.  
Sweetbriar Dr.

659'

2.72 acres

O well



45'

Drive

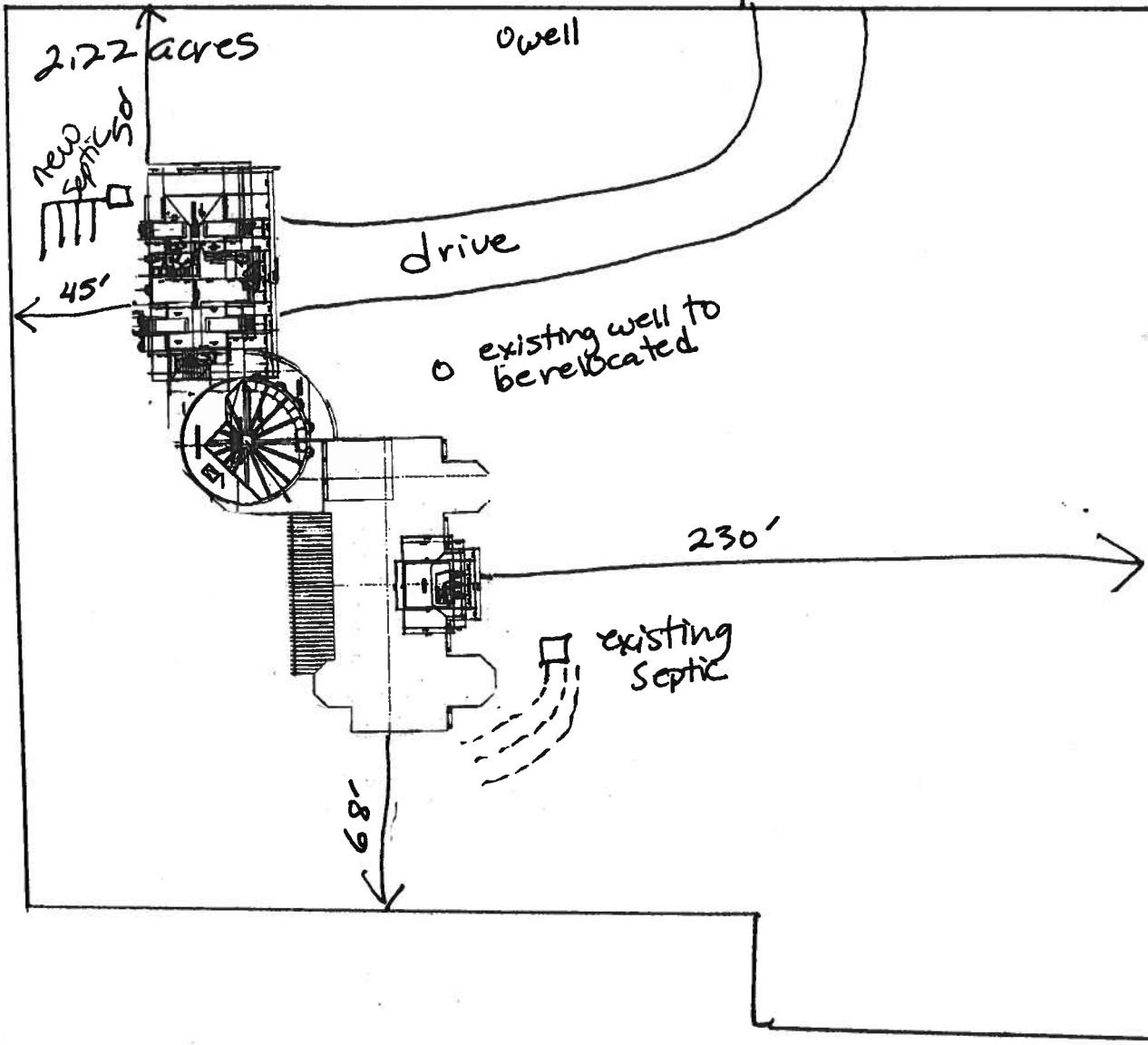
o existing well to be rehabilitated

230'

existing septic

68'

320





FROM :

FAX NO. :386-755-7022

Sep. 17 2002 01:52PM P1

# HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS



DONALD AND MARY HALL  
OWNERS

PHONE (904) 752-1854  
FAX (904) 755-7022  
~~XXXXXXXXXXXXXXXXXXXX~~  
LAKE CITY, FLORIDA 32055  
904 NW Main Blvd.

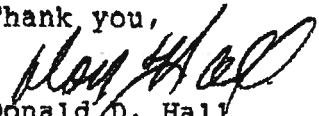
June 12, 2002

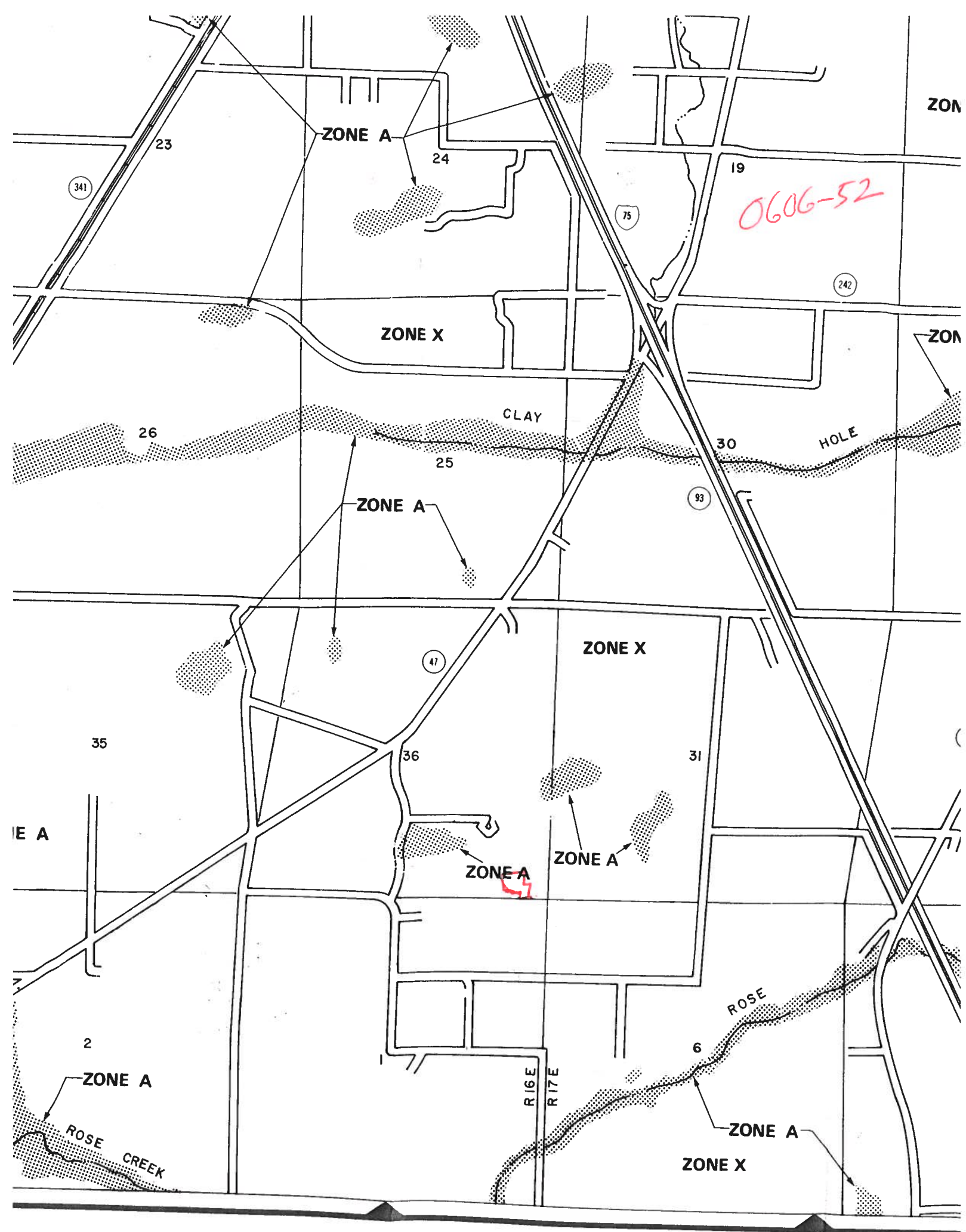
## NOTICE TO ALL CONTRACTORS

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

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

Thank you,

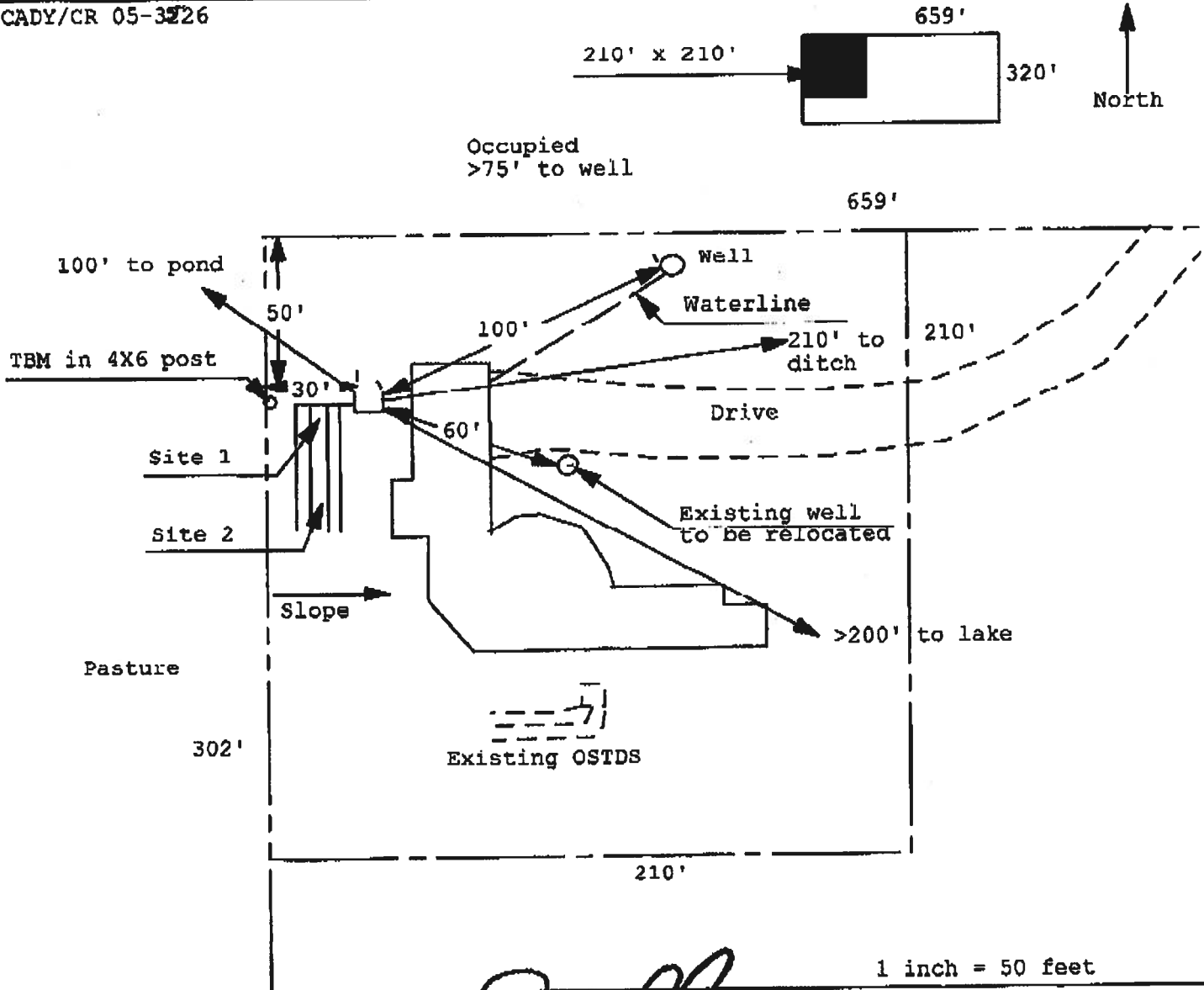
  
Donald D. Hall  
DDH/jk



**Application for Onsite Sewage Disposal System  
Construction Permit. Part II Site Plan**  
**Permit Application Number: 05-05100**

**ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT**

CADY/CR 05-3226



Site Plan Submitted By Paul L. L... Date 5/24/06  
 Plan Approved ☒ Not Approved ☐ Date 6-20-06  
 By S. Maddy, EPH CPHU  
**Columbia CHD**  
 Notes: \_\_\_\_\_





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

Reference to a building permit application Number: **0606-52**  
Contractor: Isaac Construction Owner Mike & Linda Cady

On the date of June 21, 2006 application 0606-52 and plans for construction of an addition and remodel single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

**Please include application number 0606-52 when making reference to this application.**

***This is a plan review for compliance with the Florida Residential Code 2004 only and doesn't make any consideration toward the land use and zoning requirements.***

**Please note that any structural designs (found within these plans) other than the windload engineer may not meet the requirements of the Florida Residential Code 2004 and the windload engineer should be consulted before using these designs.**

**To help ensure compliance with the Florida Residential Code and the Florida Existing Building Code 2004 the comments below need to be addressed on the plans.**

- 1.** Please submit a recorded (with the Columbia County Clerk Office) notice of commencement before any inspections can be performed by the Columbia County Building Department.
- 2.** Please provide a copy of a signed released site plan from the Columbia County Environmental Health Department which confirms approval of the addition onto the waste water disposal system.
- 3.** Please submit the required forms to show compliance with the FBC-2004 chapter 13 energy efficiency Sections 13-101.2.1 New construction: new residential construction shall comply with this code by using the following compliance methods: Subchapter 13-6, Residential buildings compliance methods. Single-family residential buildings and Multiple-family buildings of three stories or less shall comply with this chapter of the code. This subchapter contains three compliance methods:
  - Method A: Whole Building Performance Method
  - Method B: Component Prescriptive Method
  - Method C: Limited Applications Prescriptive Method
- 4.** Please have Mr. Disosway show compliance with the Chapter 9 of the Florida Existing Building Code , Additions section 901 general: Scope: An addition to a building or structure shall comply with the building, plumbing, electrical, and mechanical codes, without requiring the existing building or structure to comply with any requirements of those codes or of these provisions. Lateral-force-

resisting system. 903.3 The lateral-force-resisting system of existing buildings to which additions are made shall comply with Sections 903.3.1, 903.3.2, and 903.3.3.

Exceptions:

1. In Type V construction, Group R occupancies where the lateral-force story shears in any story is not increased by more than 10 percent.
2. Buildings of Group R occupancy with no more than five dwelling units or sleeping units used solely for residential purposes where the existing building and the addition comply with the conventional light-frame construction methods as defined in Chapter 2.
3. Additions where the lateral-force story shear in any story is not increased by more than 5 percent.

Horizontal addition: 903.3.2 Where horizontal additions are structurally connected to an existing structure, all lateral-force-resisting elements of the existing structure affected by such addition shall comply with the lateral load provisions of the Florida Building Code, Building. Lateral loads imposed on the elements of the existing structure and the addition shall be determined by a relative stiffness analysis of the combined structure including torsional effects.

**5.** Whenever an addition is made to a building or structure of a Group R-3 or R-4 occupancy, hardwired, interconnected smoke alarms meeting the requirements of the Florida Building Code, Building or the Florida Building Code, Residential shall be installed and maintained in the addition. 904.2:



Smoke alarms in existing portions of a building. Whenever an addition is made to a building or structure of Group R-3 or R-4 occupancy, the existing building shall be provided with smoke alarms as required by the Florida Building Code, Building or the Florida Building Code, Residential as applicable. The smoke alarms in the existing building are not required to be interconnected with smoke alarms in other portions of the base building.

**6.** The bonus room area show a future bedroom a minimum one window within the bedroom shall meet the requirements of the FRC-2004 sections R310.1.1 Minimum opening area. All emergency escape and rescue openings shall have a minimum net clear opening of 5.7 square feet (0.530 m<sup>2</sup>). With the minimum net clear opening height shall be 24 inches (610 mm) and a minimum net clear opening width shall be 20 inches (508 mm). Please verify that the 3050 window will meet the above requirements.

**7.** On page five of the plans section C-C details the stairwell; please expand this drawing to show compliance with the FRC-2004 section R311.5 Stairways. R311.5.1 Width. Stairways shall not be less than 36 inches (914 mm) in clear width at all points above the permitted handrail height and below the required headroom height. Handrails shall not project more than 4.5 inches (114 mm) on either side of the stairway and the minimum clear width of the stairway at and below the handrail height, including treads and landings, shall not be less than 31.5 inches (787 mm) where a handrail is installed on one side and 27 inches (698 mm) where handrails

are provided on both sides. R311.5.3 Stair treads and risers.R311.5.3.1

Riser height. The maximum riser height shall be 7¾ inches (196 mm). The riser shall be measured vertically between leading edges of the adjacent treads. The greatest riser height within any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm).

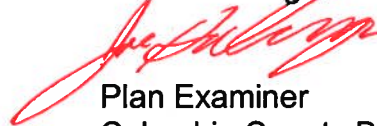
R311.5.3.2 Tread depth. The minimum tread depth, exclusive of nosing, shall be not less than 9 inches (229 mm). Treads and risers of stairs shall be permitted to be so proportioned that the sum of two risers and a tread, exclusive of projection of nosing, is not less than 24 inches (610 mm) nor more than 25 inches (635 mm). The tread depth shall be measured horizontally between the vertical planes of the foremost projection of adjacent treads and at a right angle to the tread's leading edge. The greatest tread depth within any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm). Winder treads shall have a minimum tread depth of 10 inches (254 mm) measured as above at a point 12 inches (305) mm from the side where the treads are narrower. Winder treads shall have a minimum tread depth of 6 inches (152 mm) at any point. Within any flight of stairs, the greatest winder tread depth at the 12 inch (305 mm) walk line shall not exceed the smallest by more than 3/8 inch (9.5 mm). *Include the total rise and run of each flight of stairs.*

- 8.** Please have Mr. Mark Disosway approve or amend the typical two story exterior wall section as shown on page eleven of the plans to show compliance with R301.2.1 of the Florida Residential Code. Also submit the

engineered drawing of the 16" engineered floor trusses along with a detail drawing of the method of attachment of these trusses to all load bearing walls and shear walls.

- 9.** Show a detail drawing of the balcony guard railing system to show compliance with R312.1 and TABLE R301.5 minimum uniformly distributed live loads of 200 (in pounds per square foot) Guardrails and handrails (A single concentrated load applied in any direction at any point along the top.) and the attachment of the guard railing to the balcony.
- 10.** On the electrical plans show all existing panels and subpanels include the current amperage rating of the electrical service. Perform an electrical service load calculation that will show the total amperage load after the addition and remodeling of the dwelling. Also show on the electrical plan show the location of any new the electrical panel and include the total amperage rating of the electrical service panel also show the overcurrent protection device which shall be installed on the exterior of structures to serve as a disconnecting means. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground.

Joe Haltiwanger



Plan Examiner  
Columbia County Building Department



0606-S2

**Mark Disosway, P.E.**

POB 868, Lake City, FL 32056, Ph (386) 754-5419, Fax (386) 269-4871

June 22, 2006

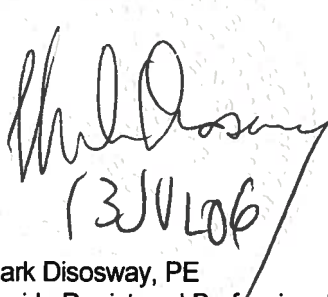
Building Dept Columbia Co  
35 N. Hernando St.  
POB 1529  
Lake City, FL 32056-1529

Re: Plans Review Issues: Cady, Mike & Linda Residence.

Dear Building Inspector:

This letter is in reference to plans review issues at the above referenced house.

- 4. *Show compliance with FEBC, Section 901.3.2.*
  - The completed project as shown on the plans meets the requirements of FEBC, Section 901.3.2.
  - The lateral load analysis for this project was done for the finished project including the portions of the existing house which are to remain and the addition when taken as one structure. This was indicated in the shear wall summary table along with a hand written signed and dated note stating the shearwall totals were for the existing and addition. Since the wood structural panel shearwall segments and roof diaphragm are approximately evenly distributed throughout the house torsion and relative stiffness are not an issue.
- 8. *Approve or amend 2 story wall section on page 11 to show compliance with R301.2.1.*
  - Structural information on S-1 thru S-4 controls unless there are more stringent requirements on the architectural sheets or in the building code. Please use the rod placement plan and details on S-3 and S-4 for 2 story hold down and uplift resistance.
  - Note: The floor truss plan and type of floor trusses to be used is not available at this time. Please have the truss engineer specify all bracing and blocking required for this specific house and furnish a copy to me for approval prior to ordering or installing the trusses.



Mark Disosway, PE  
Florida Registered Professional Engineer

Mark Disosway

Florida P.E. No.53915



---

## RESIDENTIAL DESIGNS BY KEVIN GRAY, INC.

---

June 27, 2006

The Columbia County Building &  
Zoning Department Plan Review  
Attn: Joe Haltiwanger  
135 NE Hernando Avenue  
P.O. Box 1529  
Lake City, Florida 32056- 1529

**RE: Mike & Linda Cady Application # 0606-52**

Mr. Haltiwanger,

The following notes reaffirm our telephone conversation on June 27, regarding our replies to your questions about the Cady architectural drawings.

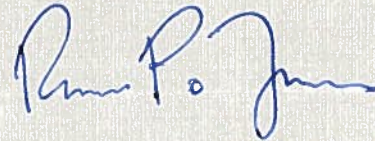
1. Your paragraph 3, regarding energy efficiency calculations for the HVAC equipment. It was agreed that the HVAC subcontractor should be responsible for these calculations.
2. Paragraph # 5, concerning smoke detectors. After reviewing the drawings, we added a new smoke detector in the kitchen. This was added and clouded as **Item 1** on the first floor electrical plan (A-12).
3. Paragraph 6, concerning egress windows in the second floor bonus room, exceeds code requirements. (2) 3'0" wide by 4'6" high operable casement windows offer egress, and shown as operable windows in the elevations (Sheet A-3) and sized on the second floor plan (Sheet A-7).
4. Paragraph 7 addresses the stairs to the second floor spaces over the garage. Sheets A-6 (First Floor Plan) shows both stair runs as 4'0" wide, and also calls out the tread and riser dimensions. The ceiling height in the stairwell is noted in the section on sheet A-5 as 9'-2 3/8" minimum. The handrails, shown on sheets A-6 and A-7, are 2'10" above the stair nosing, follow the full run of the stair, and do not encroach the minimum stair widths. Further, the section detail at the lower right of sheet A-7 shows the riser (7.40") and tread (10") of the stair, which is consistent for both runs.
5. Paragraph 9, regarding railing live loads and railing attachments to comply, are the purview of the structural engineer.
6. The last paragraph (10) addresses electrical panels. We have added a 400 amp panel in the garage as **Item 2**, clouded on sheet A-12 (First Floor Electrical Plan). Further, from information gained in our telephone conversation, we have added an exterior meter and



an adjacent E-stop emergency or exterior disconnect at the rear of the garage. This has been clouded as **Item 3** to sheet A-12.

It was a pleasure working with you and I hope the amended drawing and this letter answer the concerns that you raised. If we can be of any further assistance, please call me at (904) 384-3265.

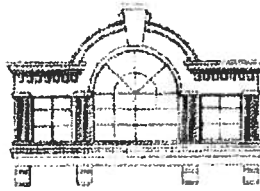
Sincerely,

A handwritten signature in blue ink, appearing to read "Robert P. Fowler". The signature is fluid and cursive, with a large initial "R" and a distinct "P" and "F".

Robert P. Fowler  
Designer



10751 Deerwood Park Boulevard • Suite 120  
Jacksonville, Florida 32256



(904) 384-3265 • FAX (904) 389-1250  
www.kevingray.com

## RESIDENTIAL DESIGNS BY KEVIN GRAY, INC.

June 27, 2006

The Columbia County Building &  
Zoning Department Plan Review  
Attn: Joe Haltiwanger  
135 NE Hernando Avenue  
P.O. Box 1529  
Lake City, Florida 32056-1529

**RE: Mike & Linda Cady Application # 0606-52**

Mr. Haltiwanger,

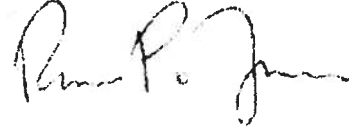
The following notes reaffirm our telephone conversation on June 27, regarding our replies to your questions about the Cady architectural drawings.

1. Your paragraph 3, regarding energy efficiency calculations for the HVAC equipment. It was agreed that the HVAC subcontractor should be responsible for these calculations.
2. Paragraph # 5, concerning smoke detectors. After reviewing the drawings, we added a new smoke detector in the kitchen. This was added and clouded as **Item 1** on the first floor electrical plan (A-12).
3. Paragraph 6, concerning egress windows in the second floor bonus room, exceeds code requirements. (2) 3'0" wide by 4'6" high operable casement windows offer egress, and shown as operable windows in the elevations (Sheet A-3) and sized on the second floor plan (Sheet A-7).
4. Paragraph 7 addresses the stairs to the second floor spaces over the garage. Sheets A-6 (First Floor Plan) shows both stair runs as 4'0" wide, and also calls out the tread and riser dimensions. The ceiling height in the stairwell is noted in the section on sheet A-5 as 9'-2 3/8" minimum. The handrails, shown on sheets A-6 and A-7, are 2'10" above the stair nosing, follow the full run of the stair, and do not encroach the minimum stair widths. Further, the section detail at the lower right of sheet A-7 shows the riser (7.40") and tread (10") of the stair, which is consistent for both runs.
5. Paragraph 9, regarding railing live loads and railing attachments to comply, are the purview of the structural engineer.
6. The last paragraph (10) addresses electrical panels. We have added a 400 amp panel in the garage as **Item 2**, clouded on sheet A-12 (First Floor Electrical Plan). Further, from information gained in our telephone conversation, we have added an exterior meter and

an adjacent E-stop emergency or exterior disconnect at the rear of the garage. This has been clouded as **Item 3** to sheet A-12.

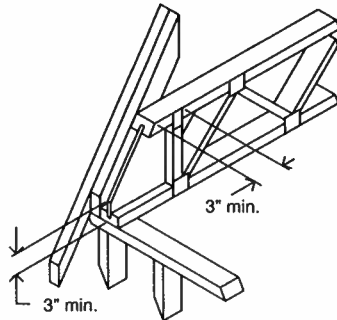
It was a pleasure working with you and I hope the amended drawing and this letter answer the concerns that you raised. If we can be of any further assistance, please call me at (904) 384-3265.

Sincerely,

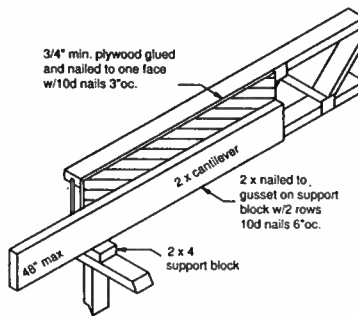
A handwritten signature in black ink, appearing to read "Robert P. Fowler". The signature is fluid and cursive, with the first name "Robert" and last name "Fowler" clearly distinguishable.

Robert P. Fowler  
Designer

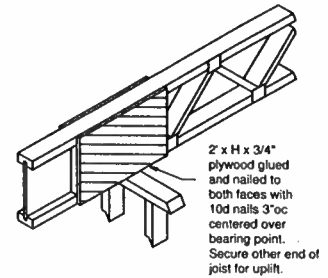
# Installation Details Available in CAD format at [trimjoist.com](http://trimjoist.com) and [sweets.com](http://sweets.com)



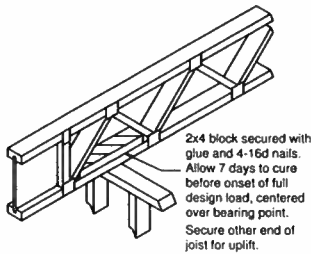
D1 RAFTER/FIRE CUT



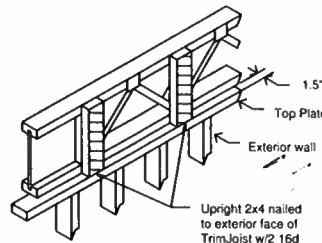
D2 DECK CANTILEVER



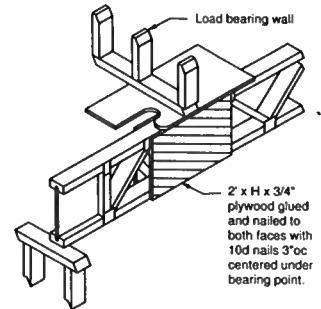
D3 CANTILEVER



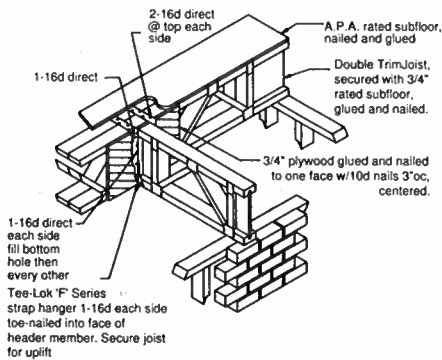
D4 CANTILEVER



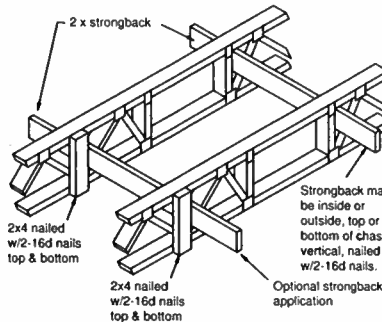
D5 EXTERIOR KNEE WALL



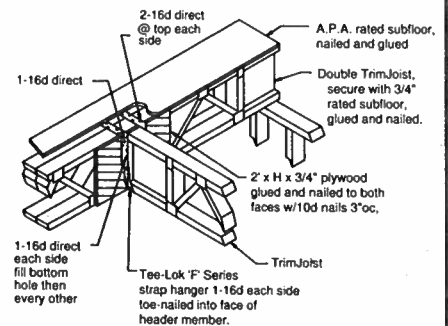
D6 POINT LOAD APPLICATION



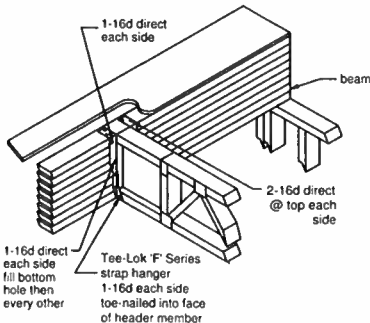
D7 HANGERED CANTILEVER



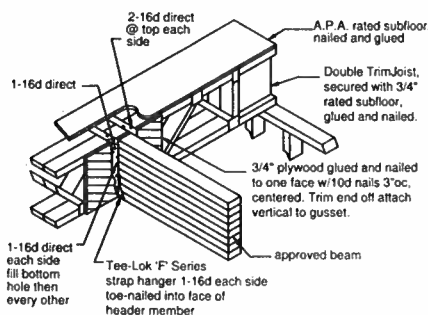
D8 STRONGBACK APPLICATION



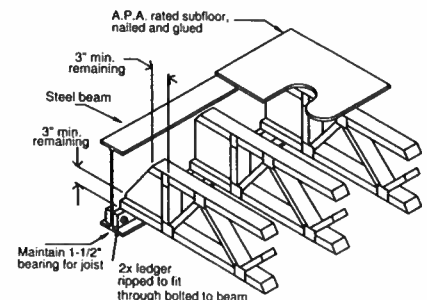
D9 HANGERED/ JOIST TO JOIST



D10 HANGERED/ JOIST TO BEAM



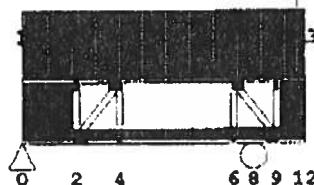
D11 HANGERED/ BEAM TO JOIST



D12 FLUSH TO STEEL BEAM



Stock	Project	Anderson Truss/Issac Construction/Kady/f-6	Qty	By	Run Time
J1606	Description		3	JCW	2006-04-10 16:04:21



TrimJoist Project Design System 5.0

Build 2005.4.18.109

#### Joint Data

Span: 5'6"  
 Trim(L): 0.0000  
 Trim(R): 6.0000  
 Depth: 16.00  
 Spacing: 12.00

#### Max. Plate Ratios

Chord Embedment : 0.23 @ 2  
 Web Embedment : 0.36 @ 3 (2-5)  
 Shear : 0.09 @ 2  
 Tension : 0.18 @ 2

#### Supports

Roller: 14'6" from left on bottom chord)  
 Pin: 10' from left on bottom chord)

#### Glue Shear Ratios

Left End : 0.02  
 Right End : n/a

#### Loads

Standard Loads (Entire Span)  
 Live: 40 psf top, 0 bottom. Dead: 10 psf top, 5 bottom.  
 Concentrated 15'4" from left on top!  
 Live: 248 Dead: 183 lbs/ft

#### Total Pass Design Considerations

- Project: Anderson Truss/Issac Construction/Kady/f-6
- Description:
- Product application conforms to NDS 2001
- Product application conforms to IBC 2003 for residential construction
- Product application conforms to ANSI/TPI 1-2002 (Truss Plate Institute)
- Cantilever(s) have been considered
- Concentrated Load(s) have been considered
- ANSI/TPI 1-2002 Repetitive Member Factor Applied (Fb): 1.15
- ANSI/TPI 1-2002 Repetitive Member Factor Applied (Ft): 1.1
- ANSI/TPI 1-2002 Repetitive Member Factor Applied (Fc): 1.1

#### Reactions

Total  
 0.00": Y: 37.82  
 54.00": Y: 695.68  
 Live  
 0.00": Y: 39.63  
 54.00": Y: 428.57  
 Dead  
 0.00": Y: -1.81  
 54.00": Y: 267.31

#### Dead Pass Design Considerations

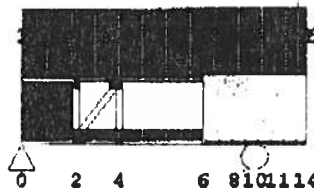
- WARNING: Uplift At Exterior Support.

#### Max. Axial Forces, CSIs & Deflections

Def Dead: 0.02 (L/3354) mbr(2-5), 23"  
 Def Live: 0.63 (L/1953) mbr(2-5), 23"  
 Def Total: 0.65 (L/1234) mbr(2-5), 23"  
 P Top: 243.72 (CSI=0.41) mbr(7-10), 49.25"  
 P Bottom: -186.01 (CSI=0.51) mbr(8-9), 54.00"  
 P Webs: -427.58 (CSI=0.34) mbr(9-10), 59.25"

This design is for an individual component only and is based upon information supplied to TrimJoist Corporation and the truss design professional by others. This information has not been independently verified. TrimJoist Corporation and the truss design professional expressly disclaims any responsibility for damages as the result of faulty, incorrect, or incomplete specifications, loadings or designs supplied by others. The loads shown herein, and other design assumptions, must be verified by the owner or his agent. Trusses are to be handled and erected in accordance with NCSI 1-83. Contractor must prevent excessive loads during construction. All temporary and permanent bracing that may be required must be supplied by others with the exception of the "strongback" requirement referenced in TrimJoist Corporation literature. All chord material is 4x2 #1 Grade SP, or better. All web material is 4x2 #3 Grade SP, or better. Any design considerations marked "U:" were inserted by the user of the TrimJoist Project Design System, or their agent, and not by TrimJoist Corporation or the truss design professional. Any seal, impression, or stamp affixed hereto by any engineer or architect indicates that this design was made under the oversight of said engineer or architect.

Stock	Project	Anderson Truss/Issac Construction/Kady/f-6	Qty	By	Run Time
J1606	Description		3	JCW	2006-04-10 16:06:07



TrimJoist Project Design System 5.0

Build 2005.4.18.109

**Joist Data**

Span: 5'6"  
 Trim(L): 0.0000  
 Trim(R): 6.0000  
 Depth: 16.00  
 Spacing: 19.20

**Supports**

Roller (4'6" from left on bottom chord)  
 Pin (0" from left on bottom chord)

**Loads**

Standard Loads (Entire Span)  
 Live: 40 psf top, 0 bottom. Dead: 10 psf top, 5 bottom.  
 Concentrated (5'4" from left on top)  
 Live: 243 Dead: 183 lbs/ft

**Reactions**

**Total**  
 0.00": Y: 60.52  
 54.00": Y: 1113.08  
**Live**  
 0.00": Y: 63.41  
 54.00": Y: 665.59  
**Dead**  
 0.00": Y: -2.89  
 54.00": Y: 427.69

**Max. Axial Forces, CSIs & Deflections**

Def Dead: 0.03 (L/2516) mbr[2-5], 23"  
 Def Live: 0.04 (L/1493) mbr[2-5], 23"  
 Def Total: 0.07 (L/943) mbr[2-5], 23"  
 F Top: 396.12 (CSI=0.49) mbr[9-12], 49.25"  
 F Bottom: -301.47 (CSI=0.50) mbr[10-11], 54.00"  
 F Webs: -670.09 (CSI=0.39) mbr[11-12], 59.25"

**Max. Plate Ratios**

Chord Embedment: 0.33 @ 2  
 Web Embedment: 0.53 @ 5 [2-5]  
 Shear: 0.13 @ 2  
 Tension: 0.26 @ 2

**Glue Shear Ratios**

Left End: 0.03  
 Right End: n/a

**Total Pass Design Considerations**

- Project: Anderson Truss/Issac Construction/Kady/f-6
- Description:
- Product application conforms to NDS 2001
- Product application conforms to IRC 2003 for residential construction
- Product application conforms to ANSI/TPI 1-2002 (Truss Plate Institute)
- APPLY 3/4 INCH PLYWOOD TO BOTH FACES AS SHOWN IN DRAWING. SECURE WITH 10d NAILS AT 3 INCH CENTERS INTO WEBS AND CHORDS
- Plywood gusset applied 3'6" to 5'6" from left
- Cantilever(s) have been considered
- Concentrated Load(s) have been considered
- ANSI/TPI 1-2002 Repetitive Member Factor Applied (Fb): 1.15
- ANSI/TPI 1-2002 Repetitive Member Factor Applied (Ft): 1.1
- ANSI/TPI 1-2002 Repetitive Member Factor Applied (Fc): 1.1

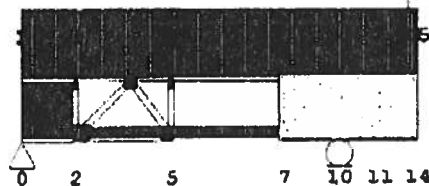
**Dead Pass Design Considerations**

- WARNING: Uplift At Exterior Support.

This design is for an individual component only and is based upon information supplied to TrimJoist Corporation and the truss design professional by others. This information has not been independently verified. TrimJoist Corporation and the truss design professional expressly disclaim any responsibility for damages as the result of faulty, incorrect, or incomplete specifications, loadings or designs supplied by others. The loads shown herein, and other design assumptions, must be verified by the owner or his agent. Trusses are to be handled and erected in accordance with BCSI 1-03. Contractor must prevent excessive loads during construction. All temporary and permanent bracing that may be required must be supplied by others with the exception of the "strongback" requirement referenced in TrimJoist Corporation literature. All chord material is 4x2 #1 Grade SP, or better. All web material is 4x2 #3 Grade SP, or better. Any design considerations marked "U:" were inserted by the user of the TrimJoist Project Design System, or their agent, and not by TrimJoist Corporation or the truss design professional. Any seal, impression, or stamp affixed hereto by any engineer or architect indicates that this design was made under the oversight of said engineer or architect.

Track Project **Anderson Truss/Issac Construction/Kady/f-8**  
**J1608** Description

Qty By Run Time  
**3 JCW2006-04-10 16:10:09**



TrimJoist Project Design System 5.0

Build 2005.4.18.109

**Joist Data**

Span: 7'6"  
 Truss (L): 0  
 Truss (R): 4.0000  
 Depth: 16.00  
 Spacing: 16.00

**Supports**

Roller (6'2" from left on bottom chord)  
 Pin (0 from left on bottom chord)

**Loads**

Standard Loads (Entire Span)  
 Live: 40 psf top, 0 bottom. Dead: 10 psf top, 5 bottom.  
 concentrated (7'6" from left on top)  
 Live: 2/5 Dead: 201 lbs/ft

**Reactions**

Total  
 0.00": Y: 75.51  
 74.00": Y: 1121.36  
 Live  
 0.00": Y: 75.44  
 74.00": Y: 700.12  
 Dead  
 0.00": Y: 0.07  
 74.00": Y: 421.25

**Max. Axial Forces, CSIs & Deflections**

Def Dead: 0.05 (L/1925) mbr[15-15], 92"  
 Def Live: 0.08 (L/1129) mbr[2-5], 34"  
 Def Total: 0.13 (L/716) mbr[2-5], 34"

P Top: 572.01 (CSI=0.82) mbr[6-8], 61.25"  
 P Bottom: -500.42 (CSI=0.89) mbr[10-11], 83.25"  
 P Webs: -1113.68 (CSI=0.78) mbr[11-12], 83.25"

**Max. Plate Ratios**

Chord Embedment : 0.37 @ 5  
 Web Embedment : 0.65 @ 4 (4-5)  
 Shear : 0.16 @ 4  
 Tension : 0.29 @ 5

**Glue Shear Ratios**

Left End : 0.03  
 Right End : n/a

**Design Considerations**

- Project: Anderson Truss/Issac Construction/Kady/f-8
- Description:
- Product application conforms to HUD 2001
- Product application conforms to IRC 2003 for residential construction
- Product application conforms to ANSI/TPI 1-2002 (Truss Plate Institute)
- APPLY 3/4 INCH PLYWOOD TO BOTH FACES AS SHOWN IN DRAWING. SECURE WITH 10d NAILS AT 3 INCH CENTERS INTO WEBS AND CHORDS
- Plywood gusset applied 5' to 7'8" from left
- Cantilever(s) have been considered
- Concentrated Load(s) have been considered
- ANSI/TPI 1-2002 Repetitive Member Factor Applied (Fb): 1.15
- ANSI/TPI 1-2002 Repetitive Member Factor Applied (Ft): 1.1
- ANSI/TPI 1-2002 Repetitive Member Factor Applied (Fc): 1.1

This design is for an individual component only and is based upon information supplied to TrimJoist Corporation and the truss design professional by others. This information has not been independently verified. TrimJoist Corporation and the truss design professional expressly disclaim any responsibility for damages as the result of faulty, incorrect, or incomplete specifications, loadings or designs supplied by others. The loads shown herein, and other design assumptions, must be verified by the owner or his agent. Trusses are to be handled and erected in accordance with BCSI 1-03. Contractor must prevent excessive loads during construction. All temporary and permanent bracing that may be required must be supplied by others with the exception of the "strongback" requirement referenced in TrimJoist Corporation literature. All chord material is 4x2 #1 Grade SP, or better. All web material is 4x2 #3 Grade SP, or better. Any design considerations marked "U" were inserted by the user of the TrimJoist Project Design System, or their agent, and not by TrimJoist Corporation or the truss design professional. Any seal, impression, or stamp affixed herein by any engineer or architect indicates that this design was made under the oversight of said engineer or architect.

*Gary Door*

http://www.floridabuilding.org/pr\_app\_dtl.aspx?param=wGEVXQwtdqsdnu0hv%2b...

# FLORIDA DEPARTMENT OF Community Affairs



[BCIS Home](#) | [Log In](#) | [Hot Topics](#) | [Submit Surcharge](#) | [Stats & Facts](#) | [Publications](#) | [FBC Staff](#) | [BCIS Site Map](#) | [Links](#) | [Search](#)



**Product Approval**  
USER: Public User

[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > [Application Detail](#)

- COMMUNITY PLANNING
- HOUSING & COMMUNITY DEVELOPMENT
- EMERGENCY MANAGEMENT
- OFFICE OF THE SECRETARY

FL #	FL742-R1
Application Type	Revision
Code Version	2004
Application Status	Approved
Comments	
Archived	<input type="checkbox"/>
Product Manufacturer	Overhead Door Corporation
Address/Phone/Email	1900 Crown Drive Farmers Branch, TX 75007 (972) 969-6859 chuck_blume@overheaddoor.com
Authorized Signature	Chuck Blume chuck_blume@overheaddoor.com
Technical Representative	Leroy Krupke
Address/Phone/Email	1900 Crown Drive Farmers Branch, TX 75007 (972) 830-8634 leroy_krupke@overheaddoor.com

**Quality Assurance Representative  
Address/Phone/Email**

**Bill Byrd**  
1900 Crown Drive  
Farmers Branch, TX 75007  
(972) 969-6868  
bill\_byrd@overheaddoor.com

**Category  
Subcategory**

**Exterior Doors  
Roll-Up Exterior Door Assemblies**

**Compliance Method**

Evaluation Report from a Florida Registered Architect or a Licensed  
Florida Professional Engineer  
☒ Evaluation Report - Hardcopy Received

**Florida Engineer or Architect Name who  
developed the Evaluation Report  
Florida License  
Quality Assurance Entity  
Validated By**

**John E. Scates, PE**  
**PE-51737**  
**PFS Corporation**  
**Andy Hlavaty**

**Certificate of Independence**

**Referenced Standard and Year (of  
Standard)**

**Standard**  
**ANSI/DASMA 108**  
**ASTM E-330**

**Year**  
**2002**  
**2002**

**Equivalence of Product Standards  
Certified By**

**Sections from the Code**

**1714.5.3.1**  
**1714.5.3.1**



**Product Approval Method**

Method 1 Option D

Date Submitted

07/22/2005

Date Validated

08/02/2005

Date Pending FBC Approval

08/08/2005

Date Approved

08/24/2005

**Summary of Products**

Go to Page

FL #	Model, Number or Name	Description
742.1	Series 600, Coil-Away	Drawing 308114 Rev C
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other: 20/30 psf thru 41/61.5 psf,</b> <b>not for use in HVHZ</b>		
<b>Installation Instructions</b> <b>Verified By:</b> <b>Evaluation Reports</b> PTID 742 R1 T 205983 0005 INSTALLATION INSTRUCTION, COLLAWAY, SERIES 600 FACE MOUNTED.pdf PTID 742 R1 T 300922 0005 Rolling Service Door 610.620.625.pdf PTID 742 R1 T 308114C SERIES 600, COLLAWAY, 20.30 PSF THRU 41.61.5 PSF.pdf PTID 742 R1 T ATT01-41331.06.pdf PTID 742 R1 T ATT01-41331.07.pdf PTID 742 R1 T ATT01-41331.08.pdf PTID 742 R1 T ATT01-41331.09.pdf PTID 742 R1 T ATT01-41331.10.pdf PTID 742 R1 T ATT01-43483.02.pdf PTID 742 R1 T Cert of Independence Scales 2005 w sig.pdf PTID 742 R1 T collaway.pdf PTID 742 R1 T Eval Rept 610 620 625.pdf PTID 742 R1 T Eval Rept Series 600 Rev3 w sig.pdf PTID 742 R1 T WINDLOAD DRAWINGS, SERIES 625 FIP.pdf		



		<a href="#">PTID 742 R1 T WINDLOAD DRAWINGS, SERIES 610, C187.pdf</a> <a href="#">PTID 742 R1 T WINDLOAD DRAWINGS, SERIES 610, C275.pdf</a> <a href="#">PTID 742 R1 T WINDLOAD DRAWINGS, SERIES 610, 620, F265.pdf</a>	
742.2	Series 610, C187	Drawing 308083 Rev F	<b>Installation Instructions</b> Verified By: <b>Evaluation Reports</b>
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other: 31 psf design, 46.5 psf test, Max door width 20', Max door height 30', not for use in HVHZ</b>			
742.3	Series 610, C187	Drawing 308084 Rev F	<b>Installation Instructions</b> Verified By: <b>Evaluation Reports</b>
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other: 36 psf design, 54 psf test, Max door width 20', Max door height 30', not for use in HVHZ</b>			
742.4	Series 610, C187	Drawing 308085 Rev F	<b>Installation Instructions</b> Verified By: <b>Evaluation Reports</b>
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other: 41 psf design, 61.5 psf test, Max door width 20', Max door height 30', not for use in HVHZ</b>			
742.5	Series 610, C187	Drawing 308086 Rev F	

<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other: 50 psf design, 75 psf test, Max door width 20', Max door height 30', not for use in HVHZ</b>		<b>Installation Instructions</b> <b>Verified By:</b> <b>Evaluation Reports</b>
742.6	Series 610, C187	Drawing 308082 Rev F
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other: 26 psf design, 39 psf test, Max door width 20', Max door height 30', not for use in HVHZ</b>		<b>Installation Instructions</b> <b>Verified By:</b> <b>Evaluation Reports</b>
742.7	Series 610, C275	Drawing 308087 Rev F
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other: 26 psf design, 39 psf test, Max door width 40', Max door height 30', not for use in HVHZ</b>		<b>Installation Instructions</b> <b>Verified By:</b> <b>Evaluation Reports</b>
742.8	Series 610, C275	Drawing 308088 Rev F
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other: 31 psf design, 46.5 psf test, Max door width 40', Max door height 30', not for use in HVHZ</b>		<b>Installation Instructions</b> <b>Verified By:</b> <b>Evaluation Reports</b>

742.9	Series 610, C275	Drawing 308089 Rev F
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other: 36 psf design, 54 psf test, Max door width 40', Max door height 30', not for use in HVHZ</b>		<b>Installation Instructions</b> <b>Verified By:</b> <b>Evaluation Reports</b>
742.10	Series 610, C275	Drawing 308090 Rev F
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other: 41 psf design, 61.5 psf test, Max door width 40', Max door height 30', not for use in HVHZ</b>		<b>Installation Instructions</b> <b>Verified By:</b> <b>Evaluation Reports</b>
742.11	Series 610, C275	Drawing 308091 Rev F
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other: 50 psf design, 75 psf test, Max door width 35', Max door height 30', not for use in HVHZ</b>		<b>Installation Instructions</b> <b>Verified By:</b> <b>Evaluation Reports</b>
742.12	Series 610/620, F265	Drawing 308092 Rev G
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b>		<b>Installation Instructions</b> <b>Verified By:</b> <b>Evaluation Reports</b>



<b>Other:</b> 26 psf design, 39 psf test, Max door width 40', Max door height 30', not for use in HVHZ		
<b>742.13</b>	<b>Series 610/620, F265</b>	<b>Drawing 308093 Rev G</b>
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other:</b> 31 psf design, 46.5 psf test, Max door width 40', Max door height 30', not for use in HVHZ		<b>Installation Instructions</b> <b>Verified By:</b> <b>Evaluation Reports</b>
<b>742.14</b>	<b>Series 610/620, F265</b>	<b>Drawing 308094 Rev G</b>
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other:</b> 36 psf design, 54 psf test, Max door width 40', Max door height 30', not for use in HVHZ		<b>Installation Instructions</b> <b>Verified By:</b> <b>Evaluation Reports</b>
<b>742.15</b>	<b>Series 610/620, F265</b>	<b>Drawing 308095 Rev G</b>
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other:</b> 41 psf design, 61.5 psf test, Max door width 40', Max door height 30', not for use in HVHZ		<b>Installation Instructions</b> <b>Verified By:</b> <b>Evaluation Reports</b>
<b>742.16</b>	<b>Series 610/620, F265</b>	<b>Drawing 308096 Rev G</b>

<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other: 50 psf design, 75 psf test, Max door width 35', Max door height 30', not for use in HVHZ</b>		<b>Installation Instructions</b> <b>Verified By:</b> <b>Evaluation Reports</b>
742.17	Series 625, FIP	Drawing 308097 Rev F
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other: 26 psf design, 39 psf test, Max door width 40', Max door height 30', not for use in HVHZ</b>		<b>Installation Instructions</b> <b>Verified By:</b> <b>Evaluation Reports</b>
742.18	Series 625, FIP	Drawing 308098 Rev F
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other: 31 psf design, 46.5 psf test, Max door width 40', Max door height 30', not for use in HVHZ</b>		<b>Installation Instructions</b> <b>Verified By:</b> <b>Evaluation Reports</b>
742.19	Series 625, FIP	Drawing 308099 Rev F
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other: 36 psf design, 54 psf test, Max door width 40', Max door height 30', not for use in HVHZ</b>		<b>Installation Instructions</b> <b>Verified By:</b> <b>Evaluation Reports</b>

742.20	Series 625, FIP	Drawing 308100 Rev F
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other: 41 psf design, 61.5 psf test, Max door width 40', Max door height 30', not for use in HVHZ</b>		<b>Installation Instructions</b> <b>Verified By:</b> <b>Evaluation Reports</b>

Go to Page

Back

Next

Page 1 / 2

DCA Administration

**Department of Community Affairs**  
**Florida Building Code Online**  
**Codes and Standards**  
 2555 Shumard Oak Boulevard  
 Tallahassee, Florida 32399-2100  
 (850) 487-1824, Suncom 277-1824, Fax (850) 414-8436  
 © 2000-2005 The State of Florida. All rights reserved. Copyright and Disclaimer  
**Product Approval Accepts:**









Category  
Subcategory

Windows  
Fixed

Compliance Method

Certification Mark or Listing

Certification Agency

Window and Door Manufacturers Association

Referenced Standard and Year (of Standard)

<u>Standard</u>	<u>Year</u>
101/I.S.2-97	1997
101/I.S.2/NAFS	2002
ASTM E 1996	2002

Equivalence of Product Standards  
Certified By

Product Approval Method

Method 1 Option A

Date Submitted	11/02/2005
Date Validated	11/14/2005
Date Pending FBC Approval	11/17/2005
Date Approved	12/06/2005

**Summary of Products**

FL #	Model, Number or Name	Description
1092.1	200 Series Picture Window - Non Impact	Vinyl Clad Wood Picture Window

<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other: Hallmark Certificate: 129-H-734.00 Rating is F-LC40 60" x 66" Unit tested was a FX 5056</b>		<b>Certification Agency Certificate</b> <b>Installation Instructions</b> <u>PTID 1092 R1 I 200 Series Picture Window.pdf</u> <u>PTID 1092 R1 I 400 PSCA Picture.pdf</u> <u>PTID 1092 R1 I 400 Series CTN HPIR.pdf</u> <u>PTID 1092 R1 I 400 Series Flexi HPIR.pdf</u> <u>PTID 1092 R1 I 400 Series PSCA Picture HPIR.pdf</u> <u>PTID 1092 R1 I 400 Series Springline HPIR.pdf</u> <u>PTID 1092 R1 I 400 Series Woodwright Picture.pdf</u> <u>PTID 1092 R1 I 400 Tilt Wash Picture with HPIR.pdf</u> <u>PTID 1092 R1 I 400 Woodwright Transom.pdf</u> <b>Verified By:</b>	
1092.2	400 Series Casement Picture Window - Non Impact	Vinyl Clad Wood Fixed Window	<b>Certification Agency Certificate</b> <b>Installation Instructions</b> <b>Verified By:</b>
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other: Hallmark Certificate: 129-H-611.00 Rating is F-C60 60" x 72" Unit tested was a P5060 with HP Glass</b>			
1092.3	400 Series Casement Picture Window - Impact Resistant	Vinyl Clad Wood Fixed Window	<b>Certification Agency Certificate</b> <b>Installation Instructions</b> <b>Verified By:</b>
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other: Hallmark Certificate: 129-H-632.00 Rating</b>			

is F-C50 60" x 72" Unit tested was a P 5060 with HPIR Glass Hallmark Certificate: 129-H-632.02 Rating is Missile Level D, Cycle Pressure +50/-65 Unit Tested was a P5060 with HPIR Glass		
1092.4	400 Series Tilt Wash Double Hung - Picture Window - Impact Resistant	Vinyl Clad Wood Fixed Window
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other:</b> Hallmark Rating 129-H-648.00 Rating is Missile Level D, Cycle Pressure +50/-65 Unit Tested was a DHP5662 with HPIR Glass Hallmark Certificate: 129-H-653.00 Rating is F-C50 68" x 77" Unit tested was a DHP5662 with HPIR Glass		
1092.5	400 Series Tilt Wash Transom Window - Impact Resistant	Vinyl Clad Wood Fixed Window
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other:</b> Hallmark Certificate: 129-H-649.00 Rating is Missile Level D, Cycle Pressure +50/-65 Unit tested was a TWT3831 with HPIR Glass Hallmark Certificate: 129H-680.02 Rating is F-R50 46" x 40" Unit tested was a TWT 3831 with HPIR Glass		
1092.6	400 Series Woodwright Double Hung - Picture Window	Vinyl clad wood fixed window

<div>- Non Impact</div>		<div>Certification Agency Certificate Installation Instructions Verified By:</div>
<div>Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Hallmark Certificate: 129-H-627.00 Rating is F-C65 1710mm x 1952mm Unit tested was a WPW5662 with HP Glass Hallmark Certificate: 129-H-667.00 Rating is TR LC65 1929mm x 1219mm Unit tested was a WTR7648 with HP Glass</div>		
<div>1092.7</div>	<div>400 Specialty Windows - Impact Resistant</div>	<div>Fiberglass Clad Wood Fixed Window</div>
<div>Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Hallmark Certificate: 129-H-622.00 Rating is Missile Level D, Cycle Pressure +50/-65, Size is 96" x 21" Unit Tested was ET8 with HPIR Glass Hallmark Certificate: 129-H-624.00 Rating is: F-C50 124" x 64" Unit Tested was a Flexiframe 10050 with HPIR Glass Hallmark Certificate: 129-H-624.02 Rating is Missile Level D, Cycle Pressure +50/-65, Size is 124" x 64" Unit tested was a Flexiframe 10050 with HPIR Glass Hallmark Certificate: 129-H-657.00 Rating is F-C50 107" x 74" Unit tested was a Flexiframe 10673 with HPIR Glass Hallmark Certificate: 129-H-659.00 Rating is Missile Level D, Cycle Pressure +50/-65, Size 107" x 74" Unit tested was a Flexiframe 10673 with HPIR Glass Hallmark Certificate: 129-H-623.00 Rating is F-R50 96" x 72" Unit tested was a SP802 with HPIR Glass Hallmark Certificate: 129-H-623.02 Rating is Missile</div>		<div>Certification Agency Certificate Installation Instructions Verified By:</div>

Level D, Cycle Pressure +50/-65, Size is 96" x 72"  
Unit test was a SP802 with HPIR Glass Hallmark  
Certificate: 129-H-621.00 Rating is Missile Level D,  
Cycle Pressure +50/-65, Size is 72" x 39" Unit  
tested was a CTC3 with HPIR Glass Hallmark  
Certificate: 129-H-664.00 Rating is Missile Level D,  
Cycle Pressure +50/-65, Size is 76" x 40" Unit test  
was a CTN30-2 with HPIR Glass

[Back](#)

[Next](#)

DCA Administration

**Department of Community Affairs  
Florida Building Code Online  
Codes and Standards**

2555 Shumard Oak Boulevard  
Tallahassee, Florida 32399-2100  
(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

© 2000-2005 The State of Florida. All rights reserved. Copyright and Disclaimer  
**Product Approval Accepts:**



**Product Approval**  
**USER: Public User**

**Product Approval Menu > Product or Application Search > Application List > **Application Detail****

**FL1086-R1**

## Revision

2004

**Approved**

**Andersen Corporation**  
100 Fourth Avenue North  
Bayport, MN 55003  
(651) 264-5308  
abarstad@andersencorp.com

**Alan Barstad**  
**abarstad@andersencorp.com**

Category  
Subcategory

Windows  
Casement

Compliance Method

Certification Mark or Listing

Certification Agency

Window and Door Manufacturers Association

Referenced Standard and Year (of Standard)

<u>Standard</u>	<u>Year</u>
101/I.S.2	1997
101/I.S.2/A440	2005
ASTM E 1996	2002

Equivalence of Product Standards  
Certified By

Product Approval Method

Method 1 Option A

Date Submitted	11/02/2005
Date Validated	11/02/2005
Date Pending FBC Approval	11/09/2005
Date Approved	12/06/2005

**Summary of Products**

FL #	Model, Number or Name	Description
1086.1	200/400 Series Casement Window - Doubles - Impact	Vinyl Clad Casement Wood Window



Resistant		Certification Agency Certificate Installation Instructions <u>PTID 1086 R1 I PSC-A Installation Impact.pdf</u> <u>PTID 1086 R1 I PSC-A Installation Non</u> <u>Impact.pdf</u> Verified By:
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other:</b> Hallmark Certificate 129-H-636.00 Rating is C-C45 72" x 60" Unit Tested was a CXW25 with HP Glass Hallmark Certificate 129-H-674.01 Rating is C-C50 72" x 53" Unit Tested was a CXW245 with HP Glass Hallmark Certificate 129-H-685.00 Rating is C-C50 57" x 72" Unit Tested was a CW26 with HP Glass Hallmark Certificate 129-H-730.01 Rating is C-R50 1594mm x 1520mm Unit Tested was a CX25 with HP Glass		
1086.2	200/400 Series Casement Window - Doubles - Non Impact	Vinyl Clad Casement Wood Window
1086.3	200/400 Series Casement Window - Singles - Impact Resistant	Vinyl Clad Outswing Casement Window

<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other:</b> Hallmark Certificate 129-H-634.00 Rating is C-C50 29" x 72" Unit Tested was a CW16 w/HPiR Hallmark Certificate 129-H-634.02 Rating is ASTM E1996, Missile D, Cycle Pressure of +50/-65 Unit Tested was a CW16 w/HPiR Hallmark Certificate 129-H-637.00 Rating is C-C50 36" x 53" Unit tested was CXW145 w/HPiR Hallmark Certificate 129-H-637.02 Rating is ASTM E1996-02, Missile D, Cycle Pressure of +50/-65 Unit tested was CXW145 w/HPiR		<b>Certification Agency Certificate</b> <b>Installation Instructions</b> Verified By:
1086.4	200/400 Series Casement Window - Singles - Non Impact	Vinyl Clad Wood Casement Window
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other:</b> Hallmark Certificate 129-H-630.00 Rating is C-C50 36" x 72" Unit tested was CXW16 with HP Glass Hallmark Certificate 129-H-631.00 Rating is C-C75 25" x 60" Unit tested was a C15 with HP Glass		<b>Certification Agency Certificate</b> <b>Installation Instructions</b> Verified By:
1086.5	200/400 Series Casement Window - Triples - Impact Resistant	Vinyl Clad Wood Casement Window (XOX)
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b>		<b>Certification Agency Certificate</b> <b>Installation Instructions</b>

<b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other:</b> Hallmark Certificate 129-H-635.00 Rating is C-C50 72" x 60" Unit tested was a C35 w/HPiR Glass Hallmark Certificate 129-H-635.02 Rating is ASTM E1996-02, Missile D, Cycle Pressure +50/-65 Unit tested was a C35 w/HPiR Glass		Verified By:
1086.6	200/400 Series Casement Window - Triples - Non Impact	Vinyl Clad Wood Casement Window (XOX)
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other:</b> Hallmark Certificate 129-H-686.00 Rating is C-C60 72" x 60" Unit tested was C35 with HP Glass Hallmark Certificate 129-H-695.00 Rating is C-C40 85" x 60" Unit tested was CW35 with HP Glass		<b>Certification Agency Certificate</b> <b>Installation Instructions</b> Verified By:

[Back](#)

[Next](#)

DCA Administration

**Department of Community Affairs**

**Florida Building Code Online**

**Codes and Standards**

2555 Shumard Oak Boulevard

Tallahassee, Florida 32399-2100

(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

© 2000-2005 The State of Florida. All rights reserved. Copyright and Disclaimer

**Product Approval Accepts:**





*moody*

# FLORIDA DEPARTMENT OF Community Affairs



**Product Approval**  
USER: Public User

[BCIS Home](#) | [Log In](#) | [Hot Topics](#) | [Submit Surcharge](#) | [Stats & Facts](#) | [Publications](#) | [FBC Staff](#) | [BCIS Site Map](#) | [Links](#) | [Search](#)

[OCA HOME](#) | [ABOUT DCA](#) | [OCA PROGRAMS](#) | [CONTACT DCA](#) | [OCA SITE MAP](#)



[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > **Application Detail**

- ▶ COMMUNITY PLANNING
- ▶ HOUSING & COMMUNITY DEVELOPMENT
- ▶ BUILDING CODES
- ▶ FLORIDA COMMUNITIES TRUST
- ▶ FRONT PORCH FLORIDA
- ▶ EMERGENCY MANAGEMENT
- ▶ OFFICE OF THE SECRETARY
- ▶ REGIONS
- ▶ FREQUENTLY ASKED QUESTIONS
- ▶ ABOUT OUR SECRETARY
- ▶ EMAIL THE SECRETARY
- ▶ INFORMATION GENERAL
- ▶ WEB ASSISTANCE
- ▶ CONTACT US
- ▶ CAREERS
- ▶ BOO EMPLOYER SERVICES

FL #

FL560-R1

Application Type

Revision

Code Version

2004

Application Status

Approved

Comments

Archived



Product Manufacturer  
Address/Phone/Email

Monierlifetile  
200 Story Road  
Lake Wales, FL 33853  
(561) 866-5983  
rmooddy@monierlifetile.com

Authorized Signature

Reese Moody  
rmooddy@monierlifetile.com

Technical Representative  
Address/Phone/Email

Reese Moody  
200 Story Road  
Lake Wales, FL 33853  
rmooddy@monierlifetile.com

Quality Assurance Representative  
Address/Phone/Email

Steve Zigich  
200 Story Road  
Lake Wales, FL 33853

szigich@monierlifetile.com

Category

Roofing

Subcategory

Roofing Tiles

Compliance Method

Evaluation Report from a Product Evaluation Entity

Evaluation Entity

SBCCI PST and ESI

Quality Assurance Entity

PSI/Pittsburgh Testing Laboratory

Validated By

Gary W. Walker

Certificate of Independence

Referenced Standard and Year (of  
Standard)

<b><u>Standard</u></b>	<b><u>Year</u></b>
02-0328.04	2002
02-0328.05	2002
02-1205.04	2002
02-1205.05	2002
02-1205.06	2002
02-1205.07	2002
02-1211.06	2002
02-1211.07	2002
02-1211.08	2002
04-0512.04	2004
ASTM C 1492	2003

FRSA/RTI 07320	2001
FRSA/RTI 07320	2001
FRSA/RTI 07320	2001
FRSA/RTI 07320	2001
RAS 118	2004
RAS 119	2004
RAS 120	2004
SSTD 11	1997
TAS 101	1995
TAS 102	1995
TAS 102(A)	1995
TAS 112	1995

Equivalence of Product Standards  
Certified By

Sections from the Code

1507.3.2
1507.3.5
1507.3.7
1507.3.8
1507.3.9
1518.8.1
1518.8.1
1518.8.1
1523.6.5.2
1523.6.5.2.2
1523.6.5.2.3
1523.6.5.2.3.
1715.2

Product Approval Method	Method 1 Option C
Date Submitted	08/18/2005
Date Validated	10/19/2005



Date Pending FBC Approval 10/01/2005  
 Date Approved 11/11/2005

**Summary of Products**

FL #	Model, Number or Name	Description
560.1	Atlantis Shake and Slate	flat profile  <b>Installation Instructions</b> Verified By: <b>Evaluation Reports</b> <u>PTID 560 R1 T 02032804 Premium Duralite</u> <u>Shake and Slate.pdf</u> <u>PTID 560 R1 T 02032805 Premium Duralite</u> <u>Villa.pdf</u> <u>PTID 560 R1 T 02120504 Mission S and</u> <u>Espana.pdf</u> <u>PTID 560 R1 T 02120505 Villa, Roll, and</u> <u>Capri.pdf</u> <u>PTID 560 R1 T 02120506 Shake and Slate.pdf</u> <u>PTID 560 R1 T 02120507 Spanish S.pdf</u> <u>PTID 560 R1 T 02121106 Cedarite.pdf</u> <u>PTID 560 R1 T 02121107 Mission Barrel.pdf</u> <u>PTID 560 R1 T 02121108 Atlantis.pdf</u> <u>PTID 560 R1 T 04051204 Madera.pdf</u> <u>PTID 560 R1 T 9460C.pdf</u> <u>PTID 560 R1 T Certificate+of+Independence.pdf</u> <u>PTID 560 R1 T FRSA Manual.pdf</u>
560.2	Capri	medium profile  <b>Installation Instructions</b> Verified By: <b>Evaluation Reports</b>

**Limits of Use (See Other)**  
**Approved for use in HVHZ:**  
**Approved for use outside HVHZ:**  
**Impact Resistant:**  
**Design Pressure: +/-**

<b>Other:</b> (A) Class A roof covering (B) Roof tiles may be used in both high velocity hurricane zones (HVHZ) and non high velocity hurricane zones.		
560.3	Cedarlite	low profile
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other:</b> (A) Class A roof covering (B) Roof tiles may be used in both high velocity hurricane zones (HVHZ) and non high velocity hurricane zones.		<b>Installation Instructions</b> <b>Verified By:</b> <b>Evaluation Reports</b>
560.4	Duralite Shake and Slate	flat profile
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other:</b> (A) Class A roof covering (B) Roof tiles may be used in both high velocity hurricane zones (HVHZ) and non high velocity hurricane zones.		<b>Installation Instructions</b> <b>Verified By:</b> <b>Evaluation Reports</b>
560.5	Duralite Villa	medium profile
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other:</b> (A) Class A roof covering (B) Roof tiles may be used in both high velocity hurricane zones (HVHZ) and non high velocity hurricane zones.		<b>Installation Instructions</b> <b>Verified By:</b> <b>Evaluation Reports</b>

560.6	Espana	high profile	
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other:</b> (A) Class A roof covering (B) Roof tiles may be used in both high velocity hurricane zones (HVHZ) and non high velocity hurricane zones.		<b>Installation Instructions</b> <b>Verified By:</b> <b>Evaluation Reports</b>	
560.7	Madera	flat profile	
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other:</b> (A) Class A roof covering (B) Roof tiles may be used in both high velocity hurricane zones (HVHZ) and in non high velocity hurricane zones.		<b>Installation Instructions</b> <b>Verified By:</b> <b>Evaluation Reports</b>	
560.8	Mission 'S'	high profile	
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other:</b> (A) Class A roof covering (B) Roof tiles may be used in both high velocity hurricane zones (HVHZ) and non high velocity hurricane zones.		<b>Installation Instructions</b> <b>Verified By:</b> <b>Evaluation Reports</b>	
560.9	Mission Barrel	high profile	
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b>		<b>Installation Instructions</b> <b>Verified By:</b>	

<b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other:</b> (A) Class A roof covering (B) Roof tiles may be used in both high velocity hurricane zones (HVHZ) and non high velocity hurricane zones.		<b>Evaluation Reports</b>
560.10	Shake and Slate	flat profile
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other:</b> (A) Class A roof covering (B) Roof tiles may be used in both high velocity hurricane zones (HVHZ) and non high velocity hurricane zones.		<b>Installation Instructions</b> Verified By: <b>Evaluation Reports</b>
560.11	Spanish 'S'	high profile
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other:</b> (A) Class A roof covering (B) Roof tiles may be used in both high velocity hurricane zones (HVHZ) and non high velocity hurricane zones.		<b>Installation Instructions</b> Verified By: <b>Evaluation Reports</b>
560.12	Vanguard Roll	medium profile
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other:</b> (A) Class A roof covering (B) Roof tiles may		<b>Installation Instructions</b> Verified By: <b>Evaluation Reports</b>

be used in both high velocity hurricane zones (HVHZ) and non high velocity hurricane zones.

560.13	Villa	medium profile
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other: (A) Class A roof covering (B) Roof tiles may be used in both high velocity hurricane zones (HVHZ) and non high velocity hurricane zones.</b>		<b>Installation Instructions</b> <b>Verified By:</b> <b>Evaluation Reports</b>

[Back](#)

[Next](#)

DCA Administration

**Department of Community Affairs**  
**Florida Building Code Online**

**Codes and Standards**

2555 Shumard Oak Boulevard  
Tallahassee, Florida 32399-2100

(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

© 2000-2005 The State of Florida. All rights reserved. Copyright and Disclaimer  
**Product Approval Accepts:**



*Sliding Glass Door*

[http://www.floridabuilding.org/pr/pr\\_app\\_dtl.aspx?param=WGEVXQwtdqddS%2fv%2fp...](http://www.floridabuilding.org/pr/pr_app_dtl.aspx?param=WGEVXQwtdqddS%2fv%2fp...)

# FLORIDA DEPARTMENT OF Community Affairs

[BCIS Home](#) | [Log In](#) | [Hot Topics](#) | [Submit Surcharge](#) | [Stats & Facts](#) | [Publications](#) | [FBC Staff](#) | [BCIS Site Map](#) | [Links](#) | [Search](#)



**Product Approval**  
USER: Public User

[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > [Application Detail](#)

FL #

FL126-R1

Application Type

Revision

Code Version

2004

Application Status

Approved

Comments

Archived

EMERGENCY  
MANAGEMENT  
OFFICE OF THE  
SECRETARY

Kinco, Ltd.

Product Manufacturer  
Address/Phone/Email

P.O. Box 6429

5245 Old Kings Road

Jacksonville, FL 32236-642

(904) 355-1476 ext 180

[jim.puckett@kinco-windows.com](mailto:jim.puckett@kinco-windows.com)

Authorized Signature

James Puckett  
[jim.puckett@kinco-windows.com](mailto:jim.puckett@kinco-windows.com)

Technical Representative

James Puckett

Address/Phone/Email

5245 Old Kings Rd. N.  
Jacksonville, FL 32254

[jim.puckett@kinco-windows.com](mailto:jim.puckett@kinco-windows.com)

Quality Assurance Representative  
Address/Phone/Email

Category  
Subcategory

Exterior Doors  
Sliding Exterior Door Assemblies

Compliance Method

Certification Mark or Listing

Certification Agency

American Architectural Manufacturers Association

Referenced Standard and Year (of  
Standard)

Standard  
ANSI/AAMA/NWDA 101 I.S. 2

Year  
1997

Equivalence of Product Standards  
Certified By

Product Approval Method

Method 1 Option A

Date Submitted  
Date Validated  
Date Pending FBC Approval  
Date Approved

09/22/2005  
09/30/2005  
09/30/2005  
10/11/2005

**Summary of Products**

FL #	Model, Number or Name	Description



126.1	Mark 2/3/4/5	Aluminum Sliding Glass Door
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other: BYPASS only DP35 4068panel DP30 3080panel</b>		<b>Certification Agency Certificate</b> <b>Installation Instructions</b> <u>PTID 126 R1 I KJAX0077 - SGD 1x buck.PDF</u> <u>PTID 126 R1 I KJAX0078 - SGD 2x buck or wood frame.PDF</u> <b>Verified By:</b>
126.2	Mark 2/3/4/5 HP	Aluminum Sliding Glass Door
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other: BYPASS and POCKET DP40 4080panel</b>		<b>Certification Agency Certificate</b> <b>Installation Instructions</b> <b>Verified By:</b>

[Back](#)

[Next](#)

DCA Administration

**Department of Community Affairs**  
**Florida Building Code Online**

**Codes and Standards**

2555 Shumard Oak Boulevard  
Tallahassee, Florida 32399-2100

(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

© 2000-2005 The State of Florida. All rights reserved. Copyright and Disclaimer  
**Product Approval Accepts:**



*French door*

# FLORIDA DEPARTMENT OF Community Affairs



**Product Approval**  
USER: Public User

BCIS Home | Log In | Hot Topics | Submit Surcharge | Stats & Facts | Publications | FBC Staff | BCIS Site Map | Links | Search

[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > [Application Detail](#)

- COMMUNITY PLANNING
- HOUSING & COMMUNITY DEVELOPMENT
- EMERGENCY MANAGEMENT
- OFFICE OF THE SECRETARY

FL #	FL161-R1
Application Type	Revision
Code Version	2004
Application Status	Approved
Comments	<input type="checkbox"/>
Archived	
Product Manufacturer	Custom Window Systems, Inc.
Address/Phone/Email	981 N.E. 16th Street Ocala, FL 34470 (352) 368-6922 ext 206 Nancy@cws.cc
Authorized Signature	Nancy Haldin Nancy@cws.cc
Technical Representative	Michael LaFevre
Address/Phone/Email	981 NE 16th Street Ocala, FL 34470 Michael@cws.cc

<b>Quality Assurance Representative</b>	Ralph Emminger	
<b>Address/Phone/Email</b>	981 NE 16th Street Custom Window Systems, Inc. Ocala, FL 34470 (352) 368-6922 ralph@cws.cc	
<b>Category</b>	Exterior Doors	
<b>Subcategory</b>	Swinging Exterior Door Assemblies	
<b>Compliance Method</b>	Certification Mark or Listing	
<b>Certification Agency</b>	Keystone Certifications, Inc.	
<b>Referenced Standard and Year (of Standard)</b>	<u>Standard</u> ANSI/AAMA/WDMA 101/IS2-97	<u>Year</u> 1997
<b>Equivalence of Product Standards Certified By</b>		
<b>Product Approval Method</b>	Method 1 Option A	
<b>Date Submitted</b>	08/02/2005	
<b>Date Validated</b>	08/02/2005	
<b>Date Pending FBC Approval</b>	08/04/2005	
<b>Date Approved</b>	08/24/2005	

**Summary of Products**

FL #	Model, Number or Name	Description
161.1	Guardian Entry Door	Guardian Entry Door
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other: Guardian Entry Door HGD-LC40 37x81</b>		<b>Certification Agency Certificate Installation Instructions</b> <a href="#">PTID 161 R1 I CAR 138-109.pdf</a> <a href="#">PTID 161 R1 I CWS-0131.pdf</a> <a href="#">PTID 161 R1 I CWS-0133.pdf</a> <a href="#">PTID 161 R1 I CWS-0134.pdf</a> <b>Verified By:</b>

[Back](#)

[Next](#)

DCA Administration

**Department of Community Affairs**

**Florida Building Code Online**

**Codes and Standards**

2555 Shumard Oak Boulevard

Tallahassee, Florida 32399-2100

(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

© 2000-2005 The State of Florida. All rights reserved. Copyright and Disclaimer

Product Approval Accepts:





<a href="#">BCIS Home</a>	<a href="#">Log In</a>	<a href="#">Hot Topics</a>	<a href="#">Submit Surcharge</a>	<a href="#">Stats &amp; Facts</a>	<a href="#">Publications</a>	<a href="#">FBC Staff</a>	<a href="#">BCIS Site Map</a>	<a href="#">Links</a>	<a href="#">Search</a>
---------------------------	------------------------	----------------------------	----------------------------------	-----------------------------------	------------------------------	---------------------------	-------------------------------	-----------------------	------------------------



**Product Approval Menu > Product or Application Search > Application List > **Application Detail****

FL #	FL331-R2
Application Type	Revision
Code Version	2004
Application Status	Approved
Comments	
Archived	
Product Manufacturer	PGT Industries
Address/Phone/Email	1070 Technology Drive Nokomis, FL 34275 (941) 480-1600 ext 1124 lturner@pgtindustries.com
Authorized Signature	Lucas Turner lturner@pgtindustries.com
Technical Representative	Lucas A. Turner
Address/Phone/Email	1070 Technology Drive



Quality Assurance Representative  
Address/Phone/Email

Category  
Subcategory

Exterior Doors  
Swinging Exterior Door Assemblies

Compliance Method

Certification Mark or Listing

Certification Agency

American Architectural Manufacturers Association

Referenced Standard and Year (of  
Standard)

Standard  
ANSI/AAMA/NWWDA 101/1.S.2

Year  
1997

Equivalence of Product Standards  
Certified By

Product Approval Method

Method 1 Option A

Date Submitted

08/03/2005

Date Validated

08/03/2005

Date Pending FBC Approval

08/04/2005

Date Approved

08/24/2005

**Summary of Products**

FL #	Model, Number or Name	Description
------	-----------------------	-------------

331.1	SWD-100	Aluminum Cabana Door
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other: HGD-LC40-37x80</b>		<b>Certification Agency Certificate</b> <b>Installation Instructions</b> <b><u>PTID_331_R2_I_FTL-3473.pdf</u></b> <b>Verified By:</b>

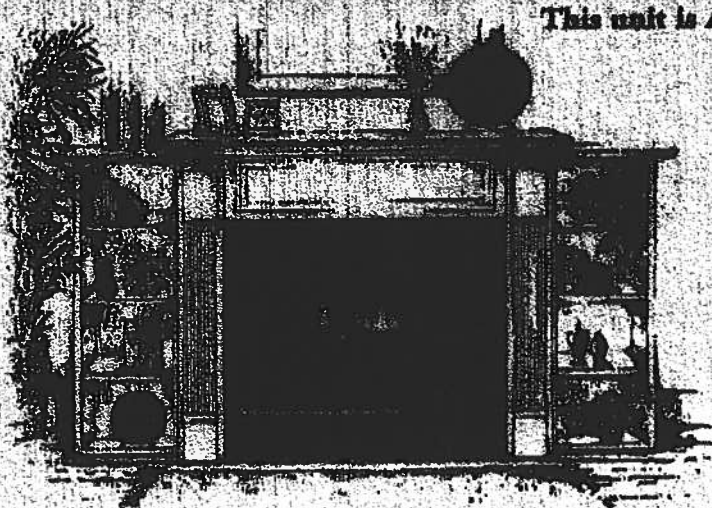
[Back](#)[Next](#)DCA Administration**Department of Community Affairs  
Florida Building Code Online  
Codes and Standards**

2555 Shumard Oak Boulevard  
Tallahassee, Florida 32399-2100  
(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

© 2000-2005 The State of Florida. All rights reserved. Copyright and Disclaimer  
**Product Approval Accepts:**



# VENTILATED



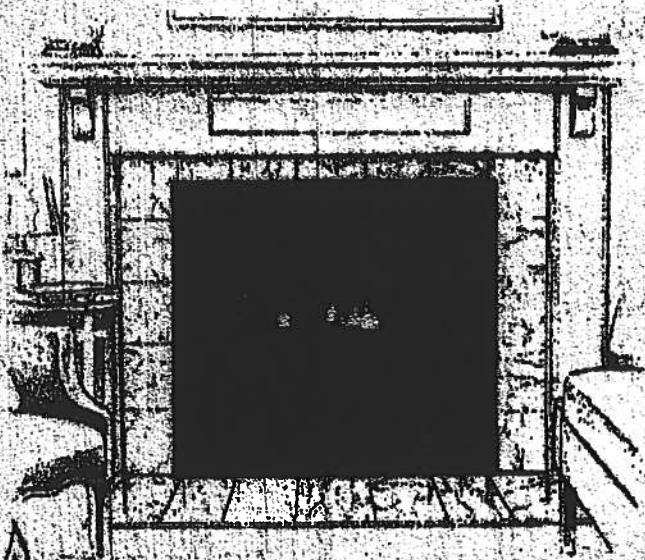
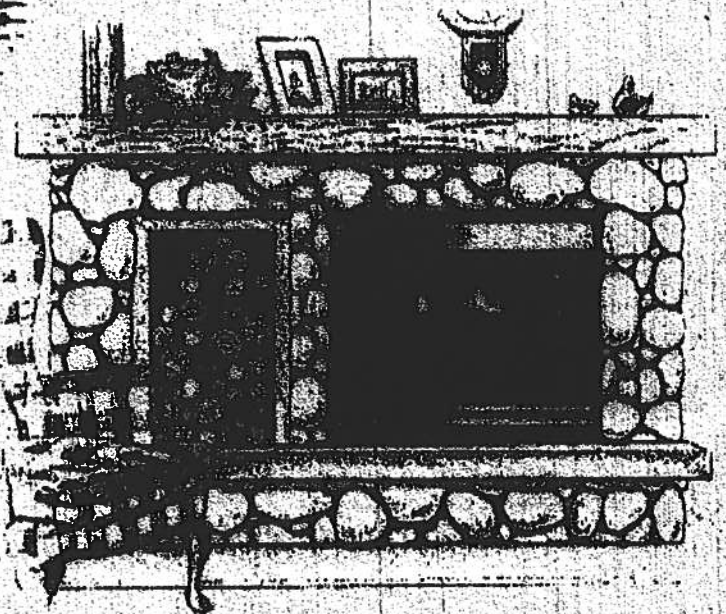
This unit is A.G.A. certified as a heater with 99% heat efficiency.  
No chimney or flue system required.  
Wide selection of factory installed options offered.

## VF-4000

- 14,000 - 25,000 Btu/hr with manual control valve
- 19,500 - 25,000 Btu/hr with millivolt control valve
- Fully assembled and ready to install
- Attractive wood surrounds available
- 15" x 30" fixed or operable screen opening

## VF-5000

- 25,000 Btu/hr millivolt variable heat output
- 15" X 30" glass or screen viewing area
- Clean burning, safe and easy to install
- Realistic charred oak logs with glowing embers



## VF-6000

- 32,000 Btu/hr millivolt variable heat output
- Beautiful 20" X 34" glass or screen viewing area
- Will operate during a power failure
- Designed for large rooms



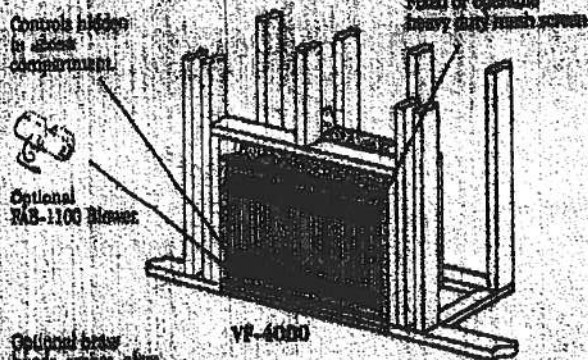
**SUPERIOR**



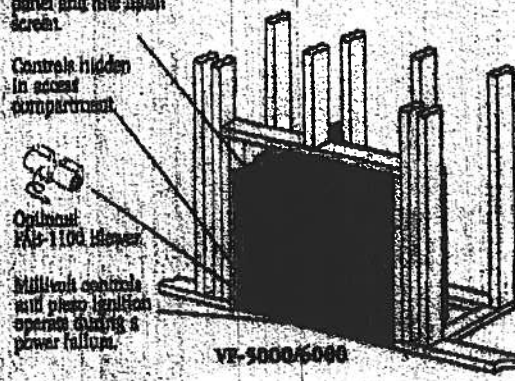
VF-1000/3000/6000



VF-6000 cabinet



VF-4000



VF-5000/6000

### SURROUNDS

The Challenge Poplar Surround is hand crafted using a combination of solid Poplar and Poplar veneer. Using the unique wood type of Poplar allows you the option to paint or stain this elegantly detailed surround. The surround is constructed using easy to assemble cam locks, and available in corner and wall units.



Distributed by:



Refractory tan brick panels



Gas Dux liner kit



Squeeze beam trim kit



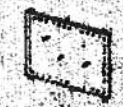
Brass Louver Kit (For VF-4 only)



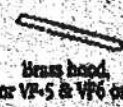
Screen panel kit (For VF-5 & VF6 only)



Arch kit (For VF-5 & VF6 only)



Glass door kit (For VF-5 & VF6 only)



Brass hood (For VF-5 & VF6 only)

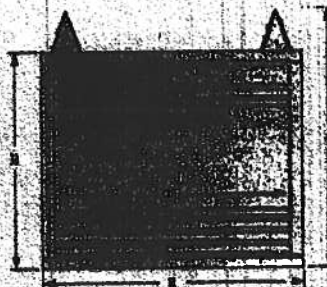


Wall switch or optional wireless remote available (For VF-4th, VF-5 & VF-6)

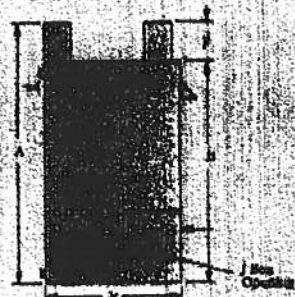


Wall thermostat (For VF-4th, VF-5 & VF-6)

### Front View



### Left Side View



### Top View



### Vent-Free Product Dimensions

	VF-4000/5000C	VF-6000C
Height	54 1/2"	55 5/8"
Depth	20"	24"
Width	31 1/2"	34"
Weight	51 lbs	60 lbs
Clearance to combustibles	18"	18"
Clearance to non-combustibles	18"	18"
Clearance to ceiling	18"	18"
Clearance to floor	18"	18"
Clearance to wall	18"	18"
Clearance to door	18"	18"
Clearance to window	18"	18"

### Btu Chart

Model	Neutral	Propane
VF-4000 control	14,000 - 25,000	14,000 - 35,000
VF-4000/5000 dual-valve	19,500 - 25,000	19,500 - 25,000
VF-6000	25,000 - 52,000	25,000 - 52,000

### Framing Dimension

Model	Width	Height	Depth
VF-4000/5000	37"	57 3/4"	15 1/2"
VF-6000	41"	62 3/8"	19 1/8"

NOTE: Diagrams and illustrations are not to scale. Product designs, materials, dimensions, specifications, colors and prices subject to change or discontinuation without notice. Built to ANSI Z21.11.2 standard and approved by A.G.A. Report # 12970017.

Consult your distributor for local fireplace code information.



**SUPERIOR**

www.LennoxHearthProducts.com

Printed in U.S.A. ©2001 Lennox Hearth Products • 1116 West 1st Ave., Orange, CA 92665-4150

Lennox Hearth Products Direct Vent heater rated gas appliances include a 20-year limited warranty.

P/N 601464 REV. B 2/01

May. 01 2003 07:51AM P2

FAX NO.: +386 758 4735

FROM: LAKE CITY INDUSTRIES

\*\* LAMAR BOOZER \*\*  
 900 EAST PUTNAM STREET  
 LAKE CITY, FL 32055

PROJECT:  
 CLIENT: I SAA C CADY  
 DATE: 5 20 06

RESIDENTIAL/LIGHT COMMERCIAL HVAC LOADS

DESIGNER: LAMAR BOOZER

# CLIENT INFORMATION:

NAME: I SAA C CADY  
 ADDRESS:  
 CITY, STATE: LAKE CITY, FLORIDA 32055

# TOTAL BUILDING LOADS:

BLDG. LOAD DESCRIPTIONS	AREA QUAN	SEN. LOSS	LAT. + GAIN	SEN. = GAIN	TOTAL GAIN
3-C WINDOW DBL PANE CLR GLS METL FR	294	9,589	0	18,808	18,808
9-I FRENCH DOOR DBL CLR GLS METL FR	84	2,851	0	6,148	6,148
12-E WALL R-11 +1/2"EXTPOLY BD(R-2.5)	2,409	8,131	0	4,808	4,808
11-C DOOR METAL POLYSTYRENE CORE	57	1,206	0	713	713
16-G CEILING R-30 INSULATION	3,139	4,662	0	4,868	4,868
22-A SLAB ON GRADE NO EDGE INSUL	289	10,535	0	0	0
SUBTOTALS FOR STRUCTURE:		6,272	36,974	0	35,345
PEOPLE	28	0	0	8,400	8,400
APPLIANCES	0	0	1,800	1,500	3,300
DUCTWORK	0	1,849	0	4,525	4,525
INFILTRATION W.CFM: 0.0 S.CFM: 0.0	0	0	0	0	0
VENTILATION W.CFM: 0.0 S.CFM: 0.0	0	0	0	0	0
SENSIBLE GAIN TOTAL				49,770	
TEMP. SWING MULTIPLIER				X 1.00	
BUILDING LOAD TOTALS		38,823	1,800	49,770	51,570

SUPPLY CFM AT 20 DEG DT: 2,262 CFM PER SQUARE FOOT: 0.721  
 SQUARE FT. OF ROOM AREA: 3,139 SQUARE FOOT PER TON: 730.425

TOTAL HEATING REQUIRED WITH OUTSIDE AIR: 38.823 MBH  
 TOTAL COOLING REQUIRED WITH OUTSIDE AIR: 4.298 TONS

CALCULATIONS ARE BASED ON 7TH EDITION OF ACCA MANUAL J.  
 ALL COMPUTED RESULTS ARE ESTIMATES AS BUILDING USE AND WEATHER MAY VARY.  
 BE SURE TO SELECT A UNIT THAT MEETS BOTH SENSIBLE AND LATENT LOADS.



# 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.**



**E**

**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.

【附】

**E**

**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/m<sup>2</sup>), to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional



**i**

**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 (accessable 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 (termitecide or alternative method)
  - 10. Slab on grade
    - a. Vapor retarder (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 retarder (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

**HVAC information**

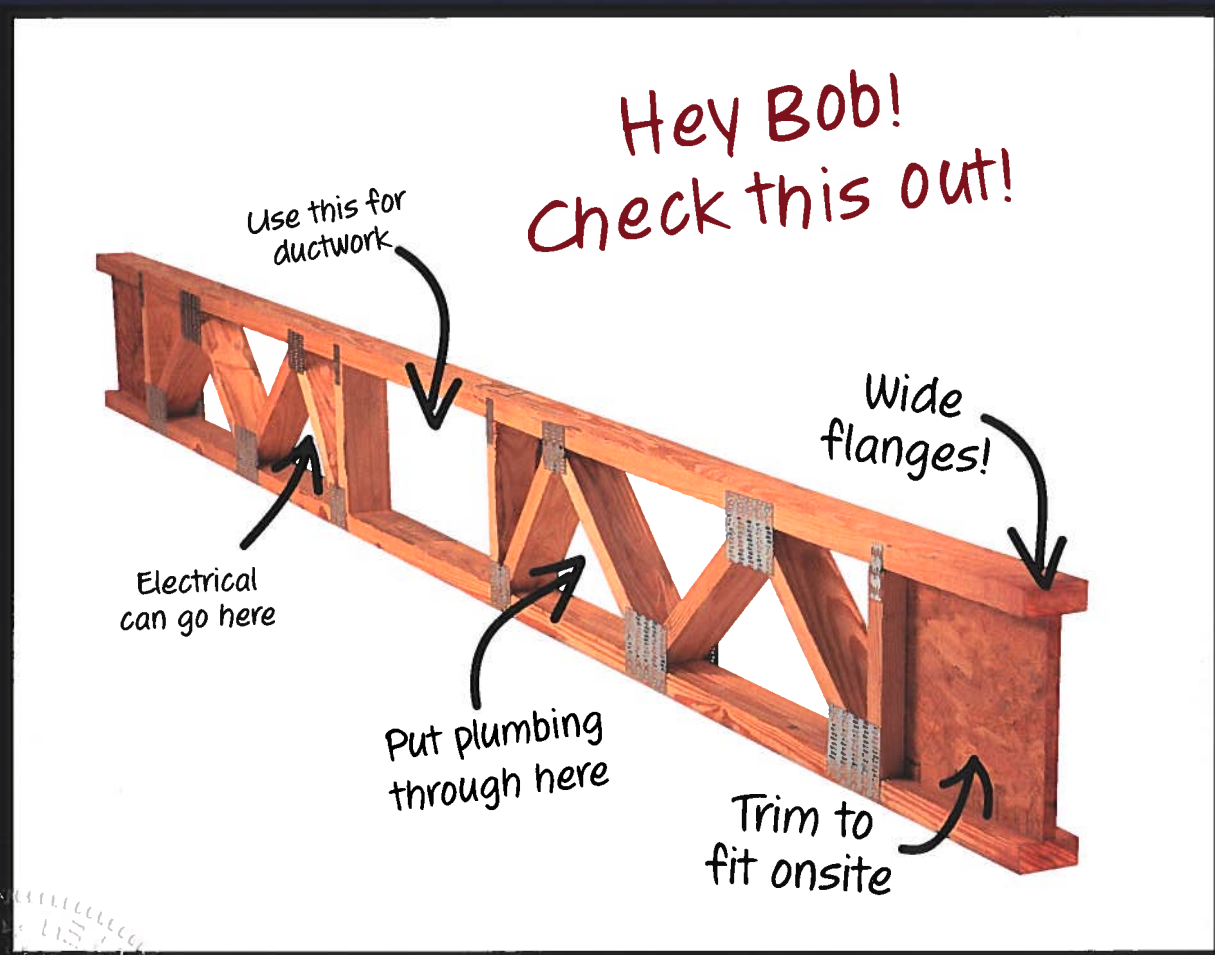
- a) Manual J sizing equipment or equivalent computation
- b) Exhaust fans in bathroom

**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****Private Potable Water**

- a) Size of pump motor
- b) Size of pressure tank
- c) Cycle stop valve if used

☐☐☒☐☒☐☒☐☒☐☒☐☒☐☒☐☒☐☒☐☒☐☒☐☒☐☒☐☒☐☒☐☐☐

# TrimJoist



If Bob tries TrimJoist, he'll find out  
why TrimJoist is the best choice for floor truss products.

**IT'S CONTRACTOR-FRIENDLY.**

The end sections can be trimmed onsite.

**IT SAVES MONEY AND TIME.**

With strut-webbing, there's no need for subcontractors to cut holes.

**IT'S STRONGER.**

You don't weaken the joist with holes.

**IT HAS WIDE FLANGES.**

With 3.5-inch flanges on the top and bottom, subfloor application is simple. Nailing and gluing are easier.

**IT COMES WITH A TEAM OF ENGINEERS.**

Just call our toll-free number for custom engineering.

**TrimJoist**  
ENGINEERED WOOD PRODUCTS

**1 800 844-8281**  
**www.trimjoist.com**



The *uniform load* span charts below indicate the maximum design spans (including a 1½" minimum bearing at each end) for each family of *TrimJoist* floor joists. Each chart is divided into columns which represent common design loadings and rows which show typical spacings. Most residential designs require a minimum of 55 psf loading. Floors used for heavy traffic and/or heavy floor coverings (e.g. Tile) should be designed at 60 psf minimum. All loads are broken down into *Live*, *Top-dead* and *Bottom-dead* components. For example, the 55 psf column is really 40 psf live plus 10 psf top-dead plus 5 psf bottom-dead for a total of 55 psf. Dead loads are the weight of construction materials and are always present for the whole life of the structure. Live loads, on the other hand, are transient and are never constant over the life of the structure. Select the appropriate column based on the *dead* loads of your construction materials. These charts are for *uniformly loaded, clear span, simply supported* joists. For special applications requiring concentrated loads, asymmetric continuous loads, cantilevers, or special bearing conditions please consult a *TrimJoist* representative or authorized dealer. The TPDS computer program can be used to analyze almost any loading and/or bearing condition.

11 ¼" Deep	Spacing	Loading	55 PSF (40/10/5)	60 PSF (40/10/10)
		12	24' – 0" L/497	24' – 0" L/497
		16	22' – 0" L/485	22' – 0" L/485
		19.2	21' – 2" L/453	21' – 2" L/453
		24	19' – 7" L/455	19' – 7" L/455

16" Deep	Spacing	Loading	55 PSF (40/10/5)	60 PSF (40/10/10)
		12	28' – 0" L/676	28' – 0" L/676
		16	28' – 0" L/507	28' – 0" L/507
		19.2	27' – 4" L/453	27' – 4" L/453
		24	25' – 5" L/450	25' – 5" L/450

14" Deep	Spacing	12	26' – 0" L/633	26' – 0" L/633
		16	26' – 0" L/475	26' – 0" L/475
		19.2	24' – 10" L/453	24' – 10" L/453
		24	23' – 0" L/452	22' – 0" L/517

18" Deep	Spacing	12	30' – 0" L/710	30' – 0" L/710
		16	30' – 0" L/532	30' – 0" L/532
		19.2	29' – 10" L/451	29' – 10" L/451
		24	27' – 7" L/468	27' – 3" L/473

### Notes on Span Charts:

- Spans are based on uniformly loaded joists and include allowances for repetitive use members.
- Live loads of 40 psf are assumed. Additional dead loads should be chosen based on construction materials.
- All *TrimJoist* floor joists have a TOP orientation and should not be installed upside-down.
- Stiffness factors (L/xxx) assume a minimum ¾-inch span-rated subfloor that has been both *glued and nailed*.
- Limit total reaction (per end) to that indicated in the Maximum Reaction Table at the right.
- Do not apply center supports, cantilevers, concentrated, or asymmetrical continuous loads without first consulting a *TrimJoist* representative.

### Maximum Reaction Table

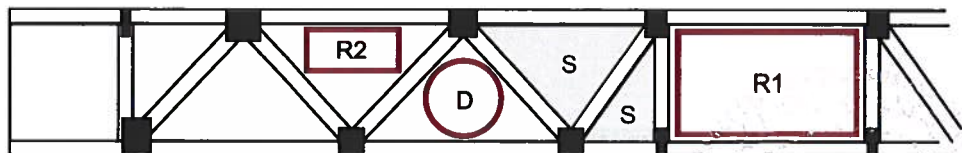
Width	1½	3½	5½
Max	3000	3500	4000

Width is the width of the loaded wall above, or the bearing wall width whichever is less.

**A Note About Floor Stiffness:** Floor performance is greatly influenced by joist stiffness. Experience has shown that a floor system designed to minimum code acceptance may not meet the expectations of discerning owners. *TrimJoist* Corporation strongly recommends that floor spans be limited to those indicated in the charts above. The numbers in these charts far exceed minimum code requirements and are based on both gluing *and* nailing the subfloor. In cases where the subfloor is nailed only, spans remain the same, but the stiffness must be reduced by 20%. For optimal performance use screws in lieu of nails.

### Opening Sizes

	J12	J14	J16	J18
H	11¼"	14"	16"	18"
D	5"	8"	9"	10"
R1	8x16	10x24	12x24	14x24
R2	4x9	4x10 6x6	4x12 6x8	4x14 6x10 8x8



- All sizes given are in inches and denote maximum expected clearance.
- Rectangular opening (R1) is provided at centerline of stock length.
- Only opening D available in 4' stock length (one opening only).
- Only opening R1 available in 6' and 8' stock length.
- Openings R2 & D not applicable in shaded areas (s).

*Amgillen*  
 Jan. 10, 2006

### Good Framing Practice...

- DO** Install *TrimJoists* right side up. TOP is stamped on the top of each joist.
- DO** Make sure that each *TrimJoist* bears on the bottom flange beneath the *TrimEnd* section or beneath the first metal plate if the *TrimEnd* section has been removed.
- DO** Use strongback stiffeners. Although not required for structural performance, strongback adds additional resistance to impact loadings.
- DO** Provide appropriate bearing width at each end of the *TrimJoist*. The required width can be found in the Maximum Reaction Table above. Use vertical web stiffeners where reactions exceed these values.
- DO** Use *TrimJoist* approved hangers for flush-mounted bearing conditions. These may be purchased from your local *TrimJoist* dealer.
- DO** Use an appropriately rated sub-floor that has been both glued and nailed/screwed to the top flange of the *TrimJoist*.
- DO** Consult your *TrimJoist* dealer or representative about special loading or bearing conditions not addressed in this Application Guide.

- DO NOT** cut any part of the *TrimJoist* except for the *TrimEnd* sections which are specifically designed to be field cut.
- DO NOT** remove, cut or alter any metal plate connector on the *TrimJoist* without first consulting a factory engineer.
- DO NOT** install the *TrimJoist* upside down without first consulting a *TrimJoist* factory engineer.
- DO NOT** use a *TrimJoist* as a header or beam except as may be instructed by a *TrimJoist* engineer.
- DO NOT** allow the *TrimJoist* to be supported by the top flange. All support must be from under the bottom flange.
- DO NOT** depend on "toe nailing" to provide adequate support capacity for flush-mounted framing. Consult your local *TrimJoist* dealer or a *TrimJoist* factory engineer for proper hanger selection.
- DO NOT** apply special support or load conditions without first consulting a *TrimJoist* representative.



# 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: ISWV487-Z0202135036

Truss Fabricator: Anderson Truss Company  
Job Identification: 6-122--Isaac Construction Cady -- , \*\*  
Truss Count: 66  
Model Code: Florida Building Code 2004  
Truss Criteria: ANSI/TPI-2002(STD)/FBC  
Engineering Software: Alpine Software, Version 7.24.  
Structural Engineer of Record: The identity of the structural EOR did not exist as of  
Address: the seal date per section 61G15-31.003(5a) of the FAC  
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration  
Floor - N/A  
Wind - 110 MPH ASCE 7-02 -Closed

## Notes:

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

Details: CNBRGBLK-



Seal Date: 05/02/2006

-Truss Design Engineer-

Arthur R. Fisher

Florida License Number: 59687

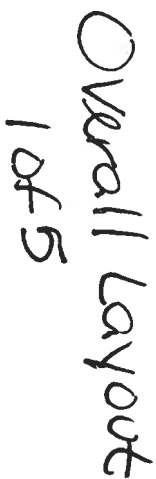
1950 Marley Drive

Haines City, FL 33844

#	Ref	Description	Drawing#	Date
1	62182--A1		06122037	05/02/06
2	62183--A2		06122026	05/02/06
3	62184--A3		06122023	05/02/06
4	62185--A4		06122067	05/02/06
5	62186--A5		06122016	05/02/06
6	62187--A6G		06122057	05/02/06
7	62188--A7G		06122036	05/02/06
8	62189--A8		06122019	05/02/06
9	62190--A9G		06122021	05/02/06
10	62191--A10G		06122041	05/02/06
11	62192--B1-GE		06122050	05/02/06
12	62193--B2		06122047	05/02/06
13	62194--B3		06122048	05/02/06
14	62195--C1		06122068	05/02/06
15	62196--C2		06122069	05/02/06
16	62197--C3		06122061	05/02/06
17	62198--C4		06122062	05/02/06
18	62199--C5		06122063	05/02/06
19	62200--C6		06122064	05/02/06
20	62201--C7		06122066	05/02/06
21	62202--D1		06122011	05/02/06
22	62203--D2		06122009	05/02/06
23	62204--HJR		06122060	05/02/06
24	62205--EJR		06122018	05/02/06
25	62206--HJT		06122046	05/02/06
26	62207--EJT		06122008	05/02/06
27	62208--J3T		06122056	05/02/06
28	62209--J1T		06122065	05/02/06
29	62210--HJX		06122052	05/02/06
30	62211--EJX		06122054	05/02/06
31	62212--J1X		06122053	05/02/06
32	62213--HJA		06122030	05/02/06
33	62214--EJA		06122032	05/02/06
34	62215--J1A		06122035	05/02/06
35	62216--J2A		06122028	05/02/06
36	62217--J3A		06122033	05/02/06

#	Ref	Description	Drawing#	Date
37	62218--J4A		06122034	05/02/06
38	62219--HJ7		06122039	05/02/06
39	62220--EJ7		06122042	05/02/06
40	62221--J5		06122044	05/02/06
41	62222--J3		06122024	05/02/06
42	62223--J1		06122025	05/02/06
43	62224--K1		06122043	05/02/06
44	62225--K2		06122031	05/02/06
45	62226--R1G		06122010	05/02/06
46	62227--R2		06122070	05/02/06
47	62228--R4		06122022	05/02/06
48	62229--R5		06122027	05/02/06
49	62230--R6		06122040	05/02/06
50	62231--R7		06122059	05/02/06
51	62232--R8		06122058	05/02/06
52	62233--R9		06122029	05/02/06
53	62234--RR10		06122030	05/02/06
54	62235--RR11		06122071	05/02/06
55	62236--T1		06122007	05/02/06
56	62237--T2		06122038	05/02/06
57	62238--X1		06122045	05/02/06
58	62239--X2		06122049	05/02/06
59	62240--X3G		06122051	05/02/06
60	62241--XX4		06122055	05/02/06
61	62242--Z1		06122014	05/02/06
62	62243--Z2		06122017	05/02/06
63	62244--Z3		06122015	05/02/06
64	62245--Z4		06122013	05/02/06
65	62246--Z5		06122012	05/02/06
66	62247--Z6		06122020	05/02/06







17'3"8

22'3"

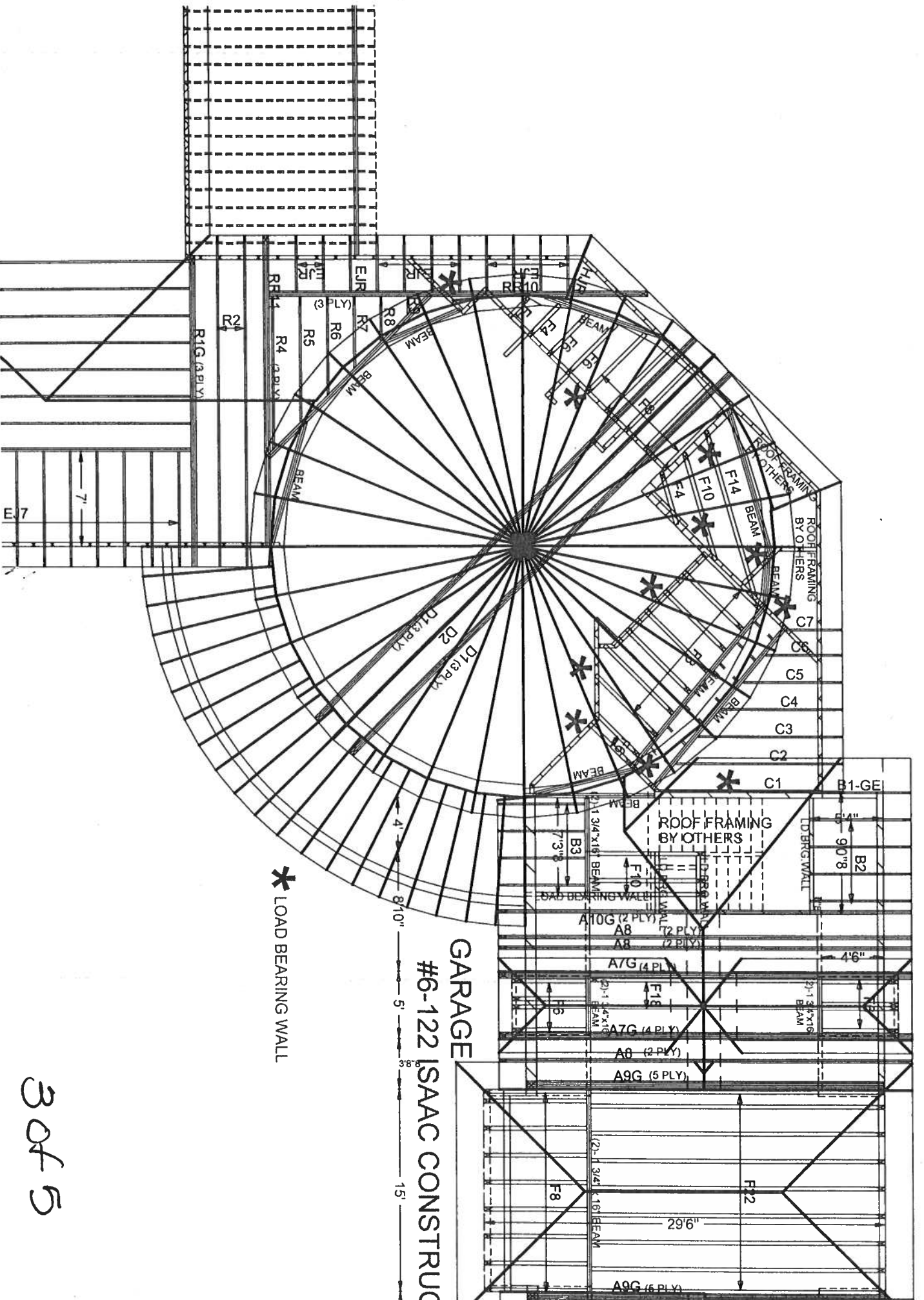
13'3"8

5'

3'8"

15'

59



GARAGE

#6-122 ISAAC CONSTRUCT

\* LOAD BEARING WALL

3045

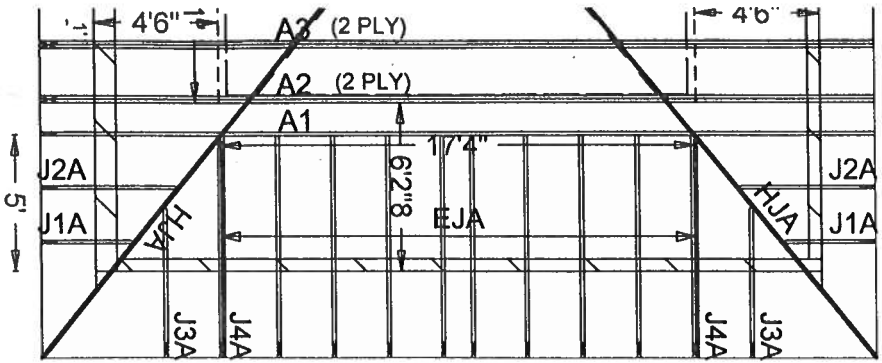






NY 4/10/06

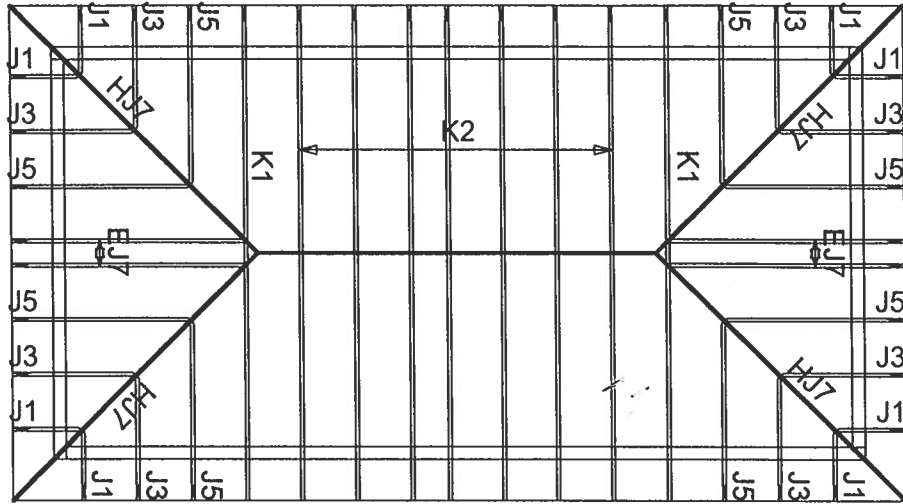
1" = 6'2"8"



1" = 6'2"8"

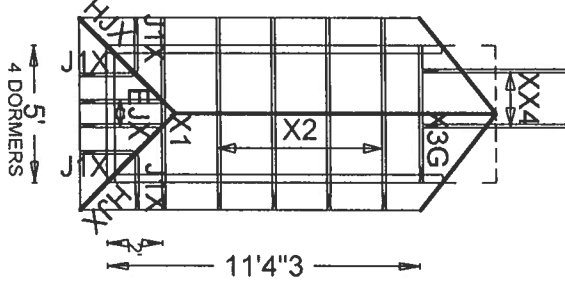
18'6" 26'4"

#6-122 ISAAC CONSTRUCTION - CADY



1" = 15'

7' 29'6"



11'4"3

4 DORMERS

5045



Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

End verticals exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Nailing Schedule: (12d\_Box or\_Gun\_(0.128"x3.25",\_min.)\_nails)

Top	Chord: 1	Row	@12:00 *	0.c.c.
Bot	Chord: 1	Row	@12:00 *	0.c.c.

Weds : 1 Row @ 4" O.C.  
Use equal spacing between rows and stagger nails  
in each row to avoid splitting.

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

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 4-5-8 to 21-9-8.



Design Crit: TPI-2002(STD)/FBC

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

7.24.1201  
QTY:1

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

Scale = .25" / Ft.

\*\*\*WARNING\*\*\*: ROSSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO ACES 1-30 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TP1 (TRUSS PULPIT INSTITUTE), 5893 D'ONOFIO DR., SUITE 200, MADISON, WI 53719, AND WICA (WOOD TRUSS 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 FLOOR CEILING.

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TP1. CONNECTOR PLATES ARE MADE OF 2018/1564 (U. S. A36) STEEL.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SO

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2

ARTHUR R. FISHER  
LICENSE  
No. 69867  
STATE OF  
NEW YORK  
PROFESSIONAL ENGINEER  
MAY 02 06

TC LL	30.0 PSF	REF	R487 - 62183
TC DL	15.0 PSF	DATE	05/02/06
BC DL	10.0 PSF	DRW	HCSR487 06122026
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN -	96053
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1SMV487 Z02

Top chord 2x8 SP SS :T2, T4 2x4 SP #2 Dense:  
Bot chord 2x4 SP #3  
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

End verticals exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

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

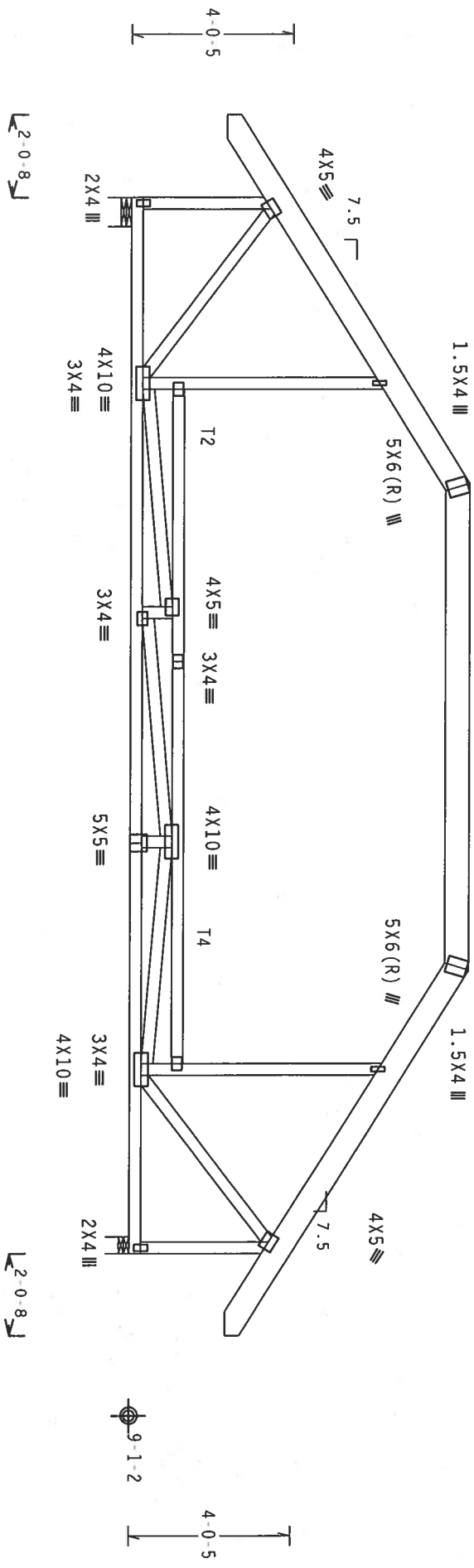
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

## 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.

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

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 4-5-8 to 21-9-8.



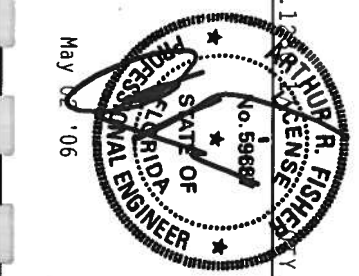
2'-0-8"  
7'-1-0  
4'-5-0  
7'-8-0  
0'-2-2-6-1-1-4-9-0  
2'-0-8"  
R-2907 U=180 W=8.75"  
26-3-0 Over 2 Supports  
R-2907 U=180 W=5"

PLT TYP. Wave  
Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7.24.10

**\*\*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 INSTITUTE, 563 D-OMORIO DR., SUITE 200, MADISON, WI 53719, AND WICA, 6300 TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGNER SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

ALPINE ENGINEERED PRODUCTS, INC.  
1950 Marley Drive  
Haines City, FL 33844  
Scale of 1/8" = 1'-0"



TC LL	30.0 PSF	REF	R487 - 62184
TC DL	15.0 PSF	DATE	05/02/06
BC DL	10.0 PSF	DRW	HCSR487 06122023
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT. LD.	55.0 PSF	SEQN-	96048
DUR. FAC.	1.25		
SPACING	24.0"	JRFF-	1SWV487 202

Webbs 2x4 SP #3

End verticals exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

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

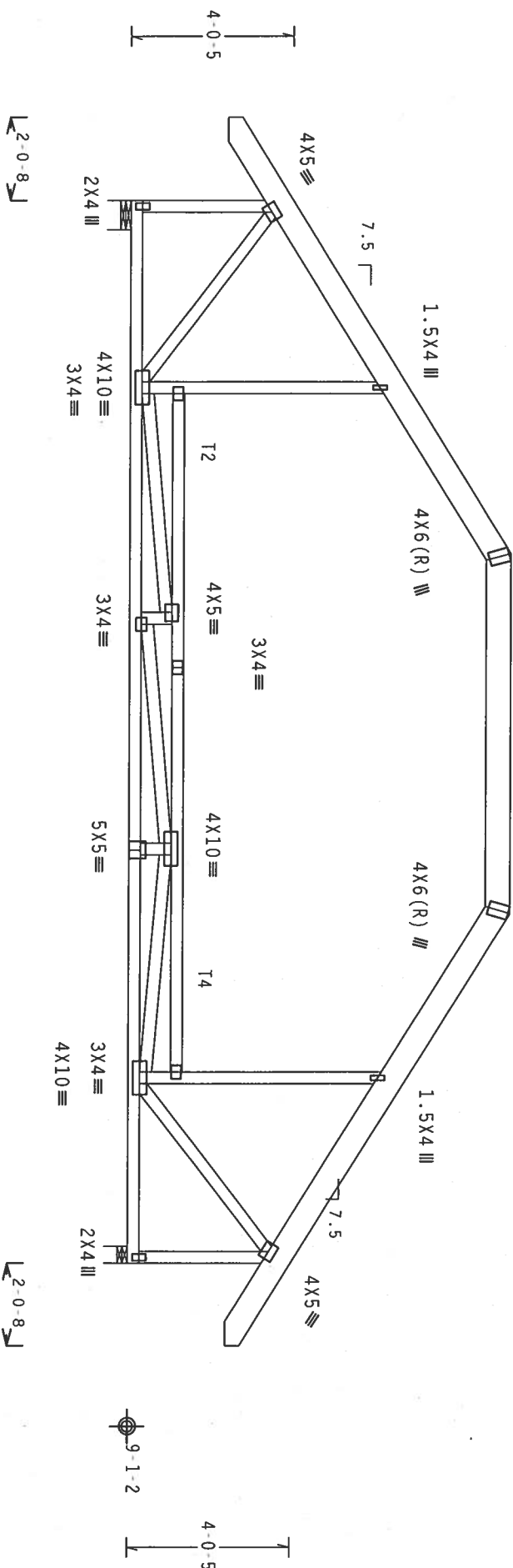
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Nailing Schedule: (12d Box or Gun (0.128"x3.25", min.)\_nails)  
@12" o.c.  
Top Chord: 1 Row

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

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

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 4-5-8 to 21-9-8.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

24.1

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

Scale = .25" / Ft.

\*WARNING: \*\*TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND PRACTICE. REFER TO GC51 1.00 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'ONOFIO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6200 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 TITDID CEILING.

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

TRUSS IN CONFORMANCE WITH TP1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACIN

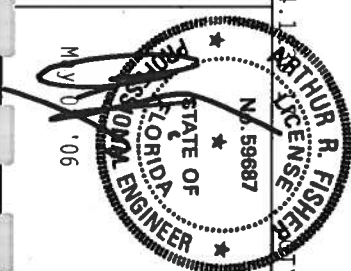
CONNECTOR PLATES ARE MADE OF 20/18/16GA (M.H/S/K) ASTM A653 GRADE 40/60 (M. K/H.S) GALV. STEEL. APPLY

PLATES TO EACH FACE OF CROSS 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 TP11-2002 SEC.3. A SEAL ON THIS

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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



TC LL	30.0 PSF	REF	R487 - - 62185
TC DL	15.0 PSF	DATE	05/02/06
BC DL	10.0 PSF	DRW	HCUSR487 06122067
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN -	96036
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1SWV487 Z02



\_\_\_\_\_ nails)

webs : 1 Row @ 4 0.C.  
Use equal spacing between rows and stagger nails  
in each row to avoid splitting.

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

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 4-5-8 to 21-9-8.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



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

**PROPERTY: 1**

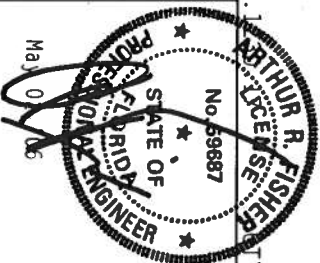
Scale = .1875"/Ft.

**WARNING:** THESE TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51-1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 580 D'ORLEANS DR., SUITE 200, MADISON, WI 53715, AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6200 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 TOP CHORD CEILING.

Alpine Engineered Products, Inc.

1950 Marley Drive  
Haines City, FL 33844  
Phone # 567

**\*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 & BRACING OF TRUSSES; DESIGN COMPLIANCE WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIAA) AND TPI. APPLY CONNECTOR PLATES ARE MADE OF 20/18/1604 (N/H/S/K) ASTM A663 GRADE 05/60 (4/6 K/H/S) GALV. STEEL. APPLY AN ALLOCATION OF LOADS AND STRESSES AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEER'S SEAL, DATE 11.11.2002 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.



TC LL	30.0 PSF	REF	R487 - 62186
TC DL	15.0 PSF	DATE	05/02/06
BC DL	10.0 PSF	DRW	HCUSR487 06122016
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN -	96042
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1SWV487 Z02

#### 4 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d\_Box\_or\_Gun\_(0.128"x3.25",\_min.)\_nails)  
 Top Chord: 1 Row @ 4.00" o.c.  
 Bot Chord: 1 Row @ 5.75" o.c.

Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting. In addition apply (1) 1/2" bolt at each bottom chord joint location.

110 mph wind, 15.26 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

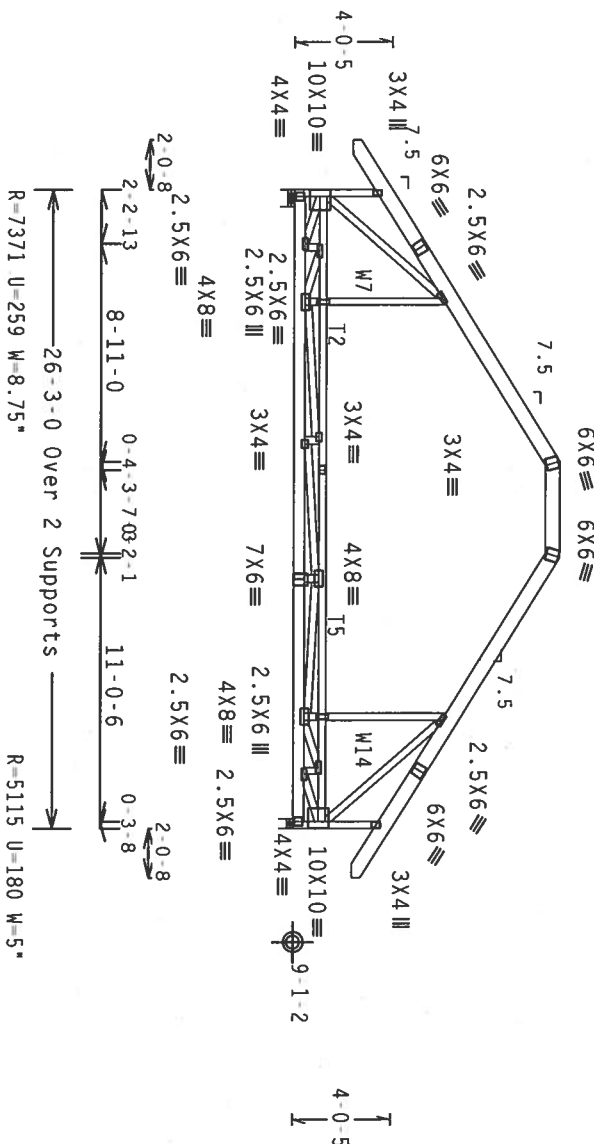
End verticals exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

Calculated horizontal deflection is 0.11" due to live load and 0.18" due to dead load.

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

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

Deflection meets  $L/360$  live and  $L/240$  total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

$$Cq/RT=1.00(1.25)/10(0) \quad 7.24$$

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

Scale = .125"/Ft.

\*WARNING--TRUSSES REQUIRE EXPERTISE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51-10 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, MI 48131) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE IN MADISON, MI 52719) 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.

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

TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIAA) AND TPI. ALPINE

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z

Alpine Engineered Products, Inc.

Haines City, FL 33844  
 P.O. Box 567

CALL 01 A 10 H 20 /

FL/-/4/-/-R/-		Scale = .125"/Ft.
TC LL	30.0 PSF	REF R487 - 62187
TC DL	15.0 PSF	DATE 05/02/06
BC DL	10.0 PSF	DRW HCURS487 0612205
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 96009
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SWV487 Z02



Webs 2x4 SP #3

End verticals exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

In lieu of structural panels use purtins to brace TC @ 24" OC.  
BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 4-5-8 to 21-9-8.

Calculated horizontal deflection is 0.13" due to live load and 0.18" 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. Creep increase factor for dead load is 1.50.

5X8(R)  $\parallel$

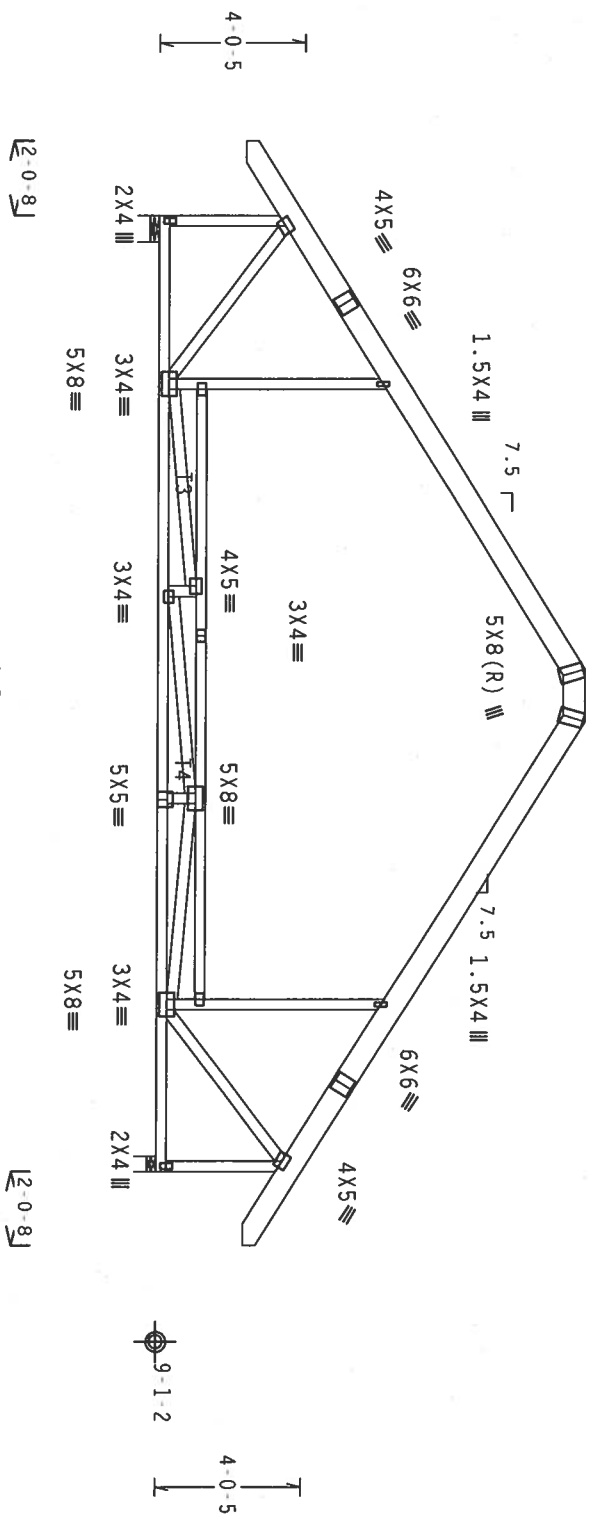
Nailing Schedule: (12d\_Box\_or\_Gun\_(0.128"x3.25",\_min.)\_nails)

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

Calculated horizontal deflection is 0.13" due to live load and 0.18" 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. Creep increase factor for dead load is 1.50.



26-3-0 Over 2 Supports  $\overleftrightarrow{\hspace{10em}}$

R=2907 U=180 W=8.75" R=2907 U=180 W=5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.24.13  
FL/-/4/-/-/R/-

Scale = .1875"/Ft.

\*\*\*WARNING\*\*\*: PRIORS RESIDUE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND DRACING. REFER TO BC51 1-3 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPI (TRUSS PLATE INSTITUTE, 583 D'ONOFIO 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 TIGHT CEILING.

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

**TRUSS IN CONFORMANCE WITH TPI:**


DESIGN COMPLY WITH APPLICABLE PROVISIONS OF SDS (NATIONAL DESIGN SPEC., 81 ALPHA) AND IP11 CONNECTOR PLATES ARE MADE OF 20/18/16GA (N·M/S/K) ASTM A653 GRADE 40/50 (N·K/H-S) GALV. S.

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 REPEATED AS OF THE 2000 ETC

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

**BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.**

\_\_\_\_\_



Alpine Engineered Products, Inc.  
1950 Miami Drive  
Haines City, FL 33844  
Phone # 567

\_\_\_\_\_

Scale = .1875"/Ft.	
FL / 4 - / R -	
TC LL 30.0 PSF	REF R487 - - 62189
TC DL 15.0 PSF	DATE 05/02/06
BC DL 10.0 PSF	DRW HCURS487 06122019
BC LL 0.0 PSF	HC-ENG JB/AF
TOT.LD. 55.0 PSF	SEON- 96024
DUR.FAC. 1.25	
SPACING 24.0"	JREF- 1SMV487 Z02

## 5 COMPLETE TRUSSES REQUIRED

Bolt Chord: 1 Row @ 3.75" O.C.  
 Webs : 1 Row @ 4" O.C.  
 Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting. In addition apply (1) 1/2" bolt at each bottom chord joint location.

End verticals exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

Calculated horizontal deflection is 0.16" due to live load and 0.27" due to dead load.

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

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

(\*\*) Plate relocated as shown.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC

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

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

Scale = .125"/Ft.

\*WARNING\* ALL FRAMES REQUIRING EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND DRACING. REFER TO ACES 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TITUS PASTE INSTITUTE, 568 O'CONNOR DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PERTAIN TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED DECK CEILING.

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AISC) AND TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

CONNECTOR PLATES ARE MADE OF 20/18/16GA (T/H/S) ASTM A653 GRADE 40/60 (M. K/H/S) GALV. STEEL. APPLICATIONS WITH ELECTRICAL PROTECTIONS OR NOS (NON-IONIC) SECTION SHALL BE OF ALUMINUM AND IT IS 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 ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

1-17-07

ARTHUR R. FISHER  
No. 59867  
STATE OF MICHIGAN  
PROFESSIONAL ENGINEER  
May 1, 1906

TC LL	30.0 PSF	REF	R487 - 62190
TC DL	15.0 PSF	DATE	05/02/06
BC DL	10.0 PSF	DRW	HCUSR487 06122021
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	96107
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SMV487 Z02



Top chord 2x8 SP SS :T3, T4 2x4 SP #2 Dense:  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

## 2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Box or Gun (0.128"x3.25", min.) nails)  
Top Chord: 1 Row @10.75" 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, 15.65 ft mean hgt, ASCE 7-02, CLOSED bldg, not located  
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, Wind  
BC DL=5.0 psf.

End verticals exposed to wind pressure. Deflection meets L/240  
criteria for brittle and flexible wall coverings.

Calculated horizontal deflection is 0.12" due to live load and 0.24"  
due to dead load.

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

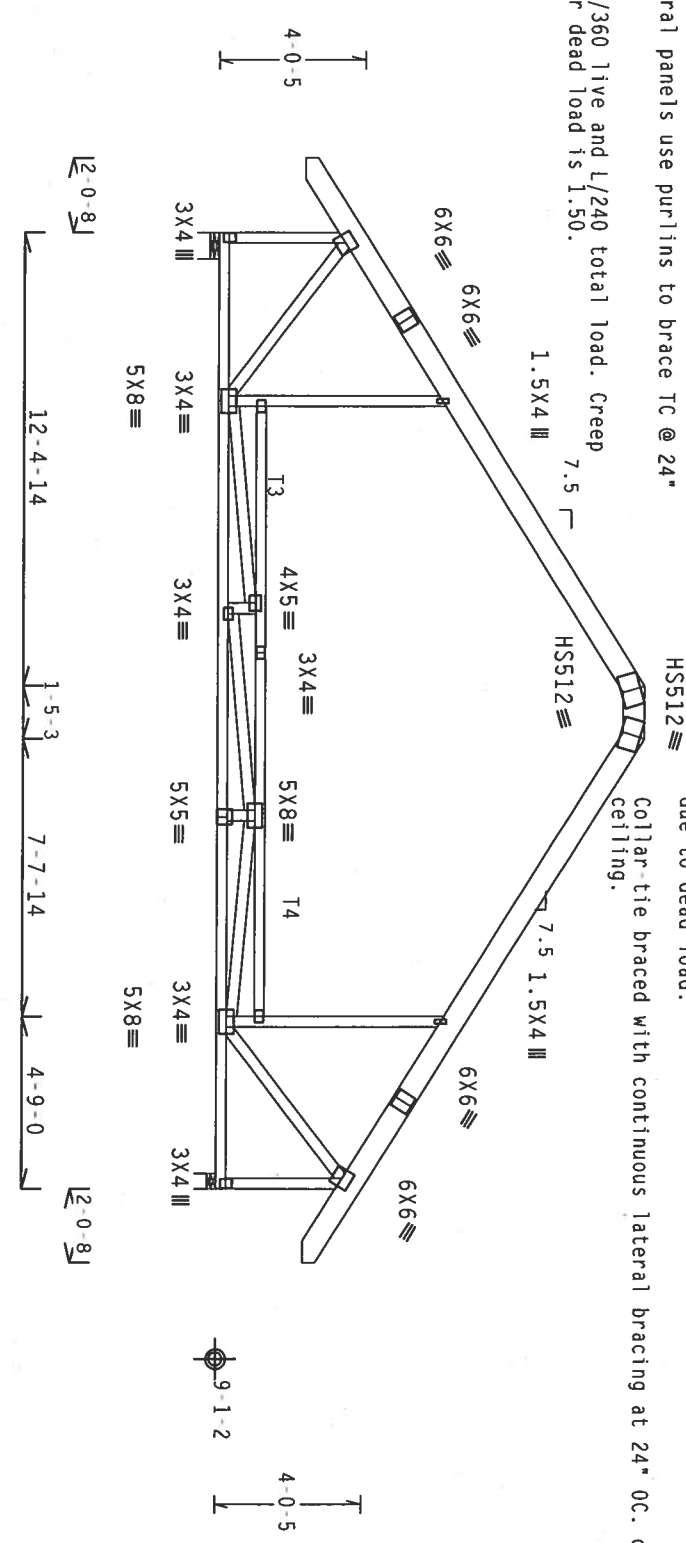
SPECIAL LOADS

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

TC - From	197 PLF at -2.04 to 197 PLF at 4.46
TC - From	220 PLF at 4.46 to 220 PLF at 5.61
TC - From	280 PLF at 5.61 to 280 PLF at 20.77
TC - From	220 PLF at 20.77 to 220 PLF at 21.79
TC - From	197 PLF at 21.79 to 197 PLF at 28.29
BC - From	5 PLF at -2.04 to 5 PLF at 0.00
BC - From	20 PLF at 0.00 to 20 PLF at 4.46
BC - From	120 PLF at 4.46 to 120 PLF at 21.79
BC - From	20 PLF at 21.79 to 20 PLF at 26.25
BC - From	5 PLF at 26.25 to 5 PLF at 28.29
BC -	120 LB Conc. Load at 4.46, 21.79

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

Deflection meets L/360 live and L/240 total load. Creep  
increase factor for dead load is 1.50.



PLT TYP. 20 Gauge HS,Wave

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

FL/-/4/-/R/-

Scale = .1875"/ft.

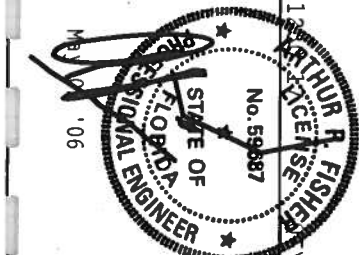
**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFIO DR., SUITE 200, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIAA) AND TPI. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN, POSITION PER DRAWINGS 160A, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

ALPINE

Alpine Engineered Products, Inc.  
1990 Marley Drive  
Haines City, FL 33844  
Phone #567

Scale of 1/4" = 1'-0"



TC LL	30.0 PSF	REF R487-- 62191
TC DL	15.0 PSF	DATE 05/02/06
BC DL	10.0 PSF	DRW HCUR487 06122041
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEON- 96062
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SWV487 202

ממק. בי אלווערענע (אומענעמטע) און פארפאסטע שטענענדיג.

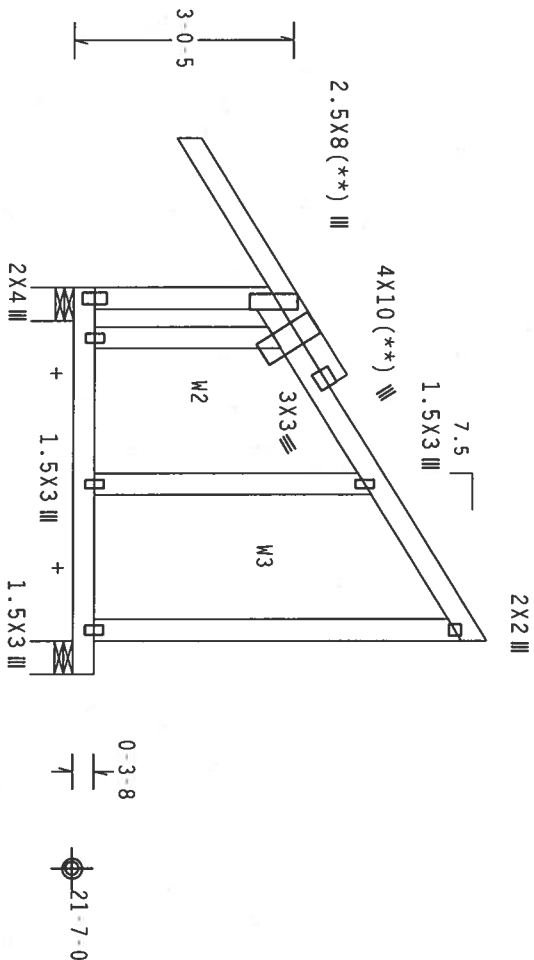
110 mph wind, 25.31 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

In lieu of structural panels use purlins to brace TC @ 24" OC. Fasten rated sheathing to one face of this frame.

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

BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.



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

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

7.24.12

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

Scale = .375"/Ft.

**\*WARNING:** THESE TRUSSES REQUIRE EXPERT CARE IN FABRICATION, HANDLING, SHIPPING AND BRACING. REFER TO DCS-1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 503 D'ONORIO RD., SUITE 200, MADISON, WI 53719, AND WCA (WOOD FRASS 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 TOP 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'S OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.**

CONNECTION PLATES TO EACH FACE OF BRISSES AND UNLESS OTHERWISE LOCATED ON THIS DESIGN POSITION PER DRAWINGS 160A-2 PLATES TO EACH FACE OF BRISSES 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 TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY 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/7P1 1 SEC. 2.



22  
 ARTHUR R. FISHER  
 No. 55687  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER  
 May 06 '06

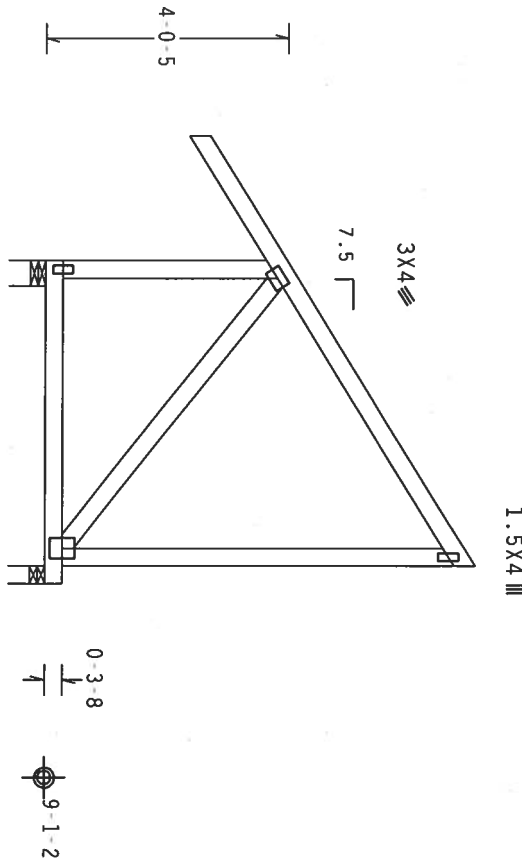
FL/-/4/-/-/R/-		Scale = .375"/Ft.
TC LL	30.0 PSF	REF R487 - 62192
TC DL	15.0 PSF	DATE 05/02/06
BC DL	10.0 PSF	DRW HCURS487 06122050
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEON - 149642 REV
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SWV487 202

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

Left end vertical exposed to wind pressure. Deflection meets L/240  
criteria for brittle and flexible wall coverings.  
Deflection meets L/360 live and L/240 total load. Creep increase factor  
for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located  
anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0  
psf.

Right end vertical not exposed to wind pressure.  
In lieu of structural panels use purlins to brace TC @ 24" OC.

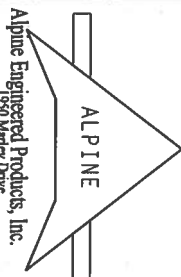


≤2-0-8  
≤5-3-8 over 2 Supports  
R=549 U=180 W=5"  
R=264 U=180 W=3.5"

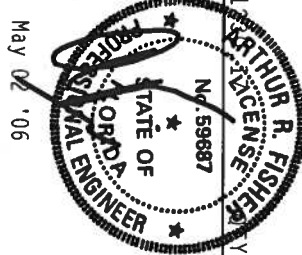
PLT TYP. Wave  
Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7.24.1

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, UNLOADING AND BRACING. REFER TO BC31-1.03 (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY THE BUILDING OFFICIALS OF AMERICA, 6300 EXETER RD., MONROE, LA 70609, (504) 335-1111, 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, UNLOADING AND BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AREA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W.H/S/K ASTM A653 GRADE 40/60 (W. K/H.S) GALV. STEEL. APPLY LATCHES TO EACH END OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PRODUCTION. 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.  
1990 Marley Drive  
Haines City, FL 33844  
Phone # 567



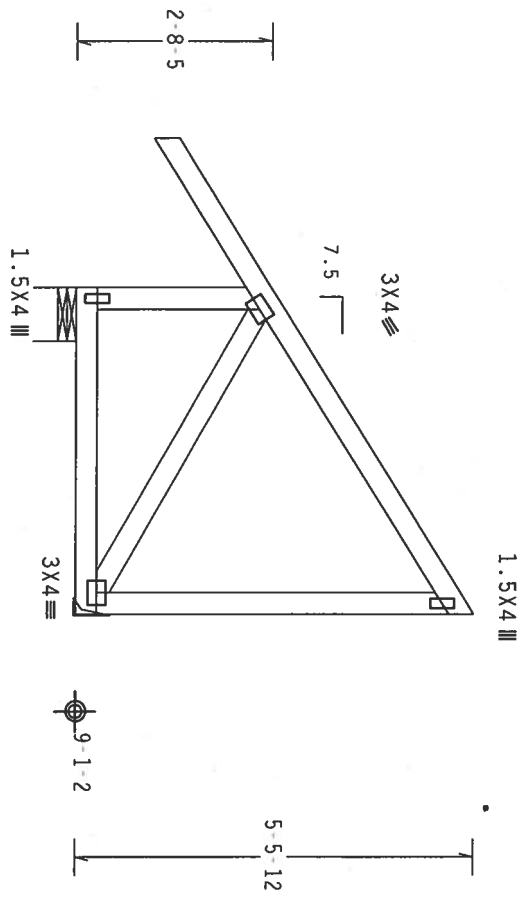
FL/-/4/-/R/- Scale = .3125"/ft.

TC LL	30.0 PSF	REF	R487--	62193
TC DL	15.0 PSF	DATE	05/02/06	
BC DL	10.0 PSF	DRW	HCUSR487	06122047
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	55.0 PSF	SEQN-	95879	
DUR.FAC.	1.25			
SPACING	24.0"	JRFF-	1SWV487	202

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

Left end vertical exposed to wind pressure. Deflection meets L/240  
Criteria for brittle and flexible wall coverings.  
In lieu of structural panels use purlins to brace TC @ 24" OC.  
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt. ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.  
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.



4-5-8 Over 2 Supports  
R=508 U=180 W=8.75"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10.00

R=210 U=180 H-Simpson LU24  
W/ (2) 10d, 0.148"x1.5" nails in Truss  
W/ (4) 10d Common, 0.148"x3.0" nails in Girder  
Girder is (2)2X6 min. So

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

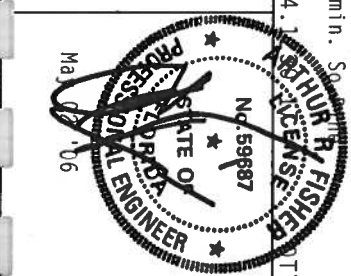
Scale = .375"/ft.

ALPINE

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

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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 AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 20/16/16GA (W/H/3/2) ASTM A653 GRADE 40/50 (W. K/H/5) GALV. STEEL. APPLY TO ALL TRUSS AND GIRDER CONNECTIONS. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF THIS TRUSS AND BRACING SHALL BE DONE BY A QUALIFIED PERSONNEL. A SEAL OR THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



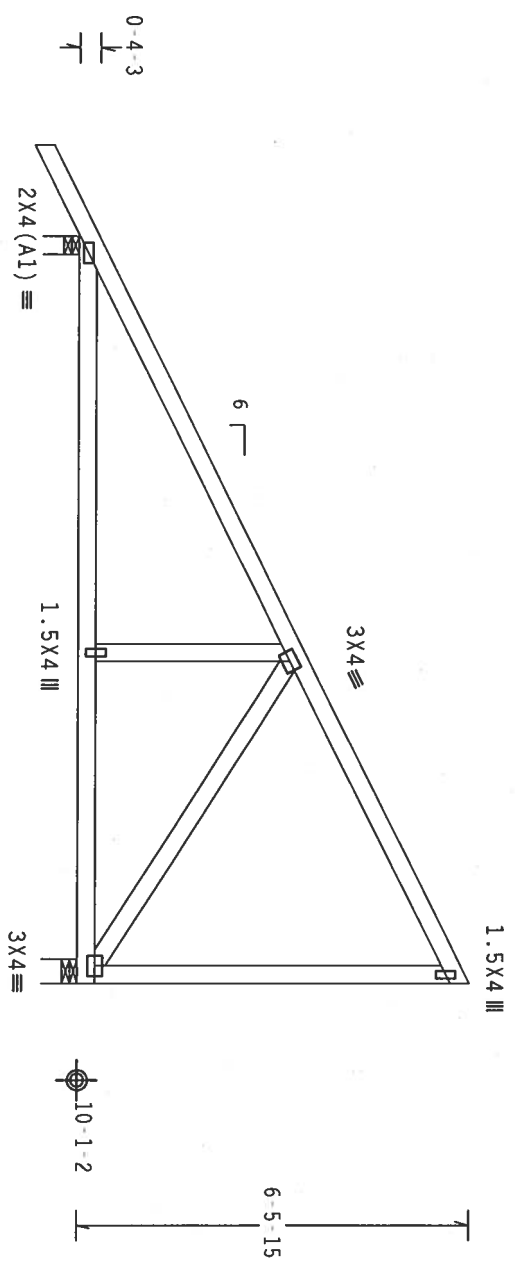
TC LL	30.0 PSF	REF R487 - - 62194
TC DL	15.0 PSF	DATE 05/02/06
BC DL	10.0 PSF	DRW HCUSR487 06122048
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEON- 95874
DUR.FAC.	1.25	
SPACING	24.0"	
JREF- 1SWV487 202		

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

In lieu of structural panels use purlins to brace TC @ 24" OC.  
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.



L1-6-0

R-864 U=180 W=3.5"  
R-679 U=180 W=4.958"

PLT TYP. Wave  
Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7.24.12

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE NATIONAL BUILDING TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE RD., 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.

ALPINE  
Alpine Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844  
Phone # 887



TC LL	30.0 PSF	REF	R487--	62195
TC DL	15.0 PSF	DATE	05/02/06	
BC DL	10.0 PSF	DRW	HCSR487	06122068
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT. LD.	55.0 PSF	SEQN-	100608	
DUR. FAC.	1.25			
SPACING	24.0"	JREF-	1SWV487	202

Scale = .3125"/ft.

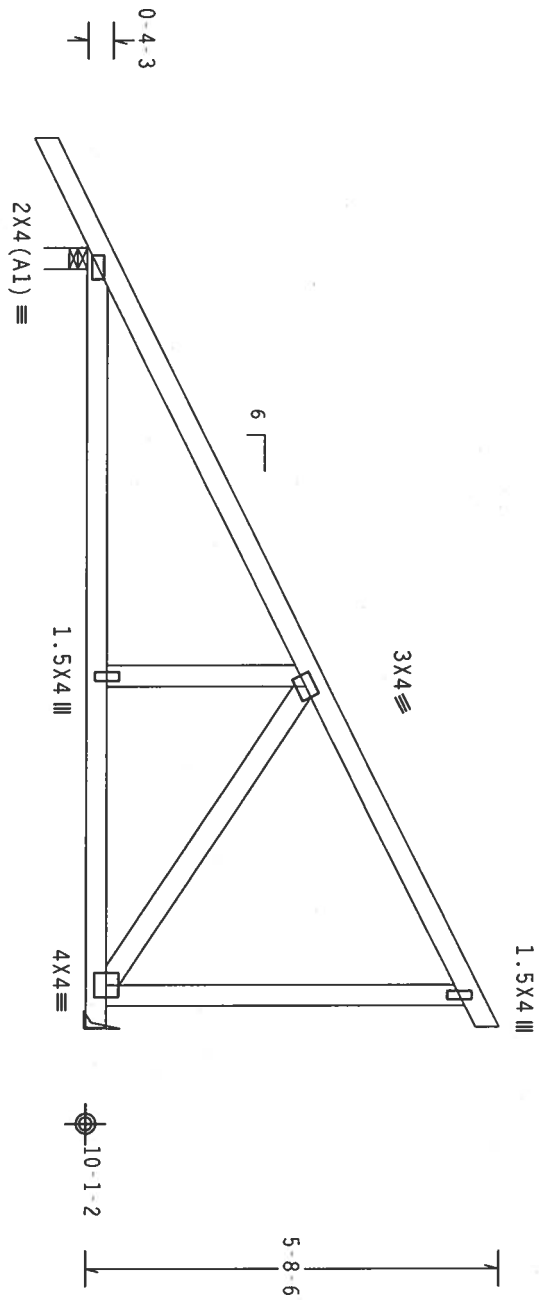


Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

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.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

In lieu of structural panels use purlins to brace TC @ 24" OC.  
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

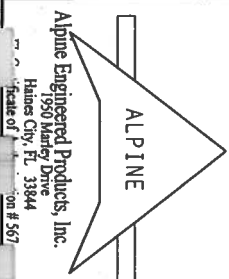
R-765 U=180 W-3.5"  
10-8-7 Over 2 Supports  
Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7.24

R-597 U-180 H-Simpson LUS24  
W/ (2) 10d Common, 0.148"x3.0" nails in Truss  
W/ (1) 10d Common, 0.148"x3.0" nails in Girder  
min. So. pine  
TY:1 FL/-/4/-/R/-  
Scale = .375"/ft.

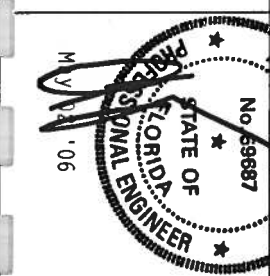
**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO THE MANUFACTURER'S INSTRUCTIONS FOR PROPER HANDLING AND BRACING. MAISON, WI 53791, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*IMPORTANT\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/10/16GA (W/H/S) ASTM A653 GRADE 40/60 (W, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, 2.

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



Alpine Engineered Products, Inc.  
Haines City, FL 33944  
Phone 888-333-3333  
Fax 888-333-3333  
Web www.alpineeng.com #567

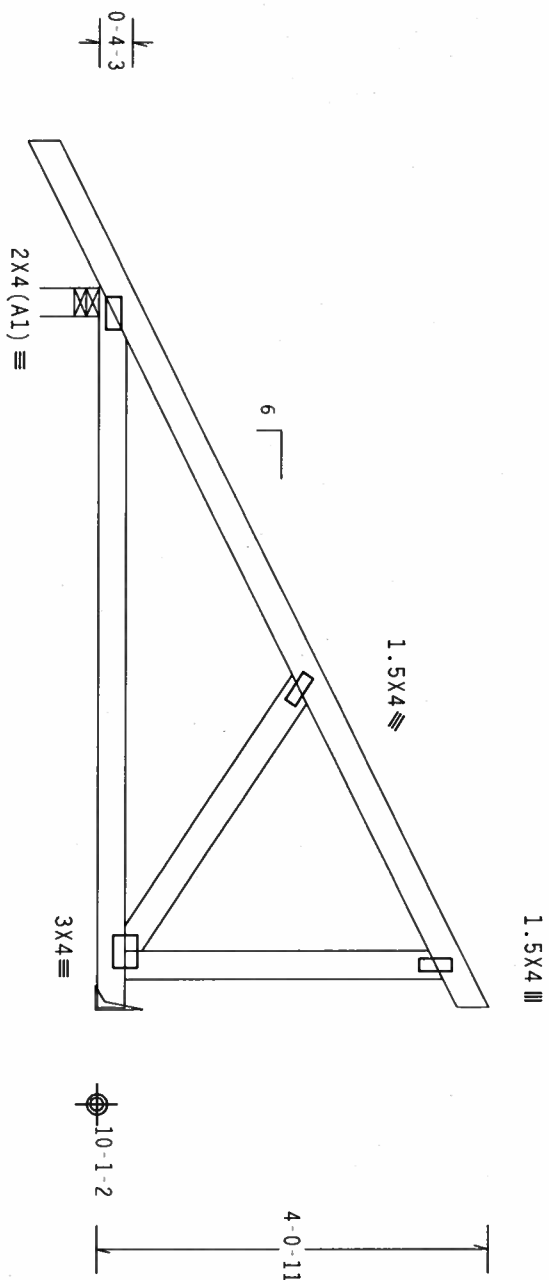


TC LL	30.0 PSF	REF R487-- 62196
TC DL	15.0 PSF	DATE 05/02/06
BC DL	10.0 PSF	DRW HCUR487 06122069
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 100630
DUR.FAC.	1.25	
SPACING	24.0"	JRFF- 1SWV487 202



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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



7-5-0 Over 2 Supports  $\longleftrightarrow$

$R=577 \quad U=180 \quad W=3.5"$   $R=413 \quad U=18$

Design Crit: TPI-2002(STD)/FBC

$$\frac{C_q}{RT} = 1.00(1.25)/10(0)$$

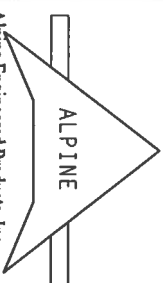
7.24.1

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

Scale = .5"/Ft.

\*\*\*WARNING\*\*\* FRAMES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPI (TRUSS PLATE INSTITUTE, 563 D'ONOFIO DR., SUITE 200, MOHAWK, MI 53119) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MOHAWK, MI 53179) 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.

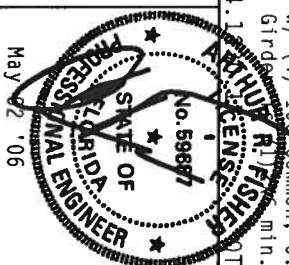
Alpine Engineered Products, Inc.



1950 Marley Drive  
Haines City, FL 33844  
Scale of 1" = 100' on #567

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

ALPINE ENGINEERED



R=413 U=180 H=Simpson LU24  
w/ (2) 10d, 0.148"x1.5" nails in Truss  
w/ (4) 10d Common, 0.148"x3.0" nails in Girder  
Girder 11' x 11' min. So Pine

TC LL	30.0 PSF	REF	R487 - 62198
TC DL	15.0 PSF	DATE	05/02/06
BC DL	10.0 PSF	DRW	H05R487 06122062
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	100660
DUR.FAC.	1.25		
SPACING	24.0"	JRFF-	15WV487 202

110 mph wind, 15.00 ft mean ht, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

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



R=495 U=180 W=3.5

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

EXPENSE

FL/4/-/-/R/-

Scale = .5" / Ft.

\*"WARNING" TRUSSES REQUIRE EXTERIOR CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RC61 1-103 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATING INSTITUTE), 503 O'CONNOR DR., SUITE 200, MADISON, WI 53719, AND WCA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LN., MADISON, WI 53719, FOR SAFETY PRACTICES RELATIVE TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED TIGHTENING BAND. ALL TRUSSES SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED TIGHTENING BAND.

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

TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN CODE BY AREA AND JOINT

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2.

**Alpine Engineered Products, Inc.**

1950 Manley Drive  
Haines City, FL 33844

Scale of 1 to 5  
on # 567

on # 567



1

10

SEALING

0.4.0

1

CRF

1974 AMST

207

1

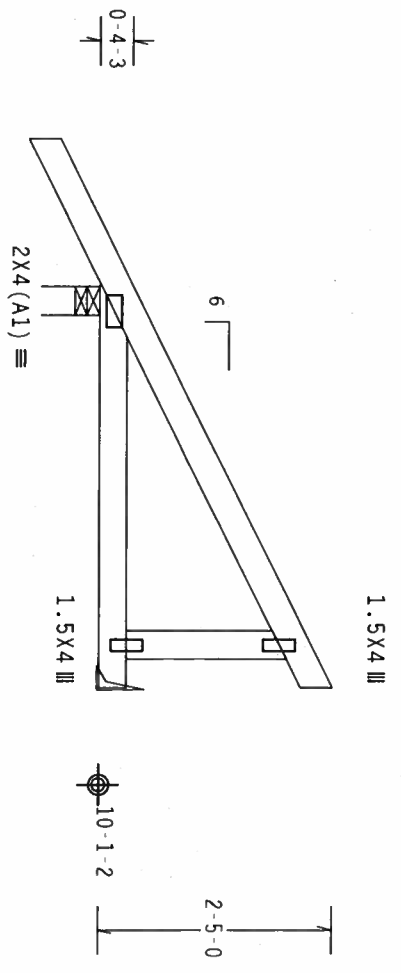
( 6 122 Isaac Construction Cady . \*\* C6 )

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 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 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.

In lieu of structural panels use purlins to brace TC @ 24" OC.  
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



← 1-6-0 0-0-3  
← 4-1-10 Over 2 Supports →

R=410 U=180 W=3.5"

R=206 U=180 H=Simpson LU24  
W/ (2) 10d, 0.148"x1.5" nails in Truss  
W/ (4) 10d Common, 0.148"x3.0" nails in Girder  
Girder is (1) 2X6 min. So Pine

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7.24

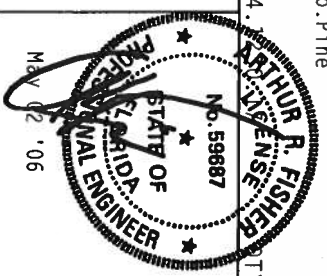
Scale = .5"/ft.

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SUPPORTING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSSES, INC., 1000 ENTERPRISE DR., O'CONNOR DR., SUITE 200, MADISON, WI 53719, AND NCA (NATIONAL TRUSS COUNCIL OF AMERICA, 6300 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 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 AREA) AND TPI. ALPINE

ALPINE

Alpine Engineered Products, Inc.  
1990 Marley Drive  
Haines City, FL 33944  
Certificate of Approval #507



FL/-/4/-/-/R/-	Scale = .5"/ft.
TC LL 30.0 PSF	REF R487-- 62200
TC DL 15.0 PSF	DATE 05/02/06
BC DL 10.0 PSF	DRW HCUR487 06122064
BC LL 0.0 PSF	HC-ENG JB/AF
TOT.LD. 55.0 PSF	SEQN- 100677
DUR.FAC. 1.25	
SPACING 24.0"	JREF- 1SWV487 202

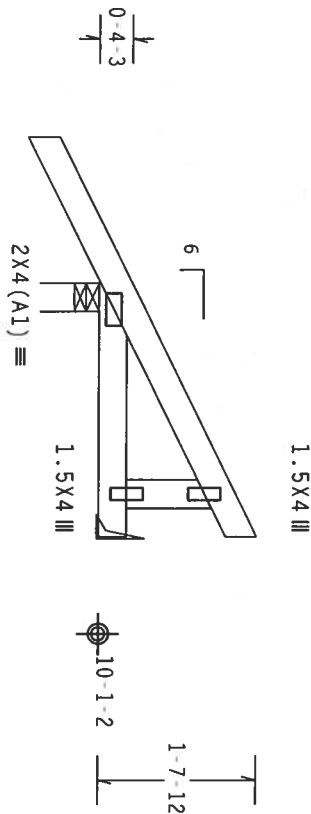


Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

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.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

In lieu of structural panels use purlins to brace TC @ 24" OC.  
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



R-357 U-180 W-3.5"

R-85 U-180 H-Simpson LU24  
W/ (2) 10d, 0.148"x1.5" nails in Truss  
W/ (4) 10d Common, 0.148"x3.0" nails in Girder  
Girder is (1)2x6 min. So.Pine

PLT TYP. Wave

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



FL/-/4/-/R/-

Scale = .5"/ft.



Alpine Engineered Products, Inc.  
Haines City, FL 33844  
1990 Marley Drive  
State of Florida  
#567

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RC31.1.03 (BUILDING COMPONENT SAFETY THROUGH TRUSS COUNCIL OF AMERICA, 1990) FOR ADDITIONAL INFORMATION. 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 AREA) AND TPI. ALPINE PLATES TO EACH FACE OF TRUSSES AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ALL TRUSSES SHALL BE PLACED ON A SLOPE OF 1/4" PER 1" MIN. AS PER ANNEAL 3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

TC LL	30.0 PSF	REF	R487-- 62201
TC DL	15.0 PSF	DATE	05/02/06
BC DL	10.0 PSF	DRW	HCUSR487 06122066
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	100684
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SWV487 202

Top chord 2x6 SP #1 Dense  
Bot chord 2x8 SP #1 Dense  
Webs 2x4 SP #3

110 mph wind, 22.89 ft mean hgt, ASCE 7-02, CLOSED bldg, located  
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

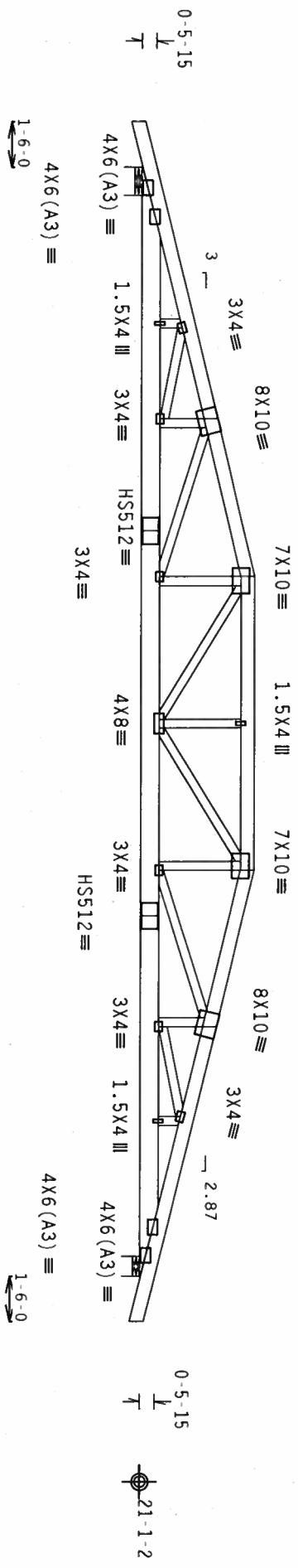
In lieu of structural panels use purlins to brace TC @ 24" OC.

Deflection meets L/360 live and L/240 total load. Creep increase factor  
for dead load is 1.50.

THE ARCHITECT OR ENGINEER OF RECORD SHALL EVALUATE  
AND APPROVE LOAD MAGNITUDES AND LOCATIONS FROM AREAS  
FIELD FRAMED BY OTHERS.  
TRUSS ENGINEER IS NOT RESPONSIBLE FOR LOAD MAGNITUDES  
AND LOCATIONS FROM CONVENTIONAL FRAMING.

### 3 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Box or Gun (0.128"x3.25", min.) nails)  
Top Chord: 1 Row @ 8.00" o.c.  
Bot Chord: 1 Row @ 12.00" o.c.  
Webs : 1 Row @ 4" o.c.  
Repeat nailing as each layer is applied. Use equal spacing  
between rows and stagger nails in each row to avoid splitting.  
Girder supports 16-8-0 span to TC/BC split one face and 2-0-0 span to  
TC/BC split opposite face.



4x6(A3) = 3x4 = HS512 = 4x8 = 1.5x4 III = 7x10 = 8x10 = 1.5x4 III = 7x10 = 8x10 = 3x4 = 1.5x4 III = 4x6(A3) =

8-3-12 5-2-8 9-8-9 5-2-8 8-3-12

36-9-1 Over 2 Supports

R=7010 U=1207 W=11.298\*

R=7010 U=1207 W=8.035\*

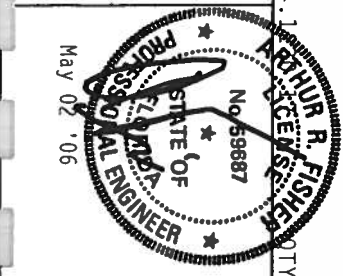
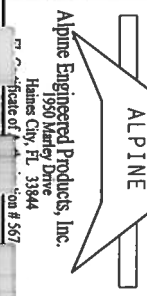
PLT TYP. 20 Gauge HS, Wave

Design Crit: TPI-2002(STD)/FBC

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

\*\*\*WARNING\*\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING.  
REFER TO BCSP 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 563  
D'ONOFIO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 5300 ENTERPRISE LN,  
MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED,  
TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED  
RIGID CEILING.

\*\*\*IMPORTANT\*\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED  
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE  
TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.  
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE  
PLATES, JOISTS AND PURLINS ARE MADE OF 20/18/16GA (W/H/S/S) ASTM A653 GRADE 40/60 (W, K/H/S) GALV. STEEL. APPLY  
PLATES TO BOTTOM OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 160A 2.  
ALPINE ENGINEERED PRODUCTS, INC. (T) SHALL BE PERMANENTLY LOCATED ON THIS DESIGN. A SEAL OR THIS  
DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE  
BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF R487-- 62202
TC DL	10.0 PSF	DATE 05/02/06
BC DL	10.0 PSF	DRW HCUSR487 06122011
BC LL	0.0 PSF	HC-ENG UB/AF
TOT.LD.	40.0 PSF	SEON- 100783
DUR.FAC.	1.25	
SPACING	24.0"	JRFF- 15WV487 202

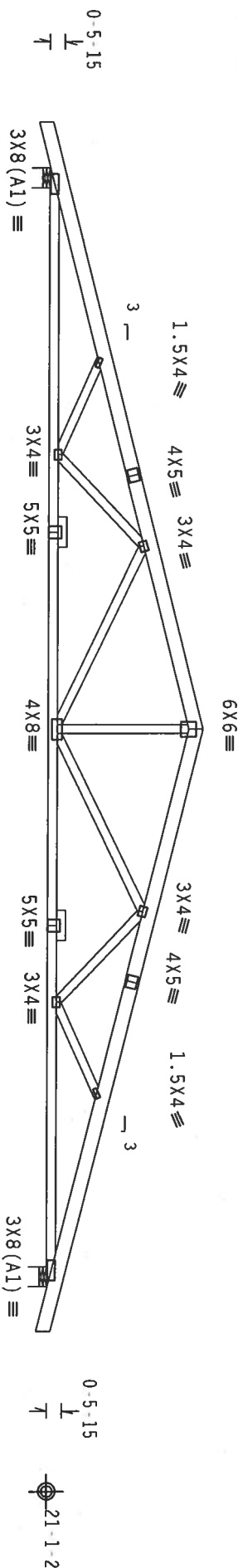
Top chord 2x6 SP #1 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

:Lt Splice Block 2x4 SP #3::Rt Splice Block 2x4 SP #3:

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 23.71 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

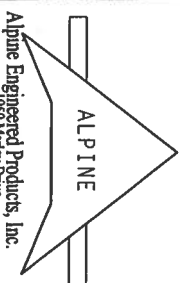
7.24.12

FL/-/4/-/R/-

Scale = .1875"/ft.

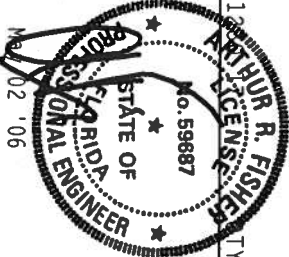
\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSSES, 1000 ENTERPRISE LN., MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE 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 THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S) ASTM A553 GRADE 40/60 (W. K/H/S) GALV. STEEL. APPLY ANY INSPECTION OF THIS TRUSS AND BE SURE THAT THE TRUSS IS BUILT TO THE DESIGN. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING DESIGN BY THE SOCIETY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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

State of Florida License #567

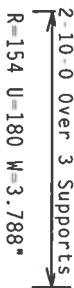


TC LL	20.0 PSF	REF R487 -- 62203
TC DL	10.0 PSF	DATE 05/02/06
BC DL	10.0 PSF	DRW HCUSR487 06122009
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEON- 100790
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SWV487 202

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

Hipjack supports 2-0-1 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.



Scale = .5" / Ft.

CONNECTION PLATES ARE MADE OF 201/18/10/4 (M 1/5/3/1) A316 A053 GRADE 40/60 (M. K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OR PROCEEDING. OTHERWISE, APPROVAL OF THE PROJECT SHALL BE FOR THE TRUSS CONNECTIONS.

1950 Manley Drive  
Haines City, FL 33844

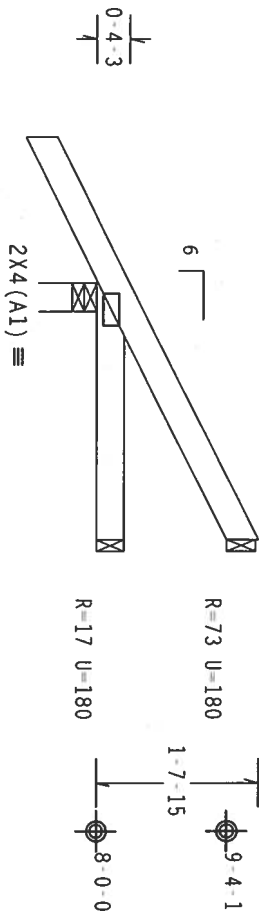
On # 567

FL/-4/-1/R/-		Scale =.5"/Ft.
TC LL	30.0 PSF	REF R487 - 62204
TC DL	15.0 PSF	DATE 05/02/06
BC DL	10.0 PSF	DRW HCUR487 06122060
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 100598
DUR.FAC.	1.25	
SPACING	24.0"	JREF - 1SWV487 202

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

Deflection meets  $L/360$  live and  $L/240$  total load. Creep increase factor for dead load is 1.50.

Deflection meets  $L/360$  live and  $L/240$  total load. Creep increase factor for dead load is 1.50.



1-6-0

2-7-9 Over 3 Supports  
R=349 U=180 W=3.5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.24.12

TY:11 FL/-/4/-/-/R/-

Scale = .5"/Ft.

\*WARNING: ALL TRUCKS REQUIRE EXPERIENCE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND DRAGGING. REFER TO BC51-1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPII, CRISTALL PLATE INSTITUTE, 503 D'ONOFRIO RD., SUITE 200, MIDLAND, MI 48719 AND NICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MIDLAND, MI 48719) FOR SAFETY PRACTICES PRIOR TO REENGINEERING 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.**

TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

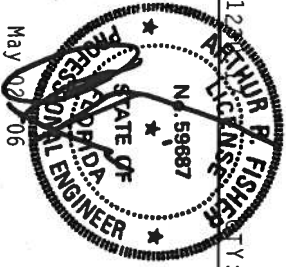
CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S,K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS

SHOWING INDIVIDUAL ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE CROSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNER.

BUILDING DESIGNER PER ANSI/ISO 1 SEC. 2.

Alpine Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844  
Scale of 1" = 10' in # 567



TC LL	30.0 PSF	REF	R487 - 62205
TC DL	15.0 PSF	DATE	05/02/06
BC DL	10.0 PSF	DRW	HCUSR487 06122018
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN -	100523
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1SWV487 202



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

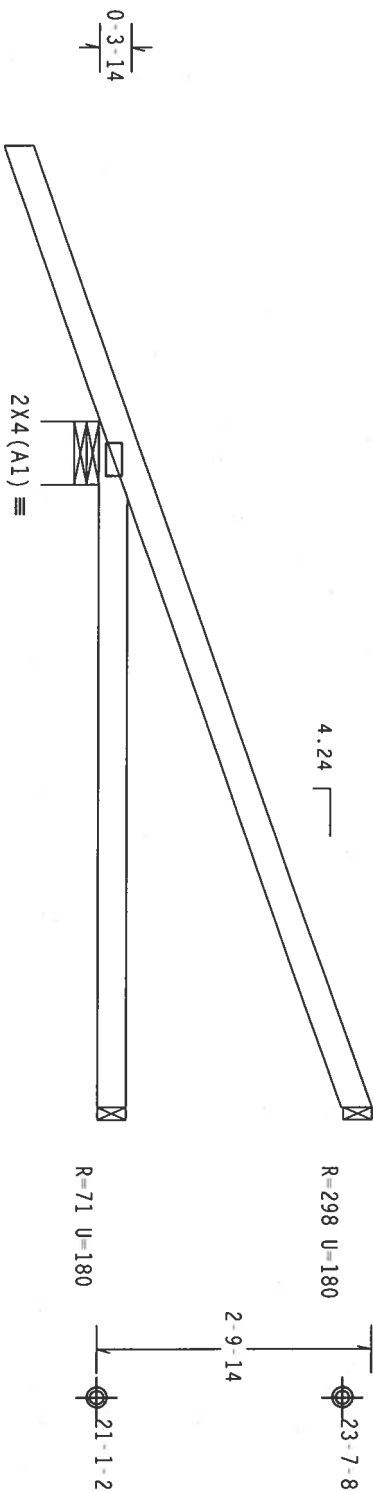
In lieu of structural panels use purlins to brace TC @ 24" OC.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 22.17 ft mean hgt. ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

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

Provide ( 3 ) 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.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.24.

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. RIGID CEILING. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

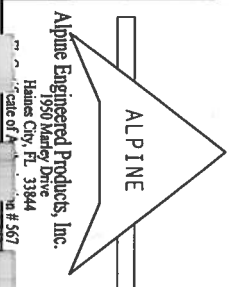
\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

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 AIA/PA) AND TPI. ALPINE 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 AMES AS OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMSE/TPI 1 SEC. 2.

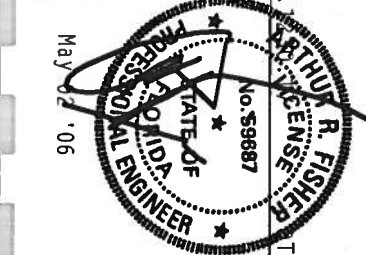
TY:1 FL/-/4/-/R/-

Scale = 5"/Ft.

TC LL	30.0 PSF	REF R487 -- 62206
TC DL	15.0 PSF	DATE 05/02/06
BC DL	10.0 PSF	DRW HCUSR487 06122046
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 95622
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 15WV487 202



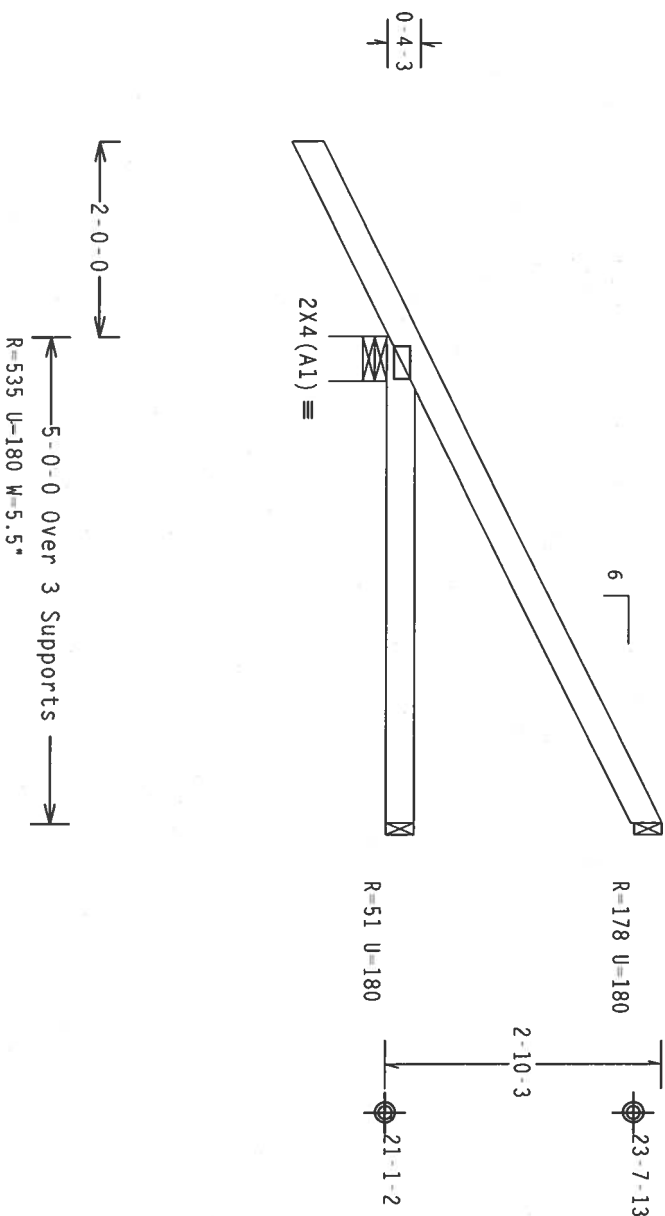
ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/PA) AND TPI. ALPINE 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 AMES AS OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMSE/TPI 1 SEC. 2.



In lieu of structural nanofibre used during to brace TC @ 24<sup>th</sup> OC

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, 22.19 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, WL=7.5 psf, wind BC, DL=5.0 psf.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.24.1

PROPERTY:

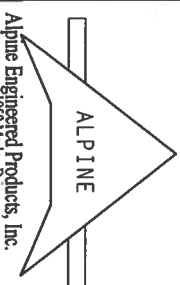
FL/-/4/-/-/R/-/

Scale = .5" / Ft.

\*"WARNING" - \*RISSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING, AND BRACING REFER TO RC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPI (GROSS PLATE INSTITUTE), 563 D'ONOFIO DR., SUITE 200, MADISON, WI 53719, AND WFLA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LN, MADISON, WI 53719, FOR SAFETY PRECAUTIONS RELATIVE TO PERFORMING THESE FUNCTIONS. \*UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED CIDOID CEILING.

TC LL	30.0 PSF
TC DL	15.0 PSF
BC DL	10.0 PSF

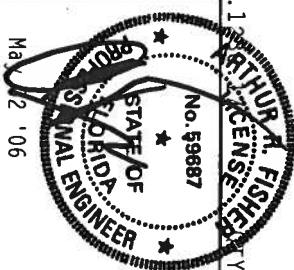
REF	R487 - 62207
DATE	05/02/06
DRW	HCUSR487 06122008



Alpine Engineered Products, Inc

1950 Matney Drive  
Haines City, FL 33844

20 # 567



Max 0.06

TC LL	30.0 PSF	REF	R487 - 62207
TC DL	15.0 PSF	DATE	05/02/06
BC DL	10.0 PSF	DRW	HCUSR487 06122008
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	95605
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SWV487_202

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

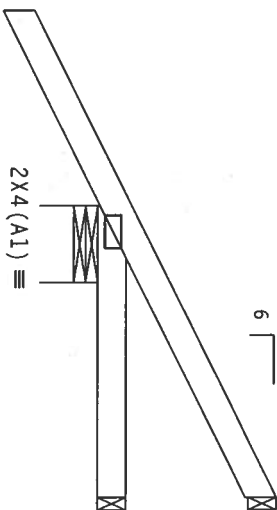
In lieu of structural panels use purlins to brace TC @ 24" OC.

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, 21.69 ft mean hgt, ASCE 7-02, CLOSED bldg, Located  
anywhere in roof, CAT II, EXP 8, wind TC DL=7.5 psf, wind BC DL=5.0  
psf.

Deflection meets L/360 live and L/240 total load. Creep increase  
factor for dead load is 1.50.

0.4-3



R=73 U=180  
R=10 U=180

1'-10'-3  
22-7-13  
21-1-2

2'-0'-0

3'-0'-0 Over 3 Supports

R=454 U=180 W=9.5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.24

FL/-/4/-/R/-

Scale = .5"/ft.

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC&S1, 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\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

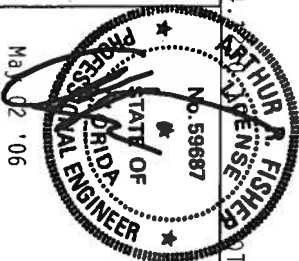
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/SYS) ASTM A653 GRADE 40/60 (W, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, 2.

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

Alpine Engineered Products, Inc.

Haines City, FL 33844

State of Florida License #567



TC LL	30.0 PSF	REF R487-- 62208
TC DL	15.0 PSF	DATE 05/02/06
BC DL	10.0 PSF	DRW HCUSR487 06122056
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEON- 95611
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SWV487 202

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

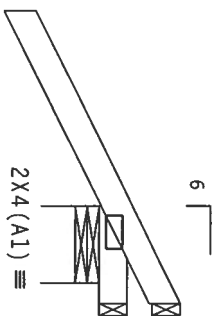
In lieu of structural panels use purlins to brace TC @ 24" OC.

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, 21.19 ft mean hgt, ASCE 7-02, CLOSED bldg, located  
anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0  
psf.

Deflection meets L/360 live and L/240 total load. Creep increase  
factor for dead load is 1.50.

0.4-3  
1



R = 161 U=180  
R = 55 U=180

21-7-13  
21-1-2

0.10-3  
1

2-0-0

1-0-0 Over 3 Supports

R=525 U=180 W=9.5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

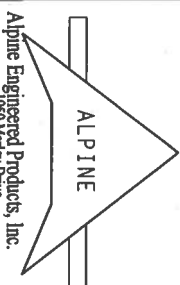
7.24.12

FL/-/4/-/R/-

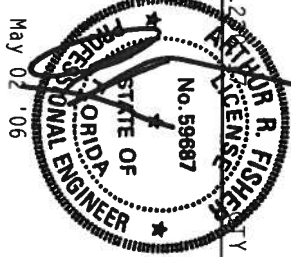
Scale = .5"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1.03 BUILDING COMPONENT SAFETY INFORMATION, NATIONAL TRUSS COUNCIL OF AMERICA, 2000 ENTERPRISE BLVD., MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W.4/5/5) ASTM A653 GRADE 40/60 (W. K/H.5) 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 AMES AS OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN HEREON. THE SEAL OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.  
1990 Marley Drive  
Haines City, FL 33844  
Phone #567



TC LL	30.0 PSF	REF R487 -- 62209
TC DL	15.0 PSF	DATE 05/02/06
BC DL	10.0 PSF	DRW HCUSR487 06122065
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 95617
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SWV487 202

110 mph wind, 20.31 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

Hipjack supports 2-0-0 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.

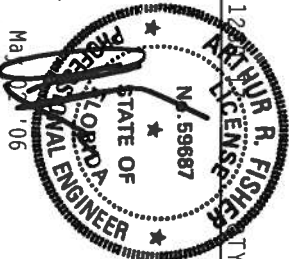

$$Cq/RT=1.00(1.25)/10(0$$

Scale = .5" / Ft.

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

Alpine Engineered Products, Inc.

File of 100 H 567



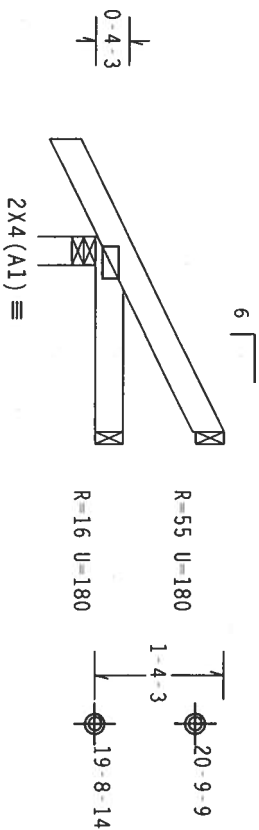
TC LL	30.0 PSF	REF	R487 - - 62210
TC DL	15.0 PSF	DATE	05/02/06
BC DL	10.0 PSF	DRW	HCUSR487 06122052
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN -	6078
DUR.FAC.	1.25		
SPACING	24.0"	JRFF -	1SWV487 202



110 mph wind, 20.34 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.


$$\sqrt{100}$$

2-0-0 Over 3 Supports

R=255 U=180 W=3.5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

## 7.24.1

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

Scale = .5"/Ft.

WARRING—TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51-103 (BUILDING COMPRESSIVE CARE IN FABRICATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 563 D'ONORIO DR., SUITE 200, MOJON, MI 53119, AND ATCA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE BLVD., MOJON, MI 53119, 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 LACID CEILING.

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

ALPINE ENGINEERED

TRUSS IN CONFORMANCE WITH TPI:

OR FABRICATING, HANDLING, SHIPPING, INSTALLING &amp; BRACING

### DESIGN OF TRUSSES.

CONNECTOR PLATES ARE MADE OF 2

3/16GA (W.H/S/K) ASTM A653 GRADE 40/60 (W. K/H.S) GALV. ST

APPLY EEL.

ANY INSPECTION OF PLATES FOLLOWING

BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A

SEAL ON THIS

DESIGN SHOWN. THE SUITABILITY

AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE USER.

BILITY OF THE



100

FL/-/4/-/-/R/-		Scale = 5"/ft.	
TC LL	30.0 PSF	REF	R487-- 62211
TC DL	15.0 PSF	DATE	05/02/06
BC DL	10.0 PSF	DRW	HCUSR487 06122054
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEON-	6072
DUR.FAC.	1.25		
SPACING	24.0"	JREF	- 1SWV487 202

1  
 2  
 3  
 4  
 5  
 6  
 7  
 8  
 9  
 10  
 11  
 12  
 13  
 14  
 15  
 16  
 17  
 18  
 19  
 20  
 21  
 22  
 23  
 24  
 25  
 26  
 27  
 28  
 29  
 30  
 31  
 32  
 33  
 34  
 35  
 36  
 37  
 38  
 39  
 40  
 41  
 42  
 43  
 44  
 45  
 46  
 47  
 48  
 49  
 50  
 51  
 52  
 53  
 54  
 55  
 56  
 57  
 58  
 59  
 60  
 61  
 62  
 63  
 64  
 65  
 66  
 67  
 68  
 69  
 70  
 71  
 72  
 73  
 74  
 75  
 76  
 77  
 78  
 79  
 80  
 81  
 82  
 83  
 84  
 85  
 86  
 87  
 88  
 89  
 90  
 91  
 92  
 93  
 94  
 95  
 96  
 97  
 98  
 99  
 100  
 101  
 102  
 103  
 104  
 105  
 106  
 107  
 108  
 109  
 110  
 111  
 112  
 113  
 114  
 115  
 116  
 117  
 118  
 119  
 120  
 121  
 122  
 123  
 124  
 125  
 126  
 127  
 128  
 129  
 130  
 131  
 132  
 133  
 134  
 135  
 136  
 137  
 138  
 139  
 140  
 141  
 142  
 143  
 144  
 145  
 146  
 147  
 148  
 149  
 150  
 151  
 152  
 153  
 154  
 155  
 156  
 157  
 158  
 159  
 160  
 161  
 162  
 163  
 164  
 165  
 166  
 167  
 168  
 169  
 170  
 171  
 172  
 173  
 174  
 175  
 176  
 177  
 178  
 179  
 180  
 181  
 182  
 183  
 184  
 185  
 186  
 187  
 188  
 189  
 190  
 191  
 192  
 193  
 194  
 195  
 196  
 197  
 198  
 199  
 200  
 201  
 202  
 203  
 204  
 205  
 206  
 207  
 208  
 209  
 210  
 211  
 212  
 213  
 214  
 215  
 216  
 217  
 218  
 219  
 220  
 221  
 222  
 223  
 224  
 225  
 226  
 227  
 228  
 229  
 230  
 231  
 232  
 233  
 234  
 235  
 236  
 237  
 238  
 239  
 240  
 241  
 242  
 243  
 244  
 245  
 246  
 247  
 248  
 249  
 250  
 251  
 252  
 253  
 254  
 255  
 256  
 257  
 258  
 259  
 260  
 261  
 262  
 263  
 264  
 265  
 266  
 267  
 268  
 269  
 270  
 271  
 272  
 273  
 274  
 275  
 276  
 277  
 278  
 279  
 280  
 281  
 282  
 283  
 284  
 285  
 286  
 287  
 288  
 289  
 290  
 291  
 292  
 293  
 294  
 295  
 296  
 297  
 298  
 299  
 300  
 301  
 302  
 303  
 304  
 305  
 306  
 307  
 308  
 309  
 310  
 311  
 312  
 313  
 314  
 315  
 316  
 317  
 318  
 319  
 320  
 321  
 322  
 323  
 324  
 325  
 326  
 327  
 328  
 329  
 330  
 331  
 332  
 333  
 334  
 335  
 336  
 337  
 338  
 339  
 340  
 341  
 342  
 343  
 344  
 345  
 346  
 347  
 348  
 349  
 350  
 351  
 352  
 353  
 354  
 355  
 356  
 357  
 358  
 359  
 360  
 361  
 362  
 363  
 364  
 365  
 366  
 367  
 368  
 369  
 370  
 371  
 372  
 373  
 374  
 375  
 376  
 377  
 378  
 379  
 380  
 381  
 382  
 383  
 384  
 385  
 386  
 387  
 388  
 389  
 390  
 391  
 392  
 393  
 394  
 395  
 396  
 397  
 398  
 399  
 400  
 401  
 402  
 403  
 404  
 405  
 406  
 407  
 408  
 409  
 410  
 411  
 412  
 413  
 414  
 415  
 416  
 417  
 418  
 419  
 420  
 421  
 422  
 423  
 424  
 425  
 426  
 427  
 428  
 429  
 430  
 431  
 432  
 433  
 434  
 435  
 436  
 437  
 438  
 439  
 440  
 441  
 442  
 443  
 444  
 445  
 446  
 447  
 448  
 449  
 450  
 451  
 452  
 453  
 454  
 455  
 456  
 457  
 458  
 459  
 460  
 461  
 462  
 463  
 464  
 465  
 466  
 467  
 468  
 469  
 470  
 471  
 472  
 473  
 474  
 475  
 476  
 477  
 478  
 479  
 480  
 481  
 482  
 483  
 484  
 485  
 486  
 487  
 488  
 489  
 490  
 491  
 492  
 493  
 494  
 495  
 496  
 497  
 498  
 499  
 500  
 501  
 502  
 503  
 504  
 505  
 506  
 507  
 508  
 509  
 510  
 511  
 512  
 513  
 514  
 515  
 516  
 517  
 518  
 519  
 520  
 521  
 522  
 523  
 524  
 525

110 mph wind, 20.09 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP 8, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

Deflection meets  $L/360$  live and  $L/240$  total load. Creep increase factor for dead load is 1.50.

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

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

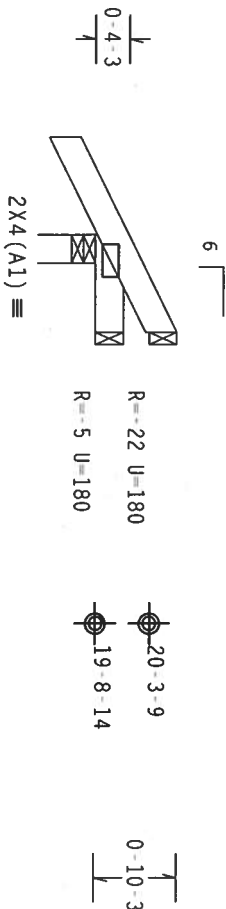
 $Cq/RT=1.00(1.25)/10(0)$ 

7.24.

PROPERTY: 1

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

Scale = .5" / Ft.



1-0-0  
1-0-0 Over 3 Supports  
R=239 U=180 W=3.5"

\*WARNING—\* FRUSES REQUIRE EXPERT CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND DRAGING. REFER TO DGCS 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TROSS LATE INSTITUTE, 503 D'ONOFIO DR., SUITE 200, MADISON, WI 53718) AND NFPA (NATIONAL FIRE PROTECTION ASSOCIATION, 11901 MARKET ST., MADISON, WI 53717) 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 TIED CEILING.

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

TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIAA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 304/316SS (316/316L) WITH A572 GR50 BOLTS. 10/100 IN. DIA. 20/20 IN. DIA. 20/20 IN. DIA.

CONNECTOR PLATES ARE MADE OF 20/18/16GA (W.M.S/K) ASTM A653 GRADE 40/60 (W. K/H.S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRISS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN POSITION PER DRAWING 1504 2

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 TP11-2002 SEC 3 A SEAL ON THIS

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT AND INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF IP11/2002 SEC.3. A SEAL ON THIS

DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DRAWING INDIVIDUAL. ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE KROSS COMPONENT

THE DESIGNER AND USER OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Alpine Engineered Products, Inc.

1930 Marley Drive  
Haines City, FL 33844

Classification # 567

TC LL	30.0 PSF	REF	R487 - - 62212
TC DL	15.0 PSF	DATE	05/02/06
BC DL	10.0 PSF	DRW	HCSUR487 06122053
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEON -	6066
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1SWV487 Z02

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

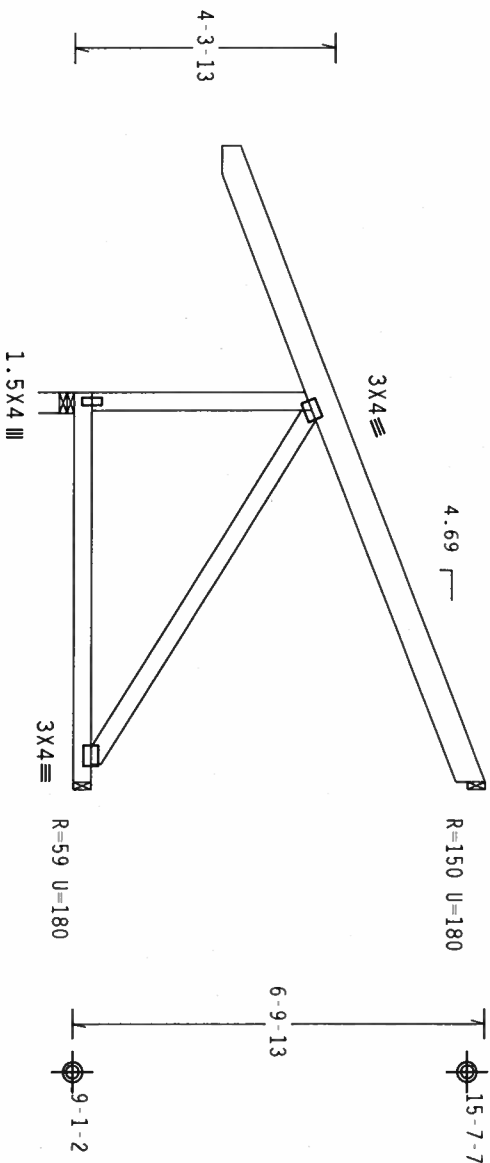
Hipjack supports 4-6-5 setback jacks with no webs.

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.

Left end vertical exposed to wind pressure. Deflection meets L/240  
criteria for brittle and flexible wall coverings.

110 mph wind, 15.00 ft mean hgt. ASCE 7-02, CLOSED bldg, located  
anywhere in roof, CAT II, EXP 8, wind TC DL=7.5 psf, wind BC DL=5.0  
psf.

In lieu of structural panels use purlins to brace TC @ 24" OC.  
Deflection meets L/360 live and L/240 total load. Creep increase  
factor for dead load is 1.50.



←6-4-13 Over 3 Supports →  
R=806 U=180 W=4.082"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

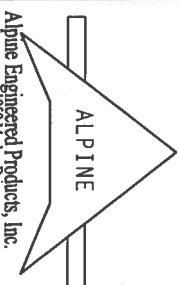
7.24.1

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

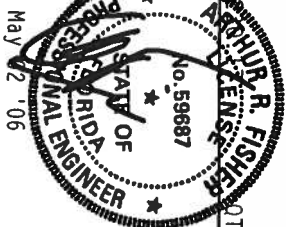
Scale = .3125"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, SHIPING, UNLOADING, INSTALLING AND BRACING. REFER TO BCST 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI, 1000 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 DESIGN IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE TRUSSES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2. TYPICAL CONNECTIONS TO BE USED. (1) SHALL BE PER NAME AS OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.  
1990 Marley Drive  
Haines City, FL 33844



TC LL	30.0 PSF	REF R487 -- 62213
TC DL	15.0 PSF	DATE 05/02/06
BC DL	10.0 PSF	DRW HCUSR487 06122030
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN= 95836
DUR.FAC.	1.25	
SPACING	24.0"	JREF - 1SWV487 202

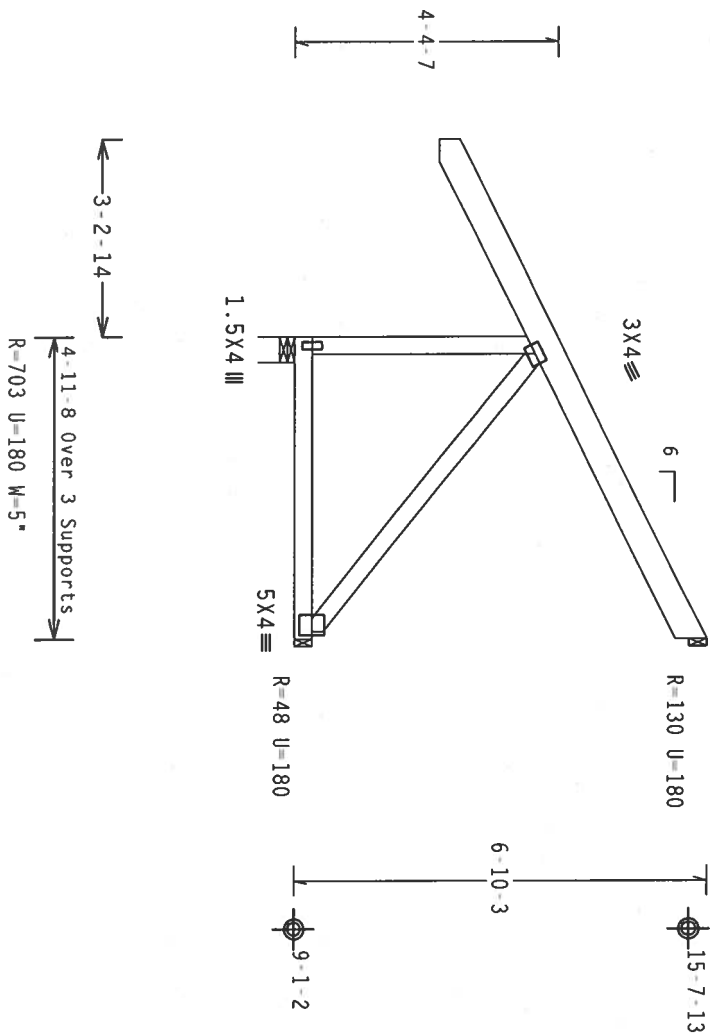
Top chord 2x6 SP #1 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

Left end vertical exposed to wind pressure. Deflection meets L/240  
criteria for brittle and flexible wall coverings.

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 7-02, CLOSED bldg, not located  
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, Wind  
BC DL=5.0 psf.

In lieu of structural panels use purlins to brace TC @ 24" OC.  
Deflection meets L/360 live and L/240 total load. Creep increase  
factor for dead load is 1.50.



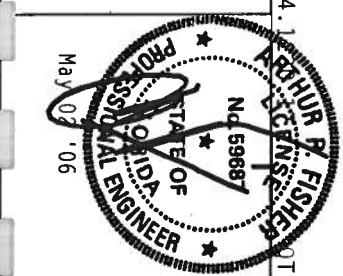
PLT TYP. Wave  
Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. TRUSSES MUST BE PROTECTED FROM DAMAGE DURING TRANSPORT AND STORAGE. TRUSSES MUST BE PROTECTED FROM DAMAGE DURING TRANSPORT AND STORAGE. TRUSSES MUST BE PROTECTED FROM DAMAGE DURING TRANSPORT AND STORAGE.

**\*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-2002 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NOS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI-2002.



Alpine Engineered Products, Inc.  
Haines City, FL 33844  
1950 Marley Drive  
Phone of 813 281-5677 Fax #567

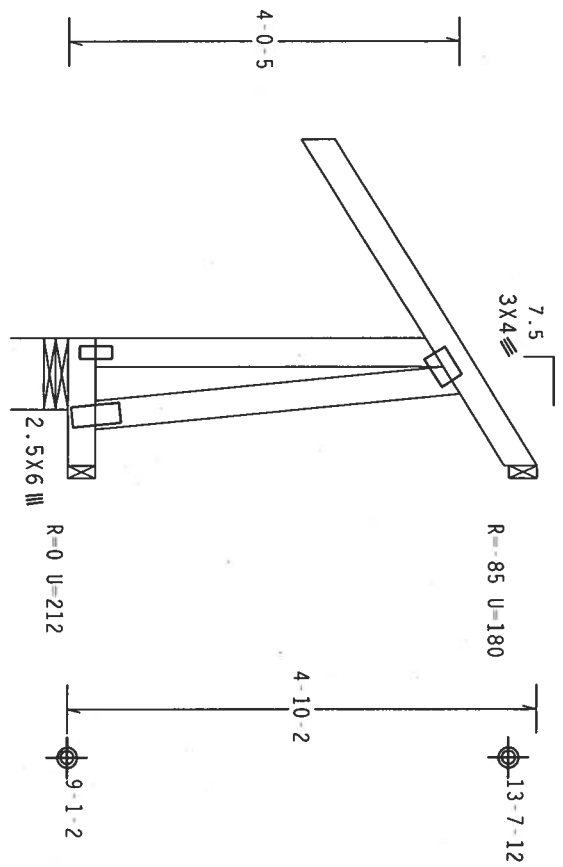


TC LL	30.0 PSF	REF R487-- 62214
TC DL	15.0 PSF	DATE 05/02/06
BC DL	10.0 PSF	DRW HCUSR487 06122032
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEON- 95805
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 15W487 202

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

Left end vertical exposed to wind pressure. Deflection meets L/240  
criteria for brittle and flexible wall coverings.  
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 7-02, CLOSED bldg, located  
anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0  
psf.  
In lieu of structural panels use purlins to brace TC @ 24" OC.  
Deflection meets L/360 live and L/240 total load. Creep increase  
factor for dead load is 1.50.



PLT TYP. Wave

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

FL/-/4/-/R/-

Scale = .5"/ft.

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 BCST 1.03 (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI TRUSS SOCIETY OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

\*IMPORTANT\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, CONNECTOR PLATES ARE MADE OF 20/18/16GA (K/4/3/5) ASTM A553 GRADE 40/60 (K, K/H, S) GALV. STEEL. APPLY ANY SPECIFIC DRAINAGE AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100. ANY DEVIATION FROM THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE USER. THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

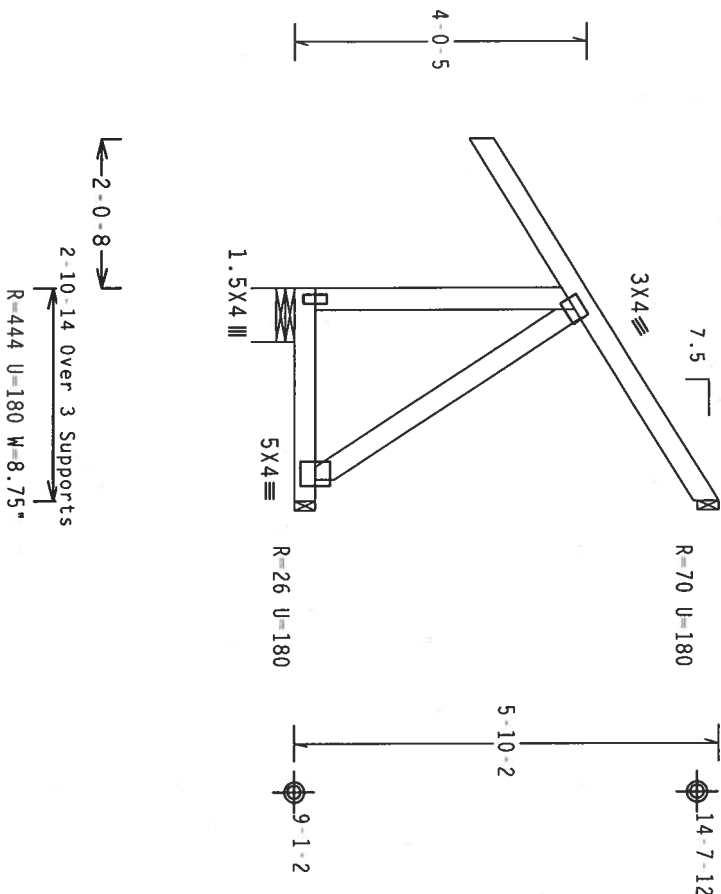


TC LL	30.0 PSF	REF R487 -- 62215
TC DL	15.0 PSF	DATE 05/02/06
BC DL	10.0 PSF	DRW HCUSR487 06122035
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEON- 95813
DUR.FAC.	1.25	
SPACING	24.0"	JREF-1SWV487 202

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP 8, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

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

Deflection meets  $L/360$  live and  $L/240$  total load. Creep increase factor for dead load is 1.50.



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

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

7.24.128017 CENSE

$$FL/4/R/$$

Scale = .375"/Ft.

\* \* \*WARNING\*\* FROSTERS REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO GC-1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 5805 O'NEAL DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN#3 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 LACID CEILING.

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

TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING TRUSS CONFORMING WITH ABOVE CODES. PROVIDING OF MOD. MATERIAL DESIGN FOR TRUSS AND TRUSS


CONNECTOR PLATES ARE MADE OF 20/18/16GA (W.H/S/K) ASTM A653 GRADE 40/60 (W. K/H.S) GALV. STEEL. APPLY

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 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/191.1 SEC. 2.

100



**Alpine Engineered Products, Inc.**  
 1980 Mariner Drive  
 Haines City, FL 33844  
 Telephone: (813) 939-5677

100

TC LL	30.0 PSF	REF	R487-- 62216
TC DL	15.0 PSF	DATE	05/02/06
BC DL	10.0 PSF	DRW	HCUSR487 06122028
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	95819
DUR.FAC.	1.25		
SPACING	24.0"	JRFF-	1SMV487 202



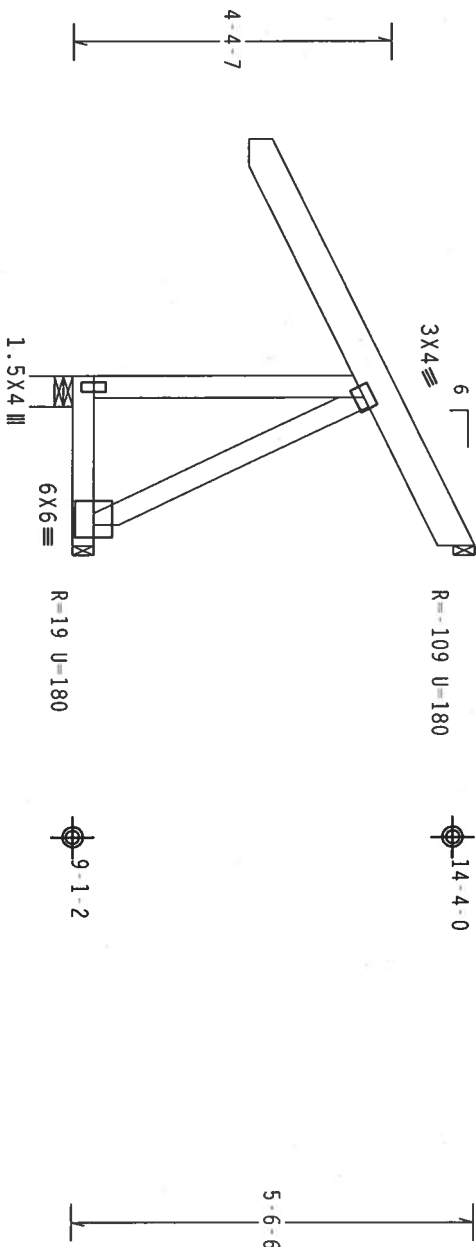
Top chord 2x6 SP #1 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

Left end vertical exposed to wind pressure. Deflection meets L/240  
criteria for brittle and flexible wall coverings.

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 7-02, CLOSED bldg, located  
anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0  
psf.

In lieu of structural panels use purlins to brace TC @ 24" OC.  
Deflection meets L/360 live and L/240 total load. Creep increase  
factor for dead load is 1.50.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.24.1

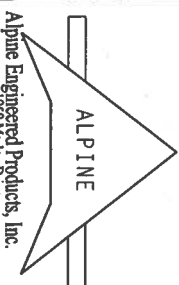
FL/-/4/-/-/R/-

Scale = .375"/ft.

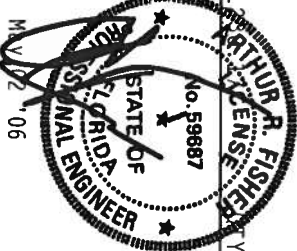
**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO THE TPI-2002(STD) FOR THE TPI-2002(STD) TRUSS PLATE INSTRUCTIONS. THE TPI-2002(STD) TRUSS PLATE INSTRUCTIONS ARE THE PROPERTY OF THE TPI-2002(STD) TRUSS PLATE INSTITUTE. THE TPI-2002(STD) TRUSS PLATE INSTITUTE IS NOT RESPONSIBLE FOR ANY DAMAGE TO THE TRUSS OR TO THE BUILDING OR TO THE PERSONS OR PROPERTY OF ANYONE ELSE. THE TPI-2002(STD) TRUSS PLATE INSTITUTE IS NOT RESPONSIBLE FOR ANY DAMAGE TO THE TRUSS OR TO THE BUILDING OR TO THE PERSONS OR PROPERTY OF ANYONE ELSE. THE TPI-2002(STD) TRUSS PLATE INSTITUTE IS NOT RESPONSIBLE FOR ANY DAMAGE TO THE TRUSS OR TO THE BUILDING OR TO THE PERSONS OR PROPERTY OF ANYONE ELSE.

**\*\*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-2002(STD) OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NOS (NATIONAL DESIGN SPEC., BY AREA) AND TPI-2002(STD).

CONNECTION PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (W. K/H. S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN, MANUFACTURING AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX A3 OF TPI-2002 SEC. 2.



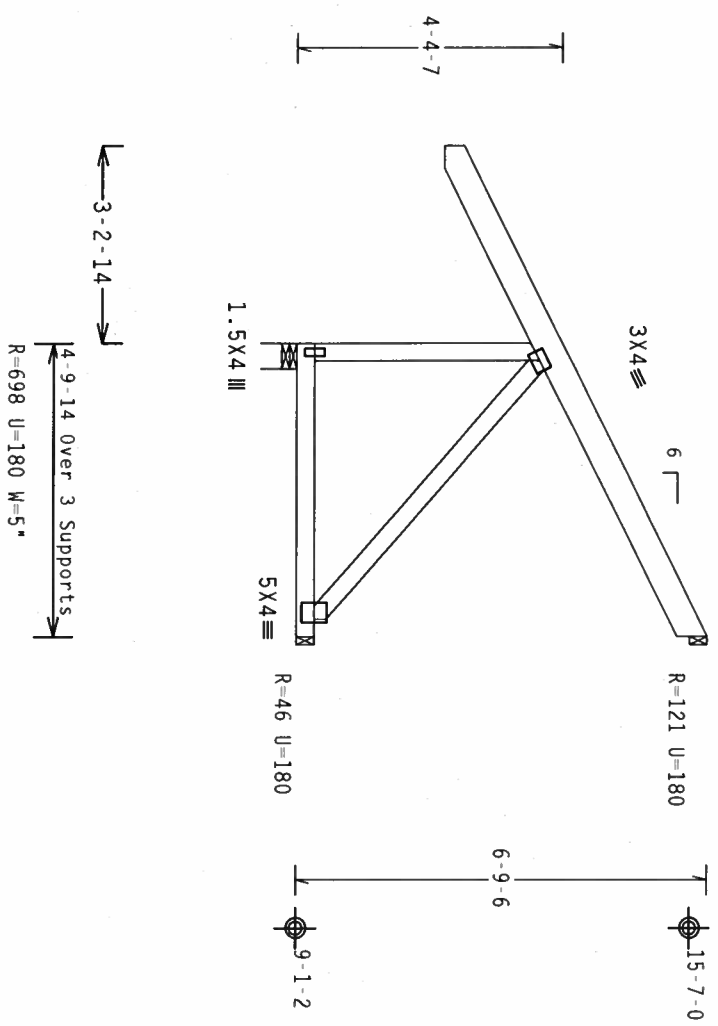
Alpine Engineered Products, Inc.  
1990 Marney Drive  
Haines City, FL 33844  
Phone # 567



TC LL	30.0 PSF	REF	R487 - - 62217
TC DL	15.0 PSF	DATE	05/02/06
BC DL	10.0 PSF	DRW	HCUSR487 06122033
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT. LD.	55.0 PSF	SEQN-	95831
DUR. FAC.	1.25		
SPACING	24.0"	DRFF-	1SWV487 202

Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.  
 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 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.  
 In lieu of structural panels use purlins to brace TC @ 24" OC.  
 Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

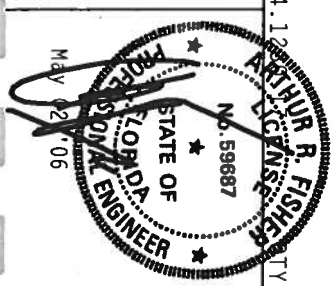
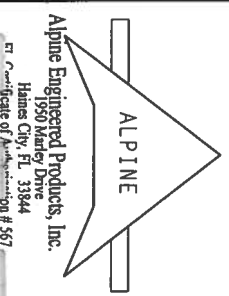


PLT TYP. Wave  
 Design Crit: TPI-2002(STD)/FBC  
 Cq/RT=1.00(1.25)/10(0)  
 7.24.12  
 Scale = .3125"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND TRACING. REFER TO RC51.1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI, 1000 DOWDRIE DR., SUITE 200, MADISON, WI 53719, AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6000 INTERPRETATION, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/P) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (W, K/H, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, Z.

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 AIA/P) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (W, K/H, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, Z. DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



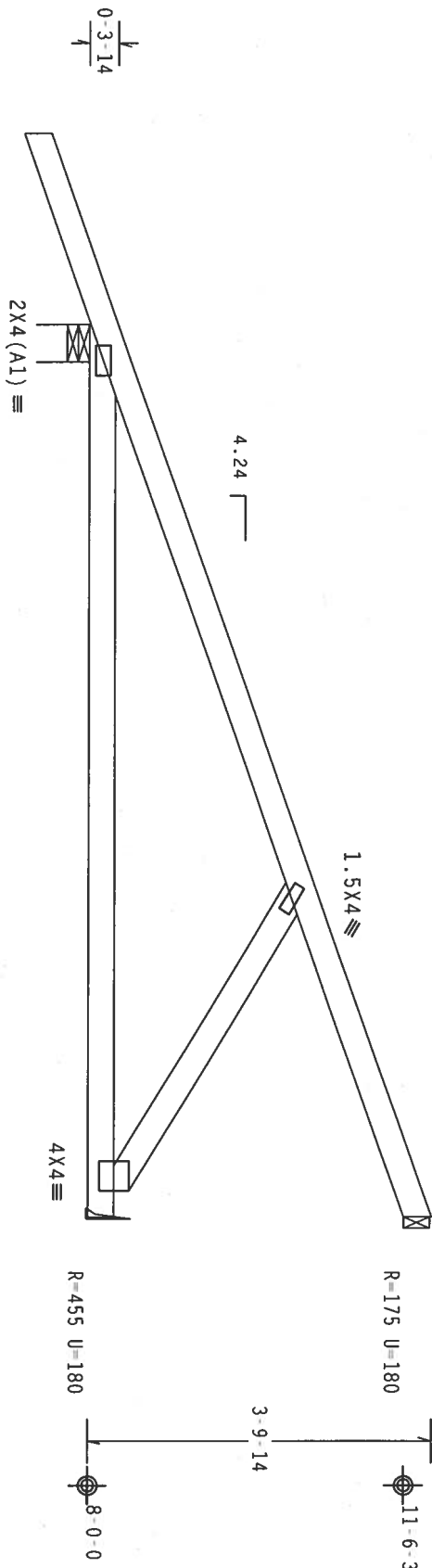
TC LL	30.0 PSF	REF	R487--	62218
TC DL	15.0 PSF	DATE	05/02/06	
BC DL	10.0 PSF	DRW	HCUSR487	06122034
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	55.0 PSF	SEQN-	95824	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SWV487	202

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

In lieu of structural panels use purlins to brace TC @ 24" OC.  
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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

Hipjack supports 7-0-0 setback jacks with no webs.  
Provide ( 2 ) 16d common nails(0.162"x3.5"), toe nailed at Top chord.



PLT TYP. Wave

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

7.24.

FL/-/4/-/R/-

Scale = .5"/Ft.

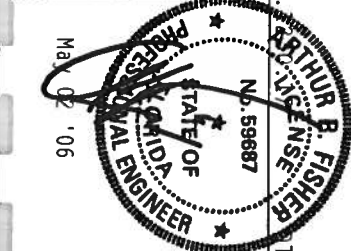
\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. DESIGNER SHALL PROVIDE DETAILED INSTRUCTIONS TO THE FABRICATOR. THE FABRICATOR SHALL BE RESPONSIBLE FOR THE PROPER HANDLING, SHIPPING, INSTALLING AND BRACING OF THE TRUSSES. THE DESIGNER SHALL HAVE 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 AND BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/ASCE) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/50 (W. K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, Z.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK 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 SUSTAINABILITY 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.  
Haines City, FL 33944  
Phone # 567



TC LL	20.0 PSF	REF R487-- 62219
TC DL	10.0 PSF	DATE 05/02/06
BC DL	10.0 PSF	DRW HCUSR487 06122039
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 95659
DUR.FAC.	1.25	
SPACING	24.0"	JRFF-1SWV487 202

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 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 Top chord.  
Provide { 2 } 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



12  
ARTHUR R. FISHER  
17  
CENS.

Y:1

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

Scale -.5" / Ft.

WARNING: ROSSSES RESOLVE EXTREME CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO AC308 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY PEI (PEER REVIEWED INSTITUTE), 5810 O'NEAL DR., SUITE 200, MADISON, WI 53719, AND WICA (WOOD TRUSS COUNCIL OF AMERICA), 6500 ENTERPRISE LANE, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. QUCESS OFFERINGS INDICATED FOR 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.**

TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MDS (NATIONAL DESIGN SPEC., BY AFSPA) AND IPI. ALPINE CONNECTOR PLATES ARE MADE OF 2019/16CA (H 145/14) ASTM A663 CLASS 40/60 (H 145/14) C1111. EFFECTIVE

CONNECTION PLATES MADE OF 20/10/1000 (M.M/S/K) ASIM A053 GRADE 40/60 (M. K/M.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 TP11-2002 SEC.3. A SEAL ON THIS

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

**BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.**

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

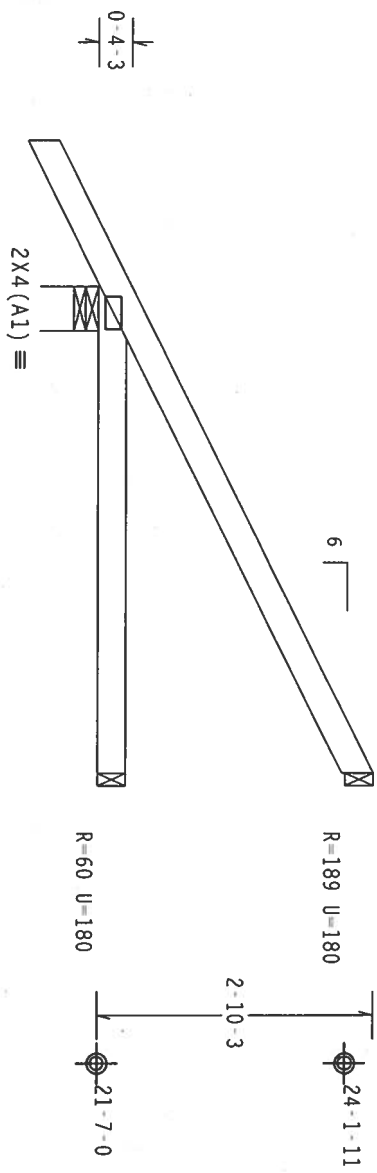
\*IMPORTANT\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERING PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE DESIGN IN CONFORMANCE WITH THE REQUIREMENTS OF FABRICATING, HANDLING, SHIPPING, INSTALLING AND BAKING OF TRUSSES, TRUSS CONNECTIONS WITH TYPICAL CONNECTIONS OR MODIFICATIONS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. DESIGN COMPLIANCE WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TYPICAL CONNECTIONS TO STEEL PLATES TO EACH FACE OF TRUSS AND CHANGES OF SECTION LOCATED AT JOINTS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN AISC (TYPICAL CONNECTIONS PER AISC) AND (2) SHALL BE PER AMERICAN AISC (TYPICAL CONNECTIONS PER AISC) AND (3) SHALL BE PER AMERICAN AISC (TYPICAL CONNECTIONS PER AISC). DRAWING INDICATES THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TRUSS COMPONENTS DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

1123  
 ARTHUR R. FISHER  
 PROFESSIONAL ENGINEER  
 STATE OF FLORIDA  
 No. 59687  
 MAY 02 '06

TC LL	30.0 PSF	REF	R487 - 62220
TC DL	15.0 PSF	DATE	05/02/06
BC DL	10.0 PSF	DRW	HCUSR487 06122042
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN -	95637
DUR.FAC.	1.25		
SPACING	24.0"	JRFF -	15WV487 Z02

Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
In lieu of structural panels use purlins to brace TC @ 24" OC.  
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, 22.81 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.  
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



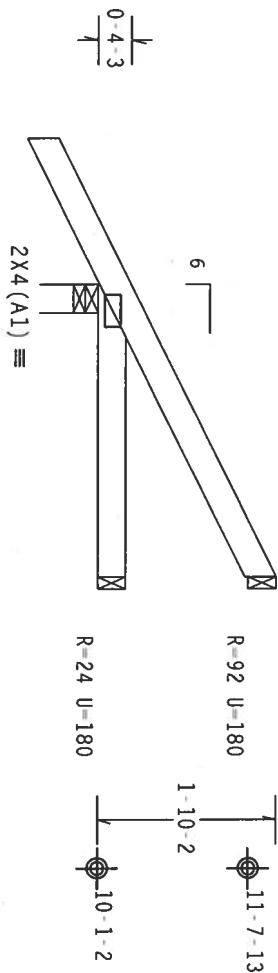
PLT TYP. Wave  
Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7.24.1

Scale = .5"/ft.  
FL/-/4/-/R/-  
REF R487-- 62221  
DATE 05/02/06  
DRW HCUR487 06122044  
HC-ENG JB/AF  
SEON- 6046

ALPINE	ALPINE ENGINEERED PRODUCTS, INC.	1950 Marley Drive Haines City, FL 33844 Certificate of Authorization #567	ARTHUR R. FISHER Professional Engineer No. 59887 State of Florida Exp. 12/06	TC LL 30.0 PSF	REF R487-- 62221
TC DL 15.0 PSF	DATE 05/02/06	BC DL 10.0 PSF	DRW HCUR487 06122044	HC-ENG JB/AF	
BC LL 0.0 PSF		TOT.LD. 55.0 PSF	SEON- 6046		
DUR.FAC. 1.25					
SPACING 24.0"					
					JREF- 15W487 202

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

Deflection meets  $L/360$  live and  $L/240$  total load. Creep increase factor for dead load is 1.50.



3-0-0 Over 3 Supports  
R=372 U=180 W=3.493"

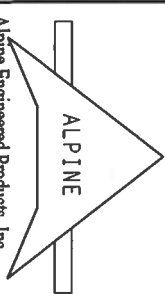
7.24.12  
 HUR R. FISHER  
 SCALE: 1  
 FL/-/4/-/-/R/-  
 Scale = .5"/Ft.

**WARNING:** THIS IS A RIGID, EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51-1-03 (BUILDING COMPOSITE SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 563 D'ONOFIO RD., SUITE 200, MADISON, MI 48139, AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.), 500 N. LAKE STREET, SUITE 1800, CHICAGO, IL 60611, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PLATE'S AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

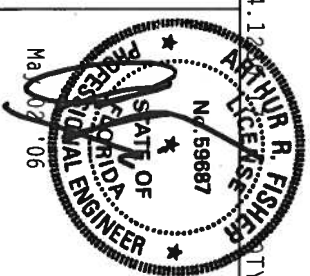
**\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.**

PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR PARTICIPATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF ASD (NATIONAL DESIGN SPEC., BY A/E/S) AND TPI. CONNECTOR PLATES ARE MADE OF 2018/1816GA (W. H/SX/K) NSI A653 GRADE 40/60 (W. K/S) S&W STEEL. ALPINE

Alpine Engineered Products, Inc.  
1050 Madison Drive



1950 MAINE DRIVE  
HAINES CITY, FL 33844  
FL Certificate of Approval #567



FL / 4 - / R -		Scale = .5" / Ft.
TC LL	30.0 PSF	REF R487 - - 62222
TC DL	15.0 PSF	DATE 05/02/06
BC DL	10.0 PSF	DRW HCUSR487 06122024
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 95649
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SMV487 202

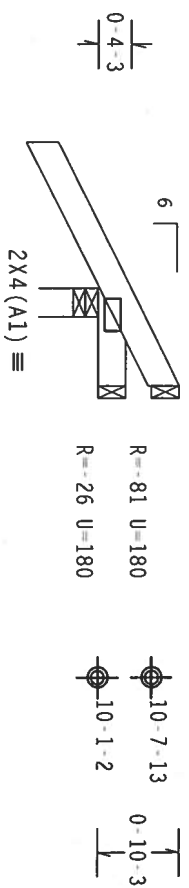


Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense

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

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 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP 8, wind TC DL=7.5 psf, wind BC DL=5.0 psf.  
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

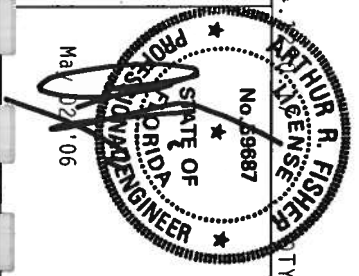
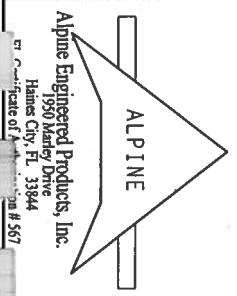


1-6-0  
1-0-0 Over 3 Supports  
R=368 U=180 W=3.498"

PLT TYP. Wave  
Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7.24

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP 1.02 (BUILDING COMPONENT SAFETY INFORMATION) AND AISC 308 (STEEL ERECTORS' SAFETY MANUAL) 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 AIA/PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (M/H/S) ASTM A653 GRADE 40/60 (M. K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERFORMED AS OF TPI-2002 SEC.3.3. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	30.0 PSF	REF R487-- 62223
TC DL	15.0 PSF	DATE 05/02/06
BC DL	10.0 PSF	DRW HCUSR487 06122025
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEON- 95654
DUR.FAC.	1.25	
SPACING	24.0"	

Scale = .5"/ft.

JREF-1SW487 202



110 mph wind, 23.43 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

Deflection meets  $L/360$  live and  $L/240$  total load. Creep increase factor for dead load is 1.50.

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

7.24.1

TY:1

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

Scale = .375" / Ft.

\*WARNING\* TROSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING, AND BRACING. REFER TO DC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 5805 D'ONOFIO DR., SUITE 200, MADISON, WI 53719) AND NITC (WOOD TRUSS 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

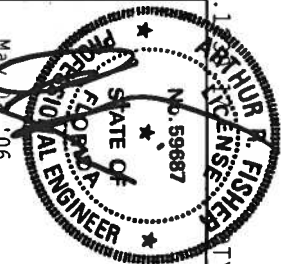
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/P&A) AND TPI. ALPINE CONNECTIONS, INC. MADE OF STEEL. W/ 100% STEEL BRACE. (SEE DETAIL) SEE DETAIL FOR CONNECTIONS.

CONNECTION PLATES ARE MADE OF 20/18/160A (M, H, S/K) AS PER A553 GRADE 40/60 (M, K/H, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, 2

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

1



TC LL	30.0 PSF	REF	R487 - 62225
TC DL	15.0 PSF	DATE	05/02/06
BC DL	10.0 PSF	DRW	HCSR487 06122031
BC LL	0.0 PSF	HC-ENG	JB /AF
TOT.LD.	55.0 PSF	SEQN-	6056
DUR.FAC.	1.25		
SPACING	24.0"	JRFF-	15WV487 202

Top chord 2x4 SP #2 Dense  
Bot chord 2x8 SP #1 Dense  
Webs 2x4 SP #3 :W3 2x4 SP #2 Dense:

SPECIAL LOADS

(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)  
TC - From 94 PLF at 0.00 to 94 PLF at 23.00  
BC - From 20 PLF at 0.00 to 20 PLF at 21.50  
BC - From 4 PLF at 21.50 to 4 PLF at 23.00  
BC - 1817 LB Conc. Load at 0.44, 2.44, 4.44, 6.44, 8.44  
BC - 1824 LB Conc. Load at 12.44  
BC - 3984 LB Conc. Load at 14.38

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located  
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind  
BC DL=5.0 psf.

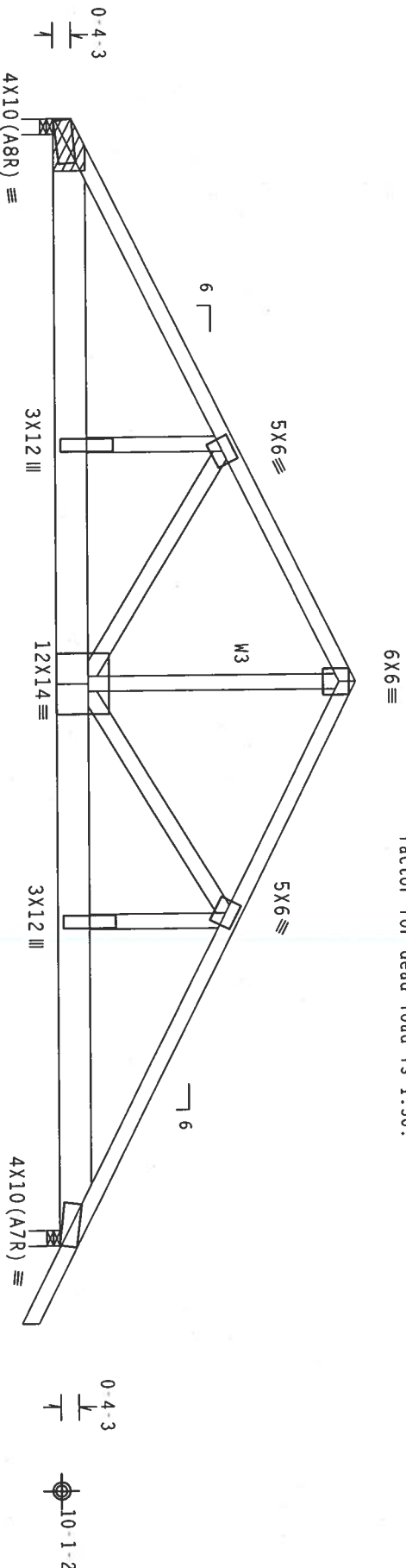
3 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Box or Gun (0.128"x3.25", min.)\_nails)  
Top Chord: 1 Row @12.00" o.c.  
Bot Chord: 2 Rows @ 4.00" o.c. (Each Row)  
Webs : 1 Row @ 4" o.c.  
Repeat nailing as each layer is applied. Use equal spacing  
between rows and stagger nails in each row to avoid splitting.

Bearing blocks: Nail type: 12d Box or Gun (0.128"x3.25", min.)\_nails  
BRG X-LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE  
1 0.000' 1 12" Match Truss  
Bearing block to be same size and species as bottom chord.  
Refer to drawing CNBRGblk1103 for additional information.

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

Deflection meets L/360 live and L/240 total load. Creep increase  
factor for dead load is 1.50.



10-9-0  
21-6-0 Over 2 Supports  
R=11468 U=199 W=3.5"  
R=7828 U=180 W=3.5"

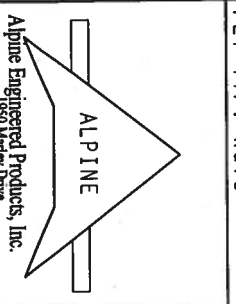
PLT TYP. Wave

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

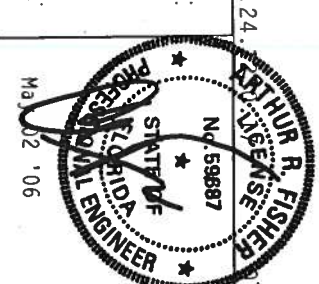
7.24.

FL/-/4/-/R/-

Scale = .3125"/ft.



ALPINE  
Engineered Products, Inc.  
1950 Madison Drive

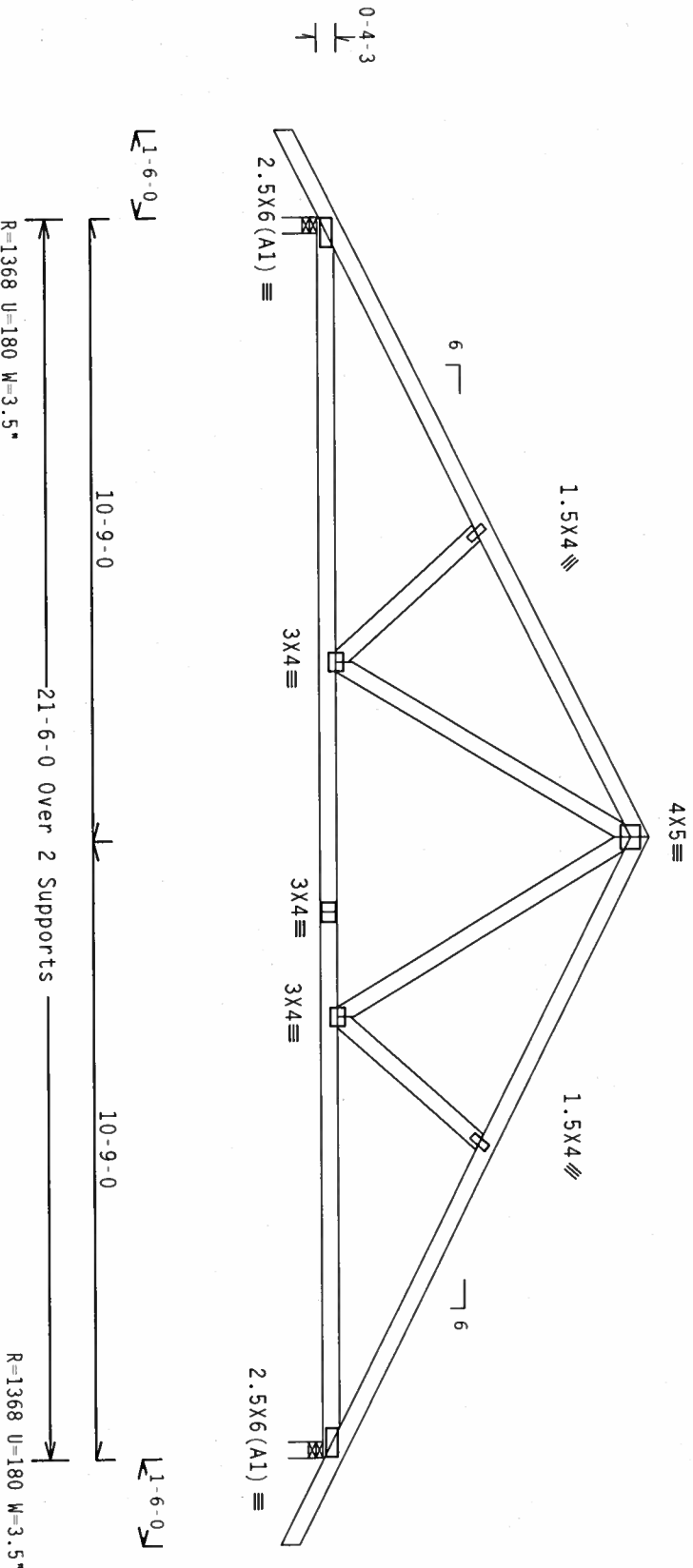


TC LL	30.0 PSF	REF R487 - 62226
TC DL	15.0 PSF	DATE 05/02/06
BC DL	10.0 PSF	DRW HCUR487 06122010
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEON- 95773
DUR.FAC.	1.25	

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

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located  
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind  
BC DL=5.0 psf.  
Deflection meets L/360 live and L/240 total load. Creep increase  
factor for dead load is 1.50.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.24.1

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

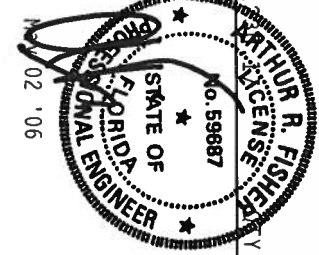
Scale = .3125"/Ft.

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

\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO FOLLOW THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE DESIGN IS THE PROPERTY OF ALPINE ENGINEERED PRODUCTS, INC. AND SHALL NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. WITHOUT PERMISSION IN WRITING FROM ALPINE ENGINEERED PRODUCTS, INC. 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.

ALPINE

Alpine Engineered Products, Inc.  
1950 Mariner Drive



TC LL	30.0 PSF	REF R487--	62227
TC DL	15.0 PSF	DATE	05/02/06
BC DL	10.0 PSF	DRW HCUSR487	06122070
BC LL	0.0 PSF	HC-ENG JB/AF	
TOT.LD.	55.0 PSF	SEQN-	95756
DUR.FAC.	1.25		

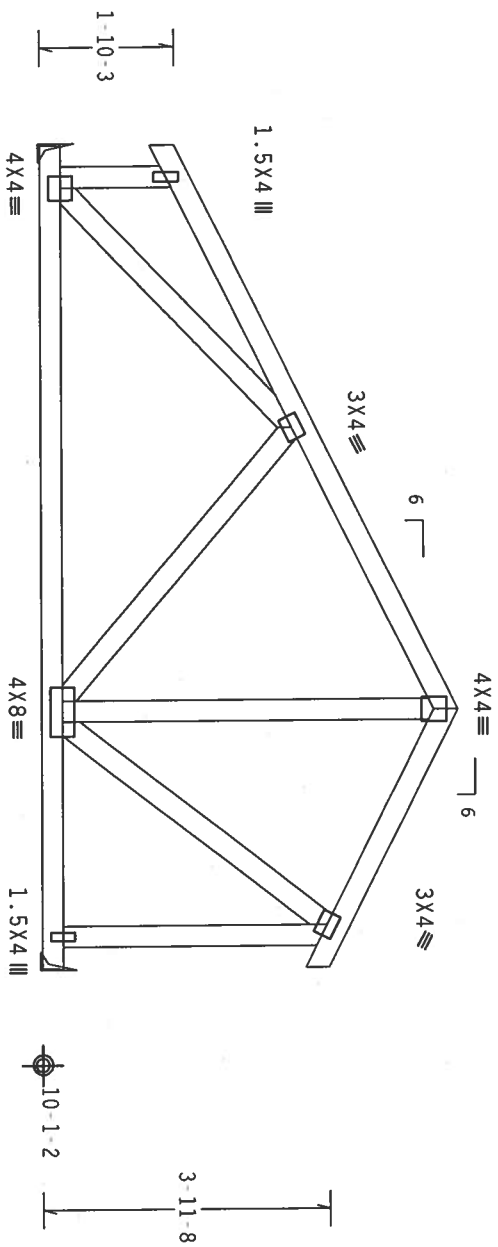
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

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.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



R-640 U-180 H-Simpson LU24  
W/ (2) 10d, 0.148"x1.5" nails in Truss  
W/ (4) 16d, 0.162"x2.5" nails in Girder  
Girder is (2)2X6 min. So.Pine

R-640 U-180 H-Simpson LU24  
W/ (2) 10d, 0.148"x1.5" nails in Truss  
W/ (4) 16d, 0.162"x2.5" nails in Girder  
Girder is (2)2X6 min. So.Pine

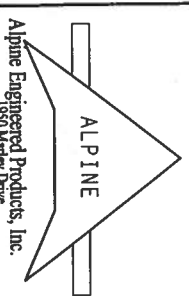
PLT TYP. Wave

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

7.24.1

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

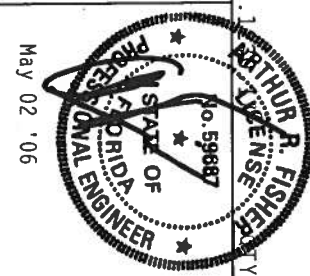
Scale = .375"/Ft.



Alpine Engineered Products, Inc.  
1900 Marlow Drive

\*\*\*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, 589 O'CONNOR DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

\*\*\*IMPORTANT\*\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING THE TRUSS CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL BUILDING CODE, 2003 EDITION, AND THE DECISION OF THE APPLICABLE JURISDICTION. THE DESIGN IS FOR A TRUSS WITH A GRADE 40/50 (W. KIN-SI GALT, STEEL, APPLY) CONNECTION TO EACH FACE OF TRUSS AND (8) UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. THE DESIGNER AND THE USER OF THIS DRAWING FOR THE RECONSTRUCTION OF THE TRUSS COMPONENT.



TC LL	30.0 PSF	REF	R487--	62228
TC DL	15.0 PSF	DATE	05/02/06	
BC DL	10.0 PSF	DRW	HCUSR487	06122022
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	55.0 PSF	SEGN	100540	
DUR.FAC.	1.25			

MAY 02 '06

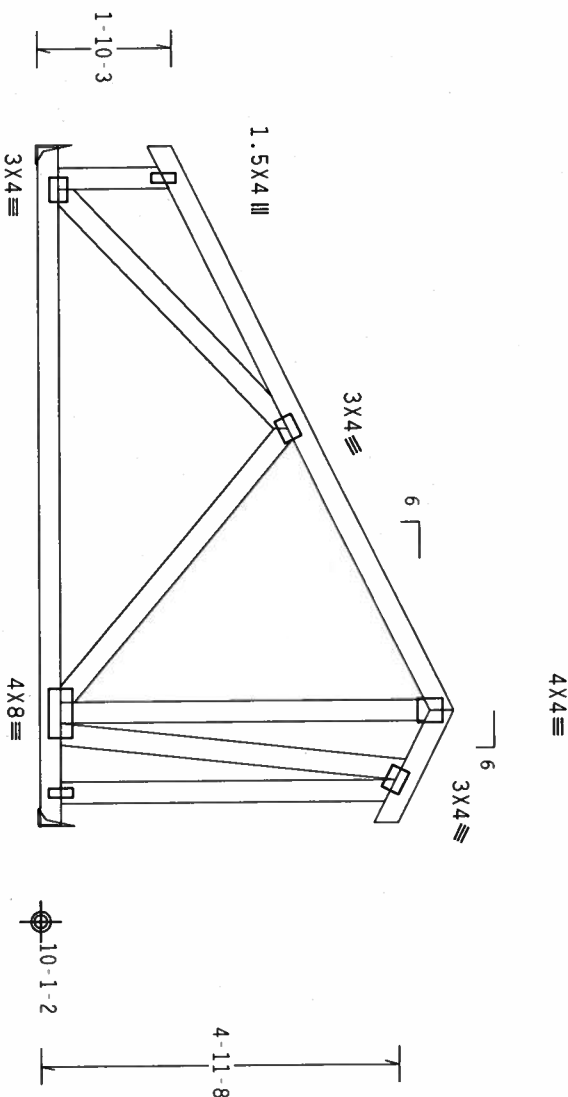


THIS WORK PREPARED FROM COMPUTER INPUT (LUAS & DIMENSIONS) SUBMITTED BY IKUSS MRK.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

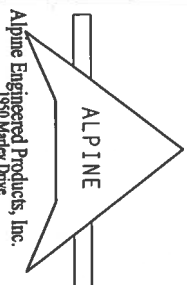
In lieu of structural panels use purtins to brace TC @ 24" OC.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



R=527 U=180 H=Simpson LU24  
w/ (2) 10d, 0.148"x1.5" nails in Truss  
w/ (4) 10d Common, 0.148"x3.0" nails in Girder  
Girder is (2)2x6 min. So.Pine

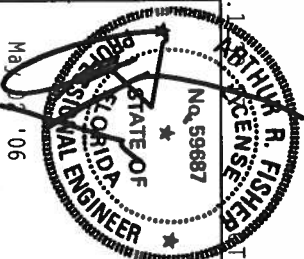
Scale = .375" / Ft.



**Alpine Engineered Products, Inc.**  
1950 Marley Drive

**\*WARNING\*** TRUSSES REQUIRING EXTREME CARE IN FABRICATION. HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO BC31-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 362 OMAHA RD., SUITE 200, WESTMINSTER, CO 80540. FOR ADDITIONAL INFORMATION, CALL 800-368-7263. 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'S OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIAA) AND TPI'S ALPINE CONNECTION PLATES ARE MADE OF 20/10/160/24 (W/S/K) ALPINE 2000 GRADE OF STEEL. POSITION PER DRAWINGS 160A-2 AND 160B-2. BRACING SHALL BE 20/10/160/24 (W/S/K) ALPINE 2000 GRADE OF STEEL. POSITION PER DRAWINGS 160A-2 AND 160B-2. AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN A3 OF 1911-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT AND NOT FOR THE ENTIRE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY VIOLATION. THE RESPONSIBILITY OF THE CONTRACTOR SHALL BE TO FOLLOW THE DESIGN AND CONSTRUCTION OF THE TRUSS COMPONENT.



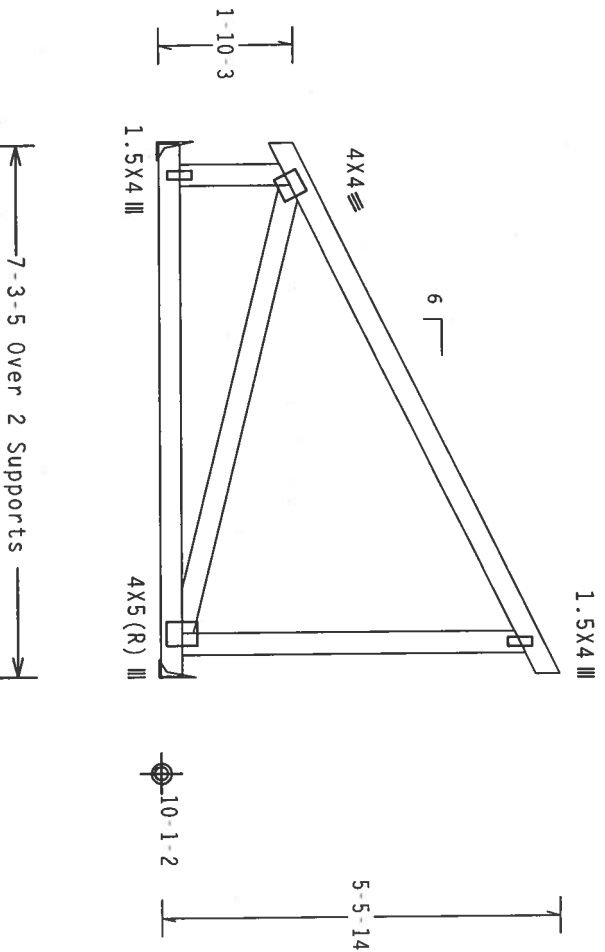
TC LL	30.0 PSF	REF	R487-- 62229
TC DL	15.0 PSF	DATE	05/02/06
BC DL	10.0 PSF	DRW	HCUSR487 06122027
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEON-	100548
DUR.FAC.	1.25		

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.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

In lieu of structural panels use purlins to brace TC @ 24" OC.  
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



R-413 U-180 H-Simpson LU24  
w/ (2) 10d, 0.148"x1.5" nails in Truss  
w/ (4) 10d Common, 0.148"x3.0" nails in Girder  
Girder is (2)2X6 min. So.Pine

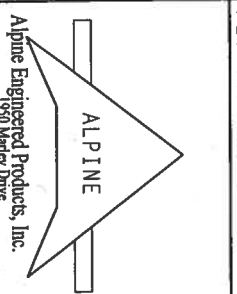
R-413 U-180 H-Simpson LU24  
w/ (2) 10d, 0.148"x1.5" nails in Truss  
w/ (4) 10d Common, 0.148"x3.0" nails in Girder  
Girder is (2)2X6 min. So.Pine

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7.24

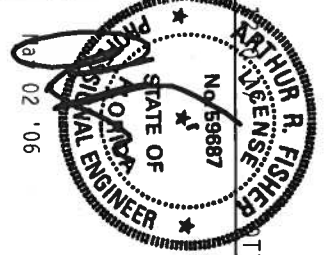
FL/-/4/-/-/R/-

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 O'CONNOR DR., SUITE 200, MADISON, WI 53719) AND NCA (NATIONAL 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 THE DESIGN OR ANY FALLING OF TRUSSES. TRUSS CONNECTIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. APPLY CONNECTOR PLATES ARE MADE OF 2018/1604 (K/H/S/K) ASTM A553 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 1604, 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. THE CREATIVITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNER.



TC LL	30.0 PSF	REF R487 - - 62230
TC DL	15.0 PSF	DATE 05/02/06
BC DL	10.0 PSF	DRW HCUSR487 06122040
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEON- 100556
DUR.FAC.	1.25	

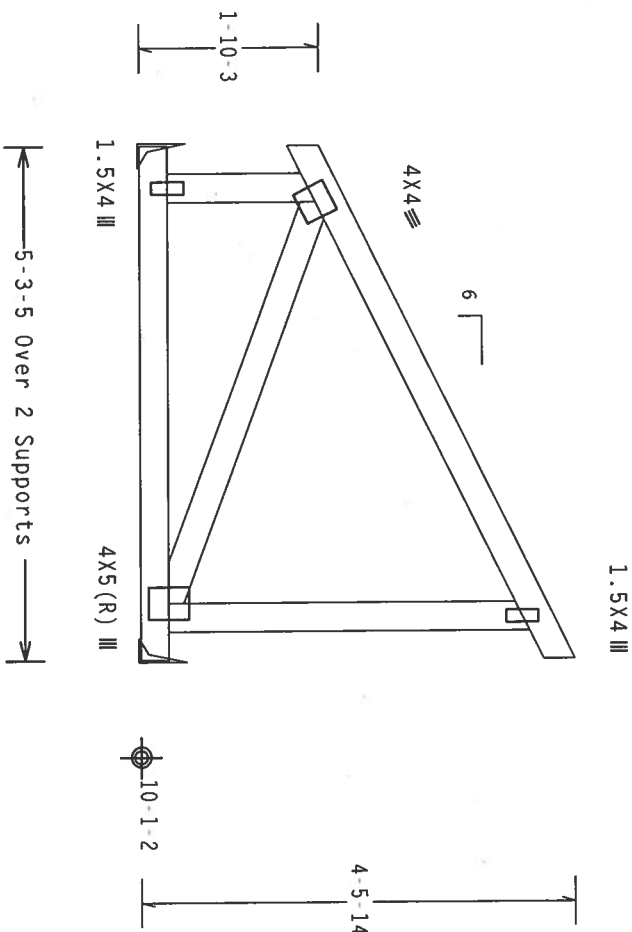
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

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.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



R-300 U-180 H-Simpson LU24  
w/ (2) 10d, 0.148"x1.5" nails in Truss  
w/ (4) 10d Common, 0.148"x3.0" nails in Girder  
Girder is (2)2X6 min. So.Pine

R-300 U-180 H-Simpson LU24  
w/ (2) 10d, 0.148"x1.5" nails in Truss  
w/ (4) 10d Common, 0.148"x3.0" nails in Girder  
Girder is (2)2X6 min. So.Pine

PLT TYP. Wave

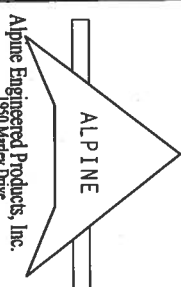
Design Cnt: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

7.24

TY:1

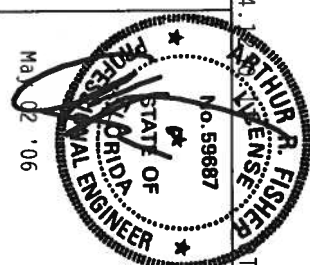
FL/-/4/-/-/R/-

Scale =.5"/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'ONOFIO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

\*\*\*IMPORTANT\*\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF THE TRUSS DESIGN COMPONENTS WITH APPLICABLE PROVISIONS OF THE 2003 INTERNATIONAL RESIDENTIAL CODE BOOK, OR ANY OTHER CODES, STANDARDS, SPECIFICATIONS, OR REGULATIONS, SHALL BE THE RESPONSIBILITY OF THE INSTALLER. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. THE ENGINEER'S SEAL AND THE SEAL OF THE CONTRACTOR END AND SIGNATURE IS THE RESPONSIBILITY OF THE CONTRACTOR.

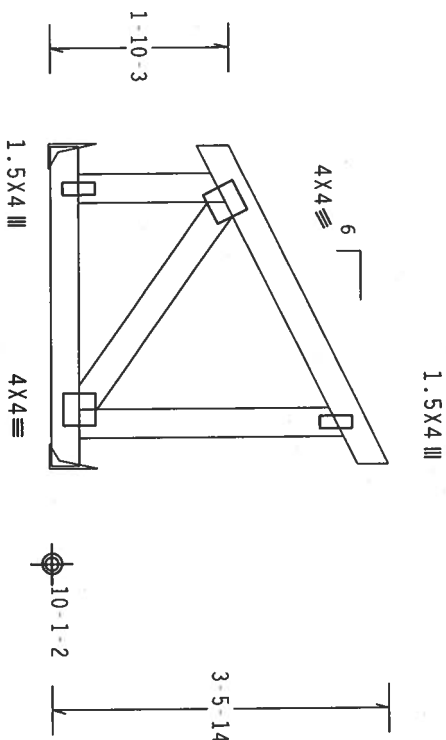


TC LL	30.0 PSF	REF	R487-- 62231
TC DL	15.0 PSF	DATE	05/02/06
BC DL	10.0 PSF	DRW	HCUSR487 06122059
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	100577
DUR.FAC.	1.25		

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 use purlins to brace IC @ 24" OC.

Deflection meets  $L/360$  live and  $L/240$  total load. Creep increase factor for dead load is 1.50.




R-186 U-180 H-Simpson LU24  
w/ (2) 10d, 0.148"x1.5" nails in Truss  
w/ (4) 10d Common, 0.148"x3.0" nails in Girder  
Girder is (2)2x6 min. So Pine

### K-3-5 Over 2 Supports

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

7.24.1 FL - 4 - R

Scale = .5" / Ft.



**ALPINE**  
Engineered Products, Inc.  
1650 Kearsley Drive  
Ann Arbor, MI 48106

\* \*\*WARNING\*\* \* HIGHS REQUIRE EXTENSIVE CARE IN FABRICATION, MANULING, SHIPPING, INSTALLING AND BRACING. REFER TO GC51-1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 583 O'NEARO DR., SUITE 200, MADISON, WI 53719, AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION) 6500 ENTERPRISE BLVD., SUITE 100, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING TRUSS FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL CHORDS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPENY ATTACHED RIGID CEILING.

\* \*\*IMPORTANT\*\* \* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. UNLESS ENGINEERED OTHERWISE, THE FOLLOWING ARE THE MINIMUM DESIGN CRITERIA FOR THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH TPI'S SPECIFICATIONS OR FABRICATING, MANULING, SHIPPING, INSTALLING & BRACING OF TRUSSES CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIAA) AND TPI. ALTHOUGH CONNECTOR PLATES ARE MADE OF 2018/19/1664 (M/N/S/R) ASTM A563 GRADE 40/60 (M, K/H, S) GALV. STEEL, APPLY THESE TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LISTED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. IF AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEX A OR TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENTS.

May 07 1966

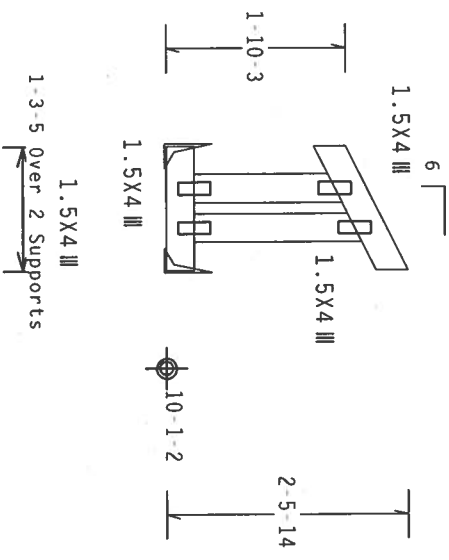
ARTHUR R. FISHER  
No. 55697  
STATE OF  
ENGINEER

TC LL	30.0 PSF	REF	R487-- 62232
TC DL	15.0 PSF	DATE	05/02/06
BC DL	10.0 PSF	DRW	HCUSR487 06122058
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	100586
DUR.FAC.	1.25		

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.  
Fasten rated sheathing to one face of this frame.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.  
In lieu of structural panels use purlins to brace TC @ 24" OC.  
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



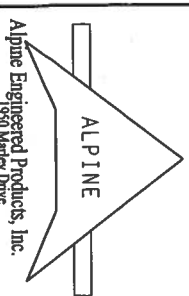
R=72 U=180 H-Simpson LU24  
w/ (2) 10d, 0.148"x1.5" nails in Truss  
w/ (4) 10d Common, 0.148"x3.0" nails in Girder  
Girder is (1)2X6 min. So.Pine

R=72 U=180 H-Simpson LU24  
w/ (2) 10d, 0.148"x1.5" nails in Truss  
w/ (4) 10d Common, 0.148"x3.0" nails in Girder  
Girder is (1)2X6 min. So.Pine

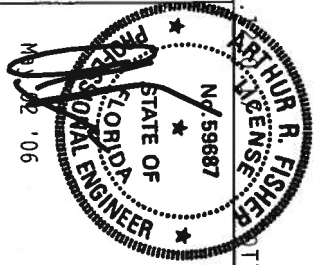
PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7.24

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



**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE TRUSS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF THE NATIONAL DESIGN SPEC. BY AISC/AIA AND TPI. APPLY CONNECTOR PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING OWNER.



TC LL	30.0 PSF	REF	R487-- 62233
TC DL	15.0 PSF	DATE	05/02/06
BC DL	10.0 PSF	DRW	HCSR487 06122029
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	100593
DUR.FAC.	1.25		

Scale =.5"/ft.

### 3 COMPLETE TRUSSES REQUIRED

### 3 COMPLETE TRUSSES REQUIRED

Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

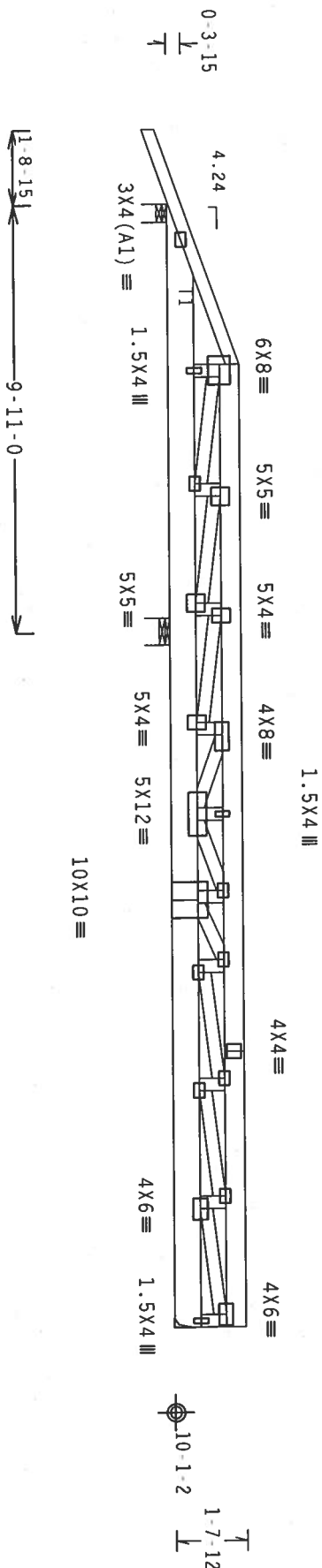
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

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.

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

Deflection meets  $L/360$  live and  $L/240$  total load. Creep increase factor for dead load is 1.50.

LOADING HAS BEEN CALCULATED BY THE TRUSS MANUFACTURER  
IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO  
VERIFY AND APPROVE THE LOADING.



R=1140 U=180 W=4.95

R=9164 U=289 W=7.5'

Note: All Plates Are 3X4 Except As Shown.

Design Crit:  $TPI-2002(STD)/FBC$ 


PLT TYP. Wave

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

7.24.13

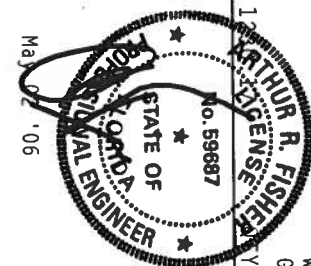
FL	-	4	-	-	R	-	Scale = .25"/Ft.
1							

Scale = .25" / ft.



ALPINE

Alpine Engineered Products, Inc.

[illegible]


TC LL	30.0 PSF	REF	R487 - - 62234
TC DL	15.0 PSF	DATE	05/02/06
BC DL	10.0 PSF	DRW	HCUSR487 06122030
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	100857
DUR.FAC.	1.25		



## SPECIAL LOADS

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

### 3 COMPLETE TRUSSES REQUIRED



Nailing Schedule: (12d. Box. or Gun (0.128"x3.25", min.)\_nails)  
Top Chord: 1 Row @ 2.00" o.c.  
Bot Chord: 1 Row @ 3.25" o.c.  
Webs  
          : 1 Row @ 4" o.c.  
Repeat nailing 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 7-02, CLOSED bldg, located  
anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0  
psf.

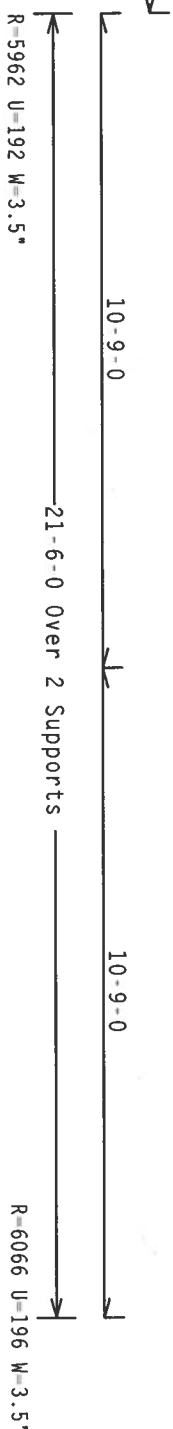
Deflection meets L/360 live and L/240 total load. Creep increase  
factor for dead load is 1.50.

### 3 COMPLETE TRUSSES REQUIRED

Repeat nailing 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 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

Deflection meets  $L/360$  live and  $L/240$  total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave


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

7.24.

PROPERTY: 1

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

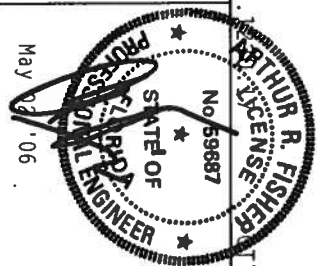
Scale = .3125"/Ft.



**Alpine Engineered Products, Inc.**  
1850 Market Drive

**\*\*WARNING\*\*** RUSSSES REMOVE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1 (0) (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATING INSTITUTE, 563 DOWNSFORD DR., SUITE 200, MALDEN, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE BLVD., SUITE 100, WISCONSIN DR., SUITE 100, MALDEN, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED IN THE MODIFICATIONS, THE TRUSS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CELLING.

**\*\*IMPORTANT\*\*** OBTAIN A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE PROPER DETAILING FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: (1) ON FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MOD (NATIONAL DESIGN SPEC. BY AIAA) AND TPI. ALPINE. CONNECTION PLATES ARE MADE OF 2018/1664 (W/J/S/F) ASTM A563 GRADE 40/60 (W. K/H-5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LISTED ON THIS DESIGN, POSITION PER DRAWINGS 1604-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEX A-4 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TRUSS COMPONENT



TC LL	30.0 PSF	REF	R487 - - 62235
TC DL	15.0 PSF	DATE	05/02/06
BC DL	10.0 PSF	DRW	HCUSR487 06122071
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT. LD.	55.0 PSF	SEON-	100838
DUR. FAC.	1.25		

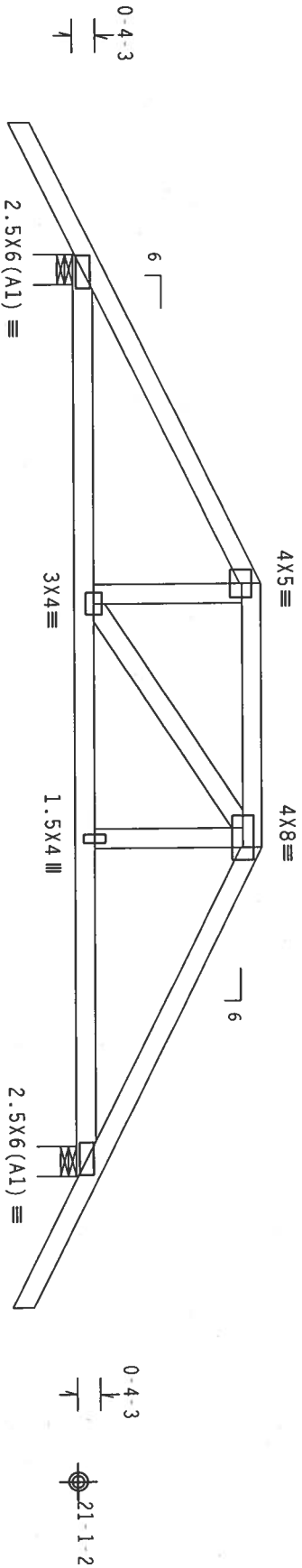
( 6-122--Isaac Construction Cady -- \*\* - T1 )

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

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 22.19 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.  
#1 hip supports 5'-0" jacks with no webs.



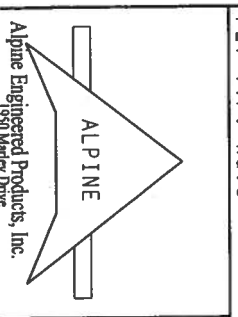
PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.24

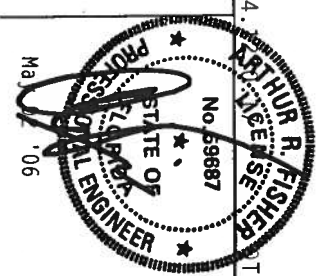
TY:1 FL-/4/-/-R/-

Scale = .375"/ft.



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

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI- OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL BUILDING CODE, 2003 EDITION, AND THE 2003 EDITION OF THE INTERNATIONAL RESIDENTIAL CODE, 2003 EDITION, AND THE 2003 EDITION OF THE INTERNATIONAL BUILDING CODE, 2003 EDITION. ANY INSPECTION OF TRUSSES AND JOISTS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, 2, 160B, 160C, 160D, 160E, 160F, 160G, 160H, 160I, 160J, 160K, 160L, 160M, 160N, 160O, 160P, 160Q, 160R, 160S, 160T, 160U, 160V, 160W, 160X, 160Y, 160Z, 160AA, 160AB, 160AC, 160AD, 160AE, 160AF, 160AG, 160AH, 160AI, 160AJ, 160AK, 160AL, 160AM, 160AN, 160AO, 160AP, 160AQ, 160AR, 160AS, 160AT, 160AU, 160AV, 160AW, 160AX, 160AY, 160AZ, 160BA, 160BB, 160BC, 160BD, 160BE, 160BF, 160BG, 160BH, 160BI, 160BJ, 160BK, 160BL, 160BM, 160BN, 160BO, 160BP, 160BQ, 160BR, 160BS, 160BT, 160BU, 160BV, 160BW, 160BX, 160BY, 160BZ, 160CA, 160CB, 160CC, 160CD, 160CE, 160CF, 160CG, 160CH, 160CI, 160CJ, 160CK, 160CL, 160CM, 160CN, 160CO, 160CP, 160CQ, 160CR, 160CS, 160CT, 160CU, 160CV, 160CW, 160CX, 160CY, 160CZ, 160DA, 160DB, 160DC, 160DD, 160DE, 160DF, 160DG, 160DH, 160DI, 160DJ, 160DK, 160DL, 160DM, 160DN, 160DO, 160DP, 160DQ, 160DR, 160DS, 160DT, 160DU, 160DV, 160DW, 160DX, 160DY, 160DZ, 160EA, 160EB, 160EC, 160ED, 160EE, 160EF, 160EG, 160EH, 160EI, 160EJ, 160EK, 160EL, 160EM, 160EN, 160EO, 160EP, 160EQ, 160ER, 160ES, 160ET, 160EU, 160EV, 160EW, 160EX, 160EY, 160EZ, 160FA, 160FB, 160FC, 160FD, 160FE, 160FF, 160FG, 160FH, 160FI, 160FJ, 160FK, 160FL, 160FM, 160FN, 160FO, 160FP, 160FQ, 160FR, 160FS, 160FT, 160FU, 160FV, 160FW, 160FX, 160FY, 160FZ, 160GA, 160GB, 160GC, 160GD, 160GE, 160GF, 160GG, 160GH, 160GI, 160GJ, 160GK, 160GL, 160GM, 160GN, 160GO, 160GP, 160GQ, 160GR, 160GS, 160GT, 160GU, 160GV, 160GW, 160GX, 160GY, 160GZ, 160HA, 160HB, 160HC, 160HD, 160HE, 160HF, 160HG, 160HH, 160HI, 160HJ, 160HK, 160HL, 160HM, 160HN, 160HO, 160HP, 160HQ, 160HR, 160HS, 160HT, 160HU, 160HV, 160HW, 160HX, 160HY, 160HZ, 160IA, 160IB, 160IC, 160ID, 160IE, 160IF, 160IG, 160IH, 160II, 160IJ, 160IK, 160IL, 160IM, 160IN, 160IO, 160IP, 160IQ, 160IR, 160IS, 160IT, 160IU, 160IV, 160IW, 160IX, 160IY, 160IZ, 160JA, 160JB, 160JC, 160JD, 160JE, 160JF, 160JG, 160JH, 160JI, 160JJ, 160JK, 160JL, 160JM, 160JN, 160JO, 160JP, 160JQ, 160JR, 160JS, 160JT, 160JU, 160JV, 160JW, 160JX, 160JY, 160JZ, 160KA, 160KB, 160KC, 160KD, 160KE, 160KF, 160KG, 160KH, 160KI, 160KJ, 160KK, 160KL, 160KM, 160KN, 160KO, 160KP, 160KQ, 160KR, 160KS, 160KT, 160KU, 160KV, 160KW, 160KX, 160KY, 160KZ, 160LA, 160LB, 160LC, 160LD, 160LE, 160LF, 160LG, 160LH, 160LI, 160LJ, 160LK, 160LL, 160LM, 160LN, 160LO, 160LP, 160LQ, 160LR, 160LS, 160LT, 160LU, 160LV, 160LW, 160LX, 160LY, 160LZ, 160MA, 160MB, 160MC, 160MD, 160ME, 160MF, 160MG, 160MH, 160MI, 160MJ, 160MK, 160ML, 160MN, 160MO, 160MP, 160MQ, 160MR, 160MS, 160MT, 160MU, 160MV, 160MW, 160MX, 160MY, 160MZ, 160NA, 160NB, 160NC, 160ND, 160NE, 160NF, 160NG, 160NH, 160NI, 160NJ, 160NK, 160NL, 160NM, 160NO, 160NP, 160NQ, 160NR, 160NS, 160NT, 160NU, 160NV, 160NW, 160NX, 160NY, 160NZ, 160OA, 160OB, 160OC, 160OD, 160OE, 160OF, 160OG, 160OH, 160OI, 160OJ, 160OK, 160OL, 160OM, 160ON, 160OO, 160OP, 160OQ, 160OR, 160OS, 160OT, 160OU, 160OV, 160OW, 160OX, 160OY, 160OZ, 160PA, 160PB, 160PC, 160PD, 160PE, 160PF, 160PG, 160PH, 160PI, 160PJ, 160PK, 160PL, 160PM, 160PN, 160PO, 160PP, 160PQ, 160PR, 160PS, 160PT, 160PU, 160PV, 160PW, 160PX, 160PY, 160PZ, 160QA, 160QB, 160QC, 160QD, 160QE, 160QF, 160QG, 160QH, 160QI, 160QJ, 160QK, 160QL, 160QM, 160QN, 160QO, 160QP, 160QQ, 160QR, 160QS, 160QT, 160QU, 160QV, 160QW, 160QX, 160QY, 160QZ, 160RA, 160RB, 160RC, 160RD, 160RE, 160RF, 160RG, 160RH, 160RI, 160RJ, 160RK, 160RL, 160RM, 160RN, 160RO, 160RP, 160RQ, 160RR, 160RS, 160RT, 160RU, 160RV, 160RW, 160RX, 160RY, 160RZ, 160SA, 160SB, 160SC, 160SD, 160SE, 160SF, 160SG, 160SH, 160SI, 160SJ, 160SK, 160SL, 160SM, 160SN, 160SO, 160SP, 160SQ, 160SR, 160SS, 160ST, 160SU, 160SV, 160SW, 160SX, 160SY, 160SZ, 160TA, 160TB, 160TC, 160TD, 160TE, 160TF, 160TG, 160TH, 160TI, 160TJ, 160TK, 160TL, 160TM, 160TN, 160TO, 160TP, 160TQ, 160TR, 160TS, 160TT, 160TU, 160TV, 160TW, 160TX, 160TY, 160TZ, 160UA, 160UB, 160UC, 160UD, 160UE, 160UF, 160UG, 160UH, 160UI, 160UJ, 160UK, 160UL, 160UM, 160UN, 160UO, 160UP, 160UQ, 160UR, 160US, 160UT, 160UU, 160UV, 160UW, 160UX, 160UY, 160UZ, 160VA, 160VB, 160VC, 160VD, 160VE, 160VF, 160VG, 160VH, 160VI, 160VJ, 160VK, 160VL, 160VM, 160VN, 160VO, 160VP, 160VQ, 160VR, 160VS, 160VT, 160VU, 160VV, 160VW, 160VX, 160VY, 160VZ, 160WA, 160WB, 160WC, 160WD, 160WE, 160WF, 160WG, 160WH, 160WI, 160WJ, 160WK, 160WL, 160WM, 160WN, 160WO, 160WP, 160WQ, 160WR, 160WS, 160WT, 160WU, 160WV, 160WW, 160WX, 160WY, 160WZ, 160XA, 160XB, 160XC, 160XD, 160XE, 160XF, 160XG, 160XH, 160XI, 160XJ, 160XK, 160XL, 160XM, 160XN, 160XO, 160XP, 160XQ, 160XR, 160XS, 160XT, 160XU, 160XV, 160XW, 160XX, 160XY, 160XZ, 160YA, 160YB, 160YC, 160YD, 160YE, 160YF, 160YG, 160YH, 160YI, 160YJ, 160YK, 160YL, 160YM, 160YN, 160YO, 160YP, 160YQ, 160YR, 160YS, 160YT, 160YU, 160YV, 160YW, 160YX, 160YY, 160YZ, 160ZA, 160ZB, 160ZC, 160ZD, 160ZE, 160ZF, 160ZG, 160ZH, 160ZI, 160ZJ, 160ZK, 160ZL, 160ZM, 160ZN, 160ZO, 160ZP, 160ZQ, 160ZR, 160ZS, 160ZT, 160ZU, 160ZV, 160ZW, 160ZX, 160ZY, 160ZZ.

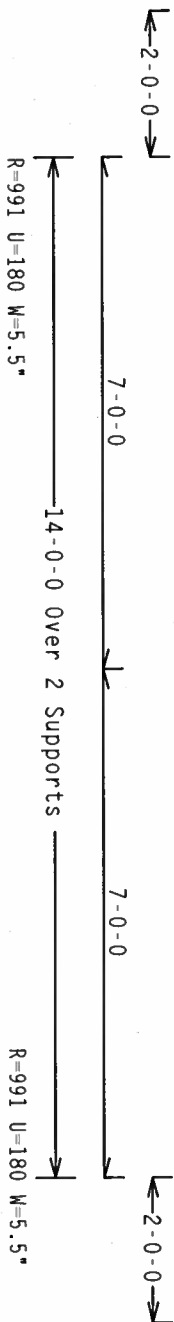
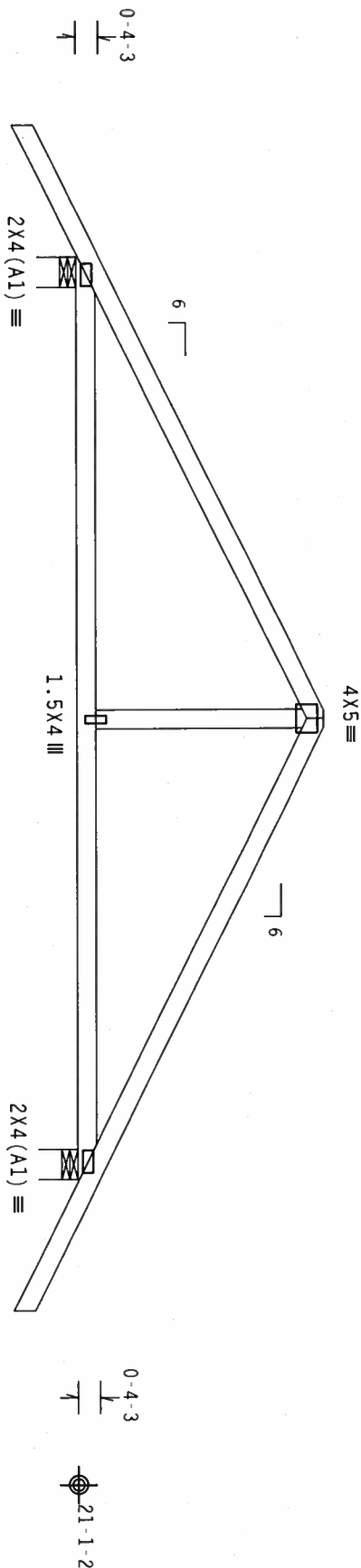


TC LL	30.0 PSF	REF	R487 - 62236
TC DL	15.0 PSF	DATE	05/02/06
BC DL	10.0 PSF	DRW	HCUSR487 06122007
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT. LD.	55.0 PSF	SEGN	95627
DUR. FAC.	1.25		

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

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

110 mph wind, 22.66 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.  
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

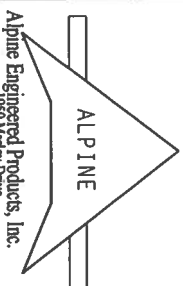
Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

7.24.12

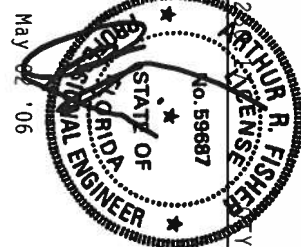
Scale = .375"/ft.

**\*\*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, 563 DORFRIED DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/ASI AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASH/ALSS GRADE 40/60 (K, K/H/S) GALV. STEEL. APPLY 2 PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE SPECIFIED, 3" MIN. OVERLAP PER DRAWING OR THIS SPECIFICATION. REFER TO TPI-2002 SECTION 1.03 FOR MORE INFORMATION. THE ENGINEER'S RESPONSIBILITY FOR THE TRUSS COMPONENT DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT.



Alpine Engineered Products, Inc.  
10601 Madison Drive



FL/-/4/-/R/-	Scale = .375"/ft.
TC LL	30.0 PSF
TC DL	15.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT. LD.	55.0 PSF
DUR. FAC.	1.25

REF	R487--	62237
DATE	05/02/06	
DRW	HCSR487	06122038
HC-ENG	JB/AF	
SEON-	95632	

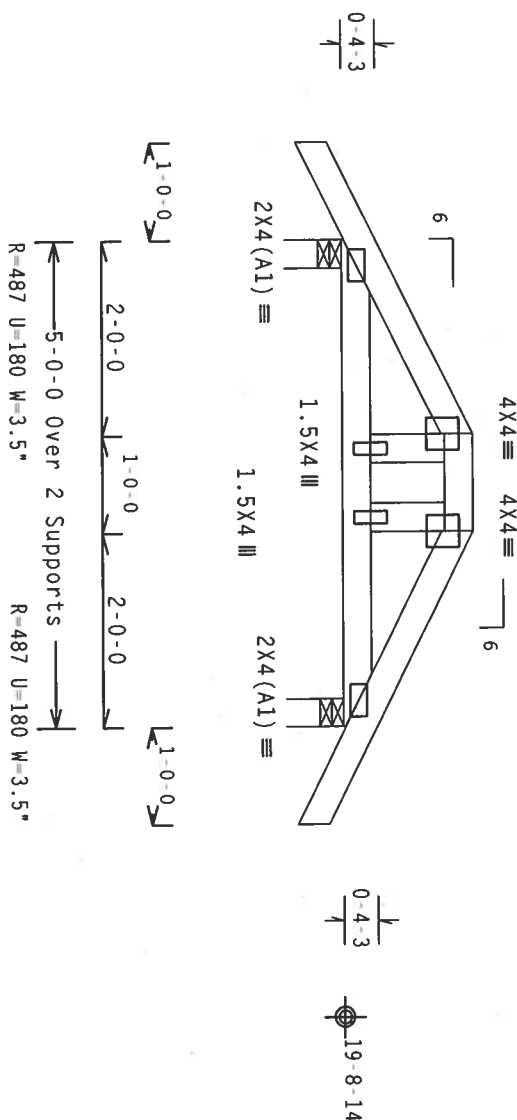
110 mph wind, 20.34 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

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

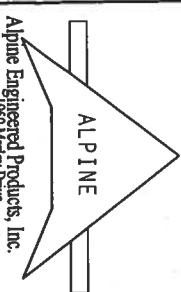
SPECIAL LOADS

	(LUMBER	DUR.FAC. = 1.25	/	PLATE	DUR.FAC. = 1.25)
TC - From	94 PLF at	-1.00 to	94 PLF at	6.00	
BC - From	4 PLF at	-1.00 to	4 PLF at	0.00	
BC - From	20 PLF at	0.00 to	20 PLF at	5.00	
BC - From	4 PLF at	5.00 to	4 PLF at	6.00	
TC -	86 LB Conc.	Load at	2.06,	2.94	
BC -	19 LB Conc.	Load at	2.06,	2.94	

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



PLT TYP. wave

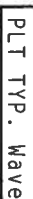


**\*\*WARNING\*\*** \*T\* RAILS REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RC51-1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS RAIL INSTITUTE, 580 O'CONNOR DR., SUITE 200, MADISON, WI 53718) AND THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC, 1801 M. ST., SUITE 100, MADISON, WI 53718) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE TASKS. THE USE OF A PROPERLY ATTACHED TRUSS RAIL SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CHANGING.

FL/-4/-1/R/-		Scale =.5"/ft.
TC LL	30.0 PSF	REF R487 - - 62238
TC DL	15.0 PSF	DATE 05/02/06
BC DL	10.0 PSF	DRW HCURSR487 06122045
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEON- 6083
DUR.FAC.	1.25	

110 mph wind, 20.46 ft mean hgt, ASCE 7-02, closed bldg, not located within 4.50 ft from roof edge, CAT II, EXP 8, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

Deflection meets  $L/360$  live and  $L/240$  total load. Creep increase factor for dead load is 1.50.


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

FL/-/4/-/1/-/R/-/

Scale -.5"/ft.

No. 59687

REF	R487 - - 62233
DATE	05/02/06
DBM	WCLSPB87 061220

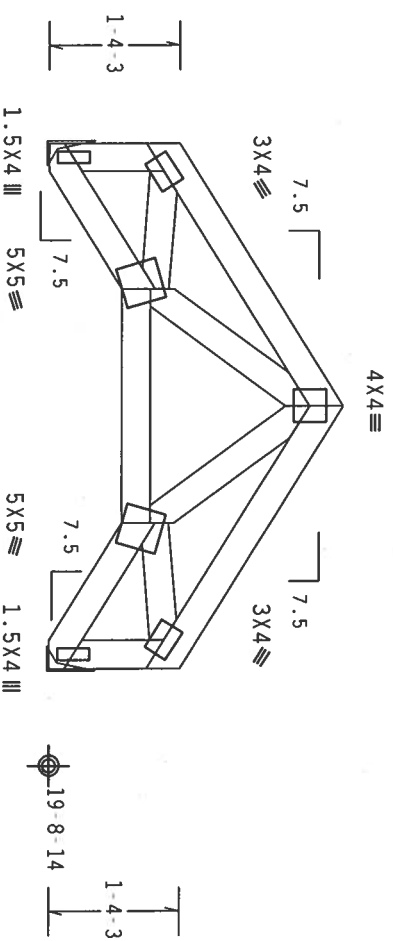
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEON- 6061
DUR.FAC.	1.25	
SPACING	24 0"	JRFF- 15UWART 701

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.

110 mph wind, 21.93 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

In lieu of structural panels use purlins to brace TC @ 24" OC.  
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



R-316 U=180 H=Simpson LU24  
w/ (2) 10d, 0.148"x1.5" nails in Truss  
w/ (4) 10d common, 0.148"x3.0" nails in Girder  
Girder is (2)2x6 min. So.Pine

R-316 U=180 H=Simpson LU24  
w/ (2) 10d, 0.148"x1.5" nails in Truss  
w/ (4) 10d common, 0.148"x3.0" nails in Girder  
Girder is (2)2x6 min. So.Pine

PLT TYP. Wave

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

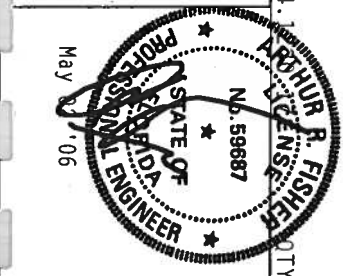
**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ALL TRUSSES MUST BE DESIGNED AND ENGINEERED BY A LICENSED PROFESSIONAL ENGINEER. THE TRUSS DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN AND THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS FABRICATION. THE 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 NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-2002 OR FABRICATION, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MOS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI-2002. CONNECTOR PLATES ARE MADE OF 2018/1664 (W.H/S/K) ASTM A653 GRADE 40/60 (W. K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK AS OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TRUSS COMPONENT DESIGN AND MANUFACTURE. THE SEAL IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANS/TPI 1 SEC. 2.

ALPINE

Alpine Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844  
Phone # 567

Scale of 1/4" = 1'-0"



TC LL	30.0 PSF	REF R487-- 62241
TC DL	15.0 PSF	DATE 05/02/06
BC DL	10.0 PSF	DRW HCUSR487 06122055
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEON- 6091
DUR.FAC.	1.25	
SPACING	24.0"	JRFF- 1SWV487 202

Scale =.5"/Ft.



110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

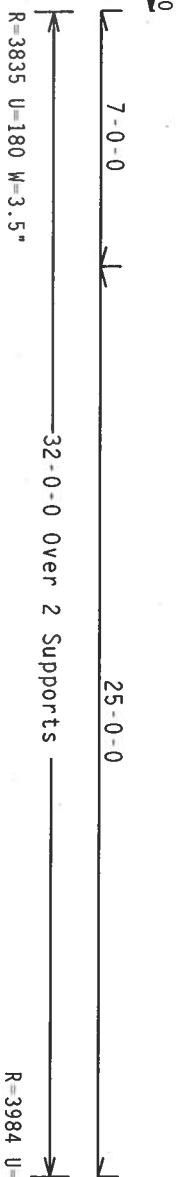
#1 hip supports 7-0-0 jacks with no webs

Nailing Schedule: (12d\_Box\_or\_Gun\_(0.128"x3.25",\_min.)\_nails,  
@12\_00" o.c.)

Right end vertical not exposed to wind pressure.

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

Deflection meets  $L/360$  live and  $L/240$  total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC

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

7.24.12

FL/4/-/-/R/-

Scale = .1875"/Ft.

\*\*\*WARNING\*\*\* THESE REQUIRE EXPERTISE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFIO DR., SUITE 200, MADISON, WI 53719) AND WCA (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.

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

PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONSIDERING LIVE AND DEAD LOADS, ROOFING, INSULATION, OR WIND, SEISMIC, CRACKING, CORROSION, OR OTHER FACTORS.

DESIGN COMPLIES WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIAA) AND TPI CONNECTOR PLATES ARE MADE OF 3018/16GA (H H56K) ASTM A563 GRADE 40/60 (H H40 S) GALV.

AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC. 3. A SFU ON THIS PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE NOTED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2

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.

SCA	24	0"	100%
DUR.	FAC.	1.25	
TOT.	LD.	55.0	PSF
BC	LL	0.0	PSF
BC	DL	10.0	PSF
TC	DL	15.0	PSF
TC	LL	30.0	PSF

R-3984 U-180 H-Simpson HGU26-2  
W/ (6) 16d, 0.162"x2.5" nails in Truss  
W/ (20) 16d, 0.162"x2.5" nails in Girder  
Order is (2)x6 min. So. Pine

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

Scale = .1875"/Ft.

TC LL	30.0
-------	------

REF R487 -- 62242

TC	DL	15.0
BC	DI	10.0

DATE 05/02/06

BC LL	0.0
-------	-----

HC-ENG JB/AF

TOT.LD. 55.0

SEQN - 95693

DUR. FAC.	1.25
-----------	------

ה

SPACING 24.0"

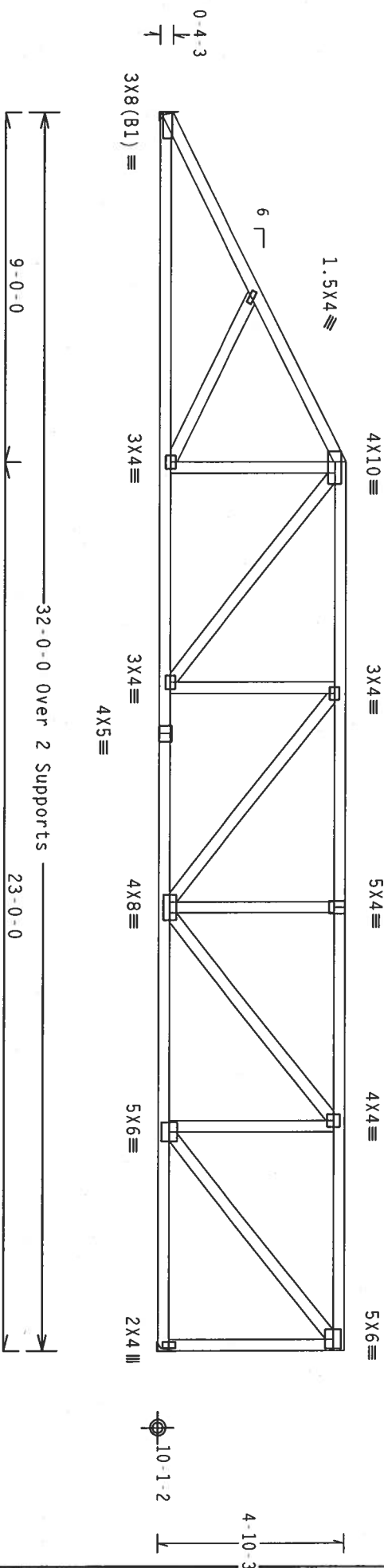
JKFF - 15WV487 202

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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

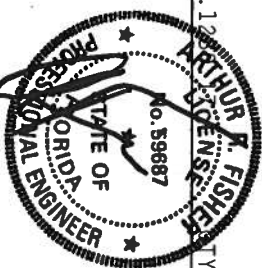
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



R-1810 U-180 H-Stimpson RHS26  
w/ (4) 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

Scale = .25"/Ft.

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

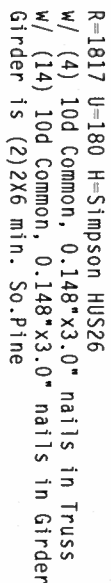
[illegible]

TC LL	30.0 PSF	REF	R487 - 62243
TC DL	15.0 PSF	DATE	05/02/06
BC DL	10.0 PSF	DRW	HCUSR487 06122017
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	95703
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SWV487 Z02

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



R=1817 U=180 H=Stimpson HUS26  
W/ (4) 10d Common, 0.148"x3.0" nails in Truss  
W/ (14) 10d Common, 0.148"x3.0" nails in Girder  
Girder is (2)2X6 min. So.Pine

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

 $Cq/RT=1.00(1.25)/10(0) \quad 7.24.$ 

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

Scale = .25"/Ft.

**WARNING:** FRASSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS1 10 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 5803 O'HEIRIO RD., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES APPLICABLE 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.

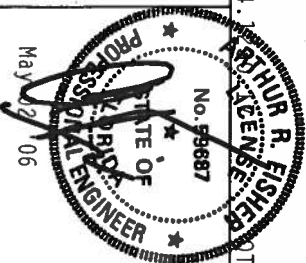
**\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR**

ALPINE ENGINEERED

ALPINE

Alpine Engineered Products, Inc.

1930 Marley Drive  
Haines City, FL 33844  
Certificate of Appointment # 567

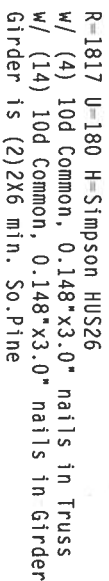


TC LL	30.0 PSF	REF	R487 - - 62244
TC DL	15.0 PSF	DATE	05/02/06
BC DL	10.0 PSF	DRW	HCUSR487 06122015
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	95712
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SMV487 202

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



Scale = .25"/Ft.

DESIGN SHOWN. THE SOLIDITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Haines City, FL 33844  
Certificate of Authorization # 567

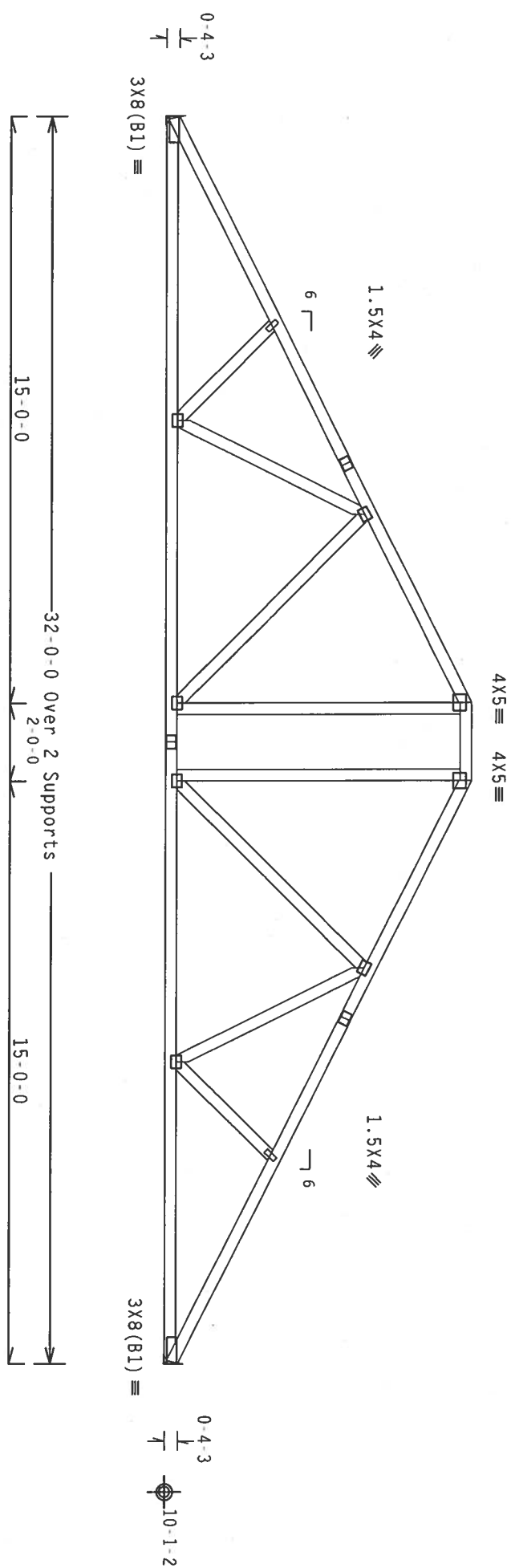
May 02 '06

TC LL	30.0 PSF	REF	R487 - 62245
TC DL	15.0 PSF	DATE	05/02/06
BC DL	10.0 PSF	DRW	HCUSR487 06122013
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN -	95724
DUR.FAC.	1.25		
SPACING	24.0"	JRFF -	1SWV487 202

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.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.  
In lieu of structural panels use purlins to brace TC @ 24" OC.  
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



R=1817 U-180 H-Simpson HUS26  
w/ (4) 10d Common, 0.148"x3.0" nails in Truss  
w/ (14) 10d Common, 0.148"x3.0" nails in Girder  
Girder is (2)2X6 min. So.Pine

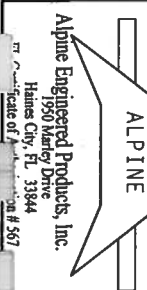
R=1817 U-180 H-Simpson HUS26  
w/ (4) 10d Common, 0.148"x3.0" nails in Truss  
w/ (14) 10d Common, 0.148"x3.0" nails in Girder  
Girder is (2)2X6 min. So.Pine

Note: All Plates Are 3X4 Except As Shown.

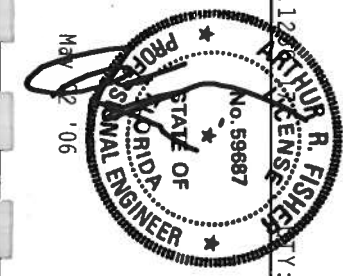
PLT TYP. Wave Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7.24.12

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO THE MANUFACTURER'S INSTRUCTIONS FOR THE PROPER BRACING OF THE TRUSS. THE TRUSS SHALL BE BRACED TO THE 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 AREA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASIN A653 GRADE 40/60 (W. K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A.2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMES AS OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SHALL BE REQUIRED. ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER AME/TP1 1 SEC. 2.



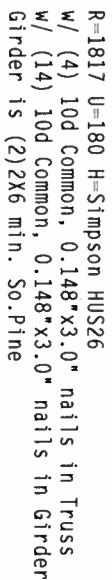
Alpine Engineered Products, Inc.  
1950 Marney Drive  
Haines City, FL 33844  
Phone: 888-567-567



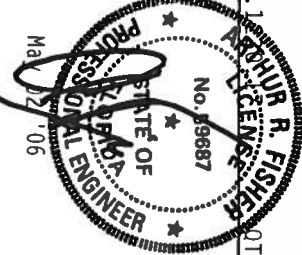
TC LL	30.0 PSF	REF	R487--	62246
TC DL	15.0 PSF	DATE	05/02/06	
BC DL	10.0 PSF	DRW	HCUSR487	06122012
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	55.0 PSF	SEON-	95732	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SWV487	202

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, closed bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

In lieu of structural panels use purtins to brace TC @ 24" OC.  
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



Scale = .25" / Ft.



TC LL	30.0 PSF	REF	R487 - 62247
TC DL	15.0 PSF	DATE	05/02/06
BC DL	10.0 PSF	DRW	HCUSR487 06122020
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEON-	95746
DUR.FAC.	1.25		
SPACING	24.0"	UREF -	1SWV487_Z02



# BEARING BLOCK NAIL SPACING DETAIL

MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

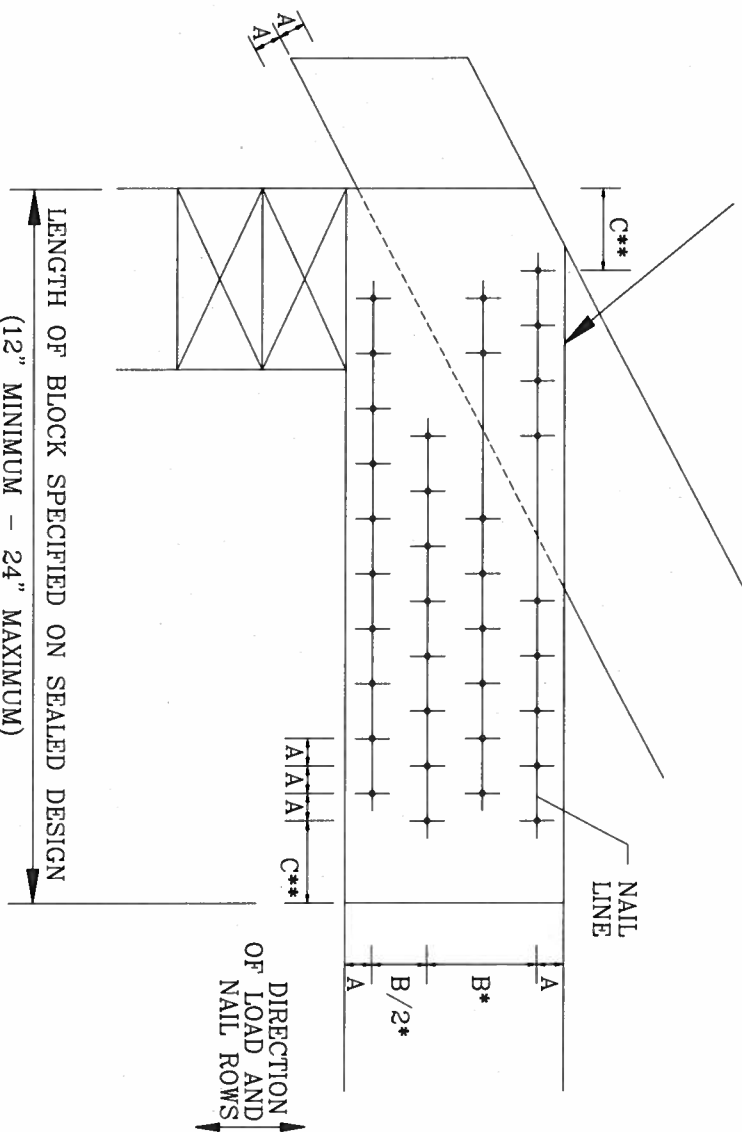
MINIMUM SPACING FOR SINGLE BEARING BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

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

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

- SPACING MAY BE REDUCED BY 50%
- SPACING MAY BE REDUCED BY 33%

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



NAIL TYPE	CHORD SIZE				
	2X4	2X6	2X8	2X10	2X12
8d BOX (0.113"x2.5")	3	6	9	12	15
10d BOX (0.128"x3")	3	5	7	10	12
12d BOX (0.128"x3.25")	3	5	7	10	12
16d BOX (0.135"x3.5")	3	5	7	10	12
20d BOX (0.148"x4")	2	4	5	6	8
8d COMMON (0.131"x2.5")	3	5	7	10	12
10d COMMON (0.148"x3")	2	4	6	8	10
12d COMMON (0.148"x3.25")	2	4	6	8	10
16d COMMON (0.162"x3.5")	2	4	6	8	10
0.120"x2.5" GUN	3	6	8	11	14
0.131"x2.5" GUN	3	5	7	10	12
0.120"x3.0" GUN	3	6	8	11	14
0.131"x3.0" GUN	3	5	7	10	12

## MINIMUM NAIL SPACING DISTANCES

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

THIS DRAWING REPLACES DRAWING B139 AND CNBRCBLK0699

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.  
POMPAHO BEACH, FLORIDA

