

DATE	12/30/2005				Columbia County Building Permit				PERMIT					
										000024001				
This Permit Expires One Year From the Date of Issue														
APPLICANT	LINDA RODER				PHONE	752-2281								
ADDRESS	387	SW KEMP COURT			LAKE CITY	FL	32024							
OWNER	SETH HEITZMAN				PHONE	867-1295								
ADDRESS	536	NW SPRING HOLLOW BLVD			LAKE CITY	FL	32055							
CONTRACTOR	SETH HEITZMAN				PHONE	867-1295								
LOCATION OF PROPERTY	90E, TL ON LAKE JEFFREY ROAD, TL ON SPRING HOLLOW BLVD, LOT ON LEFT ACROSS FROM PERKINS PLACE													
TYPE DEVELOPMENT	SFD,UTILITY				ESTIMATED COST OF CONSTRUCTION				131450.00					
HEATED FLOOR AREA	2629.00		TOTAL AREA		3452.00		HEIGHT			STORIES	1			
FOUNDATION	CONC		WALLS	FRAMED		ROOF PITCH	8/12		FLOOR	SLAB				
LAND USE & ZONING	RSF-2				MAX. HEIGHT				24					
Minimum Set Back Requirments:	STREET-FRONT		25.00		REAR	15.00		SIDE	10.00					
NO. EX.D.U.	0		FLOOD ZONE	X PS		DEVELOPMENT PERMIT NO.								
PARCEL ID	24-3S-16-02273-021				SUBDIVISION	SPRNG HOLLOW								
LOT	30	BLOCK			PHASE			UNIT			TOTAL ACRES			
000000931 CBC1251065														
Culvert Permit No.	Culvert Waiver		Contractor's License Number				Applicant/Owner/Contractor							
CULVERT	05-1149-N		BK		JH		Y							
Driveway Connection	Septic Tank Number		LU & Zoning checked by				Approved for Issuance		New Resident					
COMMENTS:	ONE FOOT ABOVE PAVED RD, 2 FT ABOVE DIRT ROAD, NOC ON FILE													
										Check # or Cash	1887			
FOR BUILDING & ZONING DEPARTMENT ONLY (footer/Slab)														
Temporary Power	01/23/2006	RJ	Foundation				Monolithic							
		date/app. by				date/app. by				date/app. by				
Under slab rough-in plumbing					Slab					Sheathing/Nailing				
		date/app. by				date/app. by				date/app. by				
Framing					Rough-in plumbing above slab and below wood floor									
		date/app. by								date/app. by				
Electrical rough-in					Heat & Air Duct					Peri. beam (Lintel)				
		date/app. by				date/app. by				date/app. by				
Permanent power					C.O. Final					Culvert				
		date/app. by				date/app. by				date/app. by				
M/H tie downs, blocking, electricity and plumbing									Pool					
						date/app. by				date/app. by				
Reconnection					Pump pole					Utility Pole				
		date/app. by				date/app. by				date/app. by				
M/H Pole					Travel Trailer					Re-roof				
		date/app. by				date/app. by				date/app. by				
BUILDING PERMIT FEE \$	660.00		CERTIFICATION FEE \$	17.26		SURCHARGE FEE \$	17.26							
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	769.52				
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.														

DATE 12/30/2005

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000024001

APPLICANT LINDA RODER PHONE 752-2281

ADDRESS 387 SW KEMP COURT LAKE CITY FL 32024

OWNER SETH HEITZMAN PHONE 867-1295

ADDRESS 536 NW SPRING HOLLOW BLVD LAKE CITY FL 32055

CONTRACTOR SETH HEITZMAN PHONE 867-1295

LOCATION OF PROPERTY 90E, TL ON LAKE JEFFREY ROAD, TL ON SPRING HOLLOW
BLVD, LOT ON LEFT ACROSS FROM PERKINS PLACE

TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 131450.00

HEATED FLOOR AREA 2629.00 TOTAL AREA 3452.00 HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 8/12 FLOOR SLAB

LAND USE & ZONING RSF-2 MAX. HEIGHT 24

Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00

NO. EX.D.U. 0 FLOOD ZONE X PS DEVELOPMENT PERMIT NO.

PARCEL ID 24-3S-16-02273-021 SUBDIVISION SPRNG HOLLOW

LOT 30 BLOCK PHASE UNIT TOTAL ACRES

000000931 CBC1251065

Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor

CULVERT 05-1149-N BK JH Y

Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: ONE FOOT ABOVE PAVED RD, 2 FT ABOVE DIRT ROAD, NOC ON FILE

Check # or Cash 1887

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power Foundation Monolithic

 date/app. by date/app. by date/app. by

Under slab rough-in plumbing Slab Sheathing/Nailing

 date/app. by date/app. by date/app. by

Framing Rough-in plumbing above slab and below wood floor

 date/app. by date/app. by

Electrical rough-in Heat & Air Duct Peri. beam (Lintel)

 date/app. by date/app. by date/app. by

Permanent power C.O. Final Culvert

 date/app. by date/app. by date/app. by

M/H tie downs, blocking, electricity and plumbing Pool

 date/app. by date/app. by

Reconnection Pump pole Utility Pole

 date/app. by date/app. by date/app. by

M/H Pole Travel Trailer Re-roof

 date/app. by date/app. by date/app. by

BUILDING PERMIT FEE \$ 660.00 CERTIFICATION FEE \$ 17.26 SURCHARGE FEE \$ 17.26

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 \$ 25.00 TOTAL FEE 794.52

INSPECTORS OFFICE CLERKS OFFICE

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

District No. 1 - Ronald Williams
District No. 2 - Dewey Weaver
District No. 3 - George Skinner
District No. 4 - Stephen E. Bailey
District No. 5 - Elizabeth Porter



BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY

MEMORANDUM

TO: Laurie Hodson, Office Manager
FROM: Lisa K.B. Roberts, Assistant County Manager
DATE: January 8, 2007
SUBJECT: Fee Refund

Please be advised that the Columbia County Board of County Commissioners, in regular session held January 4, 2007, approved a permit fee refund to Seth Heitzman (Permit # 24001) in the amount of \$694.52.

The approval was granted as the property owner will reapply for a permit on Lot 30 in Springhollow Subdivision to construct a smaller home on lot due to slop. Therefore, refund of the original permit was requested by property owner.

By copy of this memorandum, Accounting is requested to cut a check in the amount of \$694.52 payable to Seth Heitzman, P.O. Box 3642, Lake City, FL. 32056.

XC: John Kerce, Building & Zoning Director
Brian Kepner, County Planner
Outgoing Correspondence

BOARD MEETS FIRST THURSDAY AT 7:00 P.M.
AND THIRD THURSDAY AT 7:00 P.M.

P. O. BOX 1529 ▼

LAKE CITY, FLORIDA 32056-1529 ▼

PHONE (386) 755-4100

District No. 1 - Ronald Williams
District No. 2 - Dewey Weaver
District No. 3 - George Skinner
District No. 4 - Stephen E. Bailey
District No. 5 - Elizabeth Porter



BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY

December 29, 2006

TO: Columbia County Board of County Commissioners

FR: Laurie Hodson, Building & Zoning Office Manager 

RE: Permit refund

A refund of \$694.52, the permit fee, is requested for Seth Heitzman. Permit 24001 was originally pulled on December 30, 2005. The Building Department has done no inspections reference to this permit. Please see the attached letter of explanation from contractor.

Fee paid by check # 1887, for a total amount of \$769.52, receipt # 24001. Only \$694.52 of the permit fees are refundable. This is not including the flood zone fee and the zoning fee for a total of \$75.00, which is work the Building Department staff has performed in reference to the permit.

The fee was deposited into account: MSBU – Permits - 322.100

Payable to: Seth Heitzman
PO Box 3642
Lake City, FL 32056
386-719-3887

XC: Lisa Roberts
Permit file

BOARD MEETS FIRST THURSDAY AT 7:00 P.M.
AND THIRD THURSDAY AT 7:00 P.M.

P. O. BOX 1529 ▼

LAKE CITY, FLORIDA 32056-1529 ▼

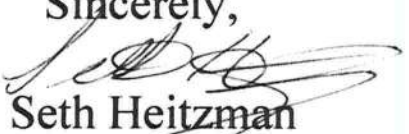
PHONE (386) 755-4100

8/17/06

Seth Heitzman Construction ,Inc.
CBC1251065
QB28147
P.O. Box 3642
Lake City, FL. 32056
(386)-719-3887

To: The Columbia County Building Dept./ County
Commissioners

This is a request for refund of my original permit for Lot 30
Spring Hollow Per#24001. I am putting a smaller house on
the lot because of the slop on the lot.

Sincerely,

Seth Heitzman
Owner/President

District No. 1 - Ronald Williams
District No. 2 - Dewey Weaver
District No. 3 - George Skinner
District No. 4 - Jennifer Flinn
District No. 5 - Elizabeth Porter

BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY



14 February 2006

Seth Heitzman
Seth Heitzman Construction
P. O. Box 3642
Lake City, FL 32056-3642

RE: Building Permit Lot 30, Spring Hollow Subdivision

Dear Seth:

A permit was issued for the above referenced property on 30 December 2005. Spring Hollow Subdivision has a home owners association that requires approval of the proposed homes as part of the covenants and deed restrictions. We are require through an agreement with the home owners association to receive a letter from them approving the home before issuing a building permit. This was an over sight on my part when the permit was issued. Please submit renderings of the house being built to the following person;

James S. Thomson
445 NW Spring Hollow Blvd
Lake City, FL 32055

We will not be able to make any more inspections on this lot until we have the letter from the home owners association.

If you have any questions concerning this matter, please do not hesitate to contact me at 386.758.1007.

Sincerely,

A handwritten signature in black ink, appearing to read "Brian L. Kepner".

Brian L. Kepner
Land Development Regulation Administrator,
County Planner

xc: James S. Thomson

BOARD MEETS FIRST THURSDAY AT 7:00 P.M.
AND THIRD THURSDAY AT 7:00 P.M.

P. O. BOX 1529 ▼

LAKE CITY, FLORIDA 32056-1529 ▼

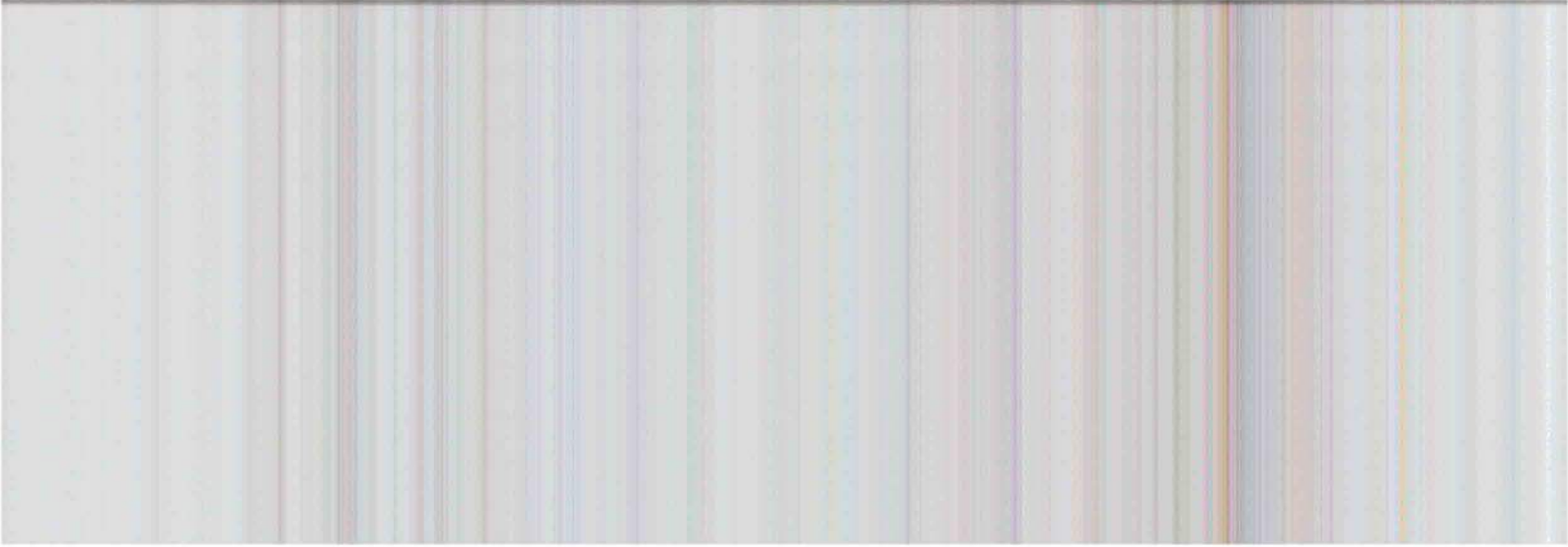
PHONE (386) 755-4100

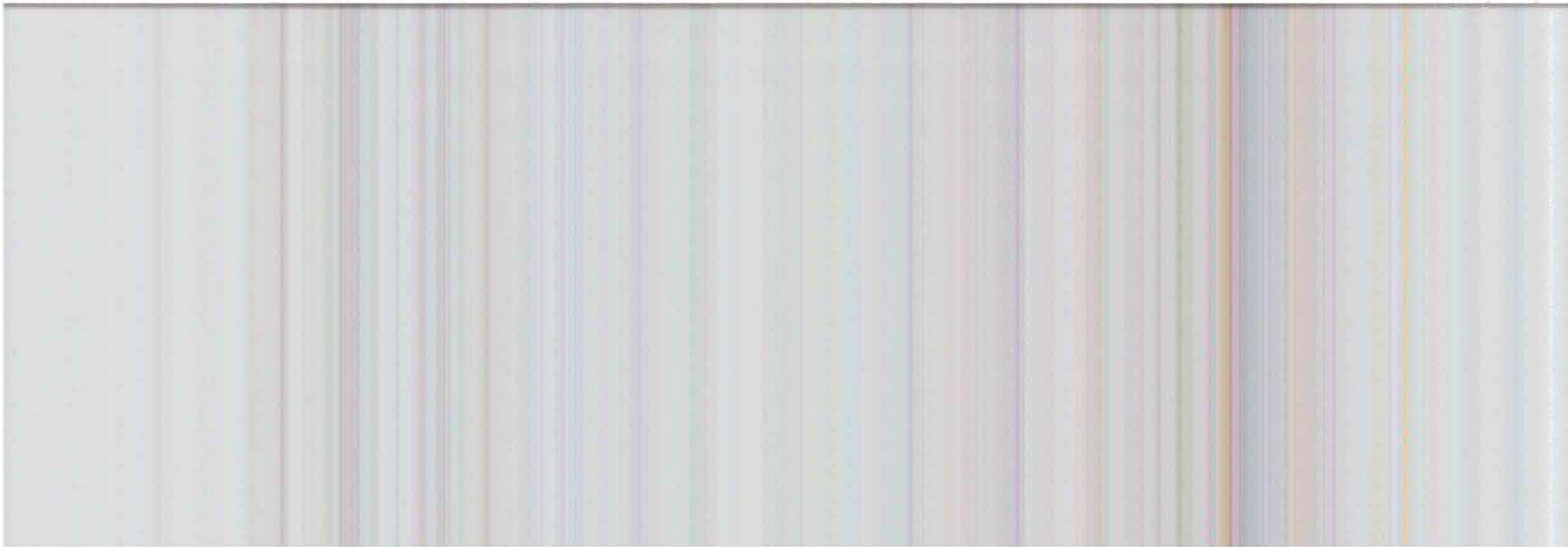


Set the engineers together

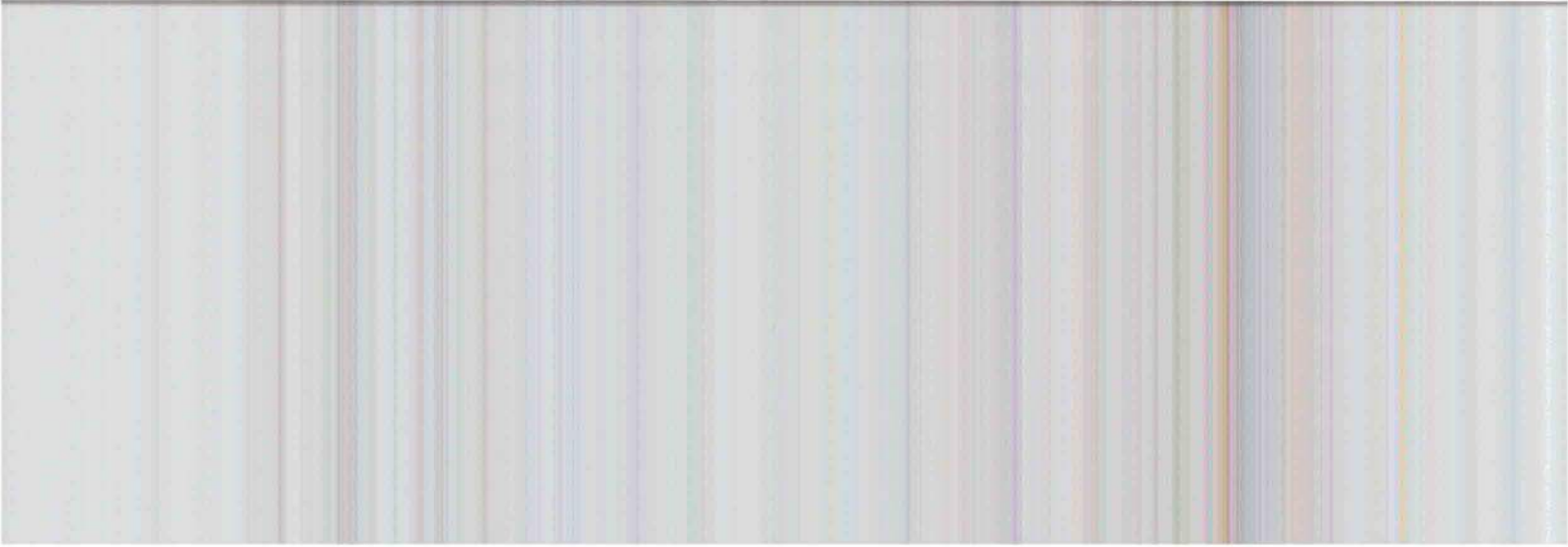
Spring Hollow

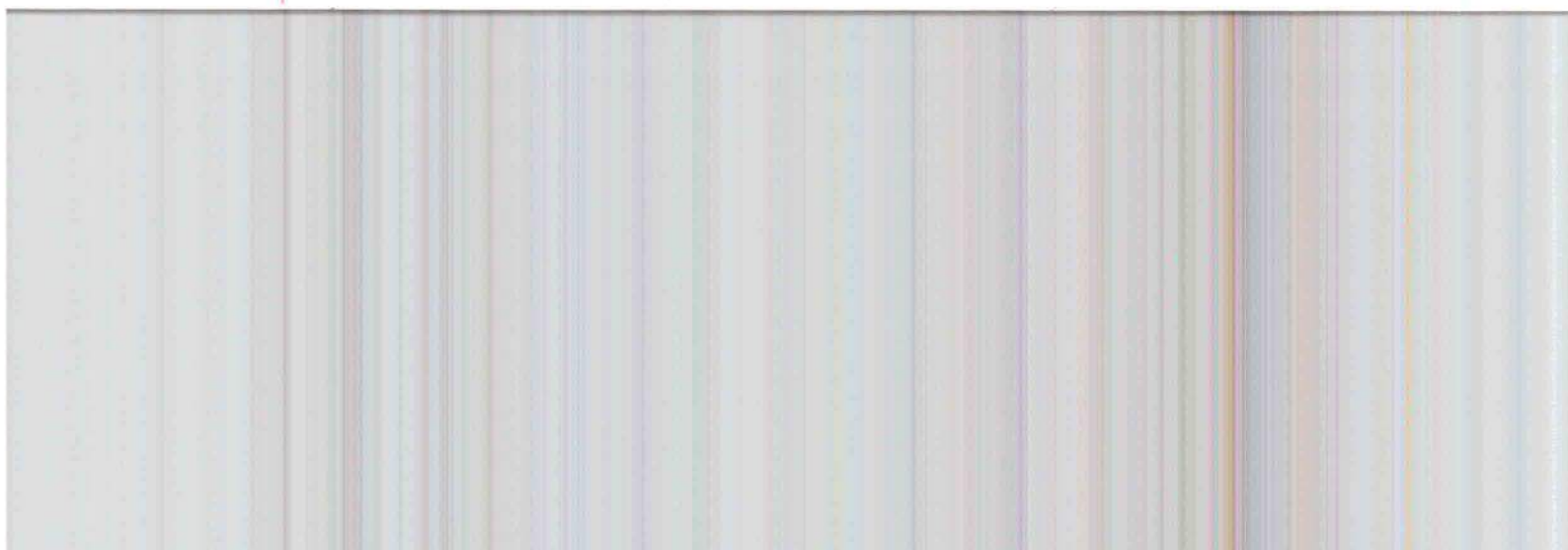
The County Engineer stated that the Building & Zoning Department should require the Builder to have his Engineer design a site/drainage plan and retaining wall to stabilize the ground, in order to protect and to keep it from eroding away for the proposed foundation and house.

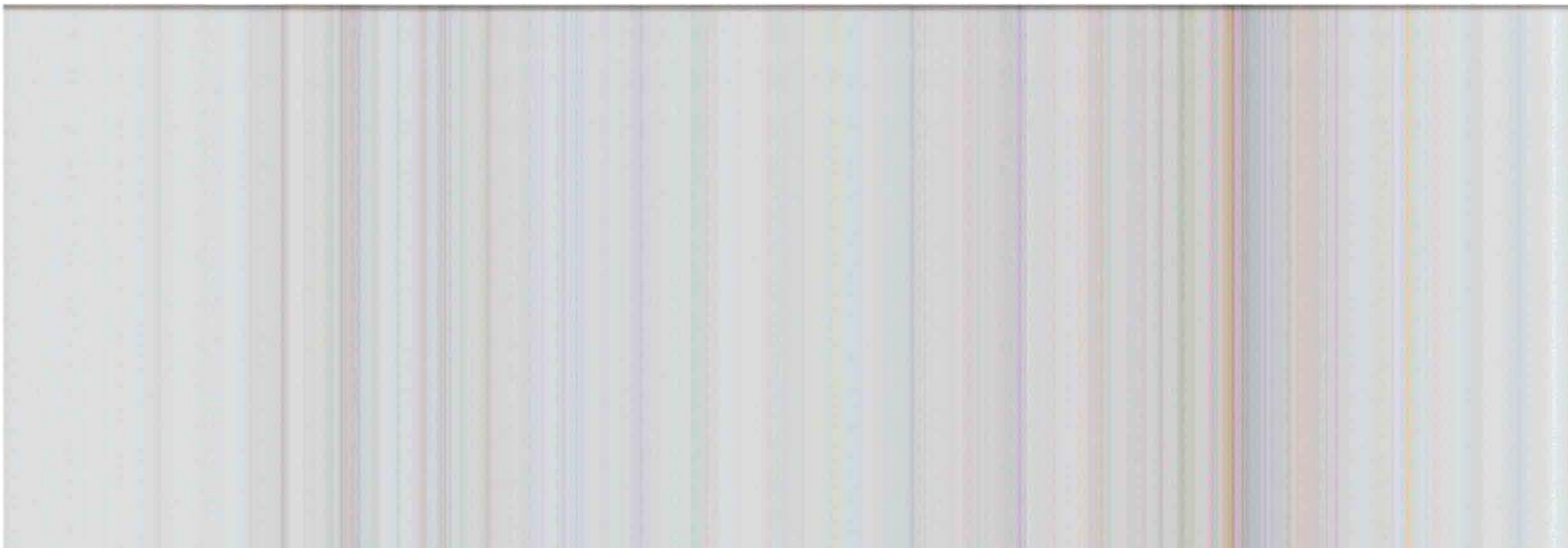


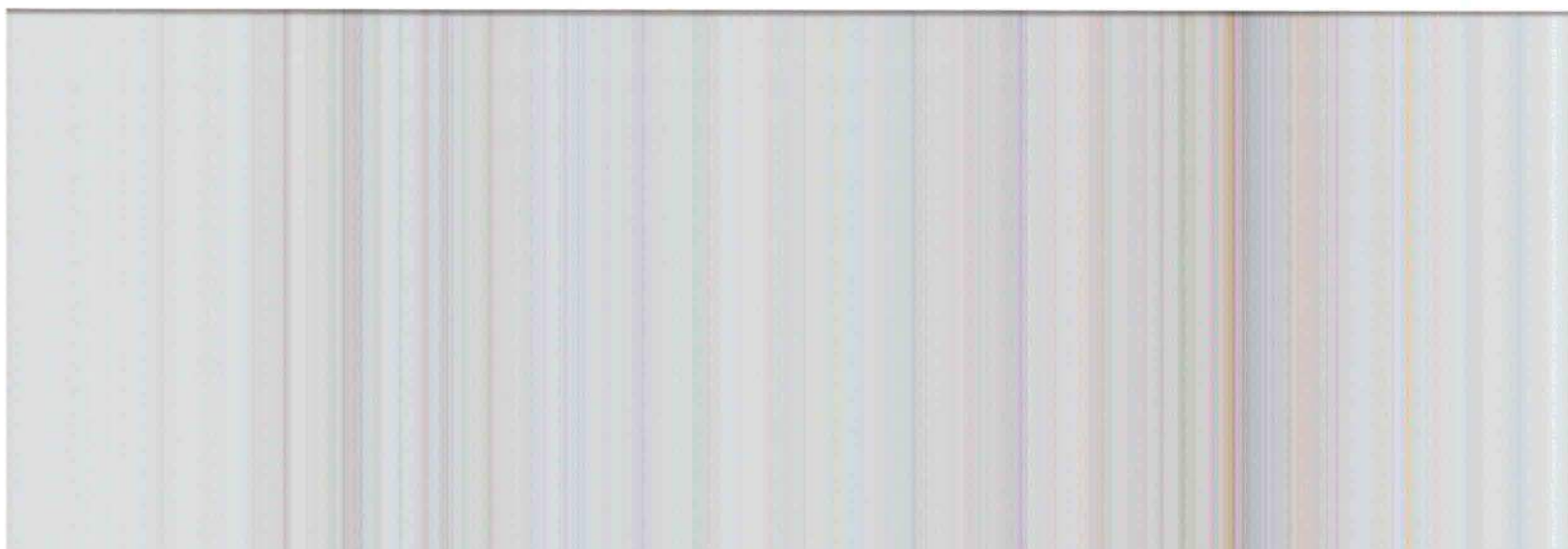
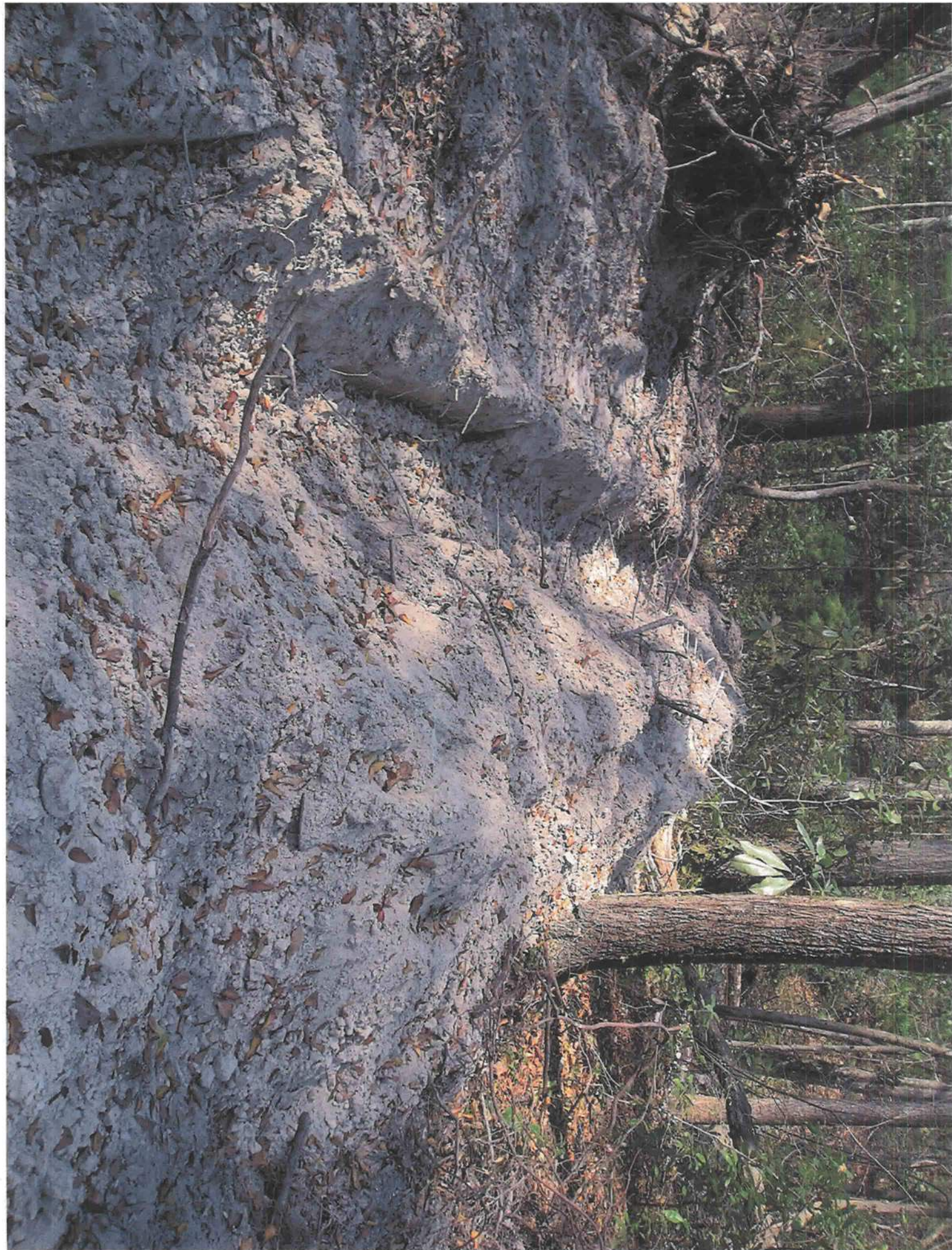


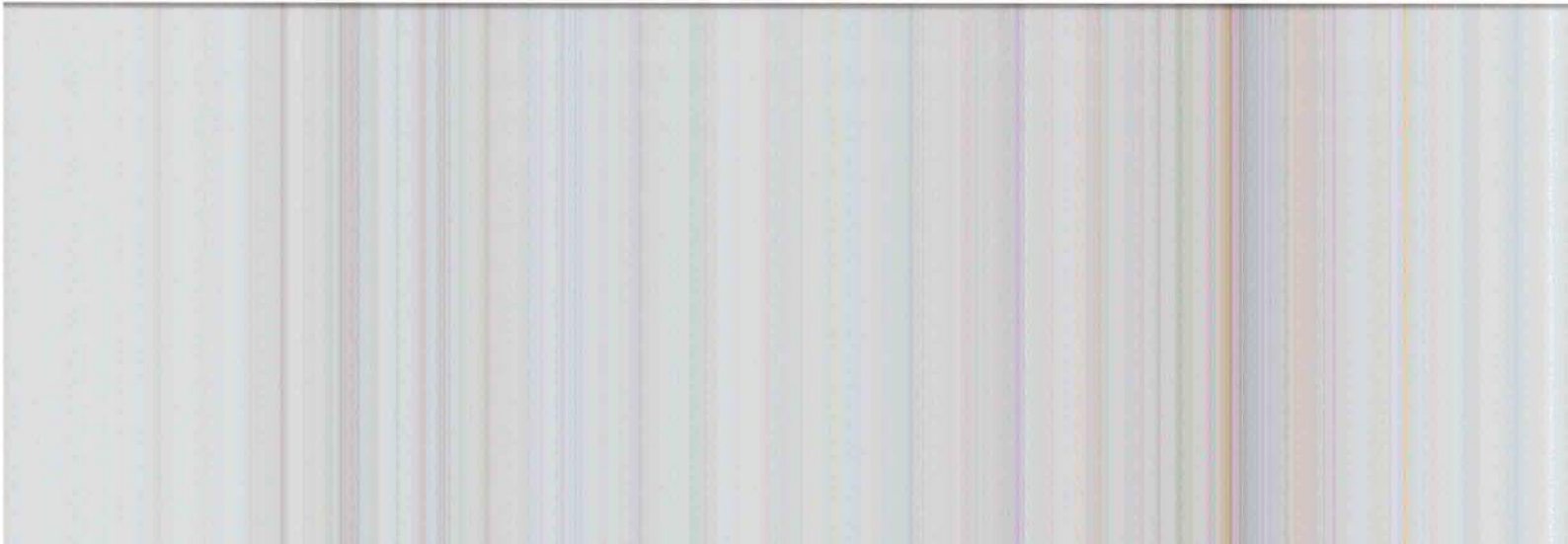


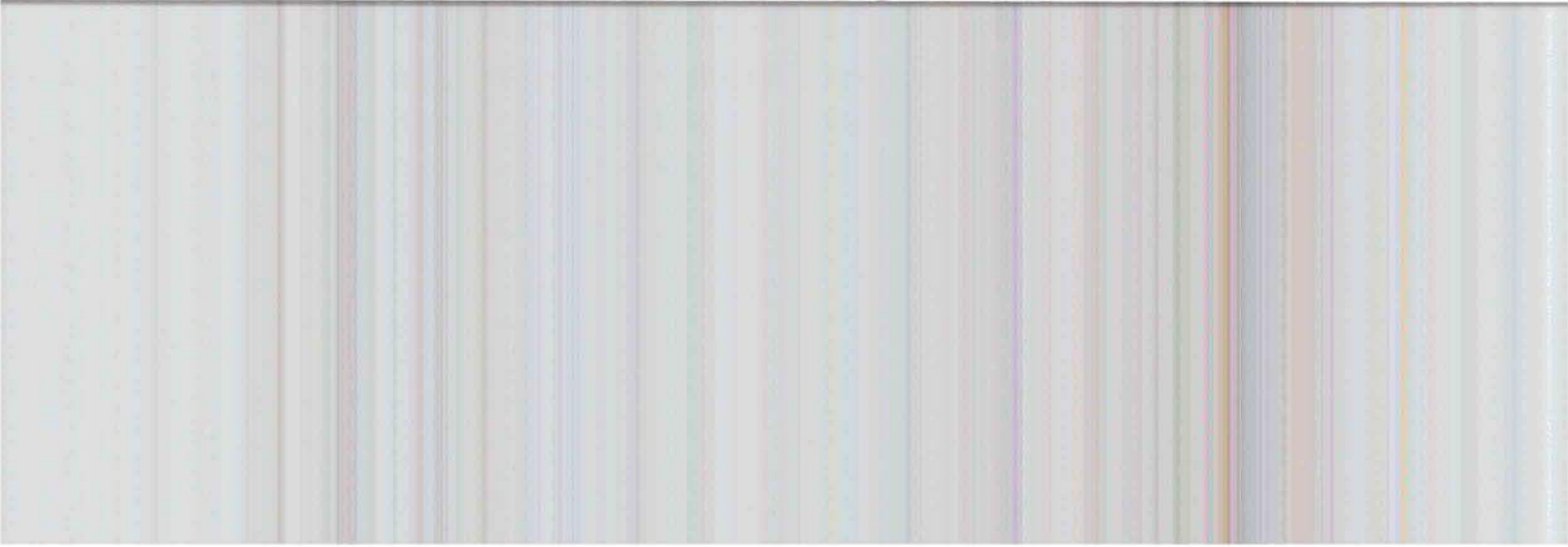


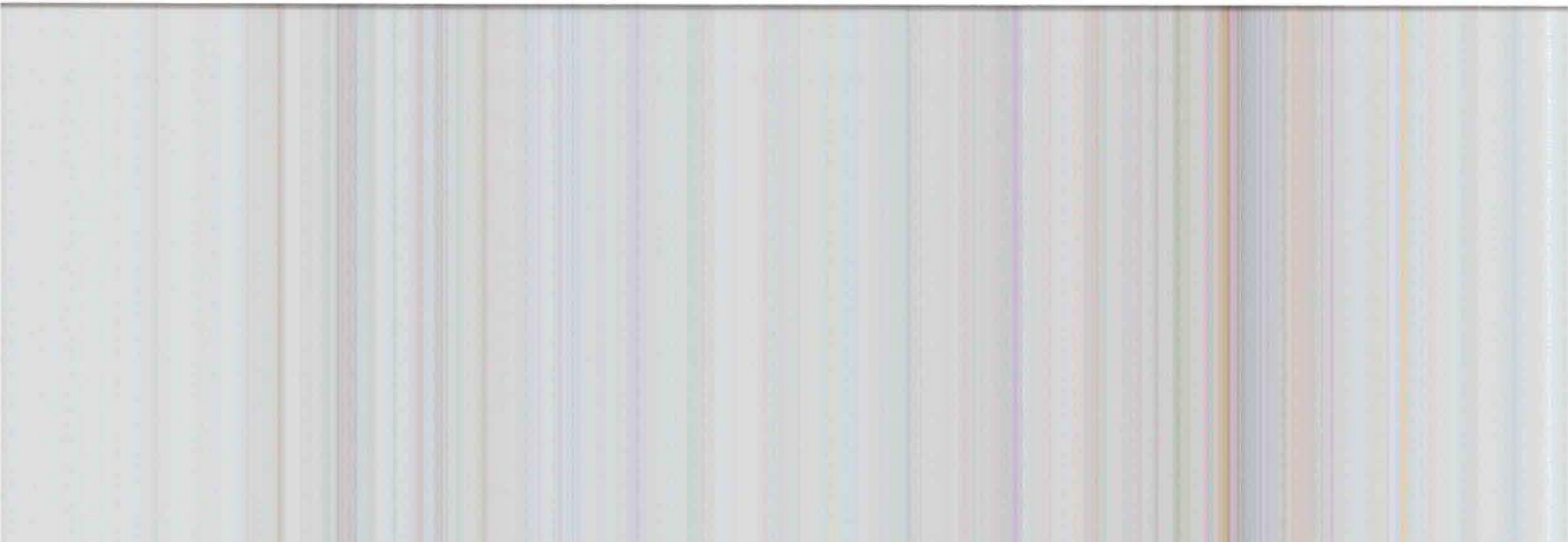












Columbia County Building Permit Application

Revised 9-23-04

794.50 Called

For Office Use Only Application # 0511-66 Date Received 11/17/05 By GP Permit # 24001/931

Application Approved by - Zoning Official BLK Date 12-29-05 Plans Examiner OKJH Date 12-29-05

Flood Zone A1 Development Permit N/A Zoning RSF-2 Land Use Plan Map Category Res Low Den.

Comments 1st Floor to be 1 ft. above Rd.

Applicants Name Melanie Roder Phone 752-2281

Address 387 SW Kemp CT Lake City, FL 32024

Owners Name Seth Heitzman Construction Phone 867-1295

911 Address 536 NW Spring Hollow Blvd Lake City, FL 32055

Contractors Name Seth Heitzman Construction Phone 867-1295

Address P.O. Box 3642 Lake City, FL 32056

Fee Simple Owner Name & Address NA

Bonding Co. Name & Address NA

Architect/Engineer Name & Address Will Myers/Mark Disosway

Mortgage Lenders Name & Address First Federal Savings Bank

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

Property ID Number 24-35-16-02273-021 Estimated Cost of Construction 180,000

Subdivision Name Spring Hollow Lot 30 Block Unit Phase

Driving Directions 90° TL on Lake Jeffrey rd, TL on Spring Hollow Blvd, Lot on left across from Perkins Pl.

Type of Construction SFD Number of Existing Dwellings on Property 0

Total Acreage Lot Size Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 40 Side 32.8 Side 32.8 Rear 35.1

Total Building Height 24.11 Number of Stories 1 Heated Floor Area 2629 Roof Pitch 8/12

PORCHES 295 GARAGE 501 TOTAL 3452

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.

Sworn to (or affirmed) and subscribed before me
 this 17 day of November 2005.
 Personally known or Produced Identification

[Signature]
 Contractor Signature
 Contractors License Number CBC 1251065
 Competency Card Number
 NOTARY STAMP/SEAL

[Signature]
 Notary Signature

LOT 29

S 47°37'05" W 123.74' (P)
S 47°37'05" W 123.64' (M)

NO ID

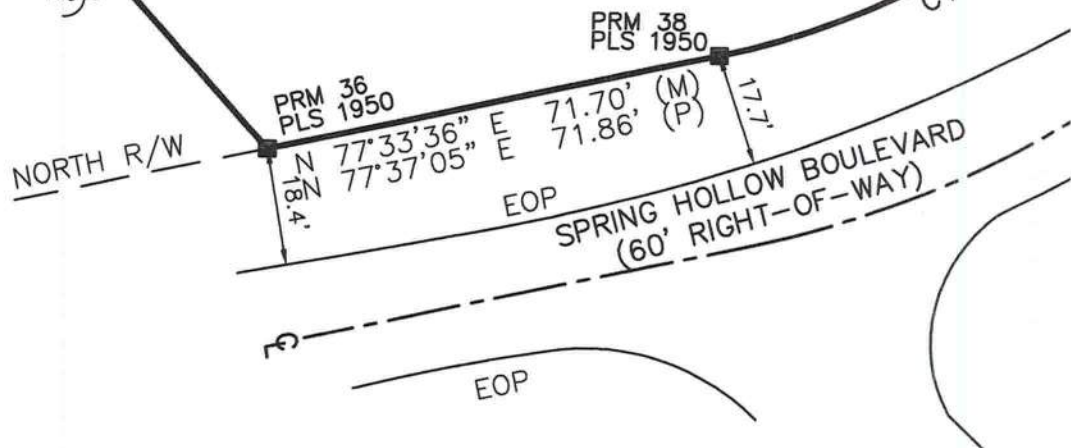
CURVE	RADIUS	DELTA ANGLE	ARC LENGTH
C1(M)	123.01'	27°42'46"	64.33'
C1(P)	123.01'		64.41'

LOT 31

N 42°22'55" W 190.00' (P)
N 42°22'55" W 189.89' (M)
BASIS OF BEARINGS

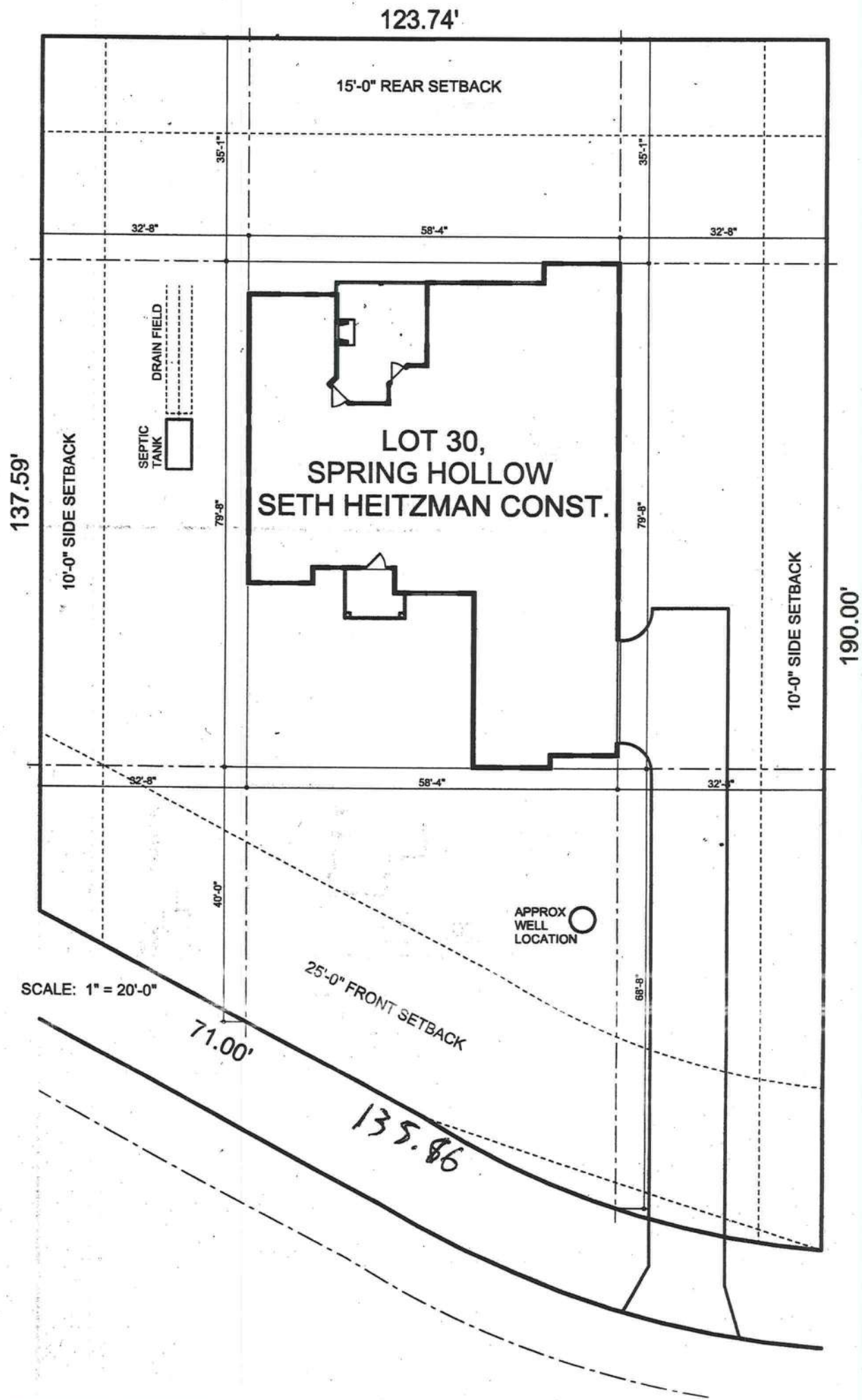
LOT 30
0.48 ACRES
VACANT

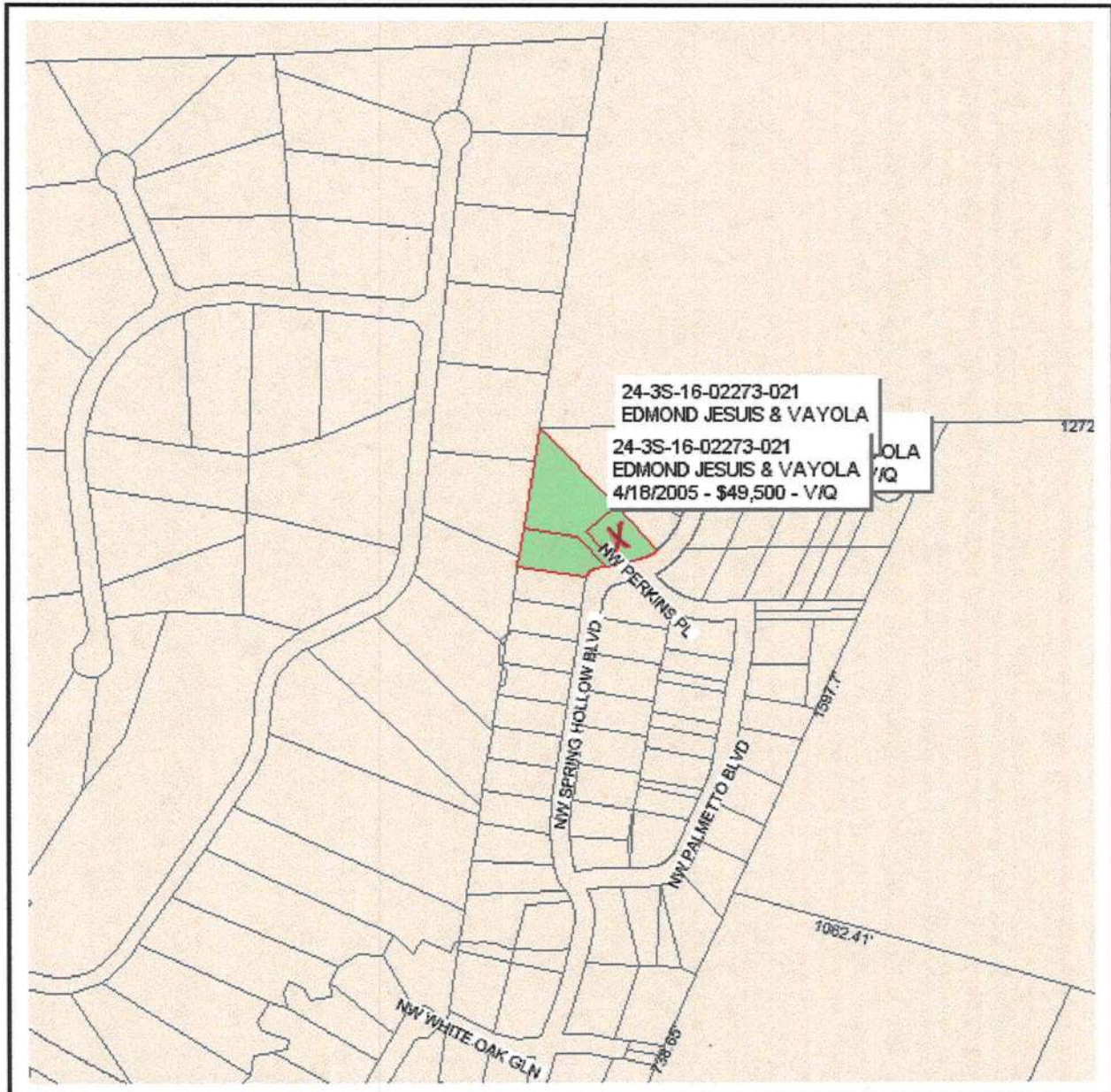
N 42°22'05" W 137.65' (P)
N 42°22'55" W 137.59' (M)



NOTES:

1. BEARINGS ARE BASED ON THE NORTHEAST LINE OF LOT 30 SPRING HOLLOW, BEING N 42°22'55" W.
2. SUBJECT PROPERTY LIES IN ZONE "X", AN AREA OUTSIDE OF THE 500-YEAR FLOOD PLAIN PER FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 12 JANUARY 6, 1988. FLOOD ZONE LINES, IF ANY, ARE SCALED FROM FLOOD INSURANCE RATE MAPS, PROVIDED BY FEMA.
3. ONLY THOSE VISIBLE INTERIOR IMPROVEMENTS AND IMPROVEMENTS PERTINENT TO THE SUBJECT PROPERTY HAVE BEEN LOCATED AS SHOWN HEREON. EXC UNDERGROUND FACILITIES AND OTHER IMPROVEMENTS NOT VISIBLE OR KNOWN AT DATE OF SURVEY.
4. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OR TITLE POLICY. THEREFORE, EXCEPTION IS MADE HEREIN REGARDING EASEMENTS, OF RECORD NOT PROVIDED BY THE CLIENT.
5. CLOSURE EXCEEDS 1 : 10,000.
6. SCALE AND GRAPHIC LOCATION OF FENCES AND UTILITY POLES, IF ANY, MAY BE EXAGGERATED FOR CLARITY.





Columbia County Property Appraiser

J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083

PARCEL: 24-3S-16-02273-021 - VACANT (000000)

LOTS 28 & 30 & W1/2 OF LOT 29 SPRING HOLLOW S/D. ORB 785-102 814-041, WD 1045-2004.

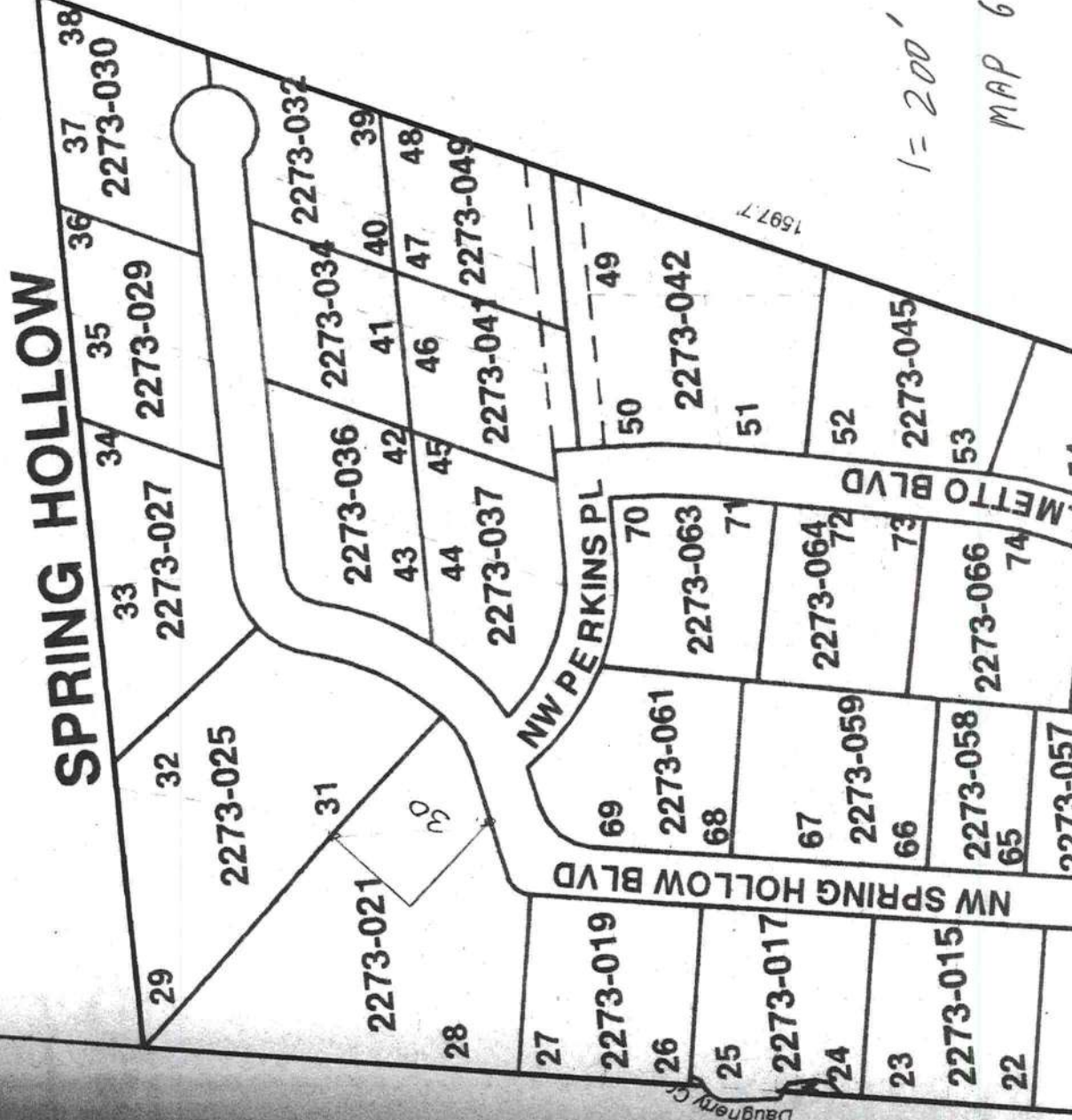
Name:	EDMOND JESUIS & VAYOLA	LandVal	\$27,000.00
Site:	SPRING HOLLOW	BldgVal	\$0.00
2640 39TH ST		ApprVal	\$27,000.00
Mail:	NAPLES, FL 34117	JustVal	\$27,000.00
		Assd	\$27,000.00
Sales	4/18/2005 \$49,500.00 V / Q	Exmpt	\$0.00
	4/3/1995 \$70,000.00 V / U	Taxable	\$27,000.00
Info	1/1/1985 \$17,500.00 V / U		

0 210 420 630 ft



This information, GIS Map Updated: 8/3/2005, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

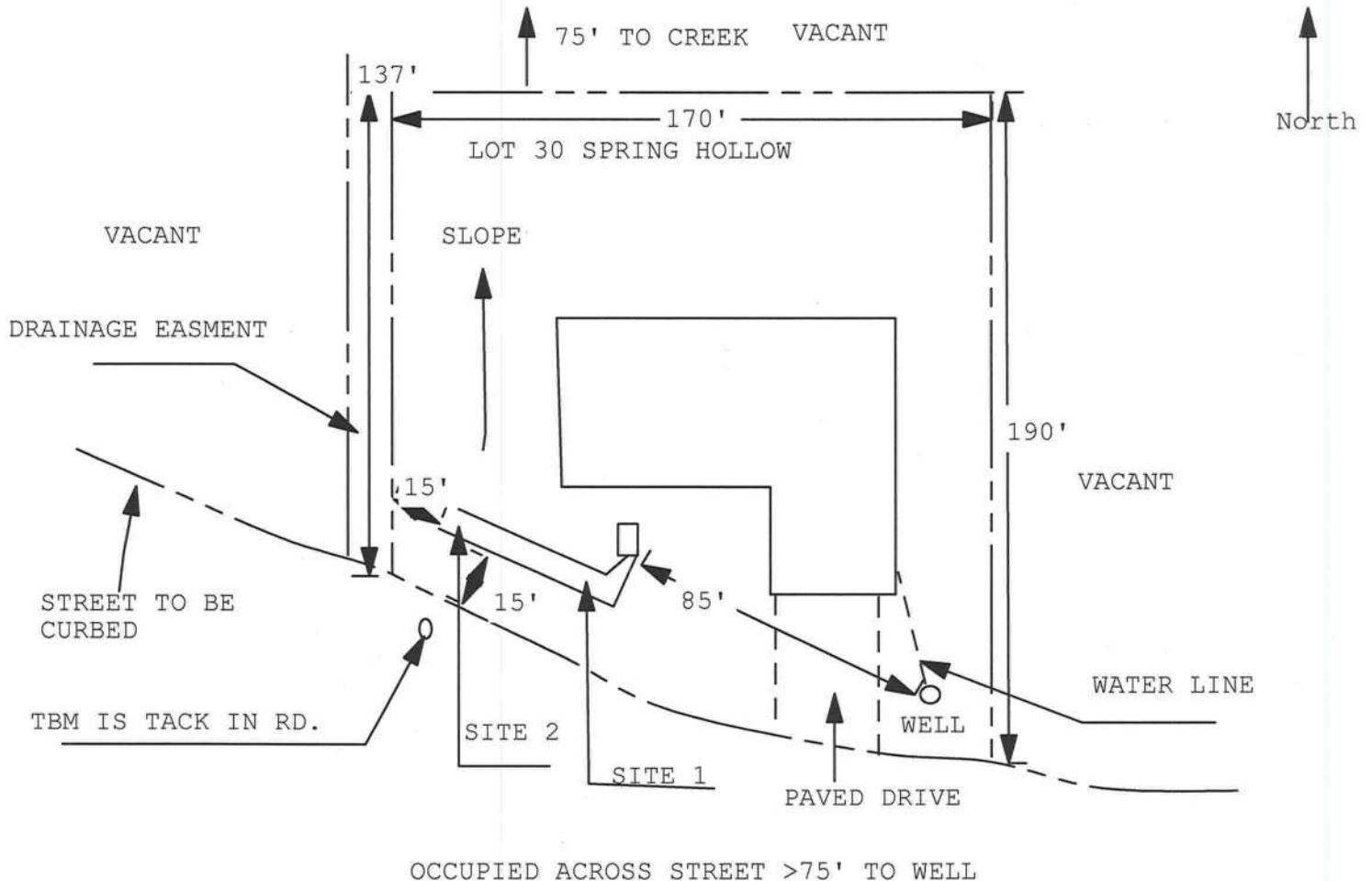
SPRING HOLLOW



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

Permit Application Number: 05-1149N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT



CR# 05-3008 HEITSMAN

1 inch = 50 feet

Site Plan Submitted By Paul Lloyd Date 11-14-05
Plan Approved ☒ Not Approved ☐ Date 11-14-05

By MAA oh Columbia CPHU

Notes: _____

THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID 05-723
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

RETURN TO:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

Property Appraiser's
Identification Number

Inst:2005023787 Date:09/27/2005 Time:15:26
Doc Stamp-Deed : 245.00
DC, P. DeWitt Cason, Columbia County B:1059 P:2028

WARRANTY DEED

This Warranty Deed, made this 16th day of September, 2005, BETWEEN JESUIS EDMOND and VAYOLA EDMOND, Husband and Wife whose post office address is 2640 39th Street, Naples, FL 34117, of the County of Columbia, State of Florida, grantor*, and SETH HEITZMAN CONSTRUCTION, INC., A Florida Corporation, whose post office address is Post Office Box 3642, Lake City, FL 32025, of the County of Columbia, State of Florida, grantee*.

(Whenever 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, trusts and trustees)

Witnesseth: that said grantor, for and in consideration of the sum of Ten Dollars (\$10.00), and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Columbia County, Florida, to-wit:

Lot 30, SPRING HOLLOW SUBDIVISION, a subdivision according to the plat thereof as recorded in Plat Book 4, Pages 19-19A of the public records of Columbia County, Florida.

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

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

And subject to taxes for the current year and later years and all valid easements and restrictions of record, if any, which are not hereby reimposed; and also subject to any claim, right, title or interest arising from any recorded instrument reserving, conveying, leasing, or otherwise alienating any interest in the oil, gas and other minerals. And grantor does warrant the title to said land and will defend the same against the lawful claims of all persons whomsoever, subject only to the exceptions set forth herein.

In Witness Whereof, grantor has hereunto set grantor's hand and seal the day and year first above written.

Signed, sealed and delivered
in our presence:

Roosevelt Antione
(Signature of First Witness)
Roosevelt Antione
(Typed Name of First Witness)

J. Slano Edmond
(Signature of Second Witness)
J. Slano Edmond
(Typed Name of Second Witness)

J. Slano Edmond (SEAL)
Grantor
JESUIS EDMOND
Printed Name

Vayola Edmond (SEAL)
Grantor
VAYOLA EDMOND
Printed Name

STATE OF Florida
COUNTY OF Collier

The foregoing instrument was acknowledged before me this 17th
day of September, 2005, by JESUIS EDMOND and VAYOLA EDMOND, Husband
and Wife who are personally known to me or who have produced
as identification and who did not take an oath.

My Commission Expires: 5/20/09
(Notary Seal)

[Signature]
Notary Public
Printed, typed, or stamped name:



THIS INSTRUMENT WAS PREPARED BY:
TERRY McDAVID 05-723
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

Inst:2005022789 Date:09/27/2005 Time:15:26
MAK DC,P.DelWitt Cason,Columbia County B:1059 P:2038

PERMIT NO. _____

TAX FOLIO NO.: PART OF R02273-021

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF COLUMBIA

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

1. Description of property:

Lot 30, SPRING HOLLOW SUBDIVISION, a subdivision according to the plat thereof as recorded in Plat Book 4, Pages 19-19A of the public records of Columbia County, Florida.

2. General description of improvement: Construction of Dwelling

3. Owner information:

a. Name and address: SETH HEITZMAN CONSTRUCTION, INC.
Post Office Box 3642, Lake City, Florida ~~32025~~ 32056

b. Interest in property: Fee Simple

c. Name and address of fee simple title holder (if other than Owner): None

4. Contractor: SETH HEITZMAN CONSTRUCTION, INC.
Post Office Box 3642, Lake City, Florida ~~32025~~ 32056

5. Surety n/a

a. Name and address:
b. Amount of bond:

6. Lender: FIRST FEDERAL SAVINGS BANK OF FLORIDA
4705 US Highway 90 West, Lake City, FL 32055

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes: NONE

8. In addition to himself, Owner designates TERESA DAVIS of FIRST FEDERAL SAVINGS BANK OF FLORIDA, 4705 US Highway 90 West, Lake City, FL 32055 to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.

9. Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified). September 16, 2006.

SETH HEITZMAN CONSTRUCTION, INC.


By: SETH HEITZMAN, President

The foregoing instrument was acknowledged before me this 16th day of September, 2005, by SETH HEITZMAN, as President of SETH HEITZMAN CONSTRUCTION, INC., A Florida Corporation, who is personally known to me and who did not take an oath.




Notary Public

My commission expires: _____

Sep. 17 2002 01:52PM P1

SPECIALIZING IN 4"-8" WELLS



PHONE (804) 752-1854
FAX (804) 755-7022
XEROGRAPHIC REPRODUCTION
LAKE CITY, FLORIDA 32055
904 NW Main Blvd.

NOTICE TO ALL CONTRACTORS

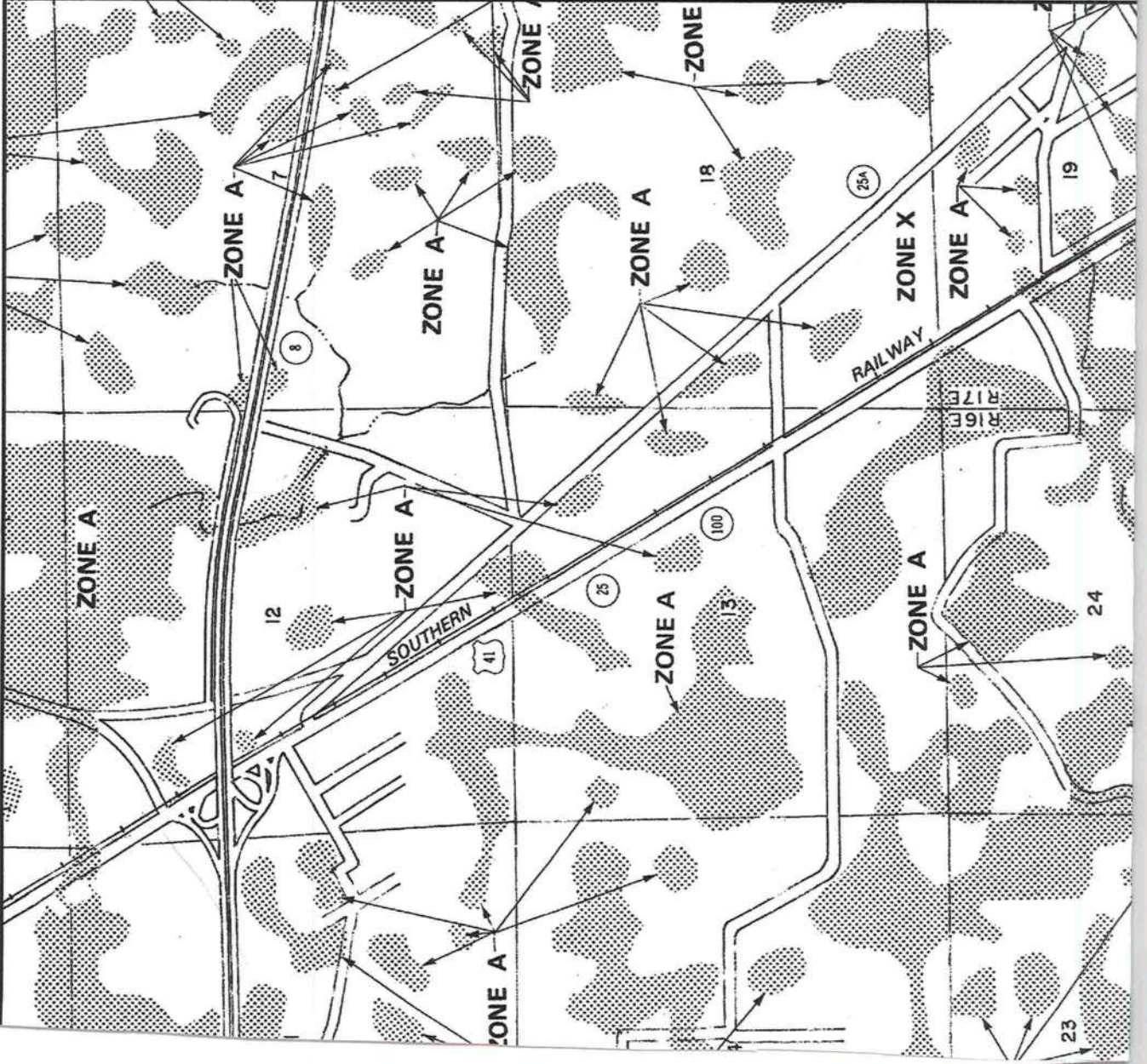
If you have any questions please feel free to call our office anytime.

Thank you,

Donald D. Hall
DDE/jk



APPROXIMATE SCALE IN FEET



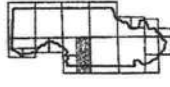
NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

COLUMBIA
COUNTY,
FLORIDA
(UNINCORPORATED AREAS)

PANEL 125 OF 290

PANEL LOCATION



COMMUNITY-PANEL NUMBER

120070 0125 B

EFFECTIVE DATE:

JANUARY 6, 1988



Federal Emergency Management Agency

FLORIDA ENERGY EFFICIENCY CODE
FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	Seth Heitzman Construction	Builder:	Seth Heitzman Const.
Address:	Lot: 30, Sub: Spring Hollow, Plat:	Permitting Office:	Columbia
City, State:	Lake City, FL 32025-	Permit Number:	24001
Owner:	Spec House	Jurisdiction Number:	221000
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 57.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 11.00
4. Number of Bedrooms	5	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	2629 ft²	13. Heating systems	
7. Glass area & type		a. Electric Heat Pump	Cap: 57.0 kBtu/hr
a. Clear - single pane	0.0 ft²		HSPF: 6.80
b. Clear - double pane	448.0 ft²	b. N/A	
c. Tint/other SHGC - single pane	0.0 ft²	c. N/A	
d. Tint/other SHGC - double pane	0.0 ft²	14. Hot water systems	
8. Floor types		a. Electric Resistance	Cap: 50.0 gallons
a. Slab-On-Grade Edge Insulation	R=0.0, 278.0(p) ft		EF: 0.90
b. N/A		b. N/A	
c. N/A		c. Conservation credits	
9. Wall types		(HR-Heat recovery, Solar	
a. Frame, Wood, Exterior	R=13.0, 2002.0 ft²	DHP-Dedicated heat pump)	
b. Frame, Wood, Adjacent	R=13.0, 250.0 ft²	15. HVAC credits	
c. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
d. N/A		HF-Whole house fan,	
e. N/A		PT-Programmable Thermostat,	
10. Ceiling types		MZ-C-Multizone cooling,	
a. Under Attic	R=30.0, 2829.0 ft²	MZ-H-Multizone heating)	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 50.0 ft		
b. N/A			

Glass/Floor Area: 0.17

Total as-built points: 41257
Total base points: 41615

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: Will Myers DATE: 08/29/05 I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT: DATE:	Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes. BUILDING OFFICIAL: DATE: 
--	--

SUMMER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 30, Sub: Spring Hollow, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT										
GLASS TYPES														
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points						
.11	2629.0	20.04	9483.3	Double, Clear	W	1.5	5.0	16.0	36.99	0.88	518.1			
				Double, Clear	W	1.5	4.0	6.0	36.99	0.82	181.4			
				Double, Clear	NW	20.5	9.7	20.0	25.46	0.54	275.0			
				Double, Clear	W	20.5	8.0	34.0	36.99	0.38	481.5			
				Double, Clear	SW	15.5	7.7	20.0	38.46	0.39	302.8			
				Double, Clear	W	15.5	8.0	15.0	36.99	0.41	228.7			
				Double, Clear	S	10.5	8.0	42.0	34.50	0.49	703.3			
				Double, Clear	W	1.5	8.0	56.0	36.99	0.96	1984.4			
				Double, Clear	W	1.5	6.0	30.0	36.99	0.91	1013.5			
				Double, Clear	N	1.5	6.0	45.0	19.22	0.94	811.8			
				Double, Clear	W	1.5	4.0	12.0	36.99	0.82	362.9			
				Double, Clear	E	1.5	8.0	51.0	40.22	0.96	1964.3			
				Double, Clear	E	9.5	9.7	22.0	40.22	0.52	462.0			
				Double, Clear	E	1.5	8.0	14.0	40.22	0.96	539.2			
				Double, Clear	E	1.5	6.0	15.0	40.22	0.91	550.7			
				Double, Clear	E	1.5	6.0	15.0	40.22	0.91	550.7			
				Double, Clear	S	1.5	6.0	15.0	34.50	0.86	443.1			
				Double, Clear	S	1.5	6.0	20.0	34.50	0.86	590.7			
				As-Built Total:								448.0	11964.1	
				WALL TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points		
Adjacent	250.0	0.70	175.0	Frame, Wood, Exterior	13.0			2002.0	1.50	3003.0				
Exterior	2002.0	1.70	3403.4	Frame, Wood, Adjacent	13.0			250.0	0.60	150.0				
Base Total:				As-Built Total:			2252.0	3153.0						
DOOR TYPES Area X BSPM = Points				Type				Area X SPM = Points						
Adjacent	18.0	2.40	43.2	Exterior Insulated				20.0	4.10	82.0				
Exterior	20.0	6.10	122.0	Adjacent Insulated				18.0	1.60	28.8				
Base Total:				As-Built Total:			38.0	110.8						
CEILING TYPES Area X BSPM = Points				Type	R-Value			Area X SPM X SCM = Points						
Under Attic	2629.0	1.73	4548.2	Under Attic	30.0			2829.0	1.73 X 1.00	4894.2				
Base Total:				As-Built Total:			2829.0	4894.2						

SUMMER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 30, Sub: Spring Hollow, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT				
FLOOR TYPES Area X BSPM = Points				Type	R-Value	Area X SPM = Points		
Slab	278.0(p)	-37.0	-10286.0	Slab-On-Grade Edge Insulation	0.0	278.0(p)	-41.20	-11453.6
Raised	0.0	0.00	0.0					
Base Total:			-10286.0	As-Built Total:		278.0	-11453.6	
INFILTRATION Area X BSPM = Points				Area X SPM = Points				
2629.0 10.21 26842.1				2629.0 10.21 26842.1				
Summer Base Points: 34331.2				Summer As-Built Points: 35510.6				
Total Summer X System = Cooling Points Multiplier Points				Total X Cap X Duct X System X Credit = Cooling Component Ratio Multiplier Multiplier Multiplier Points (DM x DSM x AHU)				
34331.2 0.4266 14645.7				35510.6 1.000 (1.090 x 1.147 x 1.00) 0.310 1.000 13775.0 35510.6 1.00 1.250 0.310 1.000 13775.0				

WINTER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 30, Sub: Spring Hollow, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT										
GLASS TYPES														
.16 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X WPM X WOF = Points						
.16	2629.0	12.74	6028.8	Double, Clear	W	1.5	5.0	16.0	10.77	1.03	178.2			
				Double, Clear	W	1.5	4.0	6.0	10.77	1.05	68.0			
				Double, Clear	NW	20.5	9.7	20.0	14.03	1.03	290.0			
				Double, Clear	W	20.5	8.0	34.0	10.77	1.23	451.7			
				Double, Clear	SW	15.5	7.7	20.0	7.17	1.93	276.6			
				Double, Clear	W	15.5	8.0	15.0	10.77	1.22	197.2			
				Double, Clear	S	10.5	8.0	42.0	4.03	3.13	530.5			
				Double, Clear	W	1.5	8.0	56.0	10.77	1.01	609.6			
				Double, Clear	W	1.5	6.0	30.0	10.77	1.02	330.5			
				Double, Clear	N	1.5	6.0	45.0	14.30	1.00	645.2			
				Double, Clear	W	1.5	4.0	12.0	10.77	1.05	136.0			
				Double, Clear	E	1.5	8.0	51.0	9.09	1.02	472.8			
				Double, Clear	E	9.5	9.7	22.0	9.09	1.28	256.2			
				Double, Clear	E	1.5	8.0	14.0	9.09	1.02	129.8			
				Double, Clear	E	1.5	6.0	15.0	9.09	1.04	141.2			
				Double, Clear	E	1.5	6.0	15.0	9.09	1.04	141.2			
				Double, Clear	S	1.5	6.0	15.0	4.03	1.12	67.6			
				Double, Clear	S	1.5	6.0	20.0	4.03	1.12	90.1			
				As-Built Total:								448.0	5012.5	
				WALL TYPES				Area X BWPM = Points		Type	R-Value	Area X WPM = Points		
Adjacent	250.0	3.60	900.0	Frame, Wood, Exterior			13.0	2002.0	3.40	6806.8				
Exterior	2002.0	3.70	7407.4	Frame, Wood, Adjacent			13.0	250.0	3.30	825.0				
Base Total:		2252.0	8307.4	As-Built Total:				2252.0	7631.8					
DOOR TYPES				Area X BWPM = Points		Type	Area X WPM = Points							
Adjacent	18.0	11.50	207.0	Exterior Insulated				20.0	8.40	168.0				
Exterior	20.0	12.30	246.0	Adjacent Insulated				18.0	8.00	144.0				
Base Total:		38.0	453.0	As-Built Total:				38.0	312.0					
CEILING TYPES				Area X BWPM = Points		Type	R-Value	Area X WPM X WCM = Points						
Under Attic	2629.0	2.05	5389.4	Under Attic			30.0	2829.0	2.05 X 1.00	5799.4				
Base Total:		2629.0	5389.4	As-Built Total:				2829.0	5799.4					

WINTER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 30, Sub: Spring Hollow, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT					
FLOOR TYPES Area X BWPM = Points				Type	R-Value	Area X WPM	= Points		
Slab	278.0(p)	8.9	2474.2	Slab-On-Grade Edge Insulation	0.0	278.0(p)	18.80	5226.4	
Raised	0.0	0.00	0.0						
Base Total:			2474.2	As-Built Total:		278.0	5226.4		
INFILTRATION Area X BWPM = Points				Area X WPM = Points					
	2629.0	-0.59	-1551.1		2629.0	-0.59	-1551.1		
Winter Base Points:			21101.8	Winter As-Built Points:				22431.0	
Total Winter Points	X System Multiplier	= Heating Points		Total Component	X Cap Ratio	X Duct Multiplier	X System Multiplier	X Credit Multiplier	= Heating Points
						(DM x DSM x AHU)			
21101.8	0.6274	13239.2		22431.0	1.000	(1.069 x 1.169 x 1.00)	0.501	1.000	14056.8
				22431.0	1.00	1.250	0.501	1.000	14056.8

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

ADDRESS: Lot: 30, Sub: Spring Hollow, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT					
WATER HEATING									
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	Multiplier X Credit Multiplier	= Total
5		2746.00	13730.0	50.0	0.90	5	1.00	2684.98	13424.9
As-Built Total:									13424.9

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
14646	13239	13730	41615	13775	14057	13425	41257

PASS



Code Compliance Checklist
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 30, Sub: Spring Hollow, Plat: , Lake City, FL, 32025-

PERMIT #:

6.1-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6.1-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 82.7

The higher the score, the more efficient the home.

Spec House, Lot: 30, Sub: Spring Hollow, Plat: , Lake City, FL, 32025-

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 57.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 11.00
4. Number of Bedrooms	5	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft ²)	2629 ft ²	13. Heating systems	
7. Glass area & type		a. Electric Heat Pump	Cap: 57.0 kBtu/hr
a. Clear - single pane	0.0 ft ²		HSPF: 6.80
b. Clear - double pane	448.0 ft ²	b. N/A	
c. Tint/other SHGC - single pane	0.0 ft ²	c. N/A	
d. Tint/other SHGC - double pane	0.0 ft ²	14. Hot water systems	
8. Floor types		a. Electric Resistance	Cap: 50.0 gallons
a. Slab-On-Grade Edge Insulation	R=0.0, 278.0(p) ft		EF: 0.90
b. N/A		b. N/A	
c. N/A		c. Conservation credits	
9. Wall types		(HR-Heat recovery, Solar	
a. Frame, Wood, Exterior	R=13.0, 2002.0 ft ²	DHP-Dedicated heat pump)	
b. Frame, Wood, Adjacent	R=13.0, 250.0 ft ²	15. HVAC credits	
c. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
d. N/A		HF-Whole house fan,	
e. N/A		PT-Programmable Thermostat,	
10. Ceiling types		MZ-C-Multizone cooling,	
a. Under Attic	R=30.0, 2829.0 ft ²	MZ-H-Multizone heating)	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 50.0 ft		
b. N/A			

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

Builder Signature: _____ Date: _____

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



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

Energy Gauge Version: FLR1PB v3.22)

**COLUMBIA COUNTY, FLORIDA
RESOLUTION NO. 2005R-26**

**A RESOLUTION OF COLUMBIA COUNTY, FLORIDA,
PROVIDING FOR ADDITIONAL REQUIREMENTS FOR A
DEVELOPMENT PERMIT ON PROPERTY WHICH HAS
BEEN IDENTIFIED AS "FLOOD PRONE;" AND PROVIDING
FOR AN EFFECTIVE DATE.**

WHEREAS, since the hurricane season of 2004, Columbia County has experienced significant flooding and related issues impacting the public health, safety and welfare of the residents and citizens of Columbia County as well as their property; and

WHEREAS, the Board of County Commissioners of Columbia County, Florida, finds it is necessary and in the best interest of Columbia County and its residents and citizens for the protection of the health, safety and welfare, together with the protection of property interests in Columbia County, to provide requirements in addition to those currently set forth in local, state and federal statutes, ordinances, rules and regulations, including but not limited to the Columbia County Comprehensive Plan and Columbia County Land Development Regulations (LDRs), for the application and issuance of a development permit.

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY
COMMISSIONERS OF COLUMBIA COUNTY, FLORIDA AS FOLLOWS:**

1. Properties, including lots and acreage, which have been identified in Columbia County as "flood prone" shall, in addition to all other local, state and federal requirements, prior to issuance of a development permit through the Columbia County Building Department provide the following:

- a. In addition to all other required submittals, the development permit applicant shall file a grading plan for the property proposed to be developed. The grading plan shall be signed and sealed by a Florida registered professional engineer.
 - b. The grading plan shall delineate proposed changes from natural ground elevation, if any, including the amount of fill material to be added to the site. The grading plan shall clearly demonstrate that the natural flow of water shall not be altered nor will adjacent properties be negatively impacted by the proposed development.
 - c. The grading plan shall further establish the lowest habitable floor elevation and building location on the lot or acreage.
 - d. Upon its completion, the applicant shall obtain from a Florida licensed land surveyor and provide to Columbia County certification as to the actual height of the finished floor established by the grading plan.
2. Additionally, all “flood prone” properties shall require written certification by a competent Florida licensed professional or agency stating that the property is not defined as a wetland as defined in the Columbia County Land Development Regulations.
 3. The term “flood prone” is defined as those lots, acreage or properties that can be demonstrated on existing FEMA or other maps as flood prone properties which competent personal testimony through affidavit or otherwise establishes the property has a history of flooding which would adversely impact development upon the property.
 4. There shall be exempt from the requirements of this Resolution lots, acreage or properties otherwise defined as “flood prone” where the ratio of “non-flood prone” property

(numerator) to the square footage of impervious surface development on the property (denominator) is no less than 3-to-1. However, all other permitting requirements of the County must be satisfied.

5. Any interested party who is subject to these additional permitting requirements and believes they have been inappropriately applied to them may appeal the decision to the Board of County Commissioners of Columbia County. All such appeals must be in writing and mailed to the Board of County Commissioners of Columbia County, Post Office Box 1529, Lake City, Florida 32056-1529. At this time no appeal fee is assessed.

6. This Resolution shall remain in effect until the Board of County Commissioners has approved an appropriate ordinance addressing the flood prone issues of Columbia County or until further action of the Board.

UNANIMOUSLY PASSED AND ADOPTED by the Board of County Commissioners at its regular meeting on the 16th day of June, 2005.

**BOARD OF COUNTY COMMISSIONERS
COLUMBIA COUNTY, FLORIDA**

By: _____

Jennifer Flinn, Chairman

ATTEST: _____

P. DeWitt Cason, Clerk of Courts

(SEAL)

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000000931

DATE 12/30/2005 PARCEL ID # 24-3S-16-02273-021
APPLICANT LINDA RODER PHONE 752-2281
ADDRESS 38 SW KEMP COURT LAKE CITY FL 32024
OWNER SETH HEITZMAN PHONE 867-1295
ADDRESS 536 NW SPRING HOLLOW BLVD LAKE CITY FL 32055
CONTRACTOR SETH HEITZMAN PHONE 867-1295
LOCATION OF PROPERTY 90E, TL ON LAKE JEFFREY ROAD, TL ON SPRING HOLLOW
BLVD, LOT ON LEFT ACROSS FROM PERKINS PLACE
SUBDIVISION/LOT/BLOCK/PHASE/UNIT SPRNG HOLLOW 30
SIGNATURE 

INSTALLATION REQUIREMENTS



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

INSTALLATION NOTE: Turnouts will be required as follows:

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



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



Other _____

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

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

Amount Paid 25.00



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

0511-66

Reference to: Build permit application Number:

Seth Heitzman Construction Owner Seth Heitzman Construction
Lot 30 of Spring Hollow Subdivision

On the date of November 21, 2005 application 0511-66 and plans for construction of a 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 0511-66 when making reference to this application.

- ✓ 1. Application 0511-66 which was filed with the building department on the date of November 17, 2005 will be reviewed under the Florida Building Code 2004. The Wind Load design by Mr. Mark Disosway was design under the Florida Building Code 2001. The wind Load design should reflect the code sections of the Florida Building Code 2004 that relate to wind Load design code requirements.
- ✓ 2. Please verify compliance with the FRC-2004 section R308.4 Hazardous locations: Glazing in doors and enclosures for hot tubs, whirlpools, saunas, steam rooms, bathtubs and showers. Glazing in any part of a building wall enclosing these compartments where the bottom exposed edge of the glazing is less than 60 inches (1524 mm) measured vertically above any standing or walking surface. For the two 2030 SH OBS windows in the two bathrooms.

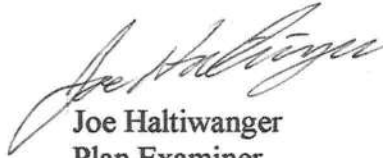
3. On the foundation plan show the interior garage wall (12" X 12" stepped down slab edge footing F-5 interior load bearing footing) to extend the entire length of the garage wall, as required by the truss layout plan.

4. Please show compliance with the Columbia County, Florida

Resolution No. 2005R-26 which is attached.

X per PLAT

Thank you,



Joe Haltiwanger
Plan Examiner
Columbia County Building Department

Mark Disosway, P.E.

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

November 24, 2005

Building Department

Re: Permit #0511-66, Seth Heitzman, Spec House, Lot 30, Spring Hollow S/D Columbia County, FL

Dear Building Official:

Please accept this letter as addendum to the plans for the above referenced house to change all references to FBC 2001 to FBC 2004.

- The plan was drawn prior to the effective date for FBC 2004, 01 October 2005.
- Since the wind load requirements of FBC 2004 remain basically unchanged from FBC 2001 there are no structural changes required to this plan.



Mark Disosway, PE
Florida Registered Professional Engineer

Cc Heitzman Seth

Mark Disosway

Florida P.E. No.53915

**COLUMBIA COUNTY, FLORIDA
RESOLUTION NO. 2005R-26**

**A RESOLUTION OF COLUMBIA COUNTY, FLORIDA,
PROVIDING FOR ADDITIONAL REQUIREMENTS FOR A
DEVELOPMENT PERMIT ON PROPERTY WHICH HAS
BEEN IDENTIFIED AS "FLOOD PRONE;" AND PROVIDING
FOR AN EFFECTIVE DATE.**

WHEREAS, since the hurricane season of 2004, Columbia County has experienced significant flooding and related issues impacting the public health, safety and welfare of the residents and citizens of Columbia County as well as their property; and

WHEREAS, the Board of County Commissioners of Columbia County, Florida, finds it is necessary and in the best interest of Columbia County and its residents and citizens for the protection of the health, safety and welfare, together with the protection of property interests in Columbia County, to provide requirements in addition to those currently set forth in local, state and federal statutes, ordinances, rules and regulations, including but not limited to the Columbia County Comprehensive Plan and Columbia County Land Development Regulations (LDRs), for the application and issuance of a development permit.

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY
COMMISSIONERS OF COLUMBIA COUNTY, FLORIDA AS FOLLOWS:**

1. Properties, including lots and acreage, which have been identified in Columbia County as "flood prone" shall, in addition to all other local, state and federal requirements, prior to issuance of a development permit through the Columbia County Building Department provide the following:

- a. In addition to all other required submittals, the development permit applicant shall file a grading plan for the property proposed to be developed. The grading plan shall be signed and sealed by a Florida registered professional engineer.
 - b. The grading plan shall delineate proposed changes from natural ground elevation, if any, including the amount of fill material to be added to the site. The grading plan shall clearly demonstrate that the natural flow of water shall not be altered nor will adjacent properties be negatively impacted by the proposed development.
 - c. The grading plan shall further establish the lowest habitable floor elevation and building location on the lot or acreage.
 - d. Upon its completion, the applicant shall obtain from a Florida licensed land surveyor and provide to Columbia County certification as to the actual height of the finished floor established by the grading plan.
2. Additionally, all “flood prone” properties shall require written certification by a competent Florida licensed professional or agency stating that the property is not defined as a wetland as defined in the Columbia County Land Development Regulations.
 3. The term “flood prone” is defined as those lots, acreage or properties that can be demonstrated on existing FEMA or other maps as flood prone properties which competent personal testimony through affidavit or otherwise establishes the property has a history of flooding which would adversely impact development upon the property.
 4. There shall be exempt from the requirements of this Resolution lots, acreage or properties otherwise defined as “flood prone” where the ratio of “non-flood prone” property

(numerator) to the square footage of impervious surface development on the property (denominator) is no less than 3-to-1. However, all other permitting requirements of the County must be satisfied.

5. Any interested party who is subject to these additional permitting requirements and believes they have been inappropriately applied to them may appeal the decision to the Board of County Commissioners of Columbia County. All such appeals must be in writing and mailed to the Board of County Commissioners of Columbia County, Post Office Box 1529, Lake City, Florida 32056-1529. At this time no appeal fee is assessed.

6. This Resolution shall remain in effect until the Board of County Commissioners has approved an appropriate ordinance addressing the flood prone issues of Columbia County or until further action of the Board.

UNANIMOUSLY PASSED AND ADOPTED by the Board of County Commissioners at its regular meeting on the 16th day of June, 2005.

**BOARD OF COUNTY COMMISSIONERS
COLUMBIA COUNTY, FLORIDA**

By:

Jennifer Flinn
Jennifer Flinn, Chairman

ATTEST:

P. DeWitt Cason
P. DeWitt Cason, Clerk of Courts

(SEAL)

COLUMBIA COUNTY BUILDING DEPARTMENT

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

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

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

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

APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS: Two (2) complete sets of plans containing the following:

Applicant	Plans Examiner	
☒	☒	All drawings must be clear, concise and drawn to scale ("Optional" details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☒	☒	Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed.
☒	☒	Site Plan including: a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☒	☒	Wind-load Engineering Summary, calculations and any details required a) Plans or specifications must state compliance with FBC Section 1606 b) The following information must be shown as per section 1606.1.7 FBC a. Basic wind speed (MPH) b. Wind importance factor (I) and building category c. Wind exposure - if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated d. The applicable internal pressure coefficient e. Components and Cladding. The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional
☒	☒	Elevations including: a) All sides b) Roof pitch c) Overhang dimensions and detail with attic ventilation d) Location, size and height above roof of chimneys e) Location and size of skylights f) Building height g) Number of stories
☒	☒	
☒	☒	
☒	☒	
☒	☒	
☒	☒	
☒	☒	
☒	☒	
☒	☒	

see note 1

- 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

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:1SR1487-Z0505152713

Truss Fabricator: Anderson Truss Company
Job Identification: 5-422-SETH HEITZMAN / SPRINGHOLLOW SPEC 30

Truss Count: 66

Model Code: Florida Building Code

Truss Criteria: ANSI/TPI-2002(STD)/FBC;ANSI/TPI-1995(STD)/FBC

Engineering Software: Alpine Software, Versions 7.04, 7.20.

Structural Engineer of Record:

Address:

Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration

Floor - N/A

Wind - 110 MPH ASCE 7-98 -Closed

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
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: BRCLBSUB-A11015EC-GBLLETIN-CNBRGBLK

Seal Date: 10/05/2005

-Truss Design Engineer-
Harry Goodson

Florida License Number: 26454

1950 Marley Drive

Haines City, FL 33844

#	Ref	Description	Drawing#	Date
1	02617--H17AT		05278128	10/05/05
2	02618--A8		05278129	10/05/05
3	02619--H19AT		05278130	10/05/05
4	02620--HM21A		05278131	10/05/05
5	02621--A3		05278132	10/05/05
6	02622--A2		05278133	10/05/05
7	02623--A1		05278134	10/05/05
8	02624--HM19A		05278136	10/05/05
9	02625--AT-1		05278149	10/05/05
10	02626--HM13A		05278148	10/05/05
11	02627--HM15A		05278212	10/05/05
12	02628--HM17A		05278150	10/05/05
13	02629--A4		05278153	10/05/05
14	02630--HM7A		05278157	10/05/05
15	02631--HM9A		05278158	10/05/05
16	02632--HM11A		05278159	10/05/05
17	02633--H7AT		05278160	10/05/05
18	02634--H9AT		05278161	10/05/05
19	02635--H13AT		05278104	10/05/05
20	02636--H15AT		05278213	10/05/05
21	02637--H11AT		05278162	10/05/05
22	02638--H7B		05278214	10/05/05
23	02639--B		05278105	10/05/05
24	02640--H9B		05278106	10/05/05
25	02641--H11B		05278216	10/05/05
26	02642--CGE		05278163	10/05/05
27	02643--C		05278107	10/05/05
28	02644--C1		05278109	10/05/05
29	02645--C2		05278110	10/05/05
30	02646--H2D		05278188	10/05/05
31	02647--D-1		05278189	10/05/05
32	02648--EGE		05278190	10/05/05
33	02649--E		05278113	10/05/05
34	02650--E-1		05278191	10/05/05
35	02651--F2		05278192	10/05/05
36	02652--FGE		05278193	10/05/05

#	Ref	Description	Drawing#	Date
37	02653--F		05278114	10/05/05
38	02654--F1		05278194	10/05/05
39	02655--EJ7		05278195	10/05/05
40	02656--CJ1		05278196	10/05/05
41	02657--CJ7		05278197	10/05/05
42	02658--EJ2		05278115	10/05/05
43	02659--HJ7		05278198	10/05/05
44	02660--HJ704		05278199	10/05/05
45	02661--HJ2		05278215	10/05/05
46	02662--EJ7T2		05278116	10/05/05
47	02663--EJ7T1		05278118	10/05/05
48	02664--EJ72		05278120	10/05/05
49	02665--EJ73		05278122	10/05/05
50	02666--M-1		05278200	10/05/05
51	02667--CJ3		05278201	10/05/05
52	02668--CJ5		05278202	10/05/05
53	02669--EJ7T3		05278123	10/05/05
54	02670--EJ74		05278125	10/05/05
55	02671--M-2		05278147	10/05/05
56	02672--EJ71		05278127	10/05/05
57	02673--H19P		05278203	10/05/05
58	02674--HM21P		05278204	10/05/05
59	02675--A8P		05278205	10/05/05
60	02676--A7P		05278205	10/05/05
61	02677--HM19P		05278206	10/05/05
62	02678--A6P		05278207	10/05/05
63	02679--A5P		05278208	10/05/05
64	02680--A4P		05278209	10/05/05
65	02681--AT-1P		05278210	10/05/05
66	02682--A3P		05278211	10/05/05



Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Page 1 of 1 Document ID:ISR1487-Z0505152713

Truss Fabricator: Anderson Truss Company
Job Identification: 5-422-SETH HEITZMAN / SPRINGHOLLOW SPEC 30 (5-422|-SETH HEITZMAN / SPRINGHOLLOW SPEC 30)
Truss Count: 1
Model Code: Florida Building Code
Truss Criteria: ANSI/TPI-2002(STD)/FBC;ANSI/TPI-1995(STD)/FBC
Engineering Software: Alpine Software, Versions 7.04, 7.20.
Structural Engineer of Record:
Address:
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-98 -Closed

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
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

Seal Date: 10/05/2005

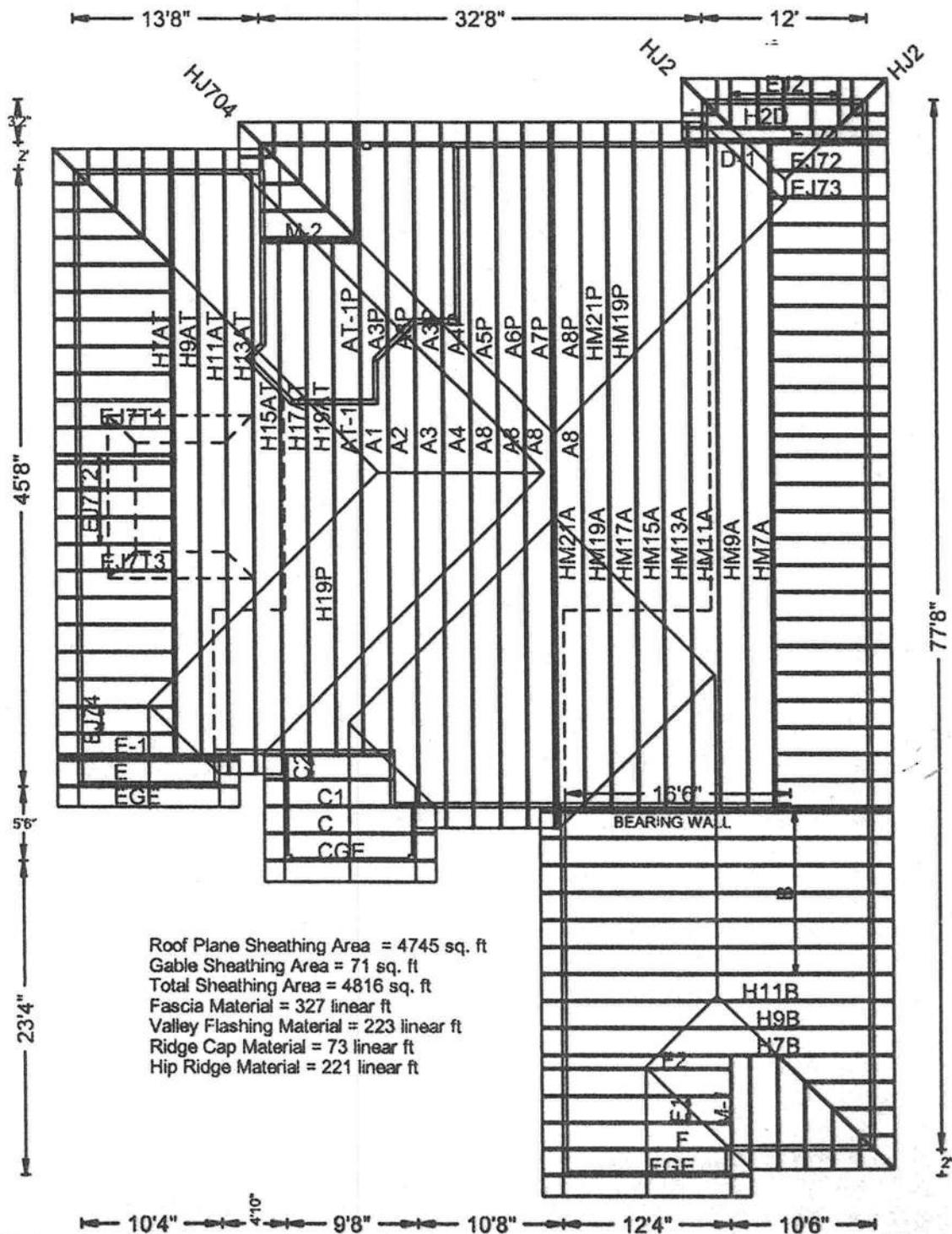
-Truss Design Engineer-
Harry Goodson
Florida License Number: 26454
1950 Marley Drive
Haines City, FL 33844

Revised Trusses

#	Ref	Description	Drawing#	Date
1	02641--H11B		05278216	10/05/05

ALPINE





SETH HEITZMAN / SPRING HALLOW SPEC LOT 30

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

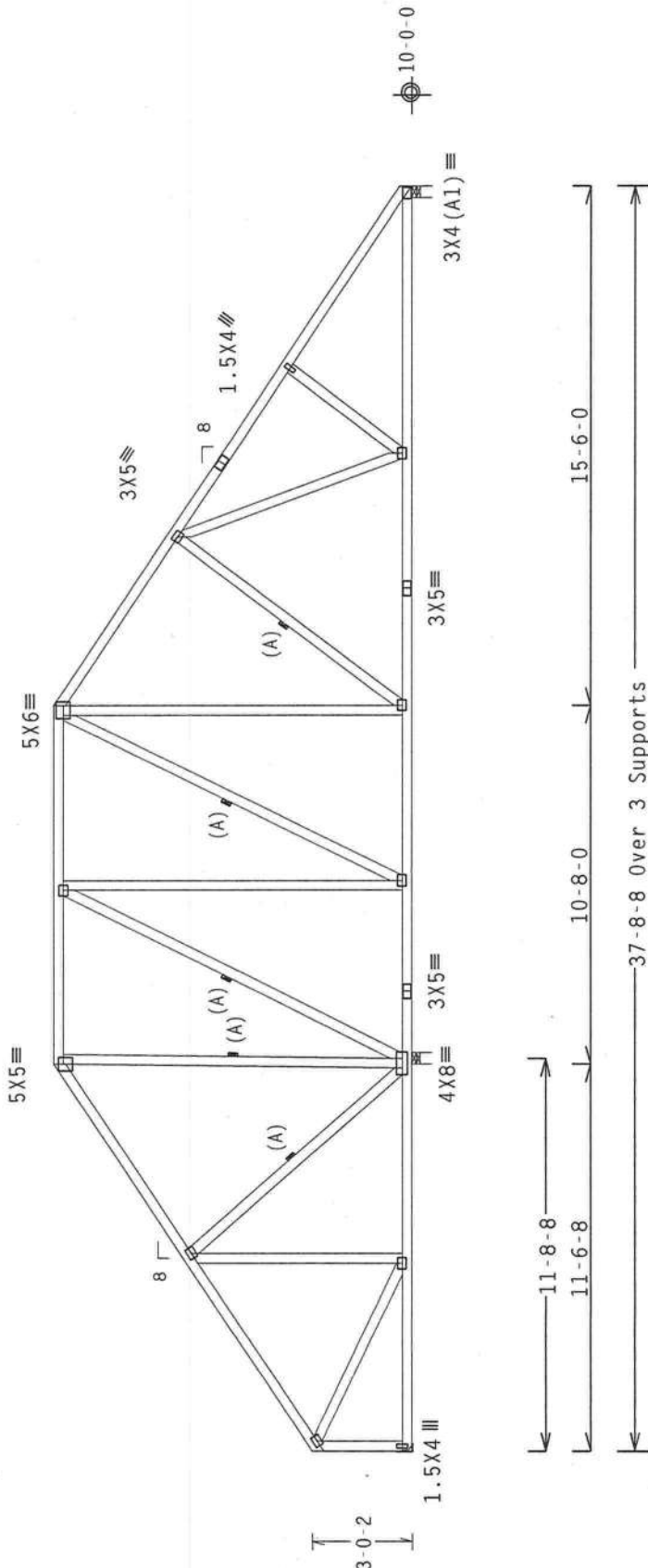
Left end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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

110 mph wind, 15.54 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



R=211 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

Note: All Plates Are 3X4 Except As Shown. R=1979 U=337 W=4"

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

QTY:1

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

****IMPORTANT**** FURNISH 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 ACCORDANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE INSTALLER SHALL BE RESPONSIBLE FOR THE PROVISION OF ALL NECESSARY BRACING AND SHORING. THE INSTALLER SHALL BE RESPONSIBLE FOR THE PROVISION OF ALL NECESSARY CORROSION RESISTANT PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

HARRY B. GOODSON
LICENSE
No. 28454
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Oct 05 '05

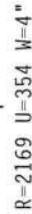
TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

REF	R487--	2617
DATE	10/05/05	
DRW	HCUSR487	05278128
HC-ENG	SL/HBG3	
SEQN	6419	
JREF	1SR1487_Z05	

110 mph wind, 14.94 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

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



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

0805 15

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

TC LL	20.0 PSF	REF R487 -- 2618
TC DL	10.0 PSF	DATE 10/05/05
BC DL	10.0 PSF	DRW HCUSR487 0527812
BC LL	0.0 PSF	HC-ENG SL/HBG3
TOT.LD.	40.0 PSF	SEQN - 6638
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SR1487 705

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BECS 1-303 (BUILDING COMPONENT SAFETY AND PROTECTION) BY TPI (TRUSS PEARL & HERRICK, INC.), 983 N. GARDEN ST., SUITE 200, CHANDLER, AZ 85226 AND 4800 N. GARDEN ST., SUITE 200, CHANDLER, AZ 85226 FOR ADDITIONAL INFORMATION. TRUSSES SHOULD BE PROPERLY HANDLED AND BRACED TO PREVENT DAMAGE TO THE TRUSSES. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED TOP CHORD SHEATH.

**** IMPORTANT ***** FINISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS
STRUCTURES, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE
TRUSS IN CONFORMANCE WITH TP1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES,
DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TP2, ALPINE
ENGINEERS, INC. SHALL BE RESPONSIBLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY
PERMITS AND APPROVALS FOR THE TRUSS. PLATES TO EACH FACE OF THUSSED 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 TP11-2002 SEC. 3. A SEAL ON THIS
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT
OF THIS CONSTRUCTION. THE USE OF THIS CONSENT FOR ANY BUILDING IS AT THE DISCRETION OF THE
BUILDING DESIGNED PER AMER (TP1) 1 SEC. 2.



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

FL. Certificate of Authorization # 567

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

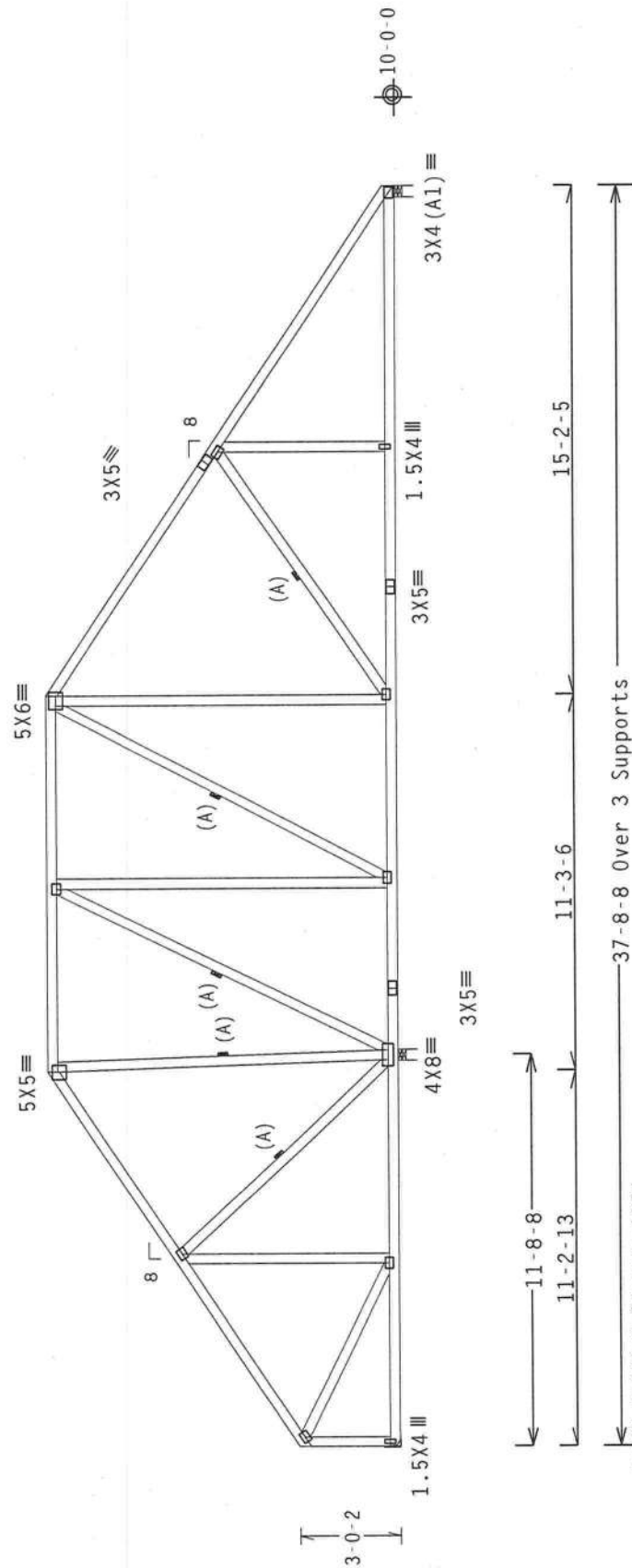
Left end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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

110 mph wind, 15.44 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



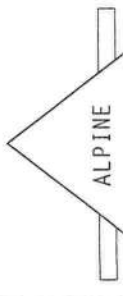
R=262 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine R=1915 U=308 W=4"

Note: All Plates Are 3X4 Except As Shown. Design Crit: TPI-2002 (STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0805 QTY:1 FL/-4/-/-R/- Scale = .1875" /Ft.

PLT TYP. Wave

****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'UNGERFIO 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 OR BRACING THE TRUSS SHALL BE THE RESPONSIBILITY OF THE INSTALLER. DESIGN CONFORMS WITH WPL 1000 (2018) AND WPL 1000 (2018) AS PER THE SPECIFICATIONS OF THE TPI. 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 ARBEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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



HARRY B. GOODSON
LICENSE
No. 26454
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Oct 05 '05

TC LL	20.0 PSF	REF	R487--	2619
TC DL	10.0 PSF	DATE	10/05/05	
BC DL	10.0 PSF	DRW	HCUSR487	05278130
BC LL	0.0 PSF	HC-ENG	SL/HBG3	
TOT.LD.	40.0 PSF	SEON-	6438	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SR1487_Z05	

Top chord 2x6 SP #2 :T1, T2, T8, T9 2x4 SP #2 Dense:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

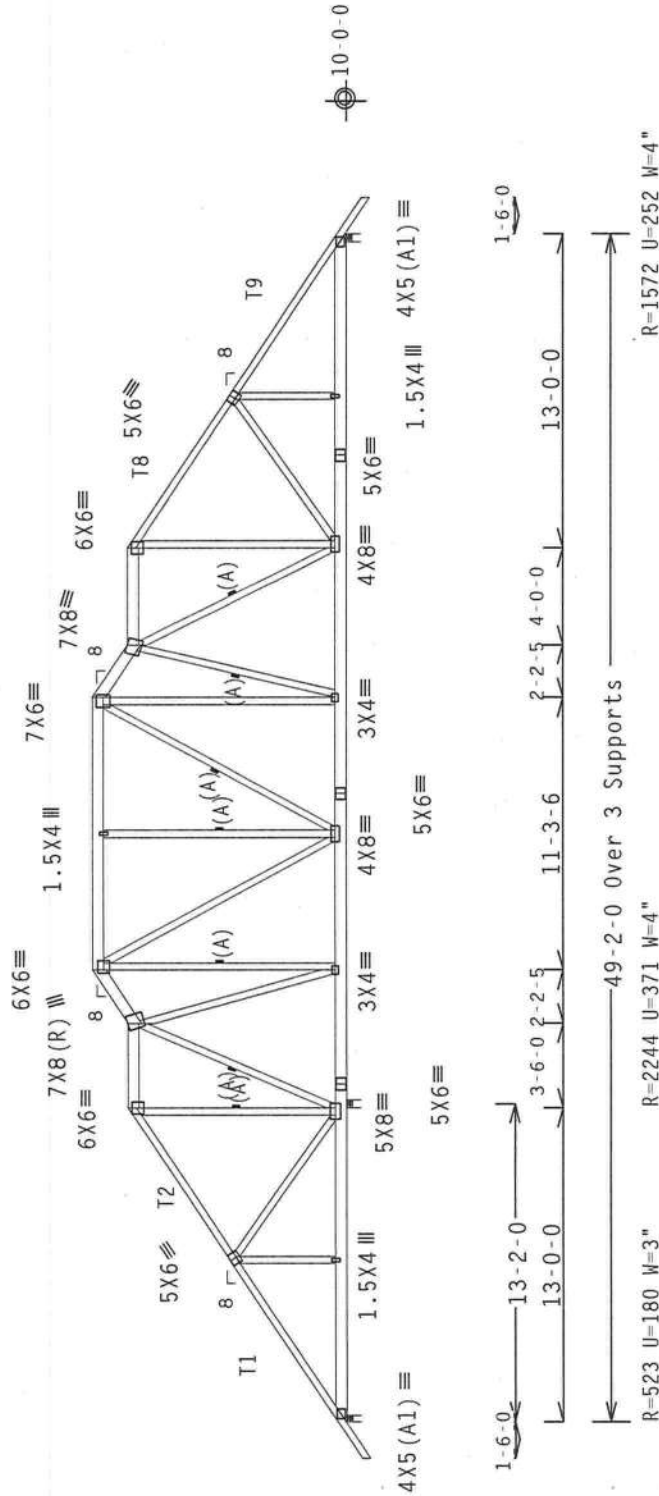
(A) Continuous lateral bracing equally spaced on member.

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

110 mph wind, 14.94 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

This truss is not reversible. Per ANSI/TPI 1-2002, Section 2.4.3 Truss Manufacturer is responsible to provide information for proper orientation of trusses. This information shall be provided to the contractor.



Design Crit: TPI-2002 (STD)/FBC

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

7.04.0805

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

Scale = .125"/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'UNOIRIO 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 WCA REQUIREMENTS, OR ANY FAILURE TO FOLLOW THE INSTRUCTIONS OF THE BUILDING DESIGNER, SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

PLT TYP. Wave

TC LL 20.0 PSF

TC DL 10.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TOT.LD. 40.0 PSF

DUR.FAC. 1.25

SPACING 24.0"

JREF - 1SR1487_Z05

REF R487-- 2621

DATE 10/05/05

DRW HCUSR487 05278132

HC-ENG SL/HBG3

SEQN - 6705

Top chord 2x6 SP #2 :T1, T7 2x4 SP #2 Dense:

Bot chord 2x6 SP #2

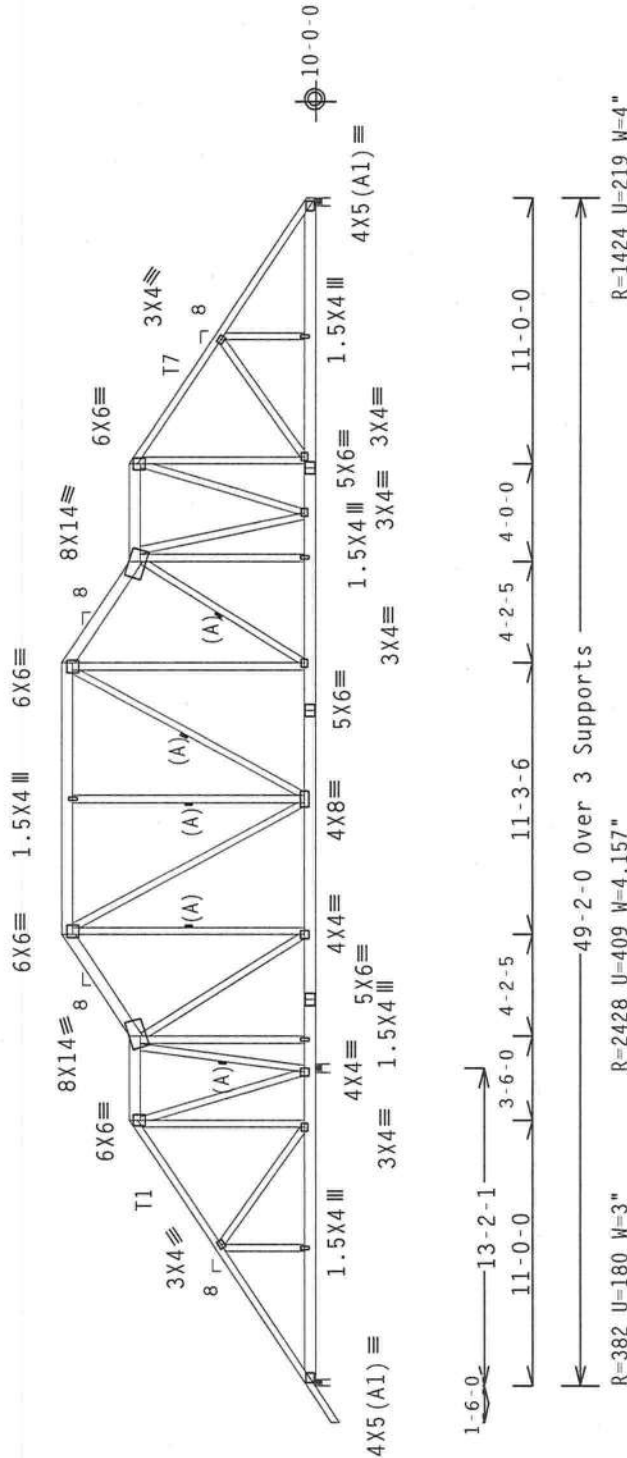
Webs 2x4 SP #3

(A) Continuous lateral bracing equally spaced on member.

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

110 mph wind, 14.94 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind Tc DL=5.0 psf, wind BC DL=5.0 psf.

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

PLT TYP. Wave
QTY: 1
FL / - / 4 / - / R / -
Scale = .125" / Ft.

TC LL	20.0 PSF	REF	R487 - - 2622
TC DL	10.0 PSF	DATE	10/05/05
BC DL	10.0 PSF	DRW	HCUSR487 05278133
BC LL	0.0 PSF	HC-ENG	SL/HBG3
TOT.LD.	40.0 PSF	SEQN	6726
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1SR1487_Z05



ALPINE ENGINEERED PRODUCTS, INC.
1350 N. Mary Dr.
Haines City, FL 33844
FL Certificate of Authorization # 567

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

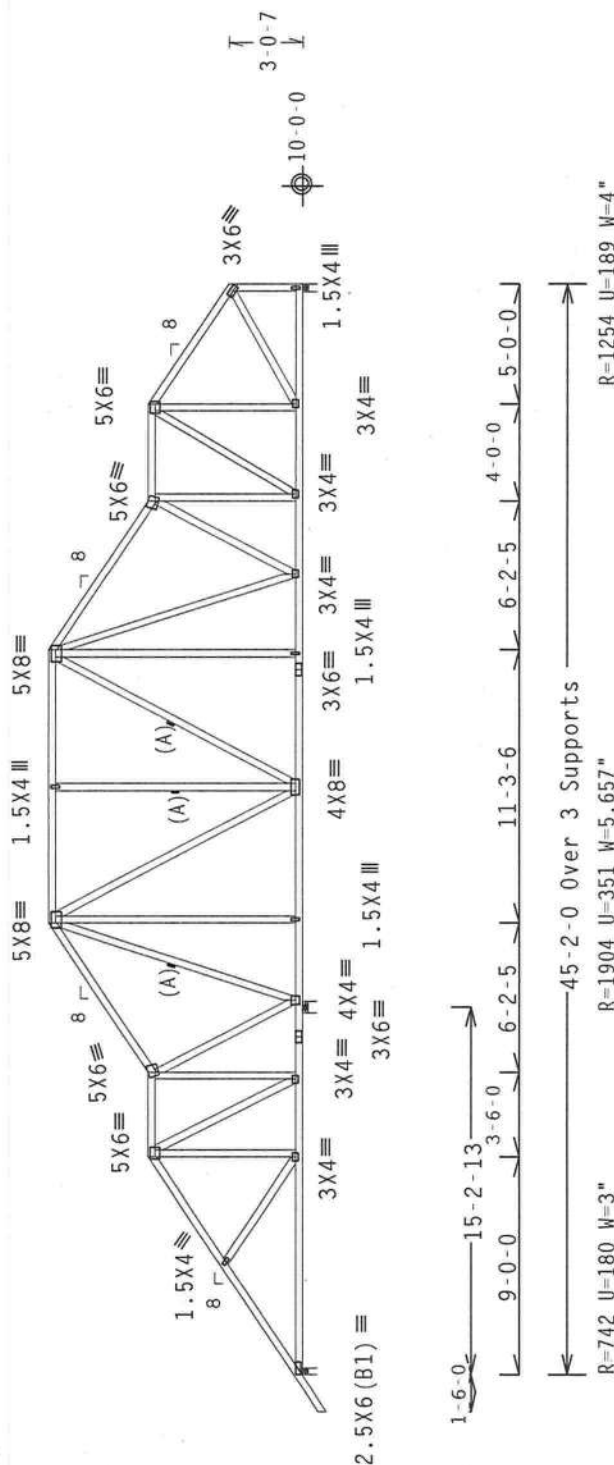
110 mph wind, 14.94 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

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

Right end vertical not exposed to wind pressure.

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



Design Crit: TPI-2002(STD)/FBC

QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

PLT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE FOLLOWING INFORMATION IS FOR THE USER OF PLANS AND SPECIFICATIONS. FOR ADDITIONAL INFORMATION, CONTACT THE TRUSS MANUFACTURER. TRUSS MANUFACTURER: **TRUSS KING TRUSS CO.**, 1000 W. 10TH AVE., SUITE 200, MADISON, WI 53719. AND **WCA WOOD TRUSS COUNCIL OF AMERICA**, 6340 ENTERPRISE DR., SUITE 100, MADISON, WI 53719. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

* IMPORTANT - * furnish a copy of this design to the INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES OR ATTACHING BRACES TO THE TRUSSES BY ANY MEANS, INCLUDING BUT NOT LIMITED TO, STEEL CONNECTION PLATES ARE MADE OF 201/19/16/14/12/10/8/6/4/3/2/1 ASTM A573 GRADE 50/60/65/70/75/80/90/100/110/120/130/140/150/160/170/180/190/200/210/220/230/240/250/260/270/280/290/300/310/320/330/340/350/360/370/380/390/400/410/420/430/440/450/460/470/480/490/500/510/520/530/540/550/560/570/580/590/600/610/620/630/640/650/660/670/680/690/700/710/720/730/740/750/760/770/780/790/800/810/820/830/840/850/860/870/880/890/900/910/920/930/940/950/960/970/980/990/1000/1010/1020/1030/1040/1050/1060/1070/1080/1090/1100/1110/1120/1130/1140/1150/1160/1170/1180/1190/1200/1210/1220/1230/1240/1250/1260/1270/1280/1290/1300/1310/1320/1330/1340/1350/1360/1370/1380/1390/1400/1410/1420/1430/1440/1450/1460/1470/1480/1490/1500/1510/1520/1530/1540/1550/1560/1570/1580/1590/1600/1610/1620/1630/1640/1650/1660/1670/1680/1690/1700/1710/1720/1730/1740/1750/1760/1770/1780/1790/1800/1810/1820/1830/1840/1850/1860/1870/1880/1890/1900/1910/1920/1930/1940/1950/1960/1970/1980/1990/2000/2010/2020/2030/2040/2050/2060/2070/2080/2090/2100/2110/2120/2130/2140/2150/2160/2170/2180/2190/2200/2210/2220/2230/2240/2250/2260/2270/2280/2290/2300/2310/2320/2330/2340/2350/2360/2370/2380/2390/2400/2410/2420/2430/2440/2450/2460/2470/2480/2490/2500/2510/2520/2530/2540/2550/2560/2570/2580/2590/2600/2610/2620/2630/2640/2650/2660/2670/2680/2690/2700/2710/2720/2730/2740/2750/2760/2770/2780/2790/2800/2810/2820/2830/2840/2850/2860/2870/2880/2890/2900/2910/2920/2930/2940/2950/2960/2970/2980/2990/3000/3010/3020/3030/3040/3050/3060/3070/3080/3090/3100/3110/3120/3130/3140/3150/3160/3170/3180/3190/3200/3210/3220/3230/3240/3250/3260/3270/3280/3290/3300/3310/3320/3330/3340/3350/3360/3370/3380/3390/3400/3410/3420/3430/3440/3450/3460/3470/3480/3490/3500/3510/3520/3530/3540/3550/3560/3570/3580/3590/3600/3610/3620/3630/3640/3650/3660/3670/3680/3690/3700/3710/3720/3730/3740/3750/3760/3770/3780/3790/3800/3810/3820/3830/3840/3850/3860/3870/3880/3890/3900/3910/3920/3930/3940/3950/3960/3970/3980/3990/4000/4010/4020/4030/4040/4050/4060/4070/4080/4090/4100/4110/4120/4130/4140/4150/4160/4170/4180/4190/4200/4210/4220/4230/4240/4250/4260/4270/4280/4290/4300/4310/4320/4330/4340/4350/4360/4370/4380/4390/4400/4410/4420/4430/4440/4450/4460/4470/4480/4490/4500/4510/4520/4530/4540/4550/4560/4570/4580/4590/4600/4610/4620/4630/4640/4650/4660/4670/4680/4690/4700/4710/4720/4730/4740/4750/4760/4770/4780/4790/4800/4810/4820/4830/4840/4850/4860/4870/4880/4890/4900/4910/4920/4930/4940/4950/4960/4970/4980/4990/5000/5010/5020/5030/5040/5050/5060/5070/5080/5090/5100/5110/5120/5130/5140/5150/5160/5170/5180/5190/5200/5210/5220/5230/5240/5250/5260/5270/5280/5290/5300/5310/5320/5330/5340/5350/5360/5370/5380/5390/5400/5410/5420/5430/5440/5450/5460/5470/5480/5490/5500/5510/5520/5530/5540/5550/5560/5570/5580/5590/5600/5610/5620/5630/5640/5650/5660/5670/5680/5690/5700/5710/5720/5730/5740/5750/5760/5770/5780/5790/5800/5810/5820/5830/5840/5850/5860/5870/5880/5890/5900/5910/5920/5930/5940/5950/5960/5970/5980/5990/6000/6010/6020/6030/6040/6050/6060/6070/6080/6090/6100/6110/6120/6130/6140/6150/6160/6170/6180/6190/6200/6210/6220/6230/6240/6250/6260/6270/6280/6290/6300/6310/6320/6330/6340/6350/6360/6370/6380/6390/6400/6410/6420/6430/6440/6450/6460/6470/6480/6490/6500/6510/6520/6530/6540/6550/6560/6570/6580/6590/6600/6610/6620/6630/6640/6650/6660/6670/6680/6690/6700/6710/6720/6730/6740/6750/6760/6770/6780/6790/6800/6810/6820/6830/6840/6850/6860/6870/6880/6890/6900/6910/6920/6930/6940/6950/6960/6970/6980/6990/7000/7010/7020/7030/7040/7050/7060/7070/7080/7090/7100/7110/7120/7130/7140/7150/7160/7170/7180/7190/7200/7210/7220/7230/7240/7250/7260/7270/7280/7290/7300/7310/7320/7330/7340/7350/7360/7370/7380/7390/7400/7410/7420/7430/7440/7450/7460/7470/7480/7490/7500/7510/7520/7530/7540/7550/7560/7570/7580/7590/7600/7610/7620/7630/7640/7650/7660/7670/7680/7690/7700/7710/7720/7730/7740/7750/7760/7770/7780/7790/7800/7810/7820/7830/7840/7850/7860/7870/7880/7890/7900/7910/7920/7930/7940/7950/7960/7970/7980/7990/8000/8010/8020/8030/8040/8050/8060/8070/8080/8090/8100/8110/8120/8130/814



TC LL	20.0	PSF	REF R487-- 2623
TC DL	10.0	PSF	DATE 10/05/05
BC DL	10.0	PSF	DRW HCURS487 05278134
BC LL	0.0	PSF	HC-ENG SL/HBG3
TOT.LD.	40.0	PSF	SEQN- 6737
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1SR1487_Z05

Top chord 2x4 SP #2 Dense :T3, T4 2x6 SP #2:

Bot chord 2x6 SP #2

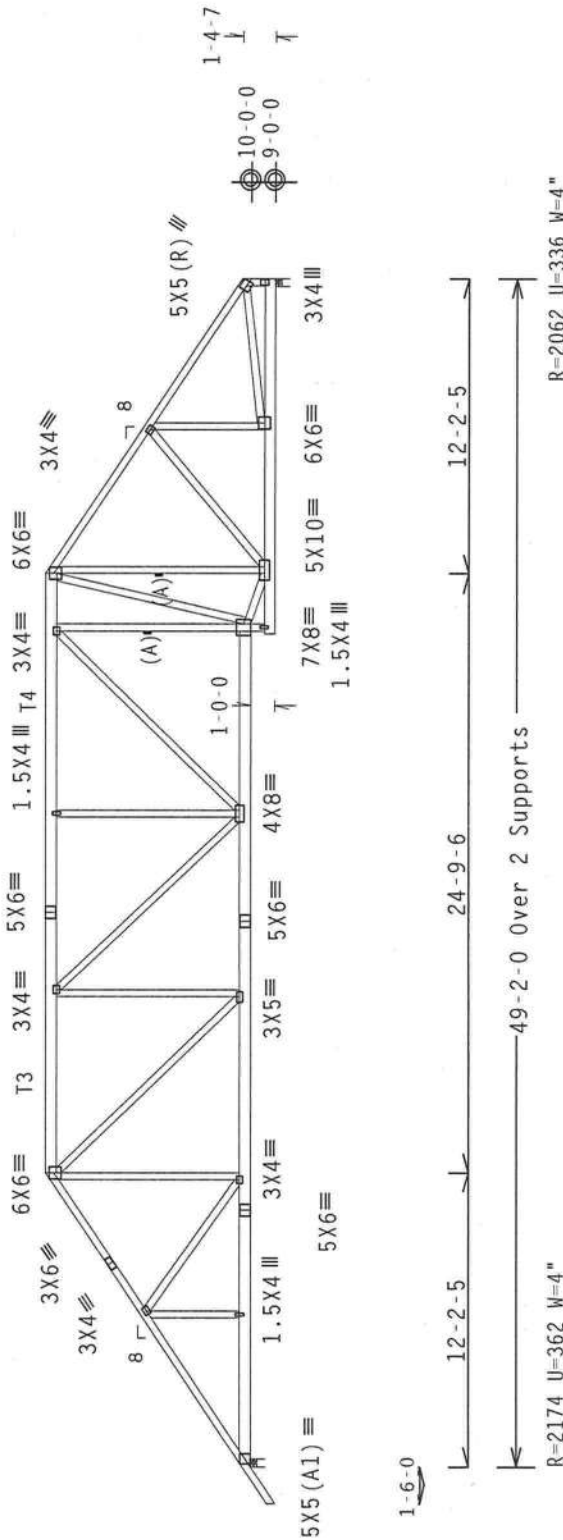
Webs 2x4 SP #3

(A) Continuous lateral bracing equally spaced on member.

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

110 mph wind, 13.94 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEER TRUSSES ARE DESIGNED TO BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE FABRICATION AND INSTALLATION OF THE TRUSS. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE ENGINEER TRUSSES ARE MADE OF 20/18/16GA (0.015/0.018/0.016) ASTM A653 GRADE 40/60 (H, K/H, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC. 3. A SEAL ON THIS DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

PLT TYP. Wave



Alpine Engineered Products, Inc.
1930 N. Hwy 1
Haines City, FL 33844
FL Certificate of Authorization # 567

QTY: 1



FL / - / 4 / - / R / -

Scale = .125" / Ft.

TC LL	20.0 PSF	REF	R487 - 2624
TC DL	10.0 PSF	DATE	10/05/05
BC DL	10.0 PSF	DRW	HCUSR487 05278136
BC LL	0.0 PSF	HC-ENG	SL/HBG3
TOT.LD.	40.0 PSF	SEQN	6525
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1SR1487_Z05

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

110 mph wind, 16.26 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

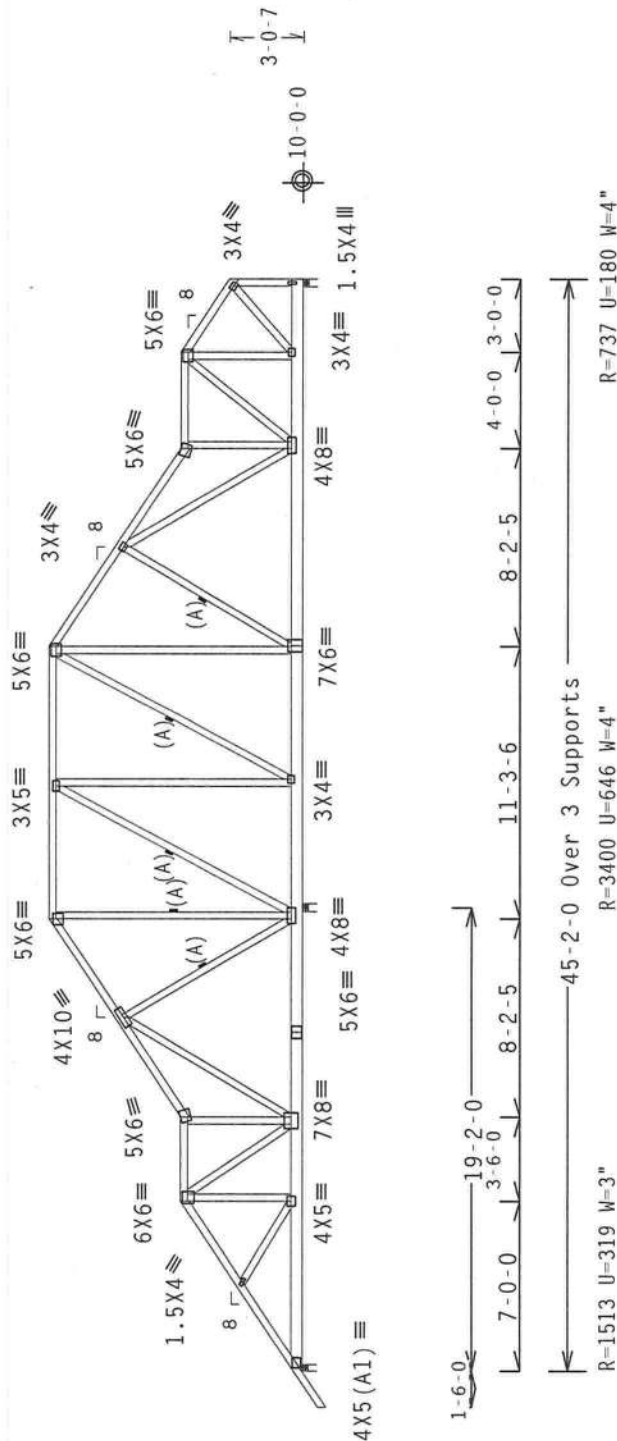
Deflection meets L/360 Live and L/240 total load. Creep increase factor for dead load is 1.50.

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

SPECIAL LOADS

----- (LUMBER DUR. FAC = 1.25 / PLATE DUR. FAC = 1.25)
TC - From 64 PLF at -1.50 to 64 PLF at 7.00
TC - From 64 PLF at 7.00 to 64 PLF at 26.00
TC - From 64 PLF at 26.00 to 64 PLF at 38.17
TC - From 64 PLF at 38.17 to 64 PLF at 42.17
TC - From 64 PLF at 42.17 to 64 PLF at 45.17
BC - From 5 PLF at -1.50 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 45.17
PLT - 636 LB Conc. Load at (7.40, 15.00)
PLB - 1114 LB Conc. Load at (7.40, 10.04)

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002 (STD) / FBC

PLT TYP. Wave
QTY: 1
FL / - / 4 / - / - / R / -
Scale = .125" / Ft.



ALPINE ENGINEERED PRODUCTS, INC.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

REF	R487 --	2625
DATE	10/05/05	
DRW	HCUSR487 05278149	
HC-ENG	SL/HBG3	
SEQN	6779	
TOT.LD.	40.0 PSF	
DUR.FAC.	1.25	
SPACING	24.0"	

Top chord 2x4 SP #2 Dense :T2, T3 2x6 SP #2:

Bot chord 2x6 SP #2

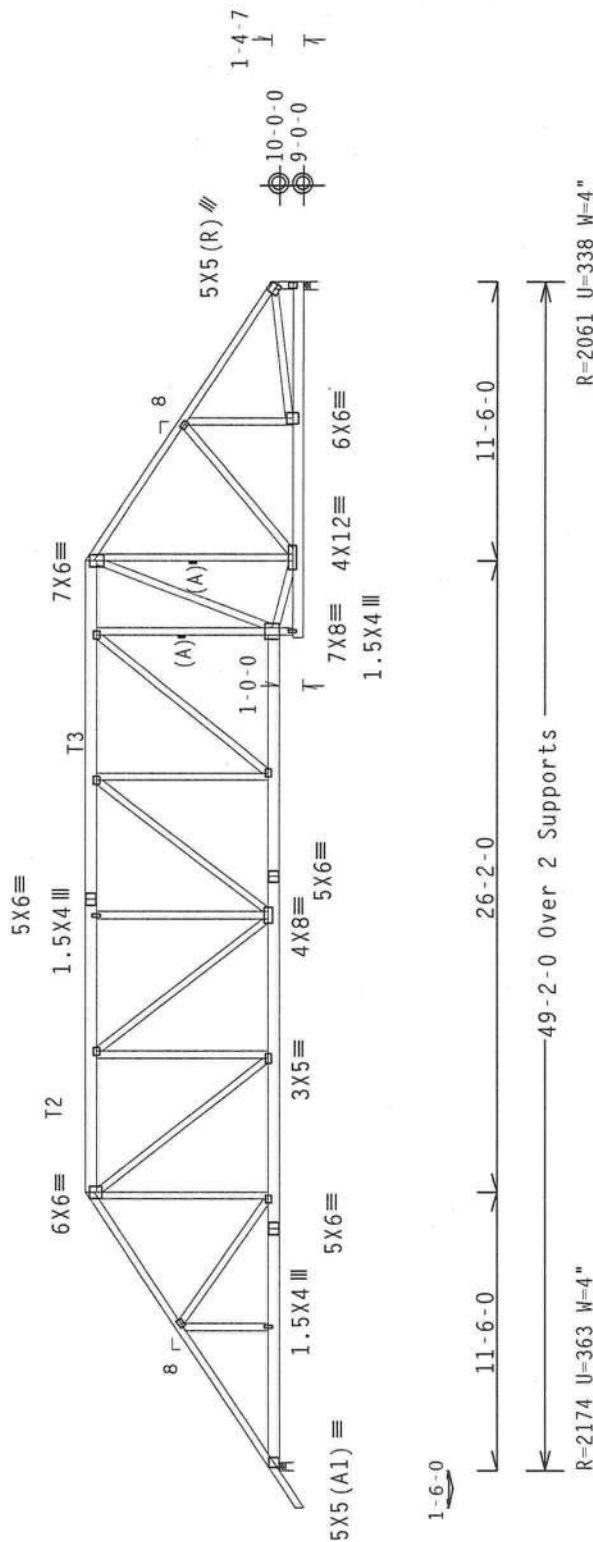
Webs 2x4 SP #3

(A) Continuous lateral bracing equally spaced on member.

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

110 mph wind, 13.70 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave	QTY:1	FL/-/4/-/-/R/-	Scale = .125"/Ft.
	TC LL	20.0 PSF	REF R487-- 2626
	TC DL	10.0 PSF	DATE 10/05/05
	BC DL	10.0 PSF	DRW HCUSR487 05278148
	BC LL	0.0 PSF	HC-ENG SL/HBG3
	TOT.LD.	40.0 PSF	SEQN- 6485
	DUR.FAC.	1.25	JREF- 1SR1487_Z05
Oct 05 '05		SPACING	24.0"

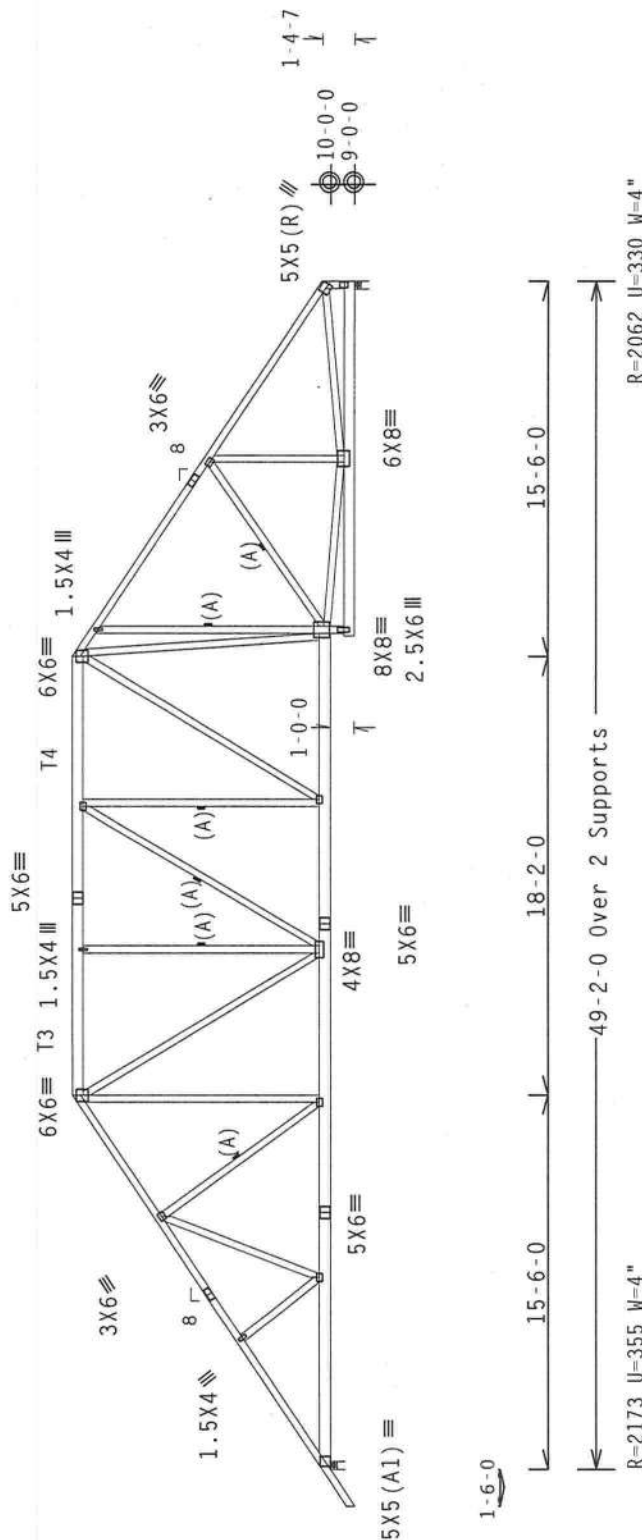
Top chord 2x4 SP #2 Dense :T3, T4 2x6 SP #2:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

(A) Continuous lateral bracing equally spaced on member.

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

110 mph wind, 15.04 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

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

7.04.0805

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

Scale = .125"/Ft.



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

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

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

PLT TYP. Wave

Top chord 2x6 SP #2 :T1, T6 2x4 SP #2 Dense:

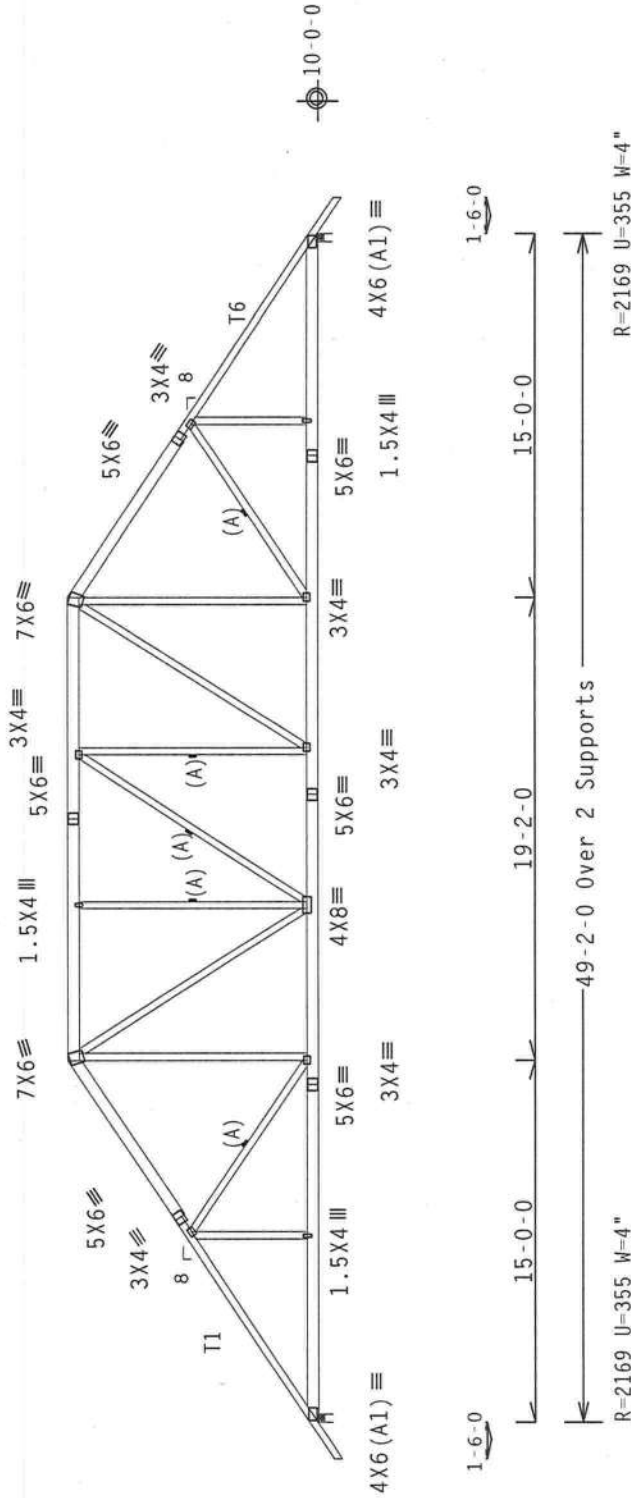
Bot chord 2x6 SP #2
Webs 2x4 SP #3

(A) Continuous lateral bracing equally spaced on member.

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

110 mph wind, 14.87 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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) 7.04.0805.15

Scale = .125" / Ft.

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

TC LL 20.0 PSF

TC DL 10.0 PSF

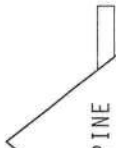
BC DL 10.0 PSF

BC LL 0.0 PSF

TOT.LD. 40.0 PSF

DUR.FAC. 1.25

SPACING 24.0"

 Alpine Engineering Products, Inc. 1950 Marley Drive Haines City, FL 33844 FL Certificate of Authorization # 567	***WARNING*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO SECT 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TRUSS PLATE INSTITUTE, 503 CONSUMER DR., SUITE 200, MADISON, VT 53719, AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, VT 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 DETAILATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFLICTS WITH APPLICABLE PROVISIONS OF THE DESIGN OF WOOD MEMBERS (SDP 1653, 10/7/97), K&H S3 GALV. STEEL, APPLICABLE TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. 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.	REF R487 -- 2629
		DATE 10/05/05
		DRW HCUSR487 05278153
		HC-ENG SL/HBG3
		SEQN - 6689
JREF - 1SR1487_Z05		

(A) Continuous lateral bracing equally spaced on member.

increase factor for dead load is 1.50.



Girder is (1)2X6 min. So. Pi^{Design} Crit: TPI-2002(STD)/FBC

0805.

[illegible]

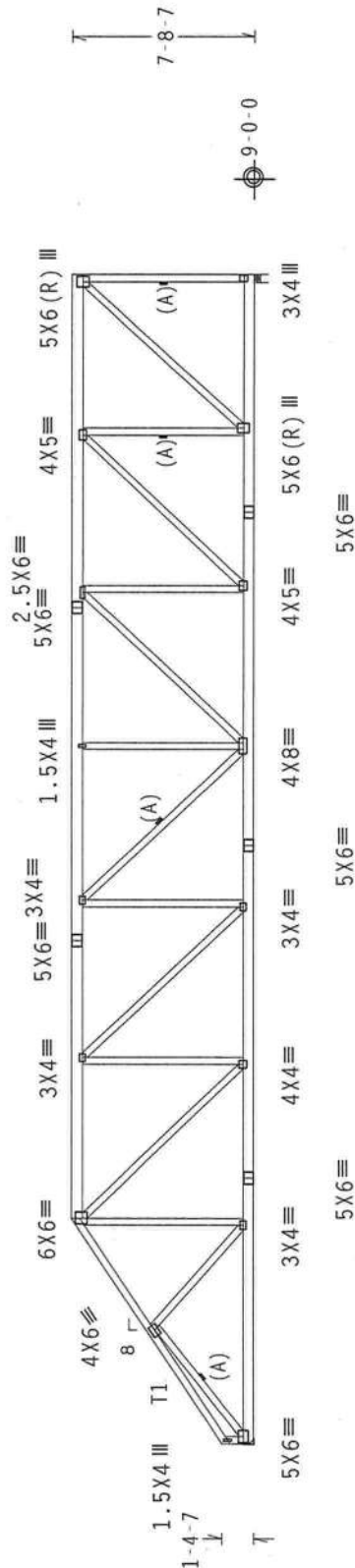
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

110 mph wind, 13.54 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf

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.

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

(A) Continuous lateral bracing equally spaced on member.



← 49-2-0 Over 2 Supports
R=2068 U=330 H=Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC

Scale = .125"/Ft.

	TC LL	20.0 PSF	REF R487 -- 2632
	TC DL	10.0 PSF	DATE 10/05/05
	BC DL	10.0 PSF	DRW HCUSR487 05278159
	BC LL	0.0 PSF	HC-ENG SL/HBG3
	TOT.LD.	40.0 PSF	SEQN - 6476
	DUR.FAC.	1.25	
	SPACING	24.0"	JREF- 1SR1487 Z05

****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLECE INSTITUTE, 983 PETER AVE., SUITE 200, WILSON, NJ 07095) AND MTC (NORTH CAROLINA TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., SUITE 100, WILSON, NC 27157) FOR ADDITIONAL INFORMATION. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED TOP GIRD BEAM.

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 OR APPLYING THESE TRUSSES IN CONFORMANCE WITH TPI. (SEE NOTE ON DRAWING) (SEE SPECIFICATIONS AND CONNECTIONS) (SEE DETAIL DRAWINGS)

CONNECTION PLATES ARE MADE OF 20X8X16GA./AL-7050-T3 AS9M ASSN 6020-04760 (A, K/S/S). GAVL STEEL APPLIED TO ALL PLATES PER DETAIL DRAWING 160A-2.

PLATES TO EACH FACE OF TRUSSES AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPII-2012, SEC.3. A SEAL ON THE DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT MANUFACTURED BY ALPINE ENGINEERED PRODUCTS, INC. OF THIS COMPANY FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX I/FPII 1 SEC. 2.

Top chord 2x4 SP #2 Dense :T2, T3 2x6 SP #2:

Bot chord 2x6 SP #2 :B4 2x6 SP #1 Dense:

Webs 2x4 SP #3 :W7, W13 2x6 SP #2:

SPECIAL LOADS

TC - From	DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25
BC - From	60 PLF at -1.50 to 60 PLF at 43.17
BC - From	4 PLF at -1.50 to 4 PLF at 0.00
BC - From	20 PLF at 0.00 to 20 PLF at 43.17
TC - 179 LB Conc. Load at 7.06,	9.06, 11.06, 13.06, 15.06
TC - 171 LB Conc. Load at 19.06	17.06, 33.60, 35.60, 37.60
TC - 174 LB Conc. Load at 21.06,	21.60, 23.60, 25.60, 27.60
TC - 448 LB Conc. Load at 7.00	
BC - 74 LB Conc. Load at 9.06,	11.06, 13.06, 15.06, 17.06
BC - 33.60, 35.60, 37.60	
BC - 93 LB Conc. Load at 19.06	
BC - 100 LB Conc. Load at 21.06,	21.60, 23.60, 25.60, 27.60
BC - 84 LB Conc. Load at 29.60	
BC - 274 LB Conc. Load at 39.60,	41.60

(A) Continuous lateral bracing equally spaced on member.

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: (10d Common (0.148"x3", min.)_nails)

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

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

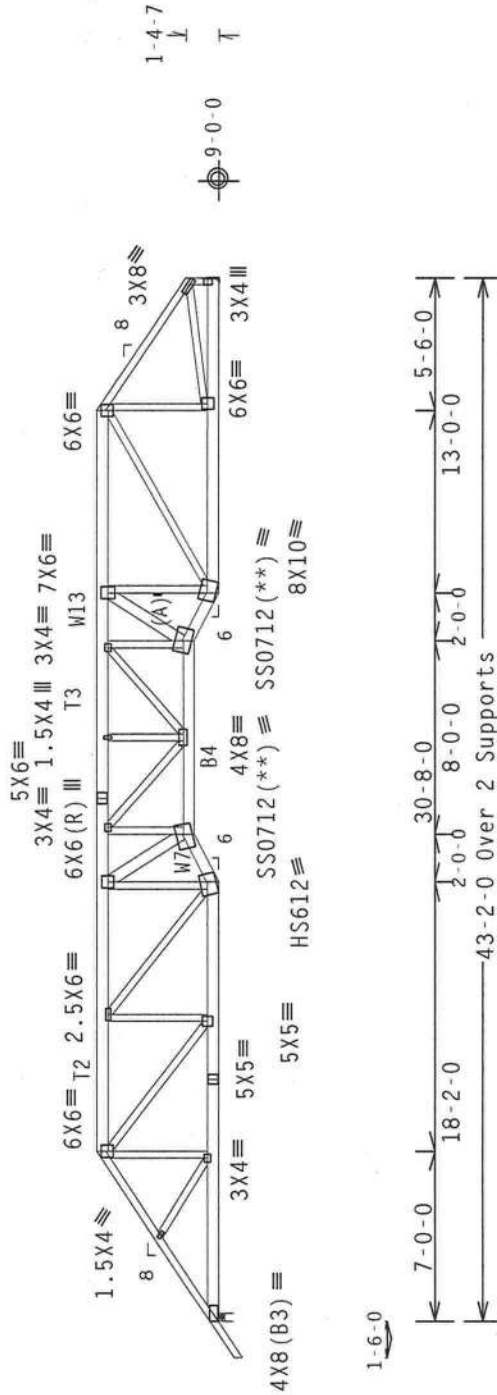
Webs : 1 Row @ 4" o.c.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Calculated horizontal deflection is 0.11" due to live load and 0.16" due to dead load.

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



R=4310 U=1562 W=4"

R=4581 U=1890 H=Simpson HGUS26-2
w/ (8) 16d, 0.162"x2.5" nails in Truss
w/ (20) 16d, 0.162"x2.5" nails in Girder
Girder is (2)2X6 min. So.Pine

PLT TYP. 20 Gauge HS, 18 Gauge HS, Design Crit: TPI-2002(STD)/FBC
Wave Cq/RT=1.00(1.25)/10(0) 7.04.0805 QTY:1 FL/-4/-/-R/- Scale =.125"/Ft.

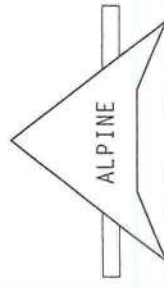
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFIO DR., SUITE 200, MADISON, WI 53719) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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 OF FABRICATION, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THIS NATIONAL DESIGN SPEC. BY AIA/AIA AND TPI'S. ALL THE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Oct 05 '05

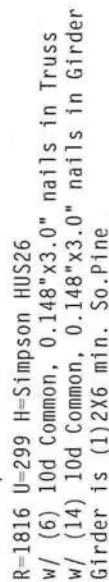
TC LL	20.0 PSF	REF	R487 -- 2633
TC DL	10.0 PSF	DATE	10/05/05
BC DL	10.0 PSF	DRW	HCUSR487 05278160
BC LL	0.0 PSF	HC-ENG	SL/HBG3
TOT.LD.	40.0 PSF	SEQN-	6412
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SR1487_Z05



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

110 mph wind, 11.87 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member. Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



QTY:1 FL/-/4/-/-/R/-
Scale = .125"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. TRUSSES TO BECS 1-03 (BUILDING COMPONENTS), SUBSHEED BY THE STEEL PLATE INSTITUTE, 583 N. MICHIGAN, CHICAGO, ILL. 60611-1500. TRUSSES ARE TO BE SHIPPED TO THE PROJECT BY TRUCK TO WISCONSIN, WJ 57279. TOP 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 SHEATHING.

**** 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 OR BRACING OF TRUSSES. APPLY DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NIS (NATIONAL DESIGN CODE BY AFPA) AND TPI. ALPINE TRUSS COMPANY TRUSS PLATES ARE MADE OF 20/18/16GA (W-H/5/16) ASTM A563 GRADE 40 (W, H, J-H/S) GALV. STEEL. TRUSS PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160A-2. INSPECTION OF PLATES FOLLOWING BY 413 SHALL BE RETURNED AS OF 3/21/2002 SEC 3. A SEAL ON THIS

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANCH A3 OF TPI-2002 SEC. 3. A SEAL ON THIS PREPARING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TROSS 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.

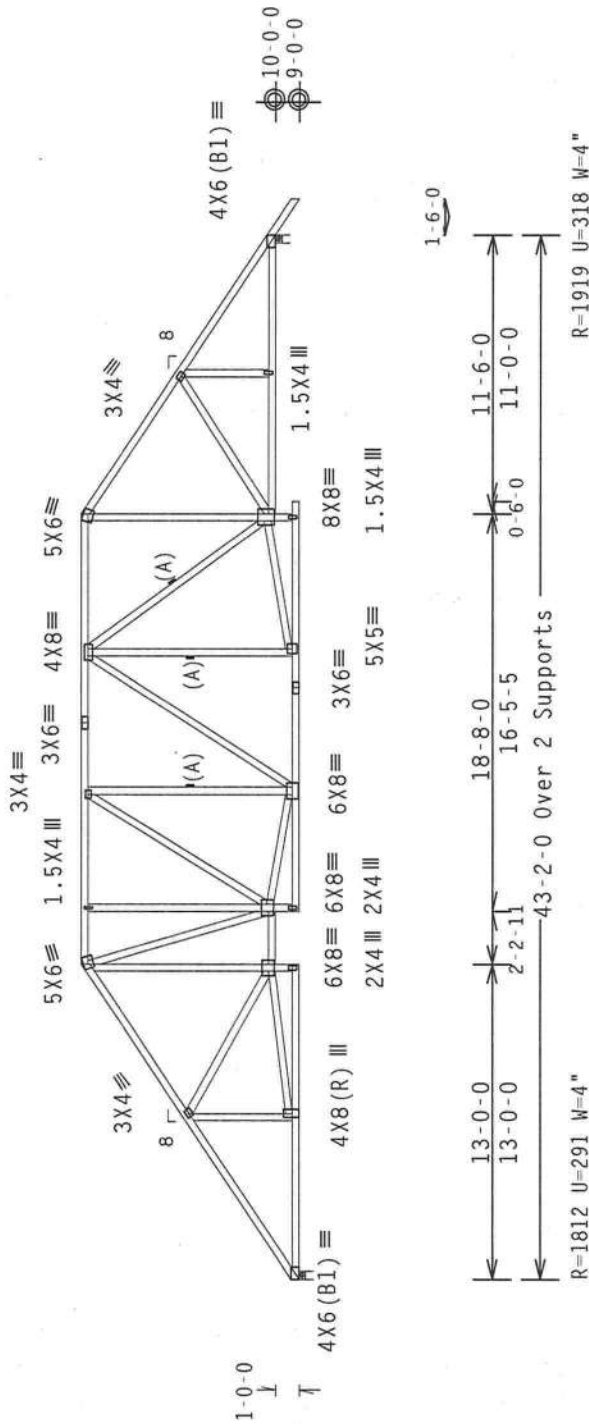
TC LL	20.0 PSF	REF R487-- 2634
TC DL	10.0 PSF	DATE 10/05/05
BC DL	10.0 PSF	DRW HCUR487 05278161
BC LL	0.0 PSF	HC-ENG SL/HBG3
TOT.LD.	40.0 PSF	SEQN - 6339
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SR1487_Z05

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

110 mph wind, 13.70 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

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

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN OF THIS TRUSS. ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTORS), AISC 360-10 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-11 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-12 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-13 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-14 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-15 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-16 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-17 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-18 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-19 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-20 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-21 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-22 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-23 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-24 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-25 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-26 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-27 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-28 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-29 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-30 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-31 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-32 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-33 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-34 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-35 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-36 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-37 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-38 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-39 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-40 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-41 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-42 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-43 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-44 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-45 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-46 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-47 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-48 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-49 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-50 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-51 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-52 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-53 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-54 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-55 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-56 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-57 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-58 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-59 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-60 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-61 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-62 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-63 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-64 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-65 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-66 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-67 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-68 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-69 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-70 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-71 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-72 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-73 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-74 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-75 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-76 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-77 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-78 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-79 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-80 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-81 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-82 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-83 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-84 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-85 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-86 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-87 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-88 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-89 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-90 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-91 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-92 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-93 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-94 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-95 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-96 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-97 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-98 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-99 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING), AISC 360-100 (SPECIFICATION FOR STRUCTURAL STEEL BUILDING).

PLT TYP. Wave

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

QTY:1	FL/-/4/-/R/-	Scale = .125"/Ft.
TC LL	20.0 PSF	REF R487-- 2635
TC DL	10.0 PSF	DATE 10/05/05
BC DL	10.0 PSF	DRW HCUSR487 05278104
BC LL	0.0 PSF	HC-ENG SL/HBG3
TOT.LD.	40.0 PSF	SEQN- 6374
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SR1487_Z05

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

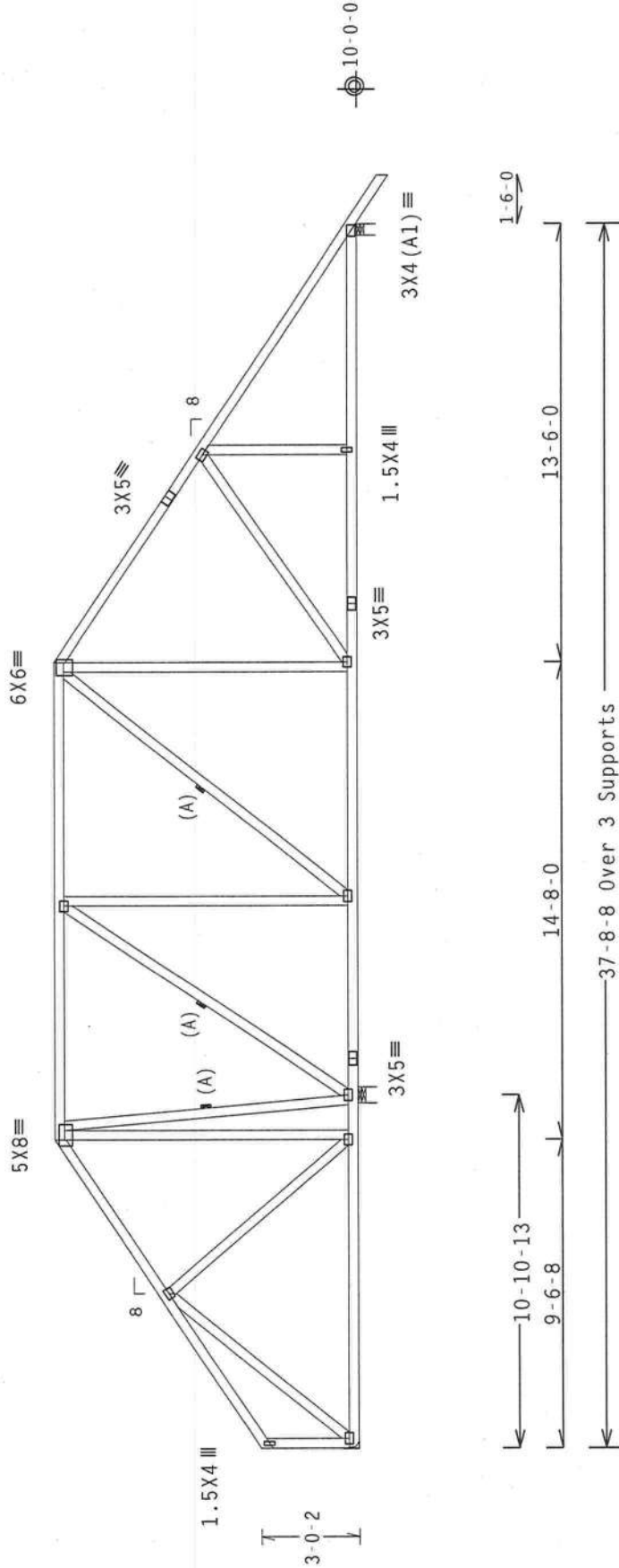
Left end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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

110 mph wind, 14.37 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind Tc DL=5.0 psf, wind BC DL=5.0 psf.

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



R=235 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

Note: All Plates Are 3x4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

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

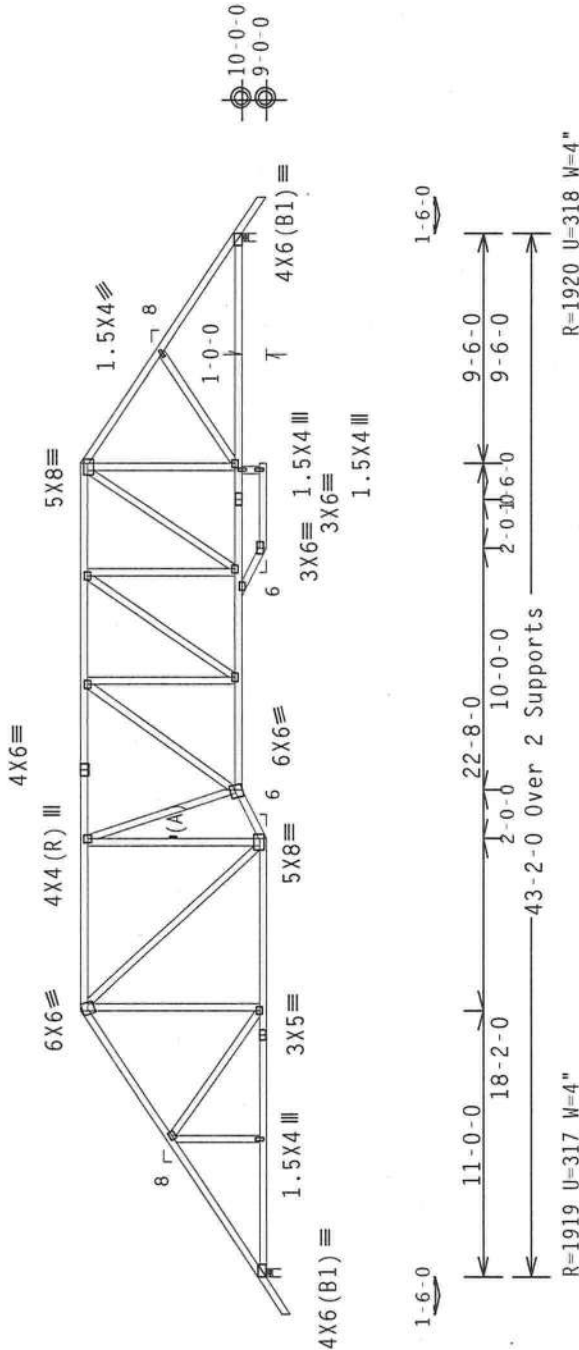
 Alpine Engineering Products, Inc. 1950 Marley Drive Haines City, FL 33844 FL Certificate of Authorization # 367	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BECS 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 583 D-UNIFOR DR., SUITE 200, WAUWATON, WI 53195, AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6100 ENTERPRISE, CH. 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.		TC LL 20.0 PSF	REF R487 - 2636
			TC DL 10.0 PSF	DATE 10/05/05
			BC DL 10.0 PSF	DRW HCUSR487 05278213
			BC LL 0.0 PSF	HC-ENG SL/HBG3
			TOT.LD. 40.0 PSF	SEQN - 6384
			DUR.FAC. 1.25	
			SPACING 24.0"	JREF- 1SR1487_Z05

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

110 mph wind, 12.54 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.
Laterally brace bottom chord above filler at 2'0" O.C. max. including a lateral brace at chord ends.

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



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave	QTY:1	FL/-/4/-/-/R/-	Scale = .125"/Ft.
REF R487-- 2637	TC LL	20.0 PSF	
DATE 10/05/05	TC DL	10.0 PSF	
DRW HCUSR487 05278162	BC DL	10.0 PSF	
HC-ENG SL/HBG3	BC LL	0.0 PSF	
SEQN- 6350	TOT.LD.	40.0 PSF	
	DUR.FAC.	1.25	
	SPACING	24.0"	
	JREF-	1SR1487_Z05	



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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS SHALL BE RESPONSIBLE FOR THE DESIGN, FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. TRUSSES IN CONFORMANCE WITH TPI-2002(STD) SHALL BE CONSIDERED TO BE IN CONFORMANCE WITH THE DESIGN. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AFPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (4.1/5/2/3) ASTM A653 GRADE 40/60 (4. K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SHOWS THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

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

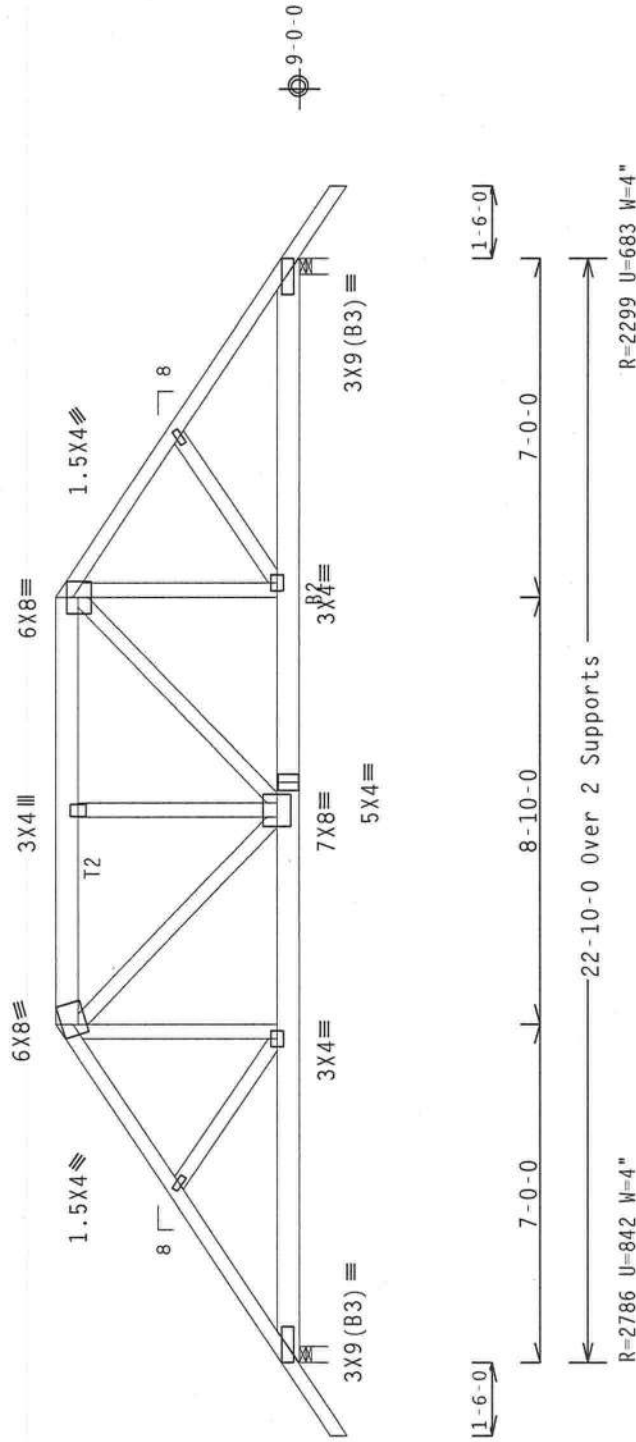
Top chord 2x4 SP #2 Dense :T2 2x6 SP #2:
Bot chord 2x6 SP #1 Dense :B2 2x6 SP #2:
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not
located within 4.50 ft from roof edge, CAT II, EXP B, wind TC
DL=5.0 psf, wind BC DL=5.0 psf.

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

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at -1.50 to 60 PLF at 24.33
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 22.83
BC - From 4 PLF at 22.83 to 4 PLF at 24.33
TC - 179 LB Conc. Load at 7.06, 9.06
TC - 1094 LB Conc. Load at 10.44
BC - 448 LB Conc. Load at 7.00
BC - 74 LB Conc. Load at 9.06
BC - 1094 LB Conc. Load at 10.44



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Qty: 1

Scale = .25" / Ft.

REF R487 - 2638

DATE 10/05/05

DRW HCUR487 05278214

HC-ENG SL/HBG3

SEQN- 6296

DUR.FAC. 1.25

SPACING 24.0"

JREF- 1SR1487_Z05



Oct 05 '05

ALPINE ENGINEERED PRODUCTS, INC.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

ALPINE
ENGINEERED
PRODUCTS, INC.

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)/FBC OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 O'DONOHIO DR., SUITE 200, MADISON, WI 53719) AND METAL FABRICATING 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.

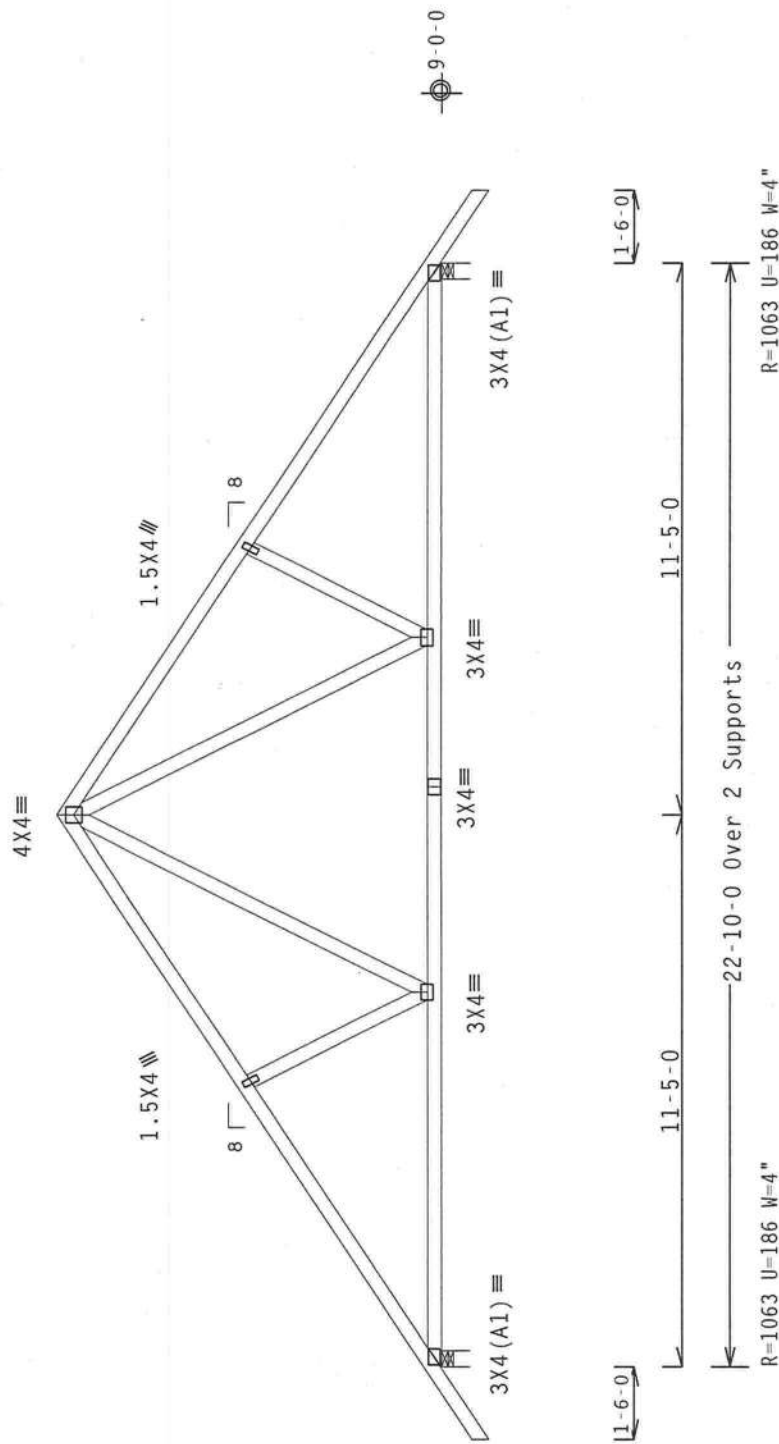
IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-2002(STD)/FBC OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 O'DONOHIO DR., SUITE 200, MADISON, WI 53719) AND METAL FABRICATING 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.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

110 mph wind, 12.68 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP: Wave

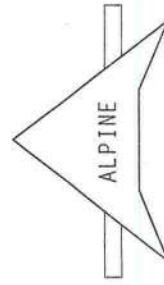
7.04.0805

QTY: 7

Scale = .25"/Ft.

[illegible]

* IMPORTANT - * * * * * UNLESS A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, THE ALPINE ENGINEERING TRUSS COMPANY, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH T11-1, OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES, DESIGN CONDITIONS WITH T11-1, PROVISIONS OF ADOPTED NATIONAL DESIGN SPEC. (FOR ARMA) AND THE ALPINE ENGINEERING TRUSS COMPANY'S DESIGN SPEC. (FOR ALPINE TRUSSES) SHALL BE THE RESPONSIBILITY OF THE INSTALLER. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ARMA A3 OF T11-1-2002 SEC.3. A SEAL ON THIS PREPARING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT AND NOT FOR THE ENTIRE BUILDING. (2) THIS COMMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ARMA/T11-1 SEC.2.



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

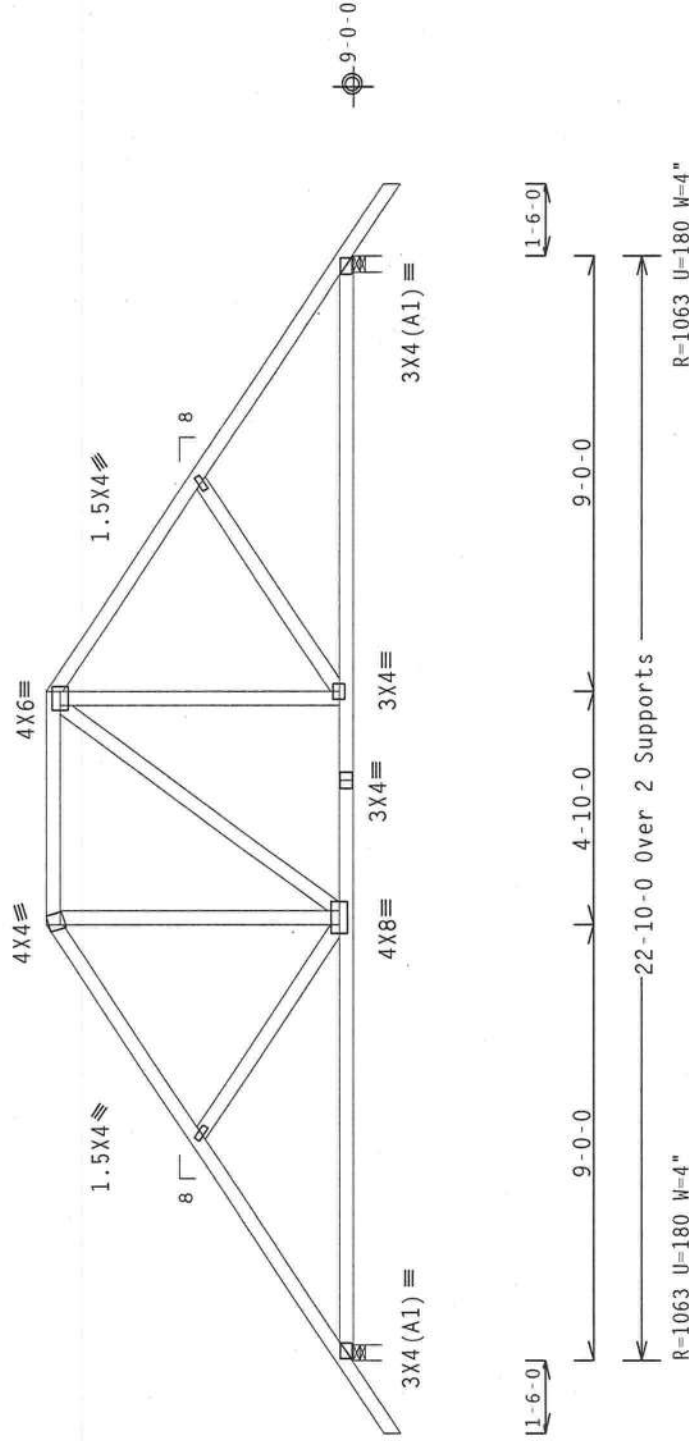
FL Certificate of Authorization # 567

TC LL	20.0	PSF	REF R487-- 2639
TC DL	10.0	PSF	DATE 10/05/05
BC DL	10.0	PSF	DRW HCUSR487 05278105
BC LL	0.0	PSF	HC-ENG SL/HBG3 *
TOT.LD.	40.0	PSF	SEQN- 6254
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1SR1487_Z05

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

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

110 mph wind, 11.87 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

QTY:1

FL/-/4/-/R/-

Scale = .25"/Ft.

ALPINE Alpine Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844 FL Certificate of Authorization # 567	**WARNING** THUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCSI 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.				TC LL	20.0 PSF	REF	R487-- 2640
			TC DL	10.0 PSF	DATE	10/05/05		
			BC DL	10.0 PSF	DRW	HCUSR487 05278106		
			BC LL	0.0 PSF	HC-ENG	SL/HBG3	*	
			TOT.LD.	40.0 PSF	SEQN-	6272		
			DUR.FAC.	1.25	SPACING 24.0"			
					JREF-	1SR1487_Z05		

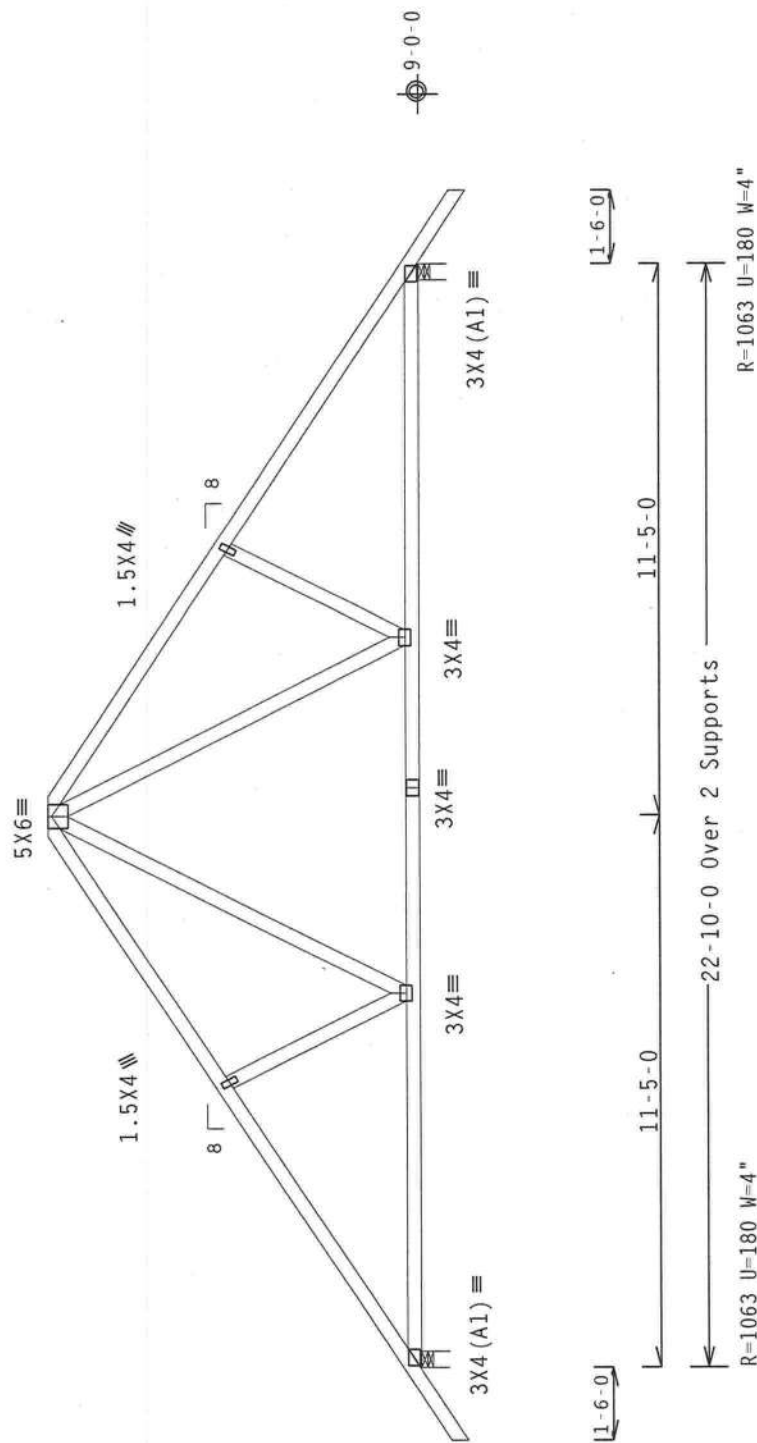
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS TO THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE DESIGNER'S DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC. (AISC) AND THE AISC CONNECTOR PLATES ARE MADE OF 2018/166A (A-108/21) ASTM A563 GRADE 40/60 (A, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

	Top chord	2x4	SP	#2	Dense
	Bot chord	2x4	SP	#2	Dense
	Web	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, 12.54 ft mean hgt., ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.



Design Crit: TPI-2002(STD)/FBC

Design CRCL: IPI-2002(SIB)/FBC
Cq/RT=1.00(1.25)/10(0) 7-2

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BECS 1-03 (BUILDING COMPONENT SAFETY) AND BECS 1-04 (TRUSS SAFETY) FOR ADDITIONAL INFORMATION. THE TRUSSES SHOWN HEREIN WERE DESIGNED BY THE TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719 FOR SAFETY FUNCTIONS 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 CHANGES TO THE TRUSS DESIGN SHALL BE THE RESPONSIBILITY OF THE TRUSS DESIGNER. THE SUBMITTAL AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE TRUSS DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE TRUSS DESIGNER. THE SUE/TP1 1 SEC. 2.

PLT TYP. Wave

7.20.0918

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

Scale = .25"/Ft.

REF R487-- 2641

DATE 10/05/05

DRW HCUSR487 05278216

HC-ENG SL/HBG3

SEON- 85778 REV

[illegible]

JREF- 1SR1487 705

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

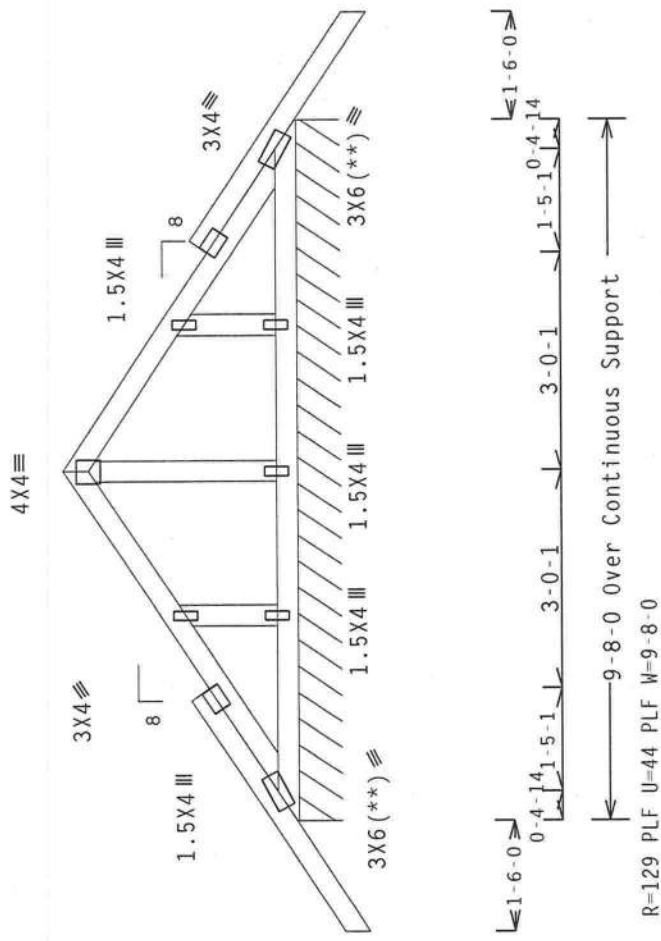
110 mph wind, 12.31 ft mean hgt, ASCE 7-98, CLOSED bldg,
Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf,
wind BC DL=5.0 psf.

See DWGS A11015EC1103 & GBLLETIN0405 for more requirements.

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

SPECIAL LOADS

TC	- From	82 PLF at -1.50 to 11.17
BC	- From	4 PLF at -1.50 to 0.00
BC	- From	20 PLF at 0.00 to 9.67
BC	- From	4 PLF at 9.67 to 11.17



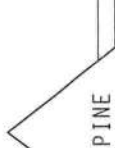
PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04.0805

QTY: 1

Scale = .375"/Ft.



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

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ORFORD DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, OR INSTALLING THE TRUSS SHALL BE THE RESPONSIBILITY OF THE USER. DESIGN CONFORMS WITH TPI-1995(STD)/FBC. PROVIDE SPEC. ALPINE AND TPI PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2, 160A-3, 160A-4, 160A-5, 160A-6, 160A-7, 160A-8, 160A-9, 160A-10, 160A-11, 160A-12, 160A-13, 160A-14, 160A-15, 160A-16, 160A-17, 160A-18, 160A-19, 160A-20, 160A-21, 160A-22, 160A-23, 160A-24, 160A-25, 160A-26, 160A-27, 160A-28, 160A-29, 160A-30, 160A-31, 160A-32, 160A-33, 160A-34, 160A-35, 160A-36, 160A-37, 160A-38, 160A-39, 160A-40, 160A-41, 160A-42, 160A-43, 160A-44, 160A-45, 160A-46, 160A-47, 160A-48, 160A-49, 160A-50, 160A-51, 160A-52, 160A-53, 160A-54, 160A-55, 160A-56, 160A-57, 160A-58, 160A-59, 160A-60, 160A-61, 160A-62, 160A-63, 160A-64, 160A-65, 160A-66, 160A-67, 160A-68, 160A-69, 160A-70, 160A-71, 160A-72, 160A-73, 160A-74, 160A-75, 160A-76, 160A-77, 160A-78, 160A-79, 160A-80, 160A-81, 160A-82, 160A-83, 160A-84, 160A-85, 160A-86, 160A-87, 160A-88, 160A-89, 160A-90, 160A-91, 160A-92, 160A-93, 160A-94, 160A-95, 160A-96, 160A-97, 160A-98, 160A-99, 160A-100. A SEAL ON THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

HARRY B. GOODSON
LICENSE
No. 26454
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Oct 05 '05

TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

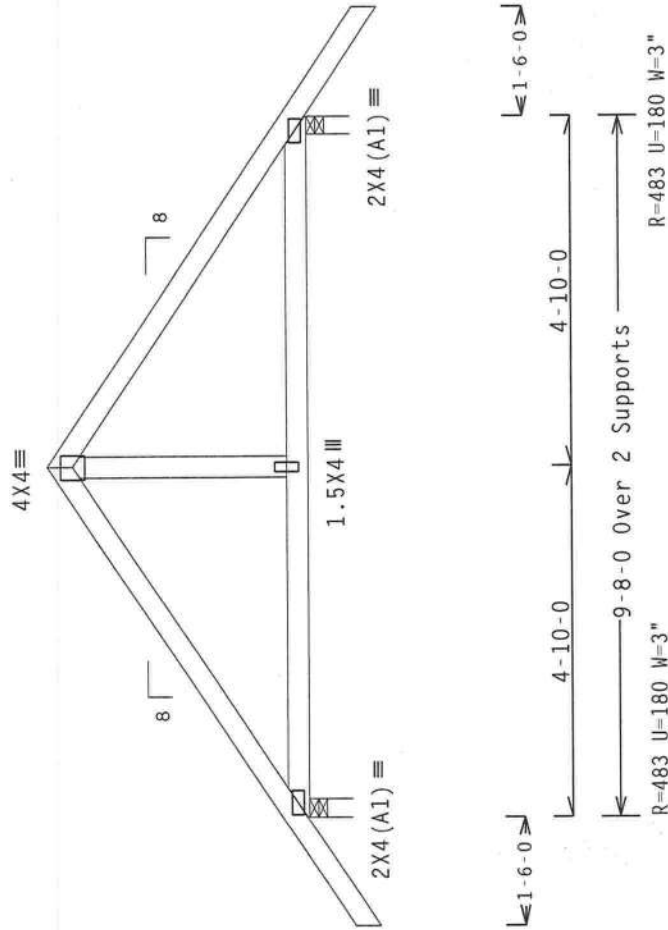
REF R487-- 2642
DATE 10/05/05
DRW HCUSR487 05278163
HC-ENG SL/HBG3
SEQN- 12915
JREF- 1SR1487_Z05

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

Dead loads are stated on projected horizontal area basis.

110 mph wind, 12.48 ft mean hgt, ASCE 7-98, CLOSED bldg.
Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf,
wind BC DL=5.0 psf.

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



Design Crit: TPI-2002 (STD) / FBC

PLT TYP. Wave	QTY: 1	FL / - / 4 / - / - / R / -	Scale = .375" / Ft.
ALPINE Alpine Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844 FL Certificate of Authorization # 567	HARRY B. GOODSON LICENSE No. 26454 STATE OF FLORIDA PROFESSIONAL ENGINEER Oct 05 '05	TC LL 20.0 PSF TC DL 10.0 PSF BC DL 10.0 PSF BC LL 0.0 PSF TOT. LD. 40.0 PSF DUR. FAC. 1.25 SPACING 24.0"	REF R487-- 2643 DATE 10/05/05 DRW HCUSR487 05278107 HC-ENG SL/HBG3 SEQN- 6240 JREF- 1SR1487_Z05

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 583 O'CONNOR DR., SUITE 200, MADISON, WI 53719) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

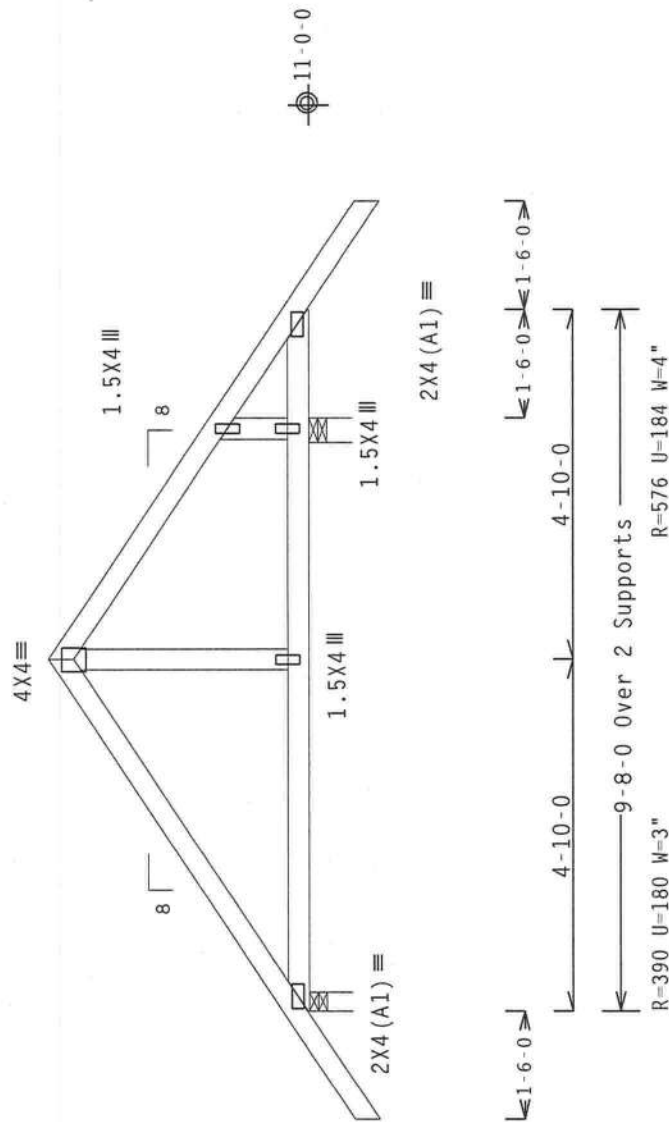
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING OF THE TRUSS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE INTERNATIONAL BUILDING CODES (IBC), ALPINE APPLIES THESE PROVISIONS TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC. 3. A SEAL ON THIS PREPARING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

110 mph wind, 12.48 ft mean ht., ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Dead loads are stated on projected horizontal area basis.

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

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. PLEASEST! TRUSSES COMPLY WITH THE SAFETY INFORMATION, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 683 D'ONOFIO DR., SUITE 200, MADISON, WI 53719, AND MECA, INDUO 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 THIS DESIGN IS THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE TRUSS IN COMPLIANCE WITH THIS DESIGN IS APPROVED FOR USE BY THE FOLLOWING ENGINEERS: DR. JAMES H. WILSON, JR., P.E., F.A.S.TE., AND P.E.; RICHARD L. KATZ, P.E., F.A.S.TE., AND P.E.; ROBERT E. MURPHY, P.E., F.A.S.TE., AND P.E.; JOHN C. COOPER, P.E., F.A.S.TE., AND P.E.; AND JOHN D. BARNETT, P.E., F.A.S.TE., AND P.E.

CONNECTOR PLATES ARE MADE OF 2018/T6 OR 4340H ASTM A493 GRADE 40/60 (IN 4/16'S) GALV. STEEL, A606-2. PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS POSITION PER DRAWINGS, APPLY.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX 45 OF 1911-2002 SEC. 3. A SEAL ON THIS WRAPING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BEING SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/P1 1 SEC. 2.

PLT TYP. Wave

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

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

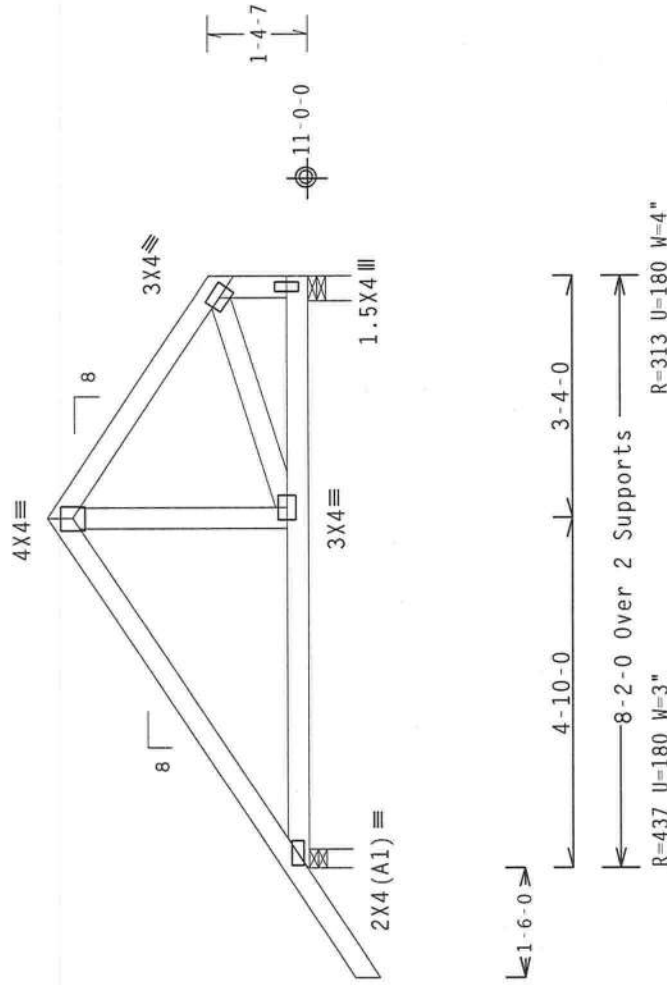
REF	R487--	2644
DATE	10/05/05	
DRW	HCUSR487	0527810
HC-ENG	SL/HBG3	
SEQN	6612	
REF-	1SR1487	Z05

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

Dead loads are stated on projected horizontal area basis.

110 mph wind, 12.48 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind Tc DL=5.0 psf, wind BC DL=5.0 psf.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave	QTY: 2	FL/-/4/-/-/R/-	Scale = .375" / Ft.	
			REF	R487 -- 2645
ALPINE Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844 FL Certificate of Authorization # 567	7.04.0805.15	TC LL	20.0 PSF	
			TC DL	10.0 PSF
ALPINE Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844 FL Certificate of Authorization # 567	7.04.0805.15	BC DL	10.0 PSF	
			BC LL	0.0 PSF
ALPINE Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844 FL Certificate of Authorization # 567	7.04.0805.15	TOT.LD.		40.0 PSF
		DUR.FAC.		1.25
ALPINE Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844 FL Certificate of Authorization # 567	7.04.0805.15	SPACING		24.0"
		JREF - 1SR1487_Z05		



****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, MI 48071) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, MI 48071) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI'S PROVISIONS AND/OR NATIONAL DESIGN SPEC. (D/AEPD) AND TPI'S ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (40-10/5/83) ASTM A503 GRADE 40/50 (40, 40/50) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

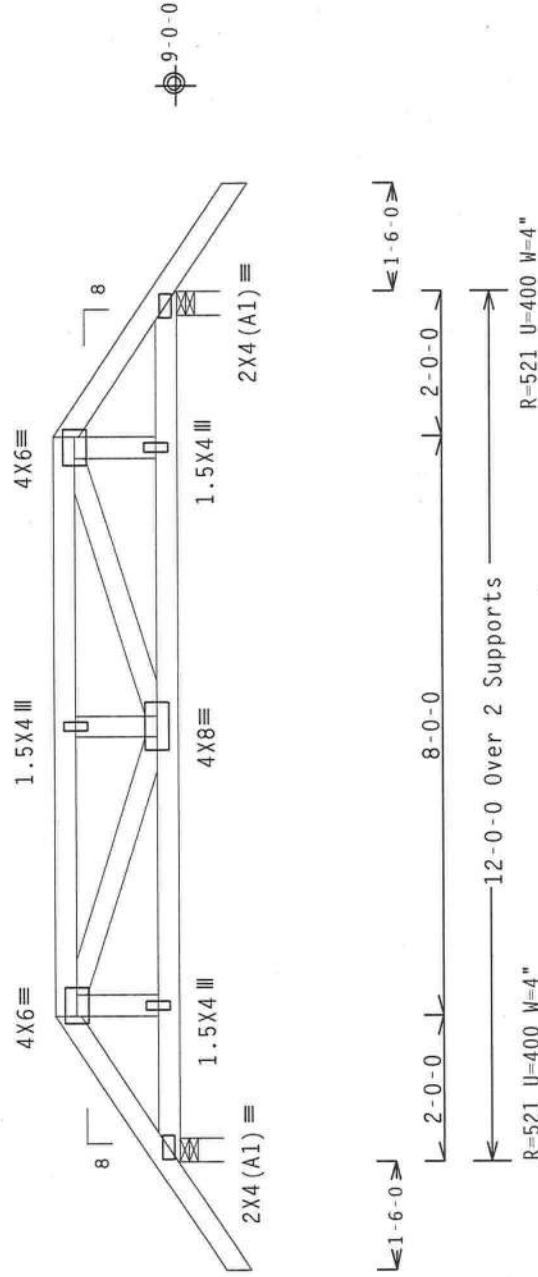
	Top	Bot	Dense
chord	2x4	2x4	2x4
chord	2x4	2x4	2x4
webs	2x4	2x4	2x4

110 mph wind, 15.00 ft mean hgt., ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC D=5.0 psf, wind BC D_L=5.0 psf

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

SPECIAL LOADS

	(LUMBER	DUR.FAC.=1.25 / PLATE	DUR.FAC.=1.25)
TC - From	60 PLF at -1.50 to	60 PLF at 13.50	
BC - From	4 PLF at -1.50 to	4 PLF at 0.00	
BC - From	20 PLF at 0.00 to	20 PLF at 12.00	
BC - From	4 PLF at 12.00 to	4 PLF at 13.50	
TC -	58 LB Conc. Load at 2.00,	10.00	
BC -	18 LB Conc. Load at 2.00,	10.00	
BC -	8 LB Conc. Load at 2.06,	4.06,	5.94,



Design Crit: TPI-2002(STD)/FBC

Design Criteria for 2002 (300) / Rev. 7.
Cq/RT=1.00(1.25)/10(0)

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-103 (BUILDING COMPONENTS) AND 1-103 (TRUSS) BY THE PLASTIC INSTITUTE, 583 MONROVIA DRIVE, SUITE 100, WILMINGTON, DE 19806. THE AMERICAN TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LN., WILMINGTON, DE 19806, IS THE SOURCE FOR SAFETY FACTORS TO BE USED IN PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED 1X6X10 GULLING.

[illegible]

PLOT TYPE: Wave

7.04.0805

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

Scale = .375"/Ft.

TC LL	20.0 PSF	REF R487 - - 2646
TC DL	10.0 PSF	DATE 10/05/05
BC DL	10.0 PSF	DRW HCUSR487 05278181
BC LL	0.0 PSF	HC-ENG SL/HBG3
TOT.LD.	40.0 PSF	SEQN- 6448
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SR1487 705

Oct 05 '05

JREF- 1SR1487 705

Top chord 2x4 SP #2 Dense

Bot chord 2x8 SP SS

Webs 2x4 SP #3

: Lt Wedge 2x6 SP #2:: Rt Wedge 2x6 SP #2::

SPECIAL LOADS

	(LUMBER DUR. FAC. = 1.25 / PLATE DUR. FAC. = 1.25)
TC - From	64 PLF at -1.50 to 64 PLF at 9.08
TC - From	64 PLF at 9.08 to 64 PLF at 13.50
BC - From	5 PLF at -1.50 to 5 PLF at -0.00
BC - From	20 PLF at -0.00 to 20 PLF at 12.00
BC - From	5 PLF at 12.00 to 5 PLF at 13.50
BC - 2068 LB Conc.	Load at 0.94, 2.94
BC - 5349 LB Conc.	Load at 4.87

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d_Common_(0.148"x3",_min.)_nails)

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

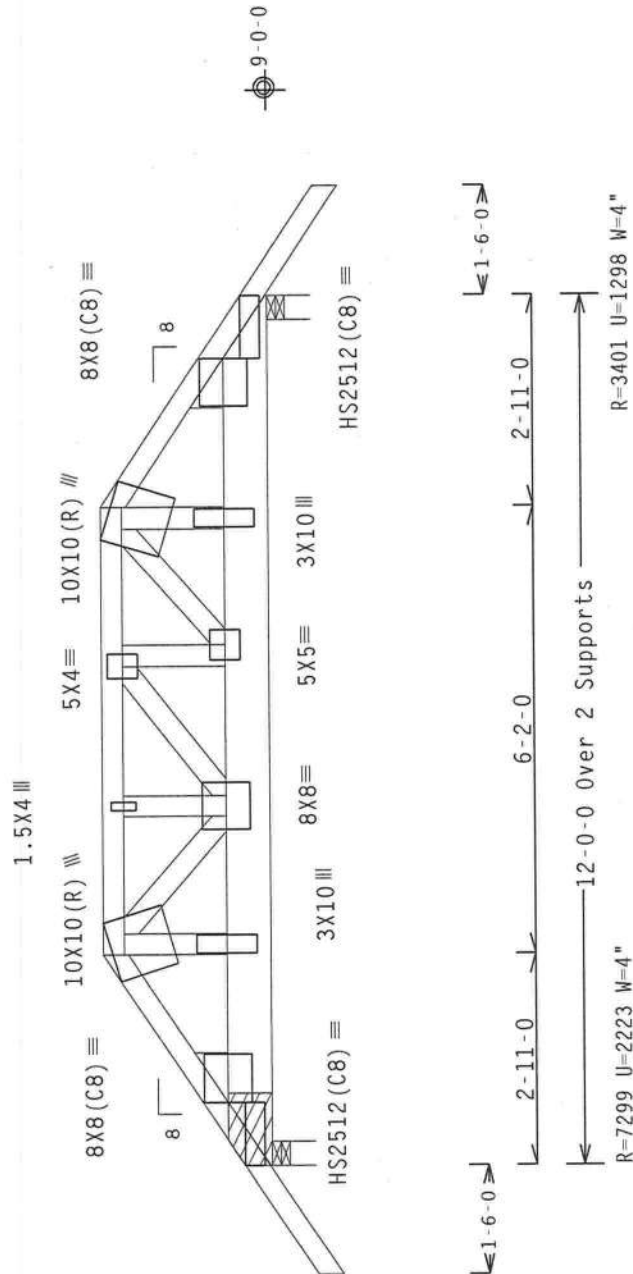
Bot Chord: 2 Rows @ 5.00" o.c. (Each Row)

Webs : 1 Row @ 4" O.C.

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

Bearing blocks: Nail type: 10d Common (0.148"x3", min.)_nails
BRG X-LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE
1 0.000' 1 12" 5 Match Truss
Bearing block to be same size and species as bottom chord.
Refer to drawing CNBRGBLK103 for additional information.

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

Scale = .375"/Ft.

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

DEE DA97-- 2647

20 0 0

K407 - 2047

10.02 77 2

DATE 10/05/05

10.0 F

1100 1101 1102 1103 1104 1105 1106 1107 1108 1109 1110 1111 1112 1113 1114 1115 1116 1117 1118 1119 1120 1121 1122 1123 1124 1125 1126 1127 1128 1129 1130 1131 1132 1133 1134 1135 1136 1137 1138 1139 1140 1141 1142 1143 1144 1145 1146 1147 1148 1149 1150 1151 1152 1153 1154 1155 1156 1157 1158 1159 1160 1161 1162 1163 1164 1165 1166 1167 1168 1169 1170 1171 1172 1173 1174 1175 1176 1177 1178 1179 1180 1181 1182 1183 1184 1185 1186 1187 1188 1189 1190 1191 1192 1193 1194 1195 1196 1197 1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213 1214 1215 1216 1217 1218 1219 1220 1221 1222 1223 1224 1225 1226 1227 1228 1229 1230 1231 1232 1233 1234 1235 1236 1237 1238 1239 1240 1241 1242 1243 1244 1245 1246 1247 1248 1249 1250 1251 1252 1253 1254 1255 1256 1257 1258 1259 1260 1261 1262 1263 1264 1265 1266 1267 1268 1269 1270 1271 1272 1273 1274 1275 1276 1277 1278 1279 1280 1281 1282 1283 1284 1285 1286 1287 1288 1289 1290 1291 1292 1293 1294 1295 1296 1297 1298 1299 1300 1301 1302 1303 1304 1305 1306 1307 1308 1309 1310 1311 1312 1313 1314 1315 1316 1317 1318 1319 1320 1321 1322 1323 1324 1325 1326 1327 1328 1329 1330 1331 1332 1333 1334 1335 1336 1337 1338 1339 1340 1341 1342 1343 1344 1345 1346 1347 1348 1349 1350 1351 1352 1353 1354 1355 1356 1357 1358 1359 1360 1361 1362 1363 1364 1365 1366 1367 1368 1369 1370 1371 1372 1373 1374 1375 1376 1377 1378 1379 1380 1381 1382 1383 1384 1385 1386 1387 1388 1389 1390 1391 1392 1393 1394 1395 1396 1397 1398 1399 1400 1401 1402 1403 1404 1405 1406 1407 1408 1409 1410 1411 1412 1413 1414 1415 1416 1417 1418 1419 1420 1421 1422 1423 1424 1425 1426 1427 1428 1429 1430 1431 1432 1433 1434 1435 1436 1437 1438 1439 1440 1441 1442 1443 1444 1445 1446 1447 1448 1449 1450 1451 1452 1453 1454 1455 1456 1457 1458 1459 1460 1461 1462 1463 1464 1465 1466 1467 1468 1469 1470 1471 1472 1473 1474 1475 1476 1477 1478 1479 1480 1481 1482 1483 1484 1485 1486 1487 1488 1489 1490 1491 1492 1493 1494 1495 1496 1497 1498 1499 1500 1501 1502 1503 1504 1505 1506 1507 1508 1509 1510 1511 1512 1513 1514 1515 1516 1517 1518 1519 1520 1521 1522 1523 1524 1525 1526 1527 1528 1529 1530 1531 1532 1533 1534 1535 1536 1537 1538 1539 1540 1541 1542 1543 1544 1545 1546 1547 1548 1549 1550 1551 1552 1553 1554 1555 1556 1557 1558 1559 1560 1561 1562 1563 1564 1565 1566 1567 1568 1569 1570 1571 1572 1573 1574 1575 1576 1577 1578 1579 1580 1581 1582 1583 1584 1585 1586 1587 1588 1589 1590 1591 1592 1593 1594 1595 1596 1597 1598 1599 1600 1601 1602 1603 1604 1605 1606 1607 1608 1609 1610 1611 1612 1613 1614 1615 1616 1617 1618 1619 1620 1621 1622 1623 1624 1625 1626 1627 1628 1629 1630 1631 1632 1633 1634 1635 1636 1637 1638 1639 1640 1641 1642 1643 1644 1645 1646 1647 1648 1649 1650 1651 1652 1653 1654 1655 1656 1657 1658 1659 1660 1661 1662 1663 1664 1665 1666 1667 1668 1669 1670 1671 1672 1673 1674 1675 1676 1677 1678 1679 1680 1681 1682 1683 1684 1685 1686 1687 1688 1689 1690 1691 1692 1693 1694 1695 1696 1697 1698 1699 1700 1701 1702 1703 1704 1705 1706 1707 1708 1709 1710 1711 1712 1713 1714 1715 1716 1717 1718 1719 1720 1721 1722 1723 1724 1725 1726 1727 1728 1729 1730 1731 1732 1733 1734 1735 1736 1737 1738 1739 1740 1741 1742 1743 1744 1745 1746 1747 1748 1749 1750 1751 1752 1753 1754 1755 1756 1757 1758 1759 1760 1761 1762 1763 1764 1765 1766 1767 1768 1769 1770 1771 1772 1773 1774 1775 1776 1777 1778 1779 1780 1781 1782 1783 1784 1785 1786 1787 1788 1789 1790 1791 1792 1793 1794 1795 1796 1797 1798 1799 1800 1801 1802 1803 1804 1805 1806 1807 1808 1809 1810 1811 1812 1813 1814 1815 1816 1817 1818 1819 1820 1821 1822 1823 1824 1825 1826 1827 1828 1829 1830 1831 1832 1833 1834 1835 1836 1837 1838 1839 1840 1841 1842 1843 1844 1845 1846 1847 1848 1849 1850 1851 1852 1853 1854 1855 1856 1857 1858 1859 1860 1861 1862 1863 1864 1865 1866 1867 1868 1869 1870 1871 1872 1873 1874 1875 1876 1877 1878 1879 1880 1881 1882 1883 1884 1885 1886 1887 1888 1889 1890 1891 1892 1893 1894 1895 1896 1897 1898 1899 1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918

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JKW HCU5K48/ 052/818

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HC-ENG SL/HBG3

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DEQN- 6563

01.LD. 40.0 H

OUR FAC 1.25

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	1

0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0
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JREF- 1SR1487_Z05

SPACING 24.0"

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

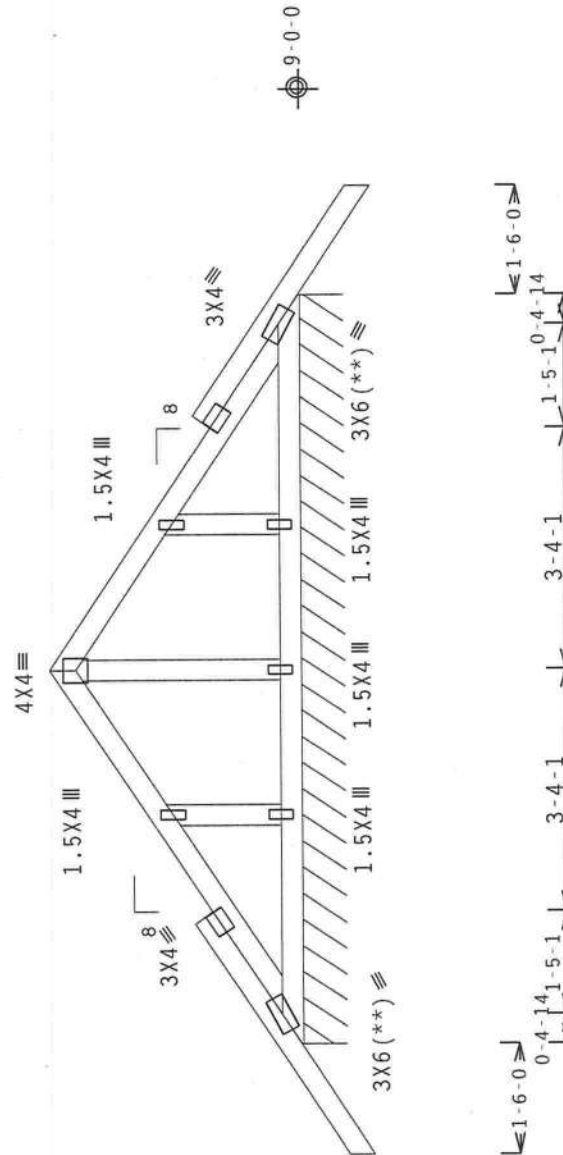
110 mph wind, 10.42 ft mean hgt, ASCE 7-98, CLOSED bldg,
Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf,
wind BC DL=5.0 psf.

See DWGS A11015EC1103 & GBLLETIN0405 for more requirements.

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

SPECIAL LOADS

SPECIAL LOADS		(LUMBER DUR. FAC. = 1.25 / PLATE DUR. FAC. = 1.25)	
TC	From	82 PLF at -1.50 to	82 PLF at 11.83
BC	From	4 PLF at -1.50 to	4 PLF at 0.00
BC	From	20 PLF at 0.00 to	20 PLF at 10.33
BC	From	4 PLF at 10.33 to	4 PLF at 11.83



←10-4-0 Over Continuous Support

R=127 PLF U=43 PLF W=10-4-0

PIT TYP.: Wave TPI

Design Crit: TPI-1995 (STD) / FBC

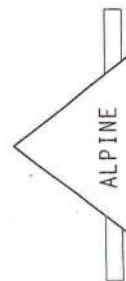
7 04 0805

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

Scale = .375"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCES 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 W. D'AMICO RD., 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 ** UNLESS A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MDS NATIONAL DESIGN SPEC., (BY AREA) AND THE STEEL ERECTORS ASSOCIATION'S (AREA) CODE OF PRACTICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR APPLYING PLATES TO EACH FACE OF TRUSSES AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPI1-2002 SEC.3. A SEAL ON THE OPERATING INDICATOR. ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE CROSS JOINT DESIGN AND THE SEALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THIS DOCUMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE CONTRACTOR. SEE TPI1-1 SEC.2.



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

Haines City, FL 33844
FL Certificate of Authorization # 567



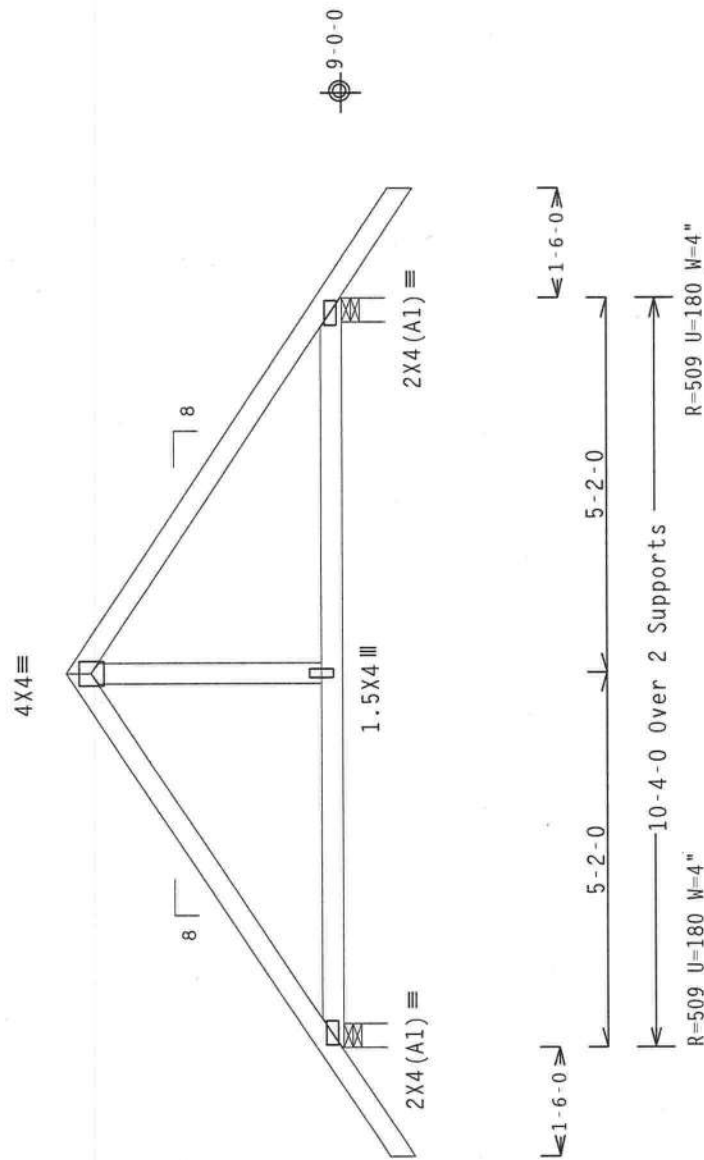
Oct 05 '05

TC LL	20.0 PSF	REF R487 -- 2648
TC DL	10.0 PSF	DATE 10/05/05
BC DL	10.0 PSF	DRW HCUSR487 05278190
BC LL	0.0 PSF	HC-ENG SL/HBG3
TOT.LD.	40.0 PSF	SEQN- 12904
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SR1487_Z05

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

110 mph wind, 10.59 ft mean hgt., ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04.0805

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

Scale = .375"/Ft.

REF R487-- 2649

DATE 10/05/05

DRW HCUSR487 05278113

HC-ENG SL/HRG3

SEON- 12908

JREF- 1SR1487 705



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

FL Certificate of Authorization # 567

*****WARNING**** TROUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TP1 (TRUSS PACT) 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.
TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & RIGGING OF TRUSSES.
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC STEEL ECTION 906/907/908/909/910/911/912/913/914/915/916/917/918/919/920/921/922/923/924/925/926/927/928/929/930/931/932/933/934/935/936/937/938/939/940/941/942/943/944/945/946/947/948/949/950/951/952/953/954/955/956/957/958/959/960/961/962/963/964/965/966/967/968/969/970/971/972/973/974/975/976/977/978/979/980/981/982/983/984/985/986/987/988/989/990/991/992/993/994/995/996/997/998/999/1000/1001/1002/1003/1004/1005/1006/1007/1008/1009/1010/1011/1012/1013/1014/1015/1016/1017/1018/1019/1020/1021/1022/1023/1024/1025/1026/1027/1028/1029/1030/1031/1032/1033/1034/1035/1036/1037/1038/1039/1040/1041/1042/1043/1044/1045/1046/1047/1048/1049/1050/1051/1052/1053/1054/1055/1056/1057/1058/1059/1060/1061/1062/1063/1064/1065/1066/1067/1068/1069/1070/1071/1072/1073/1074/1075/1076/1077/1078/1079/1080/1081/1082/1083/1084/1085/1086/1087/1088/1089/1090/1091/1092/1093/1094/1095/1096/1097/1098/1099/1100/1101/1102/1103/1104/1105/1106/1107/1108/1109/1110/1111/1112/1113/1114/1115/1116/1117/1118/1119/1120/1121/1122/1123/1124/1125/1126/1127/1128/1129/1130/1131/1132/1133/1134/1135/1136/1137/1138/1139/1140/1141/1142/1143/1144/1145/1146/1147/1148/1149/1150/1151/1152/1153/1154/1155/1156/1157/1158/1159/1160/1161/1162/1163/1164/1165/1166/1167/1168/1169/1170/1171/1172/1173/1174/1175/1176/1177/1178/1179/1180/1181/1182/1183/1184/1185/1186/1187/1188/1189/1190/1191/1192/1193/1194/1195/1196/1197/1198/1199/1200/1201/1202/1203/1204/1205/1206/1207/1208/1209/1210/1211/1212/1213/1214/1215/1216/1217/1218/1219/1220/1221/1222/1223/1224/1225/1226/1227/1228/1229/1230/1231/1232/1233/1234/1235/1236/1237/1238/1239/1240/1241/1242/1243/1244/1245/1246/1247/1248/1249/1250/1251/1252/1253/1254/1255/1256/1257/1258/1259/1260/1261/1262/1263/1264/1265/1266/1267/1268/1269/1270/1271/1272/1273/1274/1275/1276/1277/1278/1279/1280/1281/1282/1283/1284/1285/1286/1287/1288/1289/1290/1291/1292/1293/1294/1295/1296/1297/1298/1299/1300/1301/1302/1303/1304/1305/1306/1307/1308/1309/1310/1311/1312/1313/1314/1315/1316/1317/1318/1319/1320/1321/1322/1323/1324/1325/1326/1327/1328/1329/1330/1331/1332/1333/1334/1335/1336/1337/1338/1339/1340/1341/1342/1343/1344/1345/1346/1347/1348/1349/1350/1351/1352/1353/1354/1355/1356/1357/1358/1359/1360/1361/1362/1363/1364/1365/1366/1367/1368/1369/1370/1371/1372/1373/1374/1375/1376/1377/1378/1379/1380/1381/1382/1383/1384/1385/1386/1387/1388/1389/1390/1391/1392/1393/1394/1395/1396/1397/1398/1399/1400/1401/1402/1403/1404/1405/1406/1407/1408/1409/1410/1411/1412/1413/1414/1415/1416/1417/1418/1419/1420/1421/1422/1423/1424/1425/1426/1427/1428/1429/1430/1431/1432/1433/1434/1435/1436/1437/1438/1439/1440/1441/1442/1443/1444/1445/1446/1447/1448/1449/1450/1451/1452/1453/1454/1455/1456/1457/1458/1459/1460/1461/1462/1463/1464/1465/1466/1467/1468/1469/1470/1471/1472/1473/1474/1475/1476/1477/1478/1479/1480/1481/1482/1483/1484/1485/1486/1487/1488/1489/1490/1491/1492/1493/1494/1495/1496/1497/1498/1499/1500/1501/1502/1503/1504/1505/1506/1507/1508/1509/1510/1511/1512/1513/1514/1515/1516/1517/1518/1519/1520/1521/1522/1523/1524/1525/1526/1527/1528/1529/1530/1531/1532/1533/1534/1535/1536/1537/1538/1539/1540/1541/1542/1543/1544/1545/1546/1547/1548/1549/1550/1551/1552/1553/1554/1555/1556/1557/1558/1559/1560/1561/1562/1563/1564/1565/1566/1567/1568/1569/1570/1571/1572/1573/1574/1575/1576/1577/1578/1579/1580/1581/1582/1583/1584/1585/1586/1587/1588/1589/1590/1591/1592/1593/1594/1595/1596/1597/1598/1599/1600/1601/1602/1603/1604/1605/1606/1607/1608/1609/1610/1611/1612/1613/1614/1615/1616/1617/1618/1619/1620/1621/1622/1623/1624/1625/1626/1627/1628/1629/1630/1631/1632/1633/1634/1635/1636/1637/1638/1639/1640/1641/1642/1643/1644/1645/1646/1647/1648/1649/1650/1651/1652/1653/1654/1655/1656/1657/1658/1659/1660/1661/1662/1663/1664/1665/1666/1667/1668/1669/1670/1671/1672/1673/1674/1675/1676/1677/1678/1679/1680/1681/1682/1683/1684/1685/1686/1687/1688/1689/1690/1691/1692/1693/1694/1695/1696/1697/1698/1699/1700/1701/1702/1703/1704/1705/1706/1707/1708/1709/1710/1711/1712/1713/1714/1715/1716/1717/1718/1719/1720/1721/1722/1723/1724/1725/1726/1727/1



Oct 05 '05

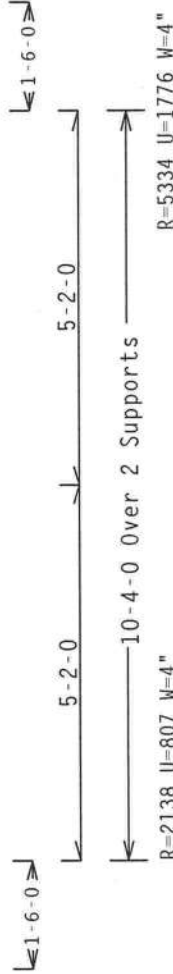
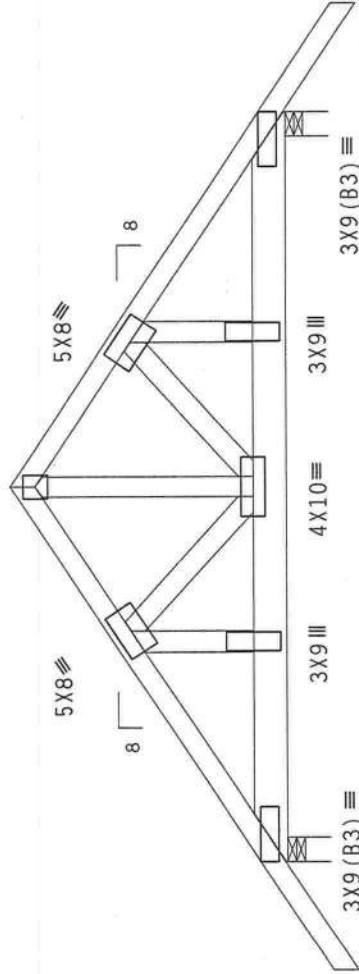
Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at -1.50 to 64 PLF at 11.83
BC - From 5 PLF at -1.50 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 10.33
BC - From 5 PLF at 10.33 to 5 PLF at 11.83
BC - 4581 LB Conc. Load at 7.13
BC - 1816 LB Conc. Load at 9.06

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

4X4 (R) III



Design Crit: TPI-2002 (STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.04.0805

QTY:1 FL/-/4/-/-/R/- Scale = .375" / Ft.

ALPINE

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

PLT TYP. Wave

Design Crit: TPI-2002 (STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.04.0805

QTY:1 FL/-/4/-/-/R/- Scale = .375" / Ft.

TC LL	20.0 PSF	REF	R487-- 2650
TC DL	10.0 PSF	DATE	10/05/05
BC DL	10.0 PSF	DRW	HCUSR487 05278191
BC LL	0.0 PSF	HC-ENG	SL/HBG3
TOT.LD.	40.0 PSF	SEQN	6801
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1SR1487_Z05

2 COMPLETE TRUSSES REQUIRED

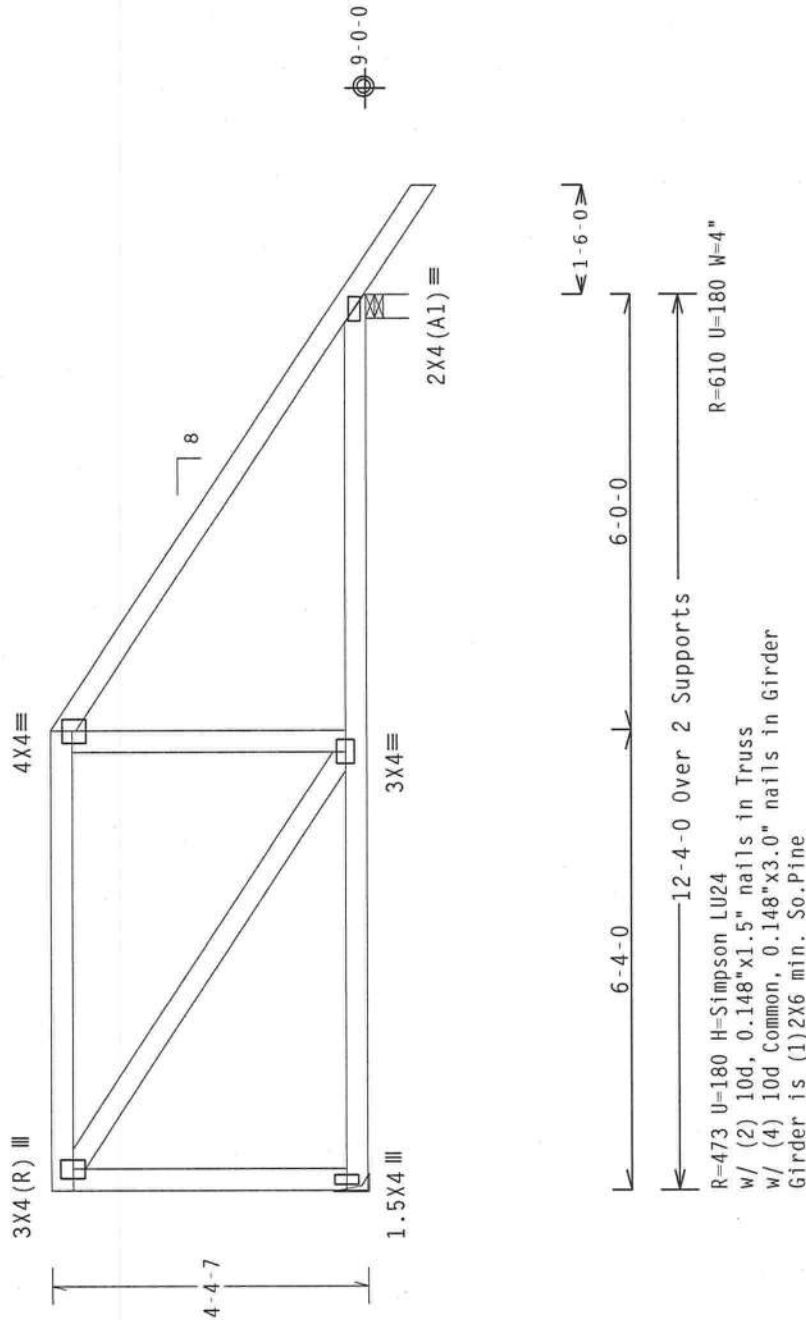
Nailing Schedule: (10d Common_ (0.148"x3",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 6.00" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind Tc DL=5.0 psf, wind BC DL=5.0 psf.

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

Left end vertical not exposed to wind pressure.
Deflection meets L/360 live and L/240 total load.

110 mph wind, 10.87 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



PLT TYP. Wave TPI

Design Crit: TPI-1995 (STD)/FBC

7.04.0805

QTY:1

Scale = .375" / Ft.

TC LL	20.0 PSF	REF	R487 -- 2651
TC DL	10.0 PSF	DATE	10/05/05
BC DL	10.0 PSF	DRW	HCUSR487 05278192
BC LL	0.0 PSF	HC-ENG	SL/HBG3
TOT.LD.	40.0 PSF	SEQN	12940
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1SR1487_Z05



Oct 05 '05

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THIS DESIGN, OR ANY FAILURE TO FOLLOW THE INSTRUCTIONS OF THE INSTALLATION CONTRACTOR, SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
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Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

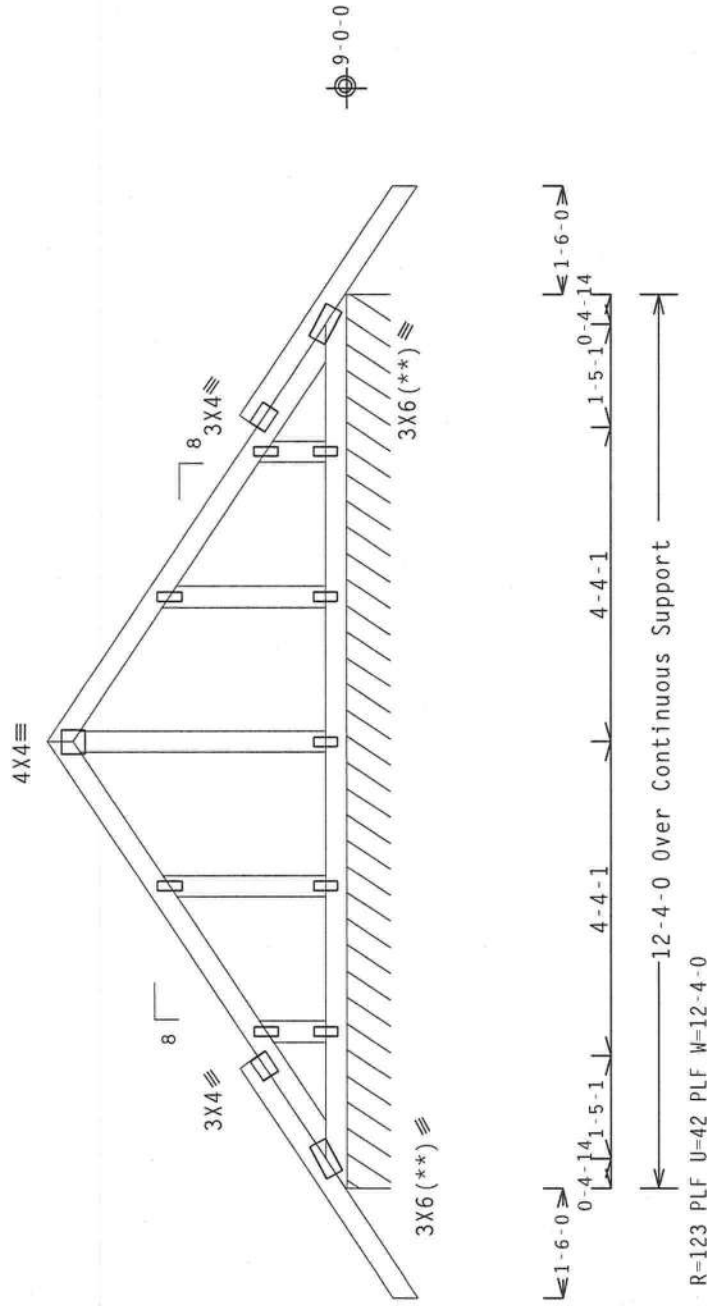
SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 82 PLF at -1.50 to 82 PLF at 13.83
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 12.33
BC - From 4 PLF at 12.33 to 4 PLF at 13.83

110 mph wind, 10.75 ft mean hgt, ASCE 7-98, CLOSED bldg.
Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf,
wind BC DL=5.0 psf.

See DWGS A11015EC1103 & GBLLETIN0405 for more requirements.

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



Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave TPI

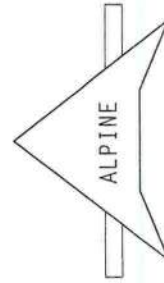
Design Crit: TPI-1995(STD)/FBC

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

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, 583 DUNDORF 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 TO THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE DESIGNING OF TRUSSING DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF ANY NATIONAL DESIGN SPEC. BY ASEA AND TPI. ALL CONNECTOR PLATES ARE MADE OF 20/18/166A (A-H/S/2X) ASTM A663 GRADE 40/60 (A, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS 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
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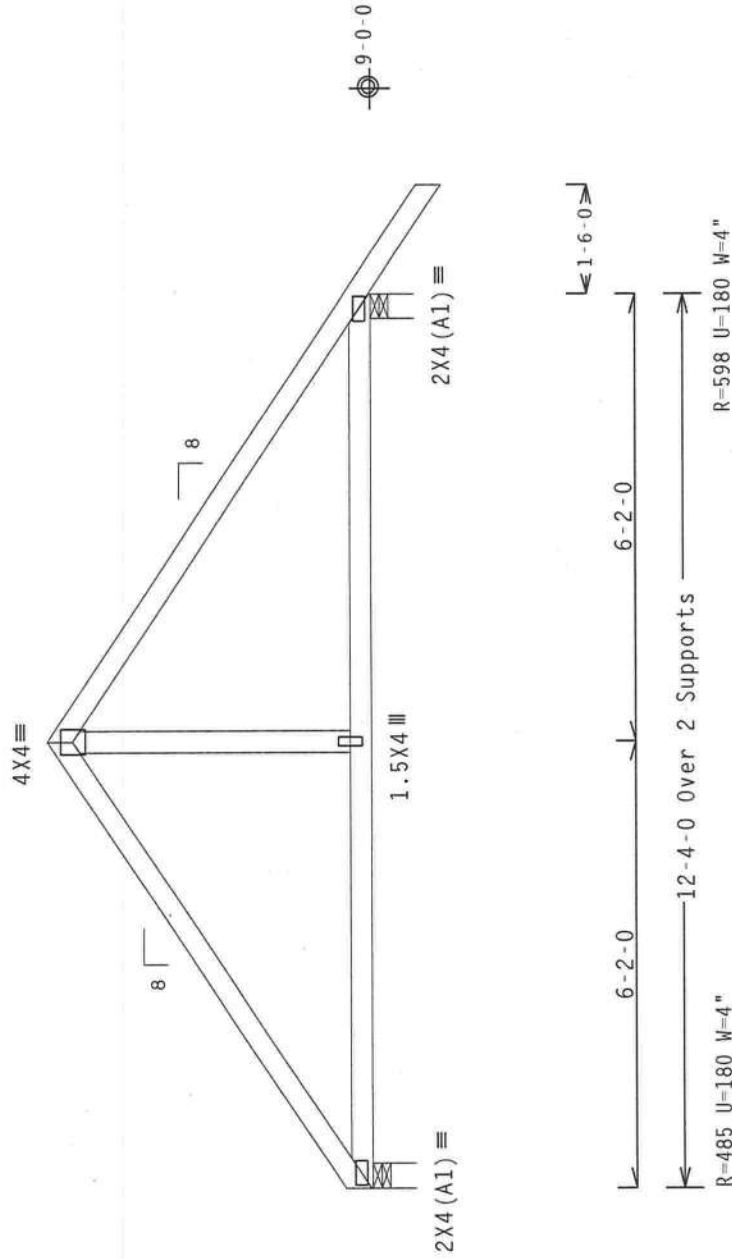
Oct 05 '05

TC LL	20.0 PSF	REF	R487--	2652
TC DL	10.0 PSF	DATE	10/05/05	
BC DL	10.0 PSF	DRW	HCUR487	05278193
BC LL	0.0 PSF	HC-ENG	SL/HBG3	
TOT.LD.	40.0 PSF	SEQN-	12925	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SR1487	Z05

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

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

110 mph wind, 10.93 ft mean hgt; ASCE 7-98, CLOSED bldg,
Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf,
wind BC DL=5.0 psf.



PLT TYP. Wave TPI

Design Crit: TPI-1995 (STD)/FBC

7.04.0805

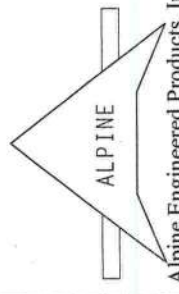
QTY: 1

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

Scale = .375" / Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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 TPI: PROVISIONS FOR LIGHTER DUTY TRUSSES. ALL TRUSSES SHALL BE GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
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Oct 05 '05

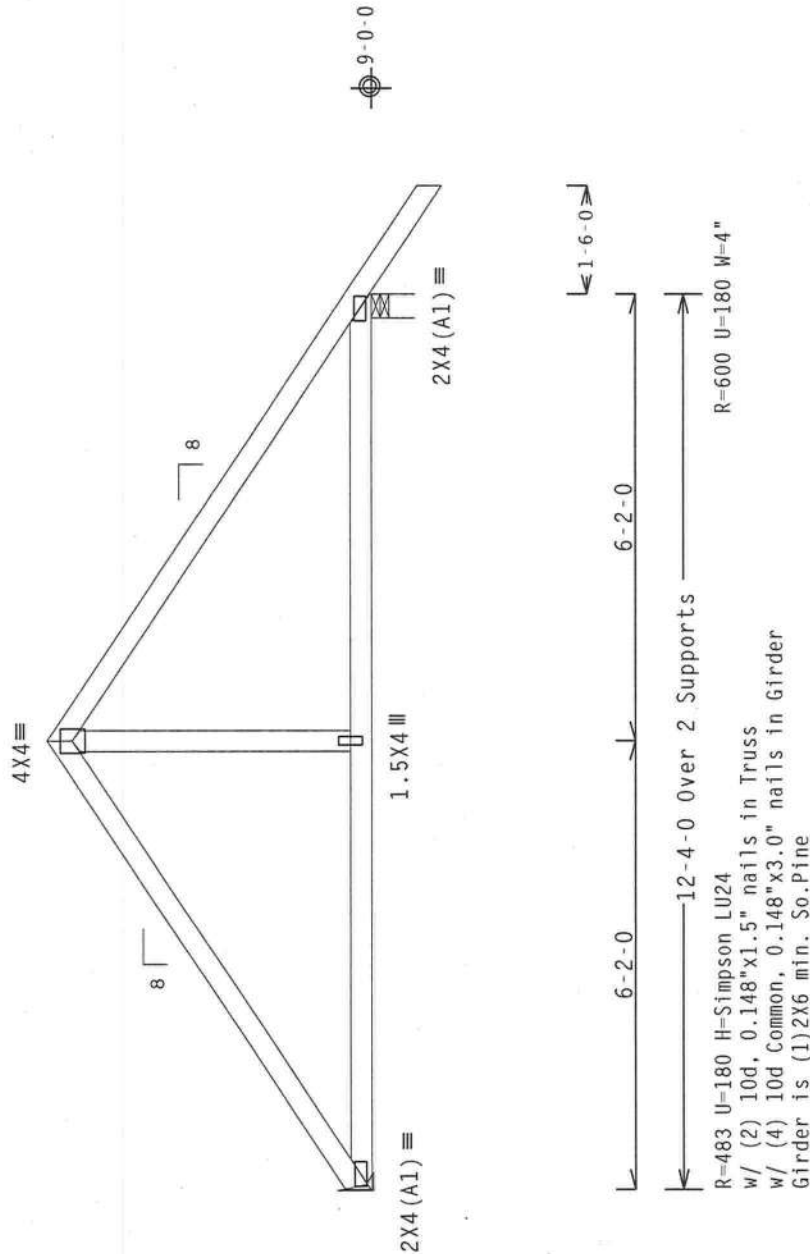
TC LL	20.0 PSF	REF	R487 -- 2653
TC DL	10.0 PSF	DATE	10/05/05
BC DL	10.0 PSF	DRW	HCUSR487 05278114
BC LL	0.0 PSF	HC-ENG	SL/HBG3 *
TOT.LD.	40.0 PSF	SEQN	12929
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1SR1487_Z05

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

110 mph wind, 10.93 ft mean ht, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

Design Crit: TPI-1995(STD)/FBC

****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. PLEASE FIRST (READ) CAREFULLY THE INSTRUCTIONS PUBLISHED BY TPI THUSSE PLATE INSTITUTE, 563 PLUMMER RD., SUITE 200, MADISON, WI 53719, AND WICA WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE IN. MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS SHALL BE RESPONSIBLE FOR ANY DEVIATIONS FROM THE MANUFACTURING AND FINISHING SPECIFICATIONS OF BUILDING CODES. THE DESIGN CONFORMS WITH ALL APPLICABLE PROVISIONS OF NDS NATIONAL DESIGN SPEC. BY AF&PA) AND TPI ALPINE CONNECTOR PLATES ARE MADE OF 20X18X1/8GA. H-H/2X5/8" ASTM A563 GRADE 40/60 W. K/H.SI GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEX AS OF TP11-2002 SEC.3. REPAIRING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSII/TPI 1 SEC. 2.



Oct 05 '05

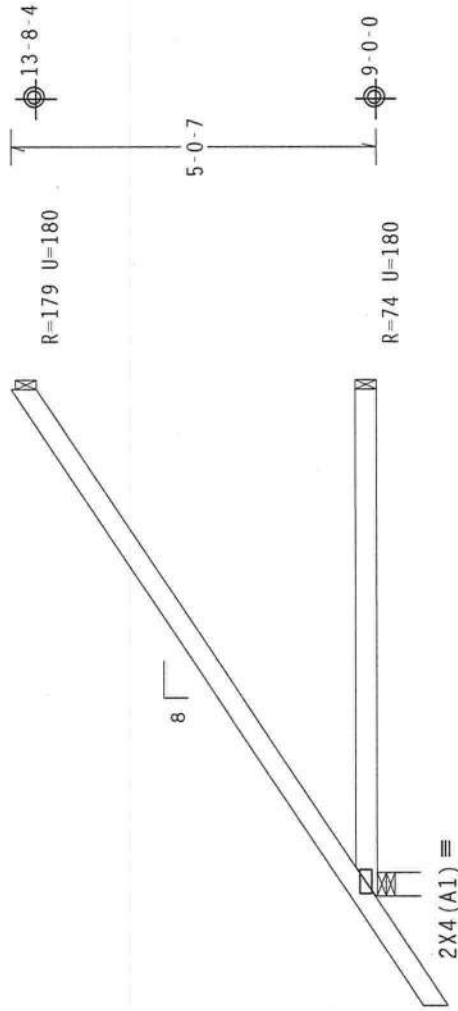
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TC DL	10.0 PSF	DATE 10/05/05
BC DL	10.0 PSF	DRW HCUR487 05278194
BC LL	0.0 PSF	HC-ENG SL/HBG3
TOT.LD.	40.0 PSF	SEQN- 12934
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SR1487 Z05

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

110 mph wind, 11.20 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

הקו והפרטים והאבנים של כל בית

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



1-6-07

7-0-0 Over 3 Supports

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

QTY:35 FL/-/4/-/-/R/-

Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R487 --	2655
TC DL	10.0 PSF	DATE	10/05/05	
BC DL	10.0 PSF	DRW	HCUSR487	0527819
BC LL	0.0 PSF	HC-ENG	SL/HBG3	
TOT.LD.	40.0 PSF	SEQN-	12856	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SR1487_Z05	

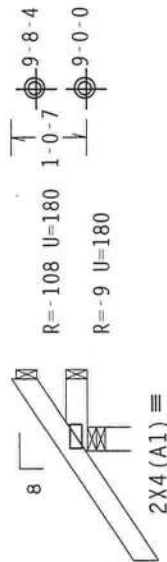


	Top	chord	2x4	SP	#2	Dense
	Bot	chord	2x4	SP	#2	Dense

110 mph wind, 9.20 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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



LEI-6-07

1-0-0 Over 3 Supports

R=294 H=180 W=4"

PLT_TYP.: Wave TPI

Design Crit: TPI-1995(STD)/FBC

7 04 0805

QTY:10 FI / - / 4 / - / - / R / -

Scale = .375"/Ft.



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

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TP1 (TRUSS PLATE INSTITUTE), 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTC (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**** IMPORTANT *****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.
DESIGNER, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH ALL APPLICABLE PROVISIONS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) 1989 SPECIFICATIONS FOR STRUCTURAL STEEL CONNECTIONS AND AISC 1989 SPECIFICATIONS FOR COMPOSITE ACTION OF STEEL I-BEAMS ON CONCRETE SLABS. GALV. STEEL PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16DA-2. ANY INSTALLATION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TP1-2002 SEC.3. A SEAL ON THE DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY TO SUELL FOR THE DESIGN CURRENTLY SHOWN. THE CONTRACTOR FOR THIS PROJECT HAS ASSUMED FULL RESPONSIBILITY FOR THE DESIGN OF THE BUILDING DESIGNER PER ANNEX D/P1 1 SEC.2.



Oct 05 '05

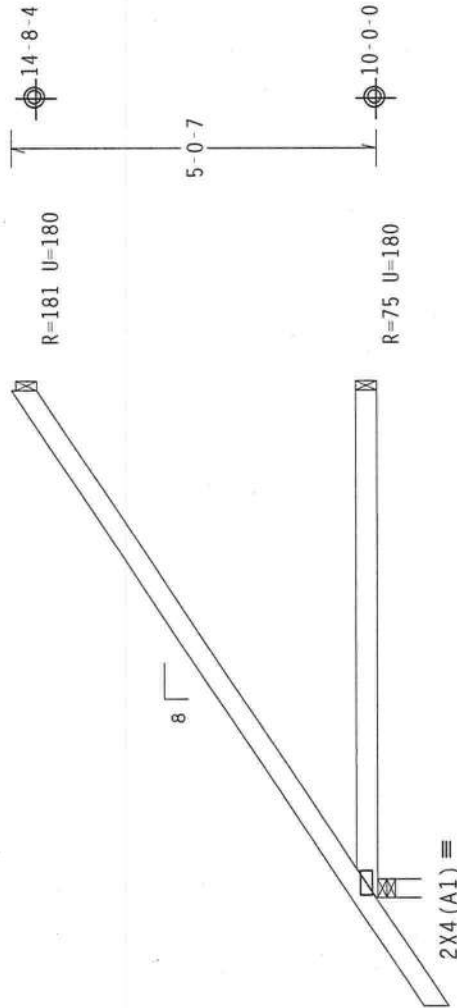
TC LL	20.0	PSF
TC DL	10.0	PSF
BC DL	10.0	PSF
BC LL	0.0	PSF
TOT. LD.	40.0	PSF
DUR. FAC.	1.25	
SPACING	24.0"	

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

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

110 mph wind, 12.20 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



L=1-6-0

0-4-14
6-7-2
7-0-0 Over 3 Supports
R=401 U=180 W=3"

PLT TYP. Wave TPI

Design Crit: TPI-1995(SID)/FBC

7.04.0805

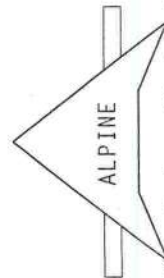
QTY:2

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

Scale = .375"/Ft.

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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 HIS (NATIONAL DESIGN SPEC. BY AIA/P) AND TPI (ALPINE ENGINEERED PRODUCTS, INC. 1950 MARLEY DRIVE, HAINES CITY, FL 33844) SPECIFICATIONS. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANST/TPI 1 SEC. 2.



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



Oct 05 '05

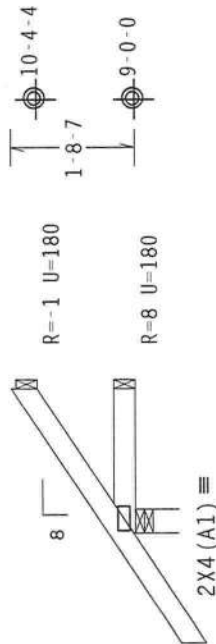
TC LL	20.0 PSF	REF	R487--	2657
TC DL	10.0 PSF	DATE	10/05/05	
BC DL	10.0 PSF	DRW	HCUSR487	05278197
BC LL	0.0 PSF	HC-ENG	SL/HBG3	
TOT.LD.	40.0 PSF	SEQN-	12878	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SR1487_Z05	

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

110 mph wind, 9.54 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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



1-6-07

2-0-0 Over 3 Supports

R=248 U=180 W=4"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04.0805.15

QTY:5 FL/-/4/-/-/R/-

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

REF R487-- 2658

DATE 10/05/05

DATE 10/06/02

JRW HCU5K48/ 052/8111

HC-ENG SL/HBG3

12882 SEQN-

JREF- 1SR1487 Z05

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND DRACING. PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 5833 RINGROD DR., SUITE 200, MADISON, WI 53719, AND MICA WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719. FOR SAFETY PRACTICES PRIOR TO TRUSSING THESE PANELS, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CHAIR.

**** IMPORTANT ****-FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS
PRODUCES AND ASSUMES RESPONSIBILITY FOR THE INFORMATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE
DESIGN IN CONFORMANCE WITH TPI-1 REQUIREMENTS FOR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES,
TRUSS COMPONENTS OR CONNECTORS SHALL BE THE RESPONSIBILITY OF THE USER. THE FOLLOWING ARE THE DESIGN SPECIFICATIONS:
DESIGN CONFORMANCE WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AFPA) AND TPI-1. ALPINE
CONNECTOR PLATES ARE MADE OF 20/18/16 GA. W/H/S/THS ASTM A563 GRADE 40 /60 (W, H/W-S) GALV. STEEL. APPLY
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DIMENSIONS 160A-2.
IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPI-1-2002 SEC. 3.
ANNEXMENT 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 ANNUITY/TPI 1 SEC. 2.



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

FL Certificate of Authorization # 567

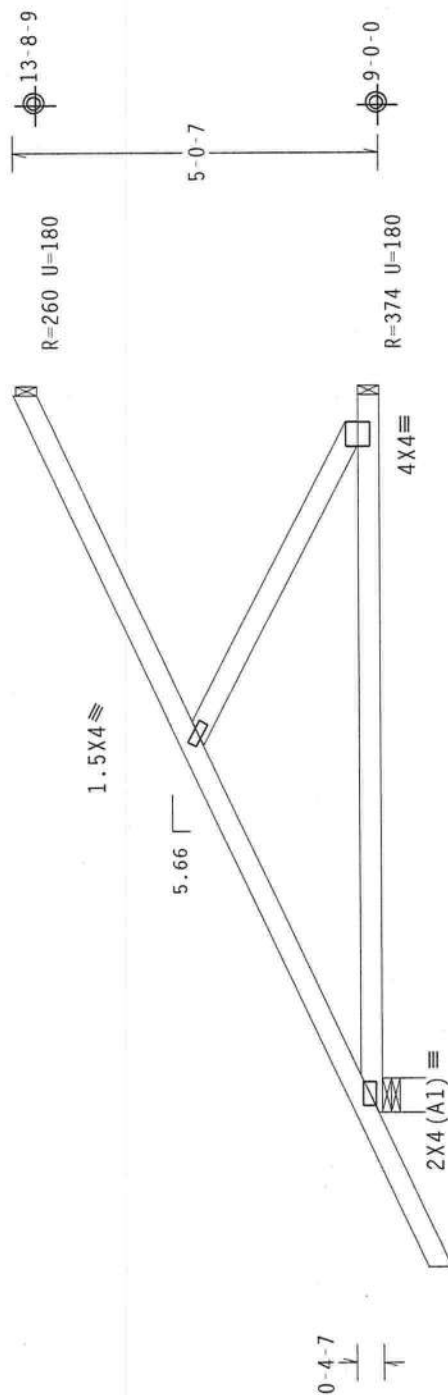
	Top chord	2x4	SP	#2	Dense
	Bot chord	2x4	SP	#2	Dense
	Webbs	2x4	SP	#3	

1110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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



2-1-7

9-10-13 Over 3 Supports

R=472 H=180 W=5.657"

Design Crit: TPI-2002 (STD) / FBC

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

7 04 0805

QTY:2

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

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 THE U.S. DEPARTMENT OF COMMERCE, NATIONAL BUREAU OF STANDARDS, 400 RALEIGH DRIVE, WASHINGTON, D.C. 20548 OR DOW CHEMICAL COMPANY, 19560 ELM STREET, TORONTO, ONTARIO M2H 1B7 CANADA FOR ADDITIONAL INFORMATION.

THIS PRODUCT IS NOT SUITABLE FOR PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED. PROCEED WITH CAUTION. ALL ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED ENDGRAIN SEALING JOINT.

****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 EXISTING TRUSS IN COMPLIANCE WITH THE PROVISIONS OF THE NATIONAL DESIGN SPEC. BY AISC AND THE ALPINE DESIGNER SHALL BE REMOVED AND REPLACED WITH THE NATIONAL DESIGN SPEC. BY AISC AND THE ALPINE DESIGNER. THE TRUSSES ARE MADE OF 20X18/160A OR 20X18/160B ASTM A663 GRADE 40/60 IN. KIN-51 GALV. STEEL PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANS/TPI 1 SEC. 2.



Oct 05 '05

REF- 1SR1487 705

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

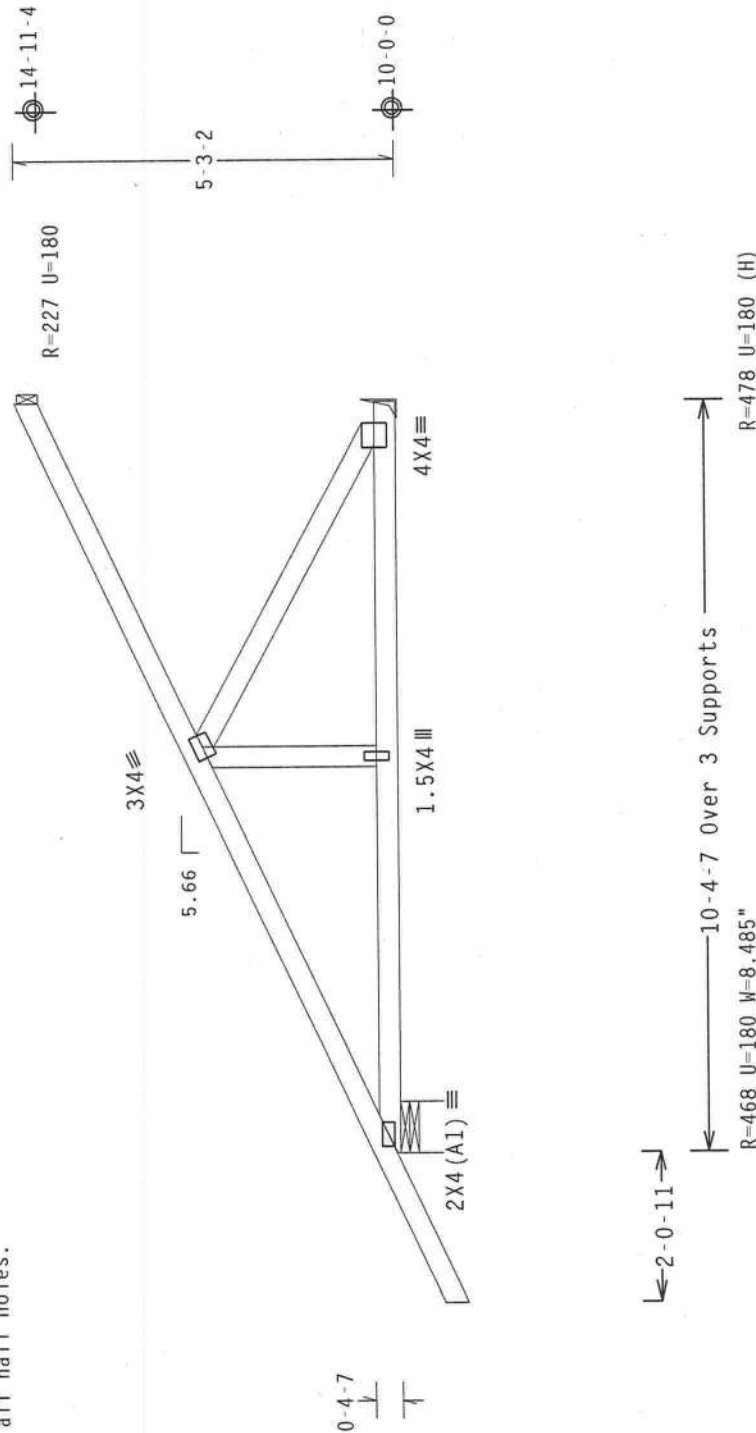
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Hipjack supports 7-4-0 setback jacks. Jacks up to 7' have no webs. Longer jacks supported to BC.

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

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

H=Simpson SUR/L26 or equivalent
Fill all nail holes.



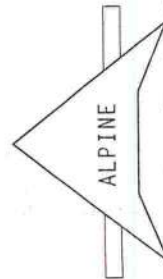
Design Crit: TPI-2002(STD)/FBC

PI-200Z (STD) / FBC
Ca/RT=1.00(1.25) / 10(0) 7.

Scale = .375"/Ft.

***WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESIGNS 1-03 (BUILDING COMPONENT SAFETY) AND 1-04 (TRUSSING) BY TPI TRUSSING PLATE INSTITUTE, 583 S. DUNDRAH DR., SUITE 200, CHICAGO, ILL. 60605 AND TPI TRUSSING PLATE INSTITUTE, 6300 ENTERPRISE LN., SUITE 200, CHICAGO, ILL. 60631 FOR DESIGN, CONSTRUCTION AND BRACING PRACTICES. PRIOR TO IMPROVING TRUSS FUNCTIONS, UNLESS OTHERWISE INDICATED, ALL TRUSSES SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED TOP CHORD CEILING.

****IMPORTANT**** *UNLESS A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR IS PROVIDED BY THE MANUFACTURER, THE MANUFACTURING COMPANY SHALL 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 NATIONAL SPECIFICATIONS OF NIS (NATIONAL DESIGN SPECIFICATION) BY AIAA (AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS). THE USER OF THIS DESIGN SHALL BE RESPONSIBLE FOR THE PROPER APPLICATION OF THIS DESIGN TO HIS PROJECT. THE USER SHALL BE RESPONSIBLE FOR THE PROPER APPLICATION OF THIS DESIGN TO HIS PROJECT. THE USER SHALL BE RESPONSIBLE FOR THE PROPER APPLICATION OF THIS DESIGN TO HIS PROJECT.



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

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Oct 05 '05

FL/-/4/-/-/R/-		Scale = .375"/Ft.
TC LL	20.0 PSF	REF R487 - - 2660
TC DL	10.0 PSF	DATE 10/05/05
BC DL	10.0 PSF	DRW HCUR487 05278199
BC LL	0.0 PSF	HC-ENG SL/HBG3
TOT.LD.	40.0 PSF	SEQN - 6755
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SR1487_Z05

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

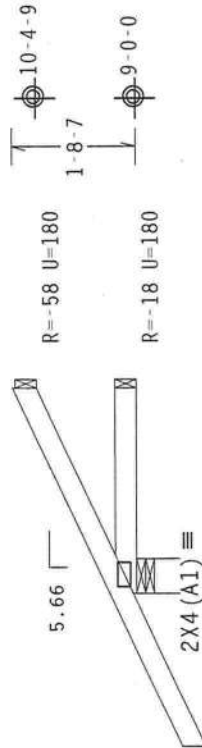
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0
psf.

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

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at -2.12 to 60 PLF at 2.83
BC - From 4 PLF at -2.12 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 2.83
TC - 216 LB Conc. Load at 1.54
BC - 19 LB Conc. Load at 1.54

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



2-1-7
2-9-15 Over 3 Supports
R=203 U=259 W=5.657"

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.04.0805

QTY:2 FL/-/4/-/-/R/- Scale =.375"/Ft.

TC LL	20.0 PSF	REF	R487 -- 2661
TC DL	10.0 PSF	DATE	10/05/05
BC DL	10.0 PSF	DRW	HCUSR487 05278215
BC LL	0.0 PSF	HC-ENG	SL/HBG3
TOT.LD.	40.0 PSF	SEQN	6331
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1SR1487_Z05



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND UNLOADING. 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 UNLOADING OF THE TRUSS DESIGN COMPONENTS WITH THE FOLLOWING INSTRUCTIONS: PROTECT ALL SURFACES FROM DAMAGE AND DO NOT APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

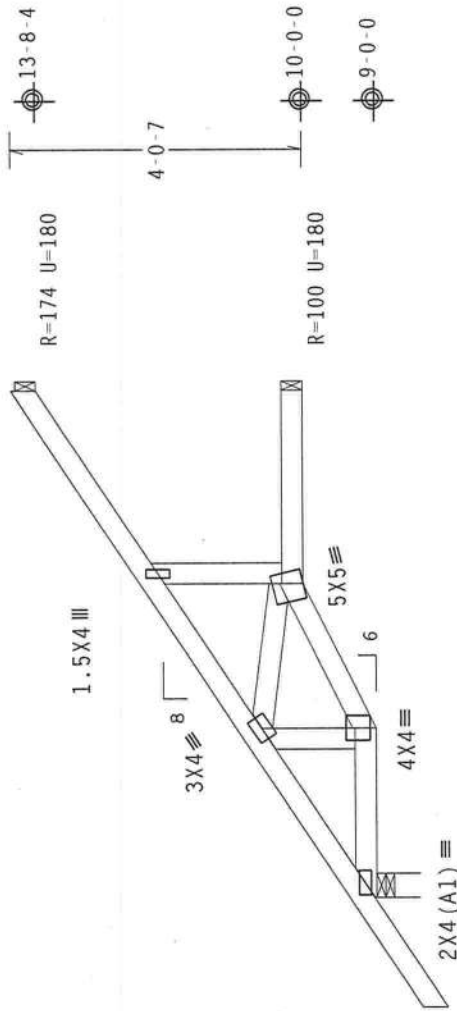
ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
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Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

110 mph wind, 11.20 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

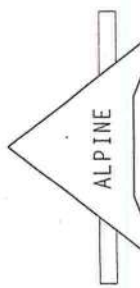
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



1-6-0

2-4-0 2-0-0 2-8-0
7-0-0 Over 3 Supports
R=422 U=180 W=4"

Design Crit: TPI-2002 (STD) / FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0805

PLT TYP. Wave	QTY:5	FL/-/4' - /- /R/-	Scale = .375" / Ft.
 Alpine Engineered Products, Inc. 1950 Marjory Drive Haines City, FL 33844	**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 PLAN INSTITUTE, 983 D'ORFORD DR., SUITE 200, MADISON, WI 53719) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719). FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. **IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/A) ASTM A653 GRADE 40/60 (W. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSSES AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-1-2002 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.		
	TC LL	20.0 PSF	REF R487 -- 2662
	TC DL	10.0 PSF	DATE 10/05/05
	BC DL	10.0 PSF	DRW HCUSR487 0527811
	BC LL	0.0 PSF	HC-ENG SL/HBG3
	TOT.LD.	40.0 PSF	SEQN - 6300
	DUR.FAC.	1.25	
	SPACING	24.0"	JREF - 1SR1487_Z05
	Oct 05 '05		



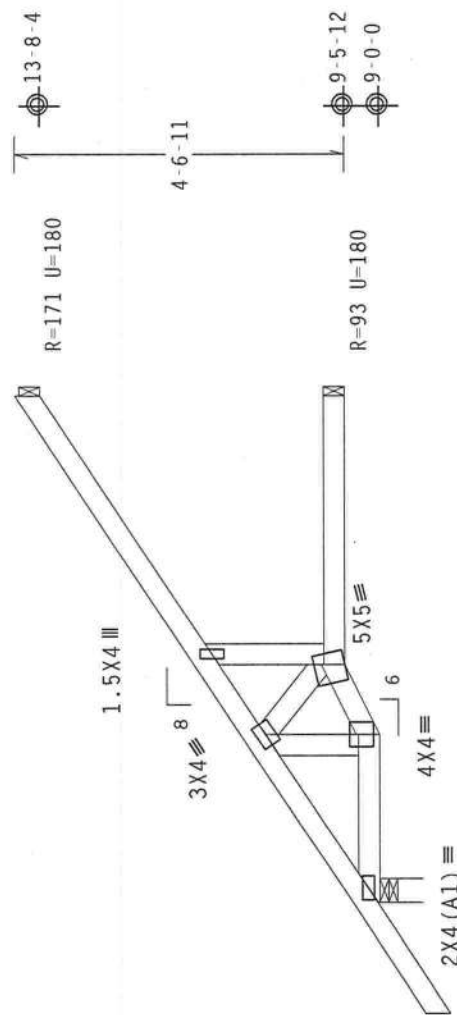
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Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

110 mph wind, 11.20 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



L=1-6-0

2-4-0 6-11-8 3-8-8
7-0-0 Over 3 Supports
R=430 U=180 W=4"

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

PLT TYP. Wave	QTY:1	FL/-/4/-/-/R/-	Scale = .375"/Ft.
	TC LL	20.0 PSF	REF R487 -- 2663
	TC DL	10.0 PSF	DATE 10/05/05
	BC DL	10.0 PSF	DRW HCUSR487 05278118
	BC LL	0.0 PSF	HC-ENG SL/HBG3 *
	TOT.LD.	40.0 PSF	SEQN- 6304
	DUR.FAC.	1.25	
	SPACING	24.0"	JREF- 1SR1487_Z05



Oct 05 '05

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 58 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719), AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 10000 WOODBURN RD., SUITE 100, WOODBURN, VA 22191) 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 AND BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AIA/AIA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/166A (N/N/S/K) ASTM A653 GRADE 40/60 (N, K/R/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3, A SEAL ON THIS DESIGN SHOWN. THE SOLE RESPONSIBILITY OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Alpine Engineered Products, Inc.
1050 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

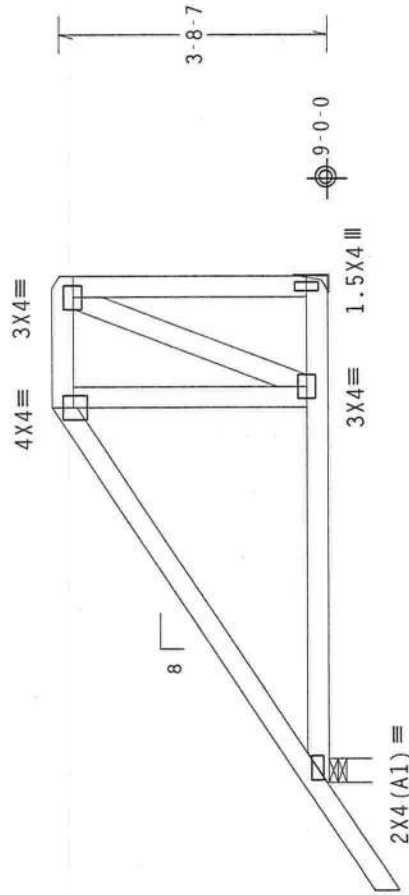
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

Right end vertical not exposed to wind pressure.

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



7-0-0 Over 2 Supports
R=274 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

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0805

PLT TYP. Wave

Scale = .375"/Ft.

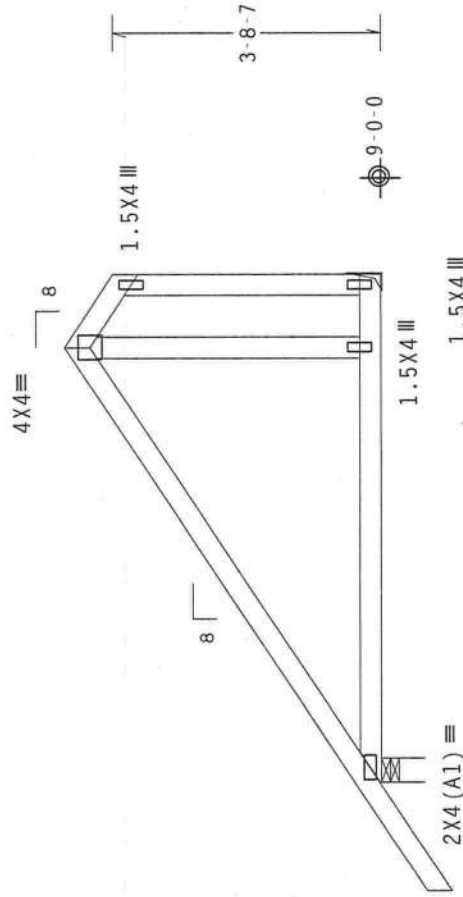


Alpine Engineered Products, Inc.
1950 Main Drive
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JREF- 1SR1487_Z05

Right end vertical not exposed to wind pressure.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.


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

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 PACE INSTITUTE, 503 D'ONOFRIO DR., SUITE 200, MADISON, MI 48719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, MI 48719) 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 1X10 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 TP1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH NATIONAL STANDARD 3000 (W/ AFPA) AND TP1. ALPINE CONNECTOR PLATES ARE AVAILABLE WITH APPLICABLE PROVISIONS (164/18/574) ASTM A563 GRADE 50/60 (W/ 6/PL-5) GALV. STEEL. APPLY TO ALL TRUSSES. ALL TRUSSES SHALL BE DESIGNED TO SUPPORT 100 PSF UNIFORM PER DIMENSIONS. A FULL INSPECTION OF PLATES FOLLOWED BY 100% SHALL BE PER ANNEX 3 OF TP1-2002 SEC. 3.3. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE SEAL ON THIS DESIGN SHEET. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX 1 SEC. 2.



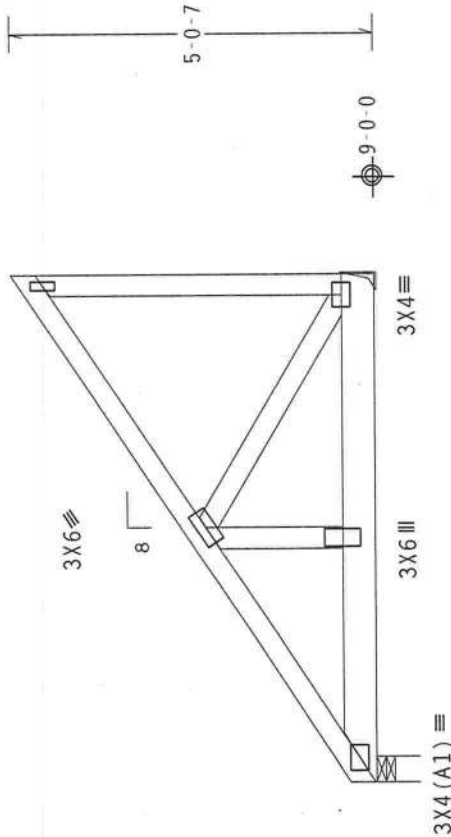
TC LL	20.0 PSF	REF R487 - 2665
TC DL	10.0 PSF	DATE 10/05/05
BC DL	10.0 PSF	DRW HCUR487 05278122
BC LL	0.0 PSF	HC-ENG SL/HBG3 *
TOT.LD.	40.0 PSF	SEQN - 6327
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SR1487 Z05

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

110 mph wind, 15.00 ft mean ht, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

1.5X4 III



7'-0-0 Over 2 Supports
R-906 U-268 W=4"

R=1094 U=346 H=Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

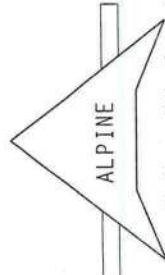
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0805

QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

PLT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BCES 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 383 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD INDOOR TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE SPECIFIED, ALL TOP CHORDS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORDS SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR ANY REGULATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN ACCORDANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/10/16GA (M/H/S/K) ASTM A653 GRADE 40/60 (H, K/H,S) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.
1950 Marley Drive
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SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at 0.00 to 60 PLF at 7.00
BC - From 20 PLF at 0.00 to 20 PLF at 7.00
BC - 483 LB Conc. Load at 2.06, 4.06
BC - 473 LB Conc. Load at 6.06

Right end vertical not exposed to wind pressure.

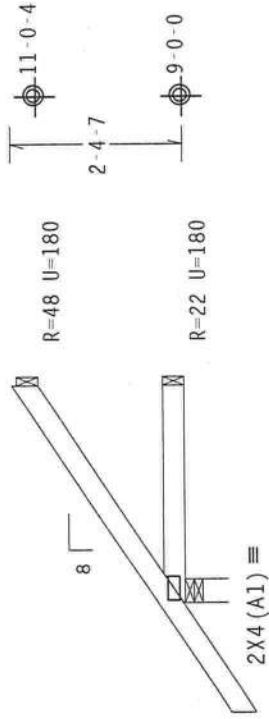
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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

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

110 mph wind, 9.87 ft mean hgt, ASCE 7-98, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0
psf.

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



3'-0'-0' Over 3 Supports
R=266 U=180 W=4"
L=1'-6'-0' >

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04.0805

QTY: 6 FL/-/4/-/1-/R/-

Scale = .375"/Ft.

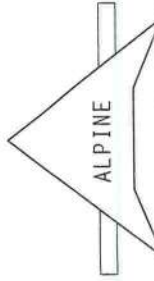
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND NITCA (NATIONAL TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE DR., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. THE TRUSS COMPONENTS AND 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 HAVE RESPONSIBILITY FOR THE DESIGN, FABRICATION, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. THE TRUSS DESIGN SHALL CONFORM WITH THE FOLLOWING: 1. TPI-1995(STD) FOR TRUSS DESIGN, 2. ALPINE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY A78P) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (4-H/5K) ASTM A653 GRADE 40/60 (H, K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

REF	R487-- 2667
DATE	10/05/05
DRW	HCUSR487 05278201
HC-ENG	SL/HBG3
SEQN	12870
JREF	1SR1487_Z05



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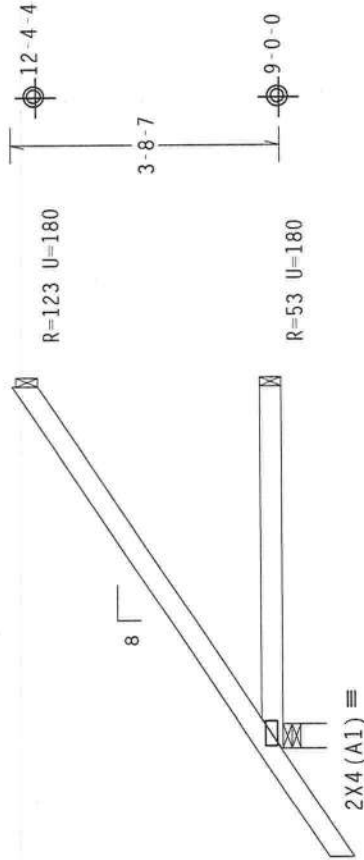
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Dead loads are stated on projected horizontal area basis.

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

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



≤1-6-0

≤5-0-0 Over 3 Supports
R=320 U=180 W=4"

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

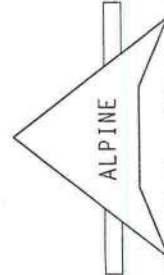
QTY: 6 FL/-/4/-/-/R/- Scale = .375"/Ft.



****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), 1500 DUNDAS ST. W., SUITE 200, MISSISSAUGA, ON L4X 1L3, CANADA. (905) 876-1111. FOR MORE INFORMATION, VISIT OUR WEBSITE AT WWW.TPI-TRUSSES.COM. HADISON, WI 53719) AND WICA (WOOD INSTITUTE FOR CONSTRUCTION AND BUILDING) 1000 W. WILSON ST., SUITE 100, MADISON, WI 53719) FOR SAFETY PRACTICES. TRUSSES ARE DESIGNED FOR THE FOLLOWING 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 20/18/16GA (M/H/S/K) ASTM A653 GRADE 40/60 (M, K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

PLT TYP. Wave



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1950 Marley Drive
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Oct 05 '05

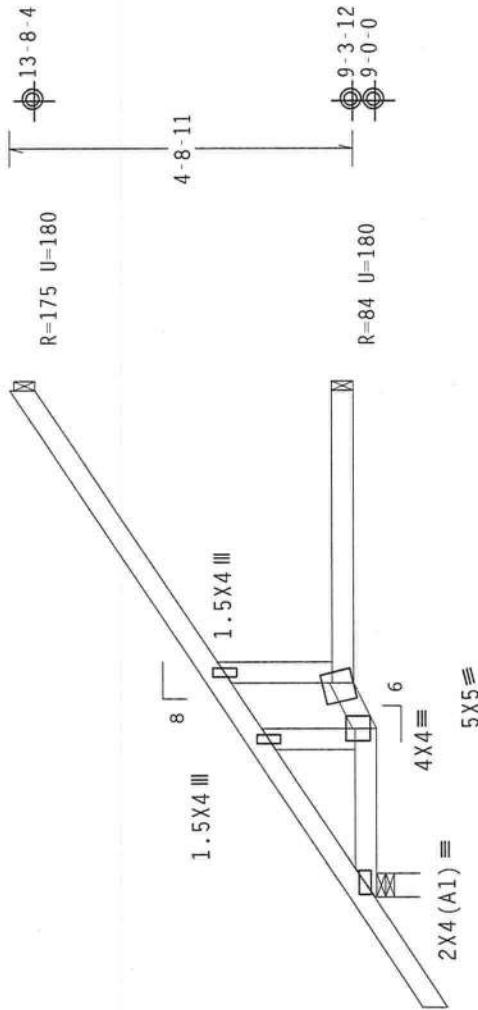
JREF- 1SR1487_Z05

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

110 mph wind, 11.20 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP 8, wind TC DL=5.0 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.



1-6-0

2-4-0 0-7-8 4-0-8
7-0-0 Over 3 Supports
R=434 U=180 W=4"

Design Crit: TPI-2002 (STD) / FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0805

PLT TYP. Wave

QTY:1 FL/-/4/-/-/R/- Scale = .375" / Ft.

TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-2002 (STD) / FBC, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W.15/5/3) ASTM A553 GRADE 40/60 (W. 8/16.5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS. TRUSS INSPECTION OF PLATES SHALL BE CONDUCTED BY A QUALIFIED PERSON. THE PROFESSIONAL ENGINEER'S RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN, INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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FL Certificate of Authorization # 567

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JREF - 1SR1487_Z05

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

110 mph wind, 15.00 ft mean ht., ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

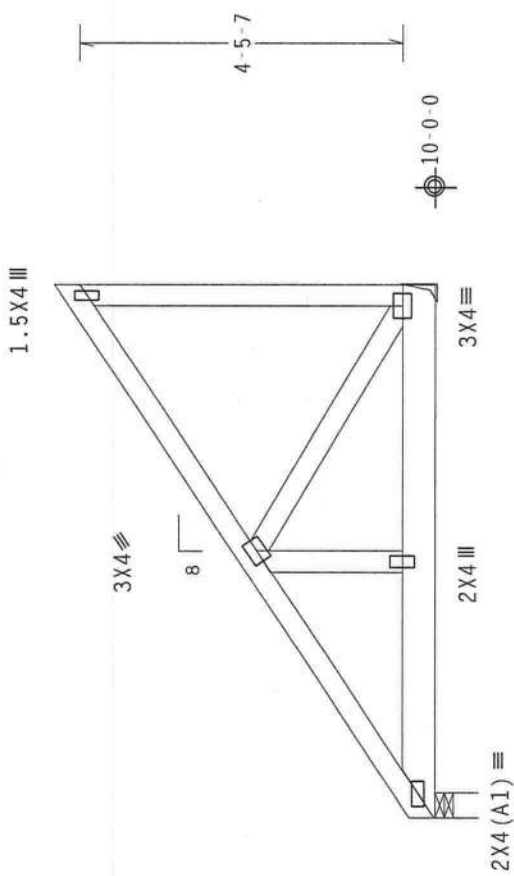
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

SPECIAL LOADS

	----- (LUMBER DUR. FAC.=1.25 / PLATE DUR. FAC.=1.25) -----			
	TC	From	64 PLF at 0.00 to	64 PLF at 7.33
	BC	From	20 PLF at 0.00 to	20 PLF at 7.33
BC	BC	235	LB Conc. Load at 1.40	
BC	BC	211	LB Conc. Load at 3.40	
BC	BC	262	LB Conc. Load at 5.40	

Right end vertical not exposed to wind pressure.

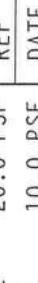
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



$\overbrace{0-0-1}$
 $\overleftarrow{7-4-1}$ Over 2 Supports
 $R=669 \quad U=180 \quad W=4''$
 $R=636 \quad U=180 \quad W=4''$

R-636 U-180 H-Simpson LU26
w/ (6) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girders: iP(1)2002m10d⁵FB¹ne
Design Ctr: Cq/RT=1.0(1.25)/10(0) 7.04.080

PLT TYP.	Wave	Cq/RT=1.00(1.25)/10(0)	7.04.0805.15	FL/-4/-/-R/-	Scale = .375"/Ft.



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****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 AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (H, V/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANEAS A3 OF TPI-1-2002 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.



Oct 05 '05

TC LL	20.0	PSF	REF R487--	2671
TC DL	10.0	PSF	DATE	10/05/05
BC DL	10.0	PSF	DRW HCUSR487	05278147
BC LL	0.0	PSF	HC-ENG SL/HBG3	
TOT.LD.	40.0	PSF	SEON-	6743
DUR.FAC.	1.25			
SPACING	24.0"		JREF-	1SR1487_Z05

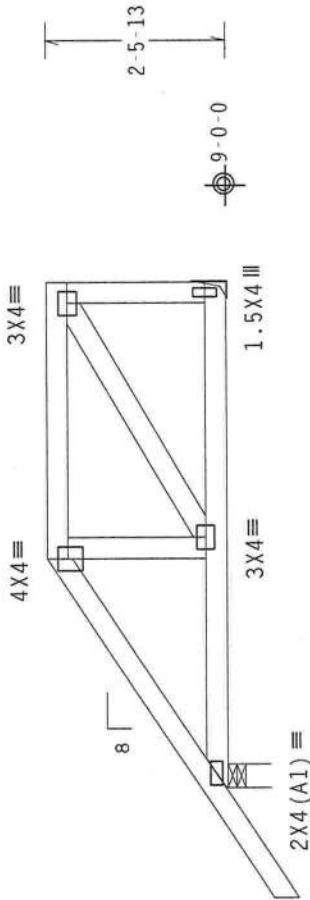
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

Right end vertical not exposed to wind pressure.

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



PLT TYP. Wave

QTY:1 FL/-4/-/-R/- Scale = .375"/Ft.

REF R487-- 2672

DATE 10/05/05

DRW HCUR487 05278127

HC-ENG SL/HBG3

SEON- 6444

DUR.FAC. 1.25

SPACING 24.0"

JREF- 1SR1487_Z05

ALPINE

Alpine Engineered Products, Inc.

1950 N. Highway 1

Haines City, FL 33844

FL Certificate of Authorization # 567

Oct 05 '05

Professional Engineer

FLORIDA

License No. 33454

HARRY B. GOODSON

Professional Engineer

Oct 05 '05

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

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

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Haines City, FL 33844
FL Certificate of Authorization # 567

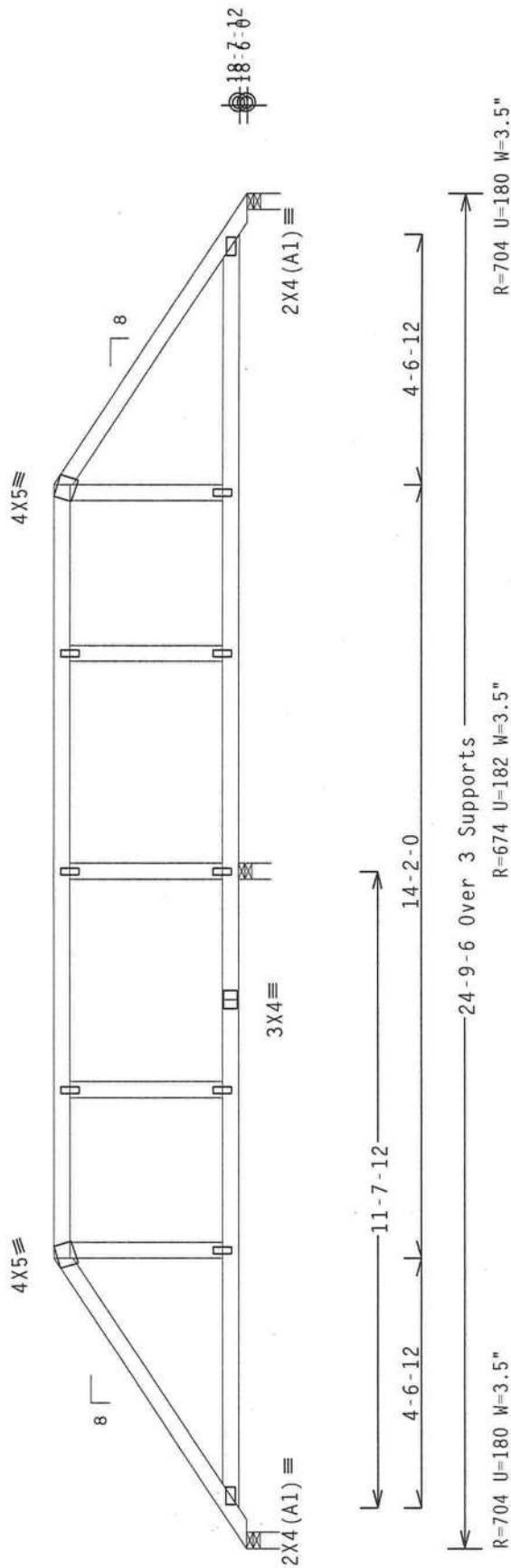
Oct 05 '05

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

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

Refer to drawing PIGBACKB0204 for piggyback detail.
Top chord of supporting truss under piggyback to be braced @ 24" O.C., unless otherwise specified.

110 mph wind, 20.27 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.04.0805

QTY:1 FL/-4/-/-R/- Scale = .3125"/Ft.

PLT TYP. Wave

ALPINE

Alpine Engineered Products, Inc.
1950 N. Highway 1
Haines City, FL 33844
FL Certificate of Authorization # 567

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

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



Oct 05 '05

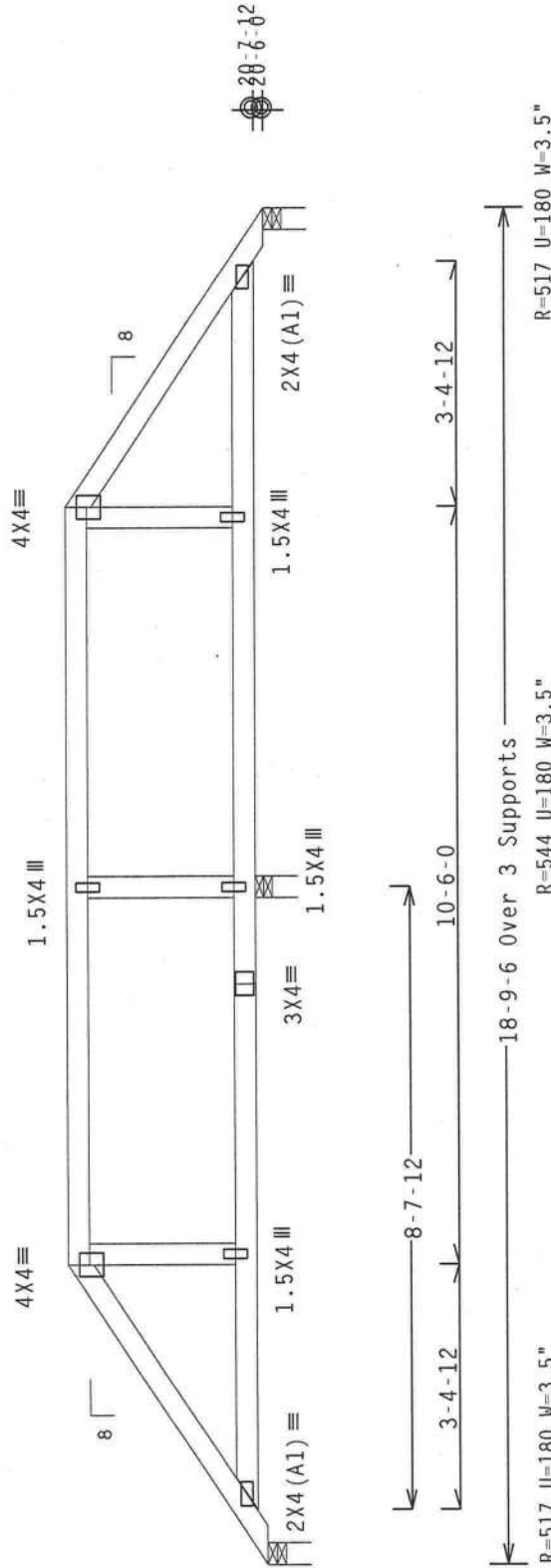
JREF - 1SR1487_Z05

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

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

Refer to drawing PIGBACK80204 for piggyback detail.
Top chord of supporting truss under piggyback to be braced @ 24" O.C., unless otherwise specified.

110 mph wind, 21.88 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.



Design Crit: TPI-2002 (STD) / FBC

PLT TYP. Wave	QTY: 1	FL / - / 4 / - / - / R / -	Scale = .375" / Ft.
TC LL	20.0	PSF	REF R487 - 2678
TC DL	10.0	PSF	DATE 10/05/05
BC DL	10.0	PSF	DRW HCUSR487 05278207
BC LL	0.0	PSF	HC-ENG SL/HBG3
TOT. LD.	40.0	PSF	SEQN - 6658
DUR. FAC.	1.25		
SPACING	24.0"		JREF - 1SR1487_Z05



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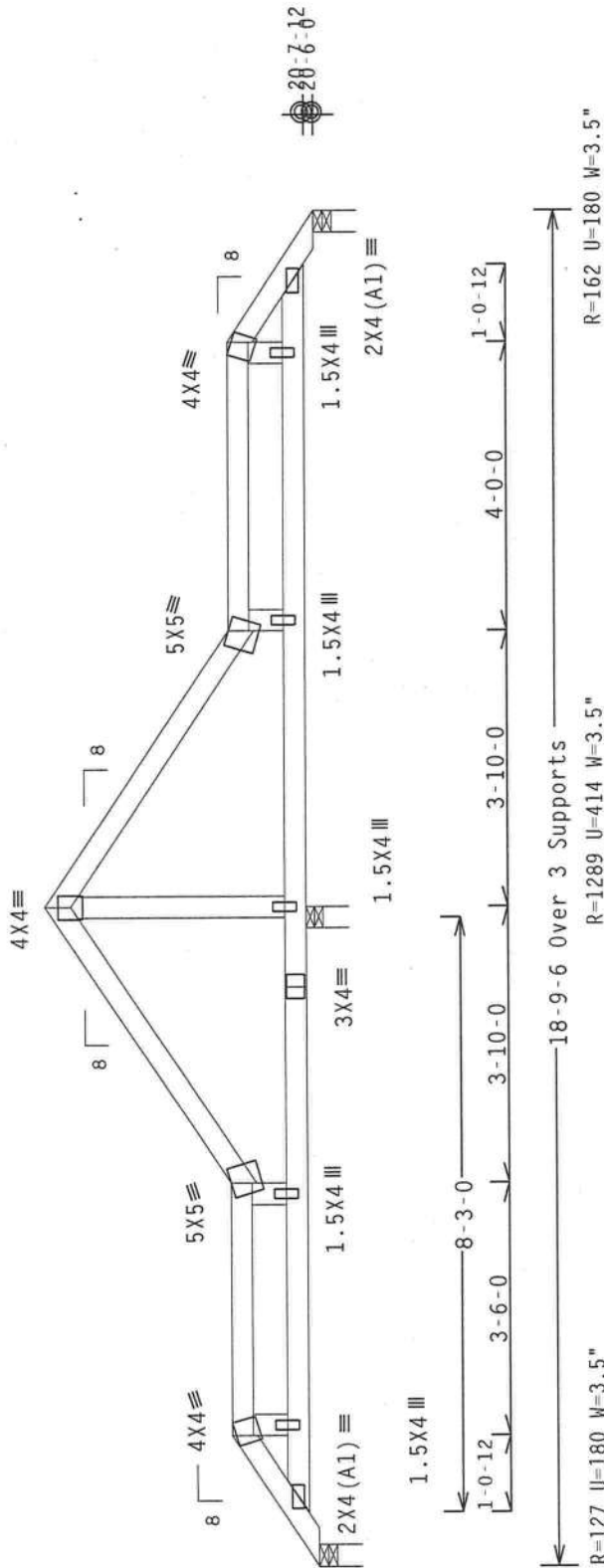
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APPLY CONNECTOR PLATES ARE MADE PER 2018/2019/2020/2021/2022/2023/2024/2025/2026/2027/2028/2029/2030/2031/2032/2033/2034/2035/2036/2037/2038/2039/2040/2041/2042/2043/2044/2045/2046/2047/2048/2049/2050/2051/2052/2053/2054/2055/2056/2057/2058/2059/2060/2061/2062/2063/2064/2065/2066/2067/2068/2069/2070/2071/2072/2073/2074/2075/2076/2077/2078/2079/2080/2081/2082/2083/2084/2085/2086/2087/2088/2089/2090/2091/2092/2093/2094/2095/2096/2097/2098/2099/2100/2101/2102/2103/2104/2105/2106/2107/2108/2109/2110/2111/2112/2113/2114/2115/2116/2117/2118/2119/2120/2121/2122/2123/2124/2125/2126/2127/2128/2129/2130/2131/2132/2133/2134/2135/2136/2137/2138/2139/2140/2141/2142/2143/2144/2145/2146/2147/2148/2149/2150/2151/2152/2153/2154/2155/2156/2157/2158/2159/2160/2161/2162/2163/2164/2165/2166/2167/2168/2169/2170/2171/2172/2173/2174/2175/2176/2177/2178/2179/2180/2181/2182/2183/2184/2185/2186/2187/2188/2189/2190/2191/2192/2193/2194/2195/2196/2197/2198/2199/2200/2201/2202/2203/2204/2205/2206/2207/2208/2209/2210/2211/2212/2213/2214/2215/2216/2217/2218/2219/2220/2221/2222/2223/2224/2225/2226/2227/2228/2229/2230/2231/2232/2233/2234/2235/2236/2237/2238/2239/2240/2241/2242/2243/2244/2245/2246/2247/2248/2249/2250/2251/2252/2253/2254/2255/2256/2257/2258/2259/2260/2261/2262/2263/2264/2265/2266/2267/2268/2269/2270/2271/2272/2273/2274/2275/2276/2277/2278/2279/2280/2281/2282/2283/2284/2285/2286/2287/2288/2289/2290/2291/2292/2293/2294/2295/2296/2297/2298/2299/2300/2301/2302/2303/2304/2305/2306/2307/2308/2309/2310/2311/2312/2313/2314/2315/2316/2317/2318/2319/2320/2321/2322/2323/2324/2325/2326/2327/2328/2329/2330/2331/2332/2333/2334/2335/2336/2337/2338/2339/2340/2341/2342/2343/2344/2345/2346/2347/2348/2349/2350/2351/2352/2353/2354/2355/2356/2357/2358/2359/2360/2361/2362/2363/2364/2365/2366/2367/2368/2369/2370/2371/2372/2373/2374/2375/2376/2377/2378/2379/2380/2381/2382/2383/2384/2385/2386/2387/2388/2389/2390/2391/2392/2393/2394/2395/2396/2397/2398/2399/2400/2401/2402/2403/2404/2405/2406/2407/2408/2409/2410/2411/2412/2413/2414/2415/2416/2417/2418/2419/2420/2421/2422/2423/2424/2425/2426/2427/2428/2429/2430/2431/2432/2433/2434/2435/2436/2437/2438/2439/2440/2441/2442/2443/2444/2445/2446/2447/2448/2449/2450/2451/2452/2453/2454/2455/2456/2457/2458/2459/2460/2461/2462/2463/2464/2465/2466/2467/2468/2469/2470/2471/2472/2473/2474/2475/2476/2477/2478/2479/2480/2481/2482/2483/2484/2485/2486/2487/2488/2489/2490/2491/2492/2493/2494/2495/2496/2497/2498/2499/2500/2501/2502/2503/2504/2505/2506/2507/2508/2509/2510/2511/2512/2513/2514/2515/2516/2517/2518/2519/2520/2521/2522/2523/2524/2525/2526/2527/2528/2529/2530/2531/2532/2533/2534/2535/2536/2537/2538/2539/2540/2541/2542/2543/2544/2545/2546/2547/2548/2549/2550/2551/2552/2553/2554/2555/2556/2557/2558/2559/2560/2561/2562/2563/2564/2565/2566/2567/2568/2569/2570/2571/2572/2573/2574/2575/2576/2577/2578/2579/2580/2581/2582/2583/2584/2585/2586/2587/2588/2589/2590/2591/2592/2593/2594/2595/2596/2597/2598/2599/2600/2601/2602/2603/2604/2605/2606/2607/2608/2609/2610/2611/2612/2613/2614/2615/2616/2617/2618/2619/2620/2621/2622/2623/2624/2625/2626/2627/2628/2629/2630/2631/2632/2633/2634/2635/2636/2637/2638/2639/2640/2641/2642/2643/2644/2645/2646/2647/2648/2649/2650/2651/2652/2653/2654/2655/2656/2657/2658/2659/2660/2661/2662/2663/2664/2665/2666/2667/2668/2669/2670/2671/2672/2673/2674/2675/2676/2677/2678/2679/2680/2681/2682/2683/2684/2685/2686/2687/2688/2689/2690/2691/2692/2693/2694/2695/2696/2697/2698/2699/2700/2701/2702/2703/2704/2705/2706/2707/2708/2709/2710/2711/2712/2713/2714/2715/2716/2717/2718/2719/2720/2721/2722/2723/2724/2725/2726/2727/2728/2729/2730/2731/2732/2733/2734/2735/2736/2737/2738/2739/2740/2741/2742/2743/2744/2745/2746/2747/2748/2749/2750/2751/2752/2753/2754/2755/2756/2757/2758/2759/2760/2761/2762/2763/2764/2765/2766/2767/2768/2769/2770/2771/2772/2773/2774/2775/2776/2777/2778/2779/2780/2781/2782/2783/2784/2785/2786/2787/2788/2789/2790/2791/2792/2793/2794/2795/2796/2797/2798/2799/2800/2801/2802/2803/2804/2805/2806/2807/2808/2809/2810/2811/2812/2813/2814/2815/2816/2817/2818/2819/2820/2821/2822/2823/2824/2825/2826/2827/2828/2829/2830/2831/2832/2833/2834/2835/2836/2837/2838/2839/2840/2841/2842/2843/2844/2845/2846/2847/2848/2849/2850/2851/2852/2853/2854/2855/2856/2857/2858/2859/2860/2861/2862/2863/2864/2865/2866/2867/2868/2869/2870/2871/2872/2873/2874/2875/2876/2877/2878/2879/2880/2881/2882/2883/2884/2885/2886/2887/2888/2889/2890/2891/2892/2893/2894/2895/2896/2897/2898/2899/2900/2901/2902/2903/2904/2905/2906/2907/2908/2909/2910/2911/2912/2913/2914/2915/2916/2917/2918/2919/2920/2921/2922/2923/2924/2925/2926/2927/2928/2929/2930/2931/2932/2933/2934/2935/2936/2937/2938/2939/2940/2941/2942/2943/2944/2945/2946/2947/2948/2949/2950/2951/2952/2953/2954/2955/2956/2957/2958/2959/2960/2961/2962/2963/2964/2965/2966/2967/2968/2969/2970/2971/2972/2973/2974/2975/2976/2977/2978/2979/2980/2981/2982/2983/2984/2985/2986/2987/2988/2989/2990/2991/2992/2993/2994/2995/2996/2997/2998/2999/3000/3001/3002/3003/3004/3005/3006/3007/3008/3009/3010/3011/3012/3013/3014/3015/3016/3017/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Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

Refer to drawing PIGBACKB0204 for piggyback detail.
Top chord of supporting truss under piggyback to be braced @ 24" O.C., unless otherwise specified.

110 mph wind, 22.38 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind tc DL=5.0 psf, wind BC DL=5.0 psf.



R=127 U=180 W=3.5"

R=1289 U=414 W=3.5"

R=162 U=180 W=3.5"

PLT TYP. Wave

Design Crit: TPI-2002 (STD)/FBC

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

7.04.0805

QTY:1

FL/-4/-/-R/-

Scale = .375" / Ft.

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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 DESIGN SPECIFICATIONS, INCLUDING A DEVIATION OF TRUSSES, DESIGN OR CONSTRUCTION, SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE INSTALLER SHALL APPLY DESIGNATION PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
ET California of A subcontract # 567



TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

REF	R487--	2679
DATE	10/05/05	
DRW	HCUSR487	05278208
HC-ENG	SL/HBG3	
SECN	6669	
JREF	1SR1487_Z05	

110 mph wind, 22.32 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Refer to drawing PIGBACKB0204 for piggyback detail.
Top chord of supporting truss under piggyback to be
braced @ 24" O.C., unless otherwise specified.



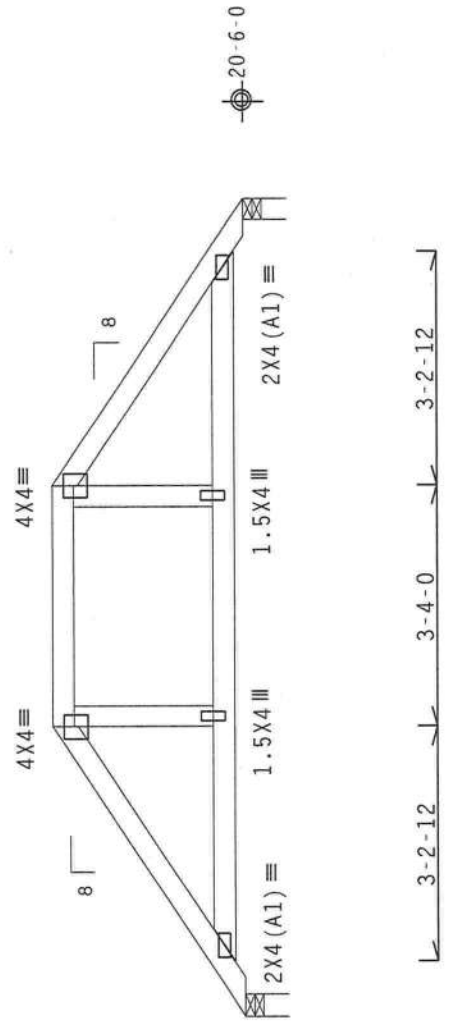
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

SPECIAL LOADS
----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at -0.74 to 64 PLF at 6.56
TC - From 64 PLF at 6.56 to 64 PLF at 10.54
BC - From 20 PLF at -0.74 to 20 PLF at 10.54

Refer to drawing PIGBACK80204 for piggyback detail.
Top chord of supporting truss under piggyback to be
braced @ 24" O.C., unless otherwise specified.

110 mph wind, 21.82 ft mean hgt, ASCE 7-98, CLOSED bldg, not
located within 6.50 ft from roof edge, CAT II, EXP B, wind TC
DL=5.0 psf, wind BC DL=5.0 psf.

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



R=474 U=180 W=3.5"
11-3-6 Over 2 Supports
R=474 U=180 W=3.5"

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

PLT TYP. Wave	QTY:1	FL/-4/-/-R/-	Scale = .375"/Ft.
	TC LL	20.0 PSF	REF R487-- 2681
	TC DL	10.0 PSF	DATE 10/05/05
	BC DL	10.0 PSF	DRW HCUSR487 05278210
	BC LL	0.0 PSF	HC-ENG SL/HBG3
	TOT.LD.	40.0 PSF	SEQN- 6769
	DUR.FAC.	1.25	
	SPACING	24.0"	JREF- 1SR1487_Z05



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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAIL FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THESE PROVISIONS SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE TRUSS SHALL BE MADE OF 20/18/16GA (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 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

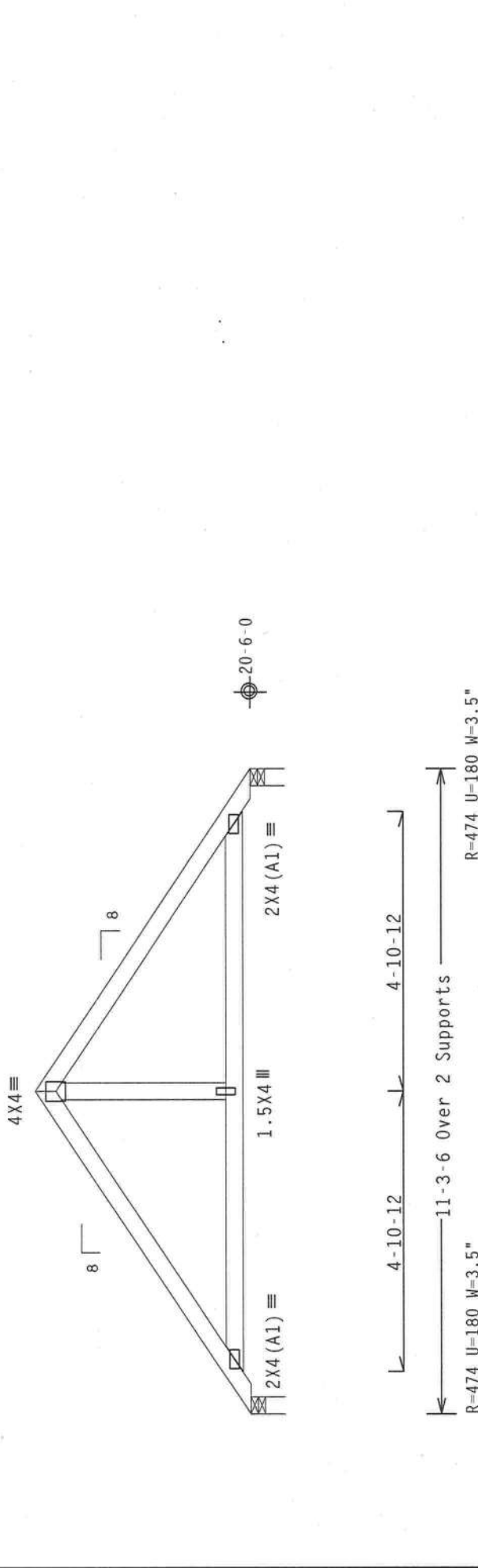
ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
Certificate of Authorization # 567

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

110 mph wind, 22.38 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

Refer to drawing PIGBACK0204 for piggyback detail.
Top chord of supporting truss under piggyback to be braced @ 24" O.C., unless otherwise specified.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.04.0805

7.04.0805

Scale = .375"/Ft.

REF: R487-- 2682

DATE: 10/05/05

DRW: HCUSR487 05278211

HC-ENG SL/HBG3

SEQN: 6698

JREF: 1SR1487_Z05

PLT TYP. Wave

QTY: 3

FL/-/4/-/1-/R/-

Scale = .375"/Ft.

REF: R487-- 2682

DATE: 10/05/05

DRW: HCUSR487 05278211

HC-ENG SL/HBG3

SEQN: 6698

JREF: 1SR1487_Z05

PLT TYP. Wave

QTY: 3

FL/-/4/-/1-/R/-

Scale = .375"/Ft.

REF: R487-- 2682

DATE: 10/05/05

DRW: HCUSR487 05278211

HC-ENG SL/HBG3

SEQN: 6698

JREF: 1SR1487_Z05

CLB WEB BRACE SUBSTITUTION

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

NOTES:

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

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

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

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

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

T-BRACING

OR

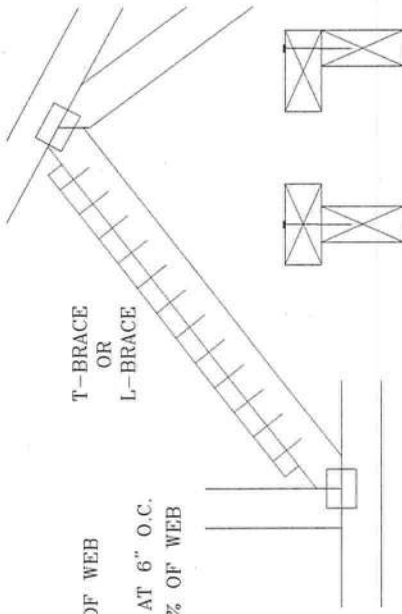
L-BRACING:

APPLY TO EITHER SIDE OF WEB

NARROW FACE

ATTACH WITH 16d NAILS AT 6" O.C.

BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



T-BRACE

L-BRACE

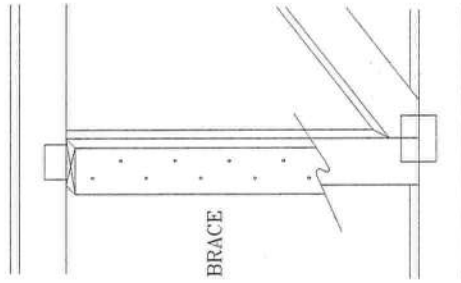
SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB.

NO MORE THAN (1) SCAB PER FACE.

ATTACH WITH 10d OR .128"x3" GUN

NAILS AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



SCAB BRACE

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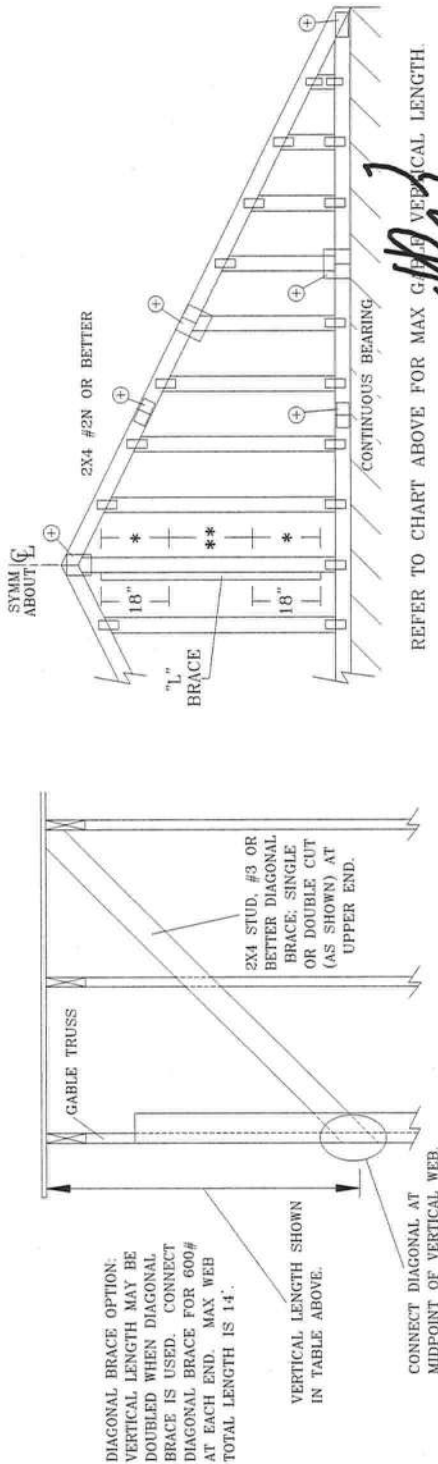


ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

THIS DRAWING REPLACES DRAWING 579.640

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

MAX GABLE VERTICAL LENGTH																	
2X4 VERTICAL GABLE TRUSS		BRACE		NO BRACES	(1) 1X4 "L" BRACE • (1) 2X4 "L" BRACE • (2) 2X4 "L" BRACE •• (1) 2X6 "L" BRACE • (2) 2X6 "L" BRACE ••												
					GRADE		GROUP A		GROUP B		GROUP A		GROUP B		GROUP A		GROUP B
SPACING	SPECIES	#1 / #2	#3	STUD	STANDARD	#1	#2	#3	STUD	STANDARD	#1 / #2	#3	STUD	STANDARD	#1	#2	#3
12" O.C.	SPF																
	HF																
	STANDARD																
	STANDARD																
24" O.C.	SP																
	DFL																
	STUD																
	STANDARD																
16" O.C.	SPF																
	HF																
	STUD																
	STANDARD																
12" O.C.	SPF																
	HF																
	STUD																
	STANDARD																
12" O.C.	SP																
	DFL																
	STUD																
	STANDARD																



BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

DOUGLAS FIR-LARCH

#3	STUD
STANDARD	STANDARD

GROUP B:

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

SOUTHERN PINE

#1	STUD
STANDARD	STANDARD

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS $L/240$.

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

GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.

* FOR (1) "L" BRACE: SPACE NAILS AT 2' O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.

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

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

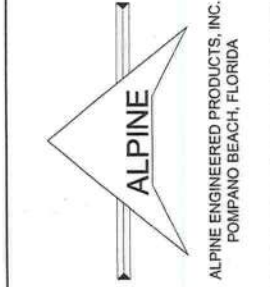
GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH	NO SPLICE	
LESS THAN 4' 0"	1X4 OR 2X3	
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	
GREATER THAN 11' 6"	2.5X4	

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



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

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REF	ASCE7-98-CAB11015
DATE	11/26/03
DRWG	A11015EC1103
-ENG	

MAX. TOT. LD. 60 PSF

MAX. SPACING 24' 0"

GABLE DETAIL FOR LET-IN VERTICALS

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

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

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

EXAMPLE:

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

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

WEB LENGTH INCREASE W/ "T" BRACE

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

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

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

EXAMPLE:

ASCE WIND SPEED = 100 MPH
MEAN ROOF HEIGHT = 30 FT

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

"T" REINFORCING MEMBER SIZE = 2X4

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

MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH

1.10 x 6' 7" = 7' 3"

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

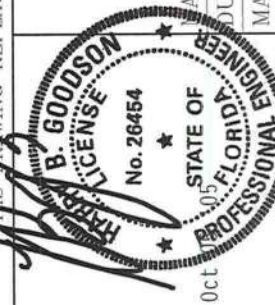
THIS DRAWING REPLACES DRAWINGS GAB98117 876.719 & HC26294035

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 563 DUNDREID 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 CHORDS SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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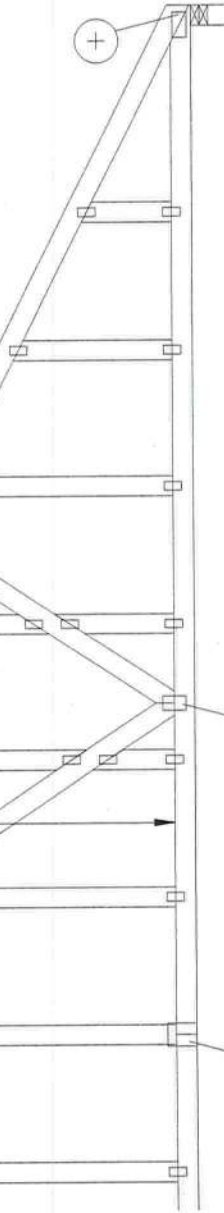


ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA



REF	LET-IN VERT
DATE	01/16/04
DRWG	GBLETTIN1103
-ENG	DLJ/KAR

MAX TOT. LD. 60 PSF
DUR. FAC. ANY
MAX SPACING 24.0"



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH

HAND DRIVEN NAILS:

10d COMMON TOENAILS AT 4" O.C. PLUS (4) 16d COMMON TOENAILS IN TOP AND BOTTOM CHORD.

GUN DRIVEN NAILS - 0.131" X 3"

TOENAILS AT 4" O.C. PLUS (4) TOENAILS IN TOP AND BOTTOM CHORD.

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

ASCE 7-93 GABLE DETAIL DRAWINGS

A11015EN1103, A10015EN1103, A09015EN1103, A08015EN1103, A07015EN1103

A11030EN1103, A10030EN1103, A09030EN1103, A08030EN1103, A07030EN1103

ASCE 7-98 GABLE DETAIL DRAWINGS

A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A08515EC1103

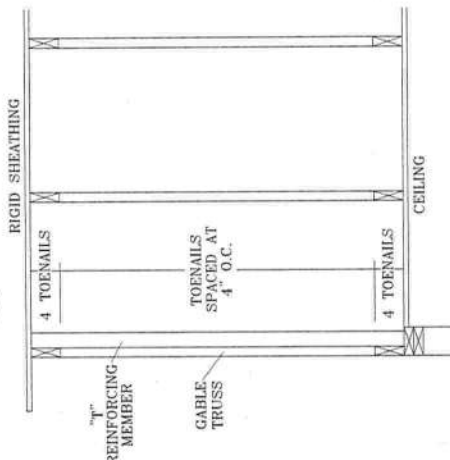
A13030EC1103, A12030EC1103, A11030EC1103, A10030EC1103, A08530EC1103

SBCCI GABLE DETAIL DRAWINGS

S11015EN1103, S10015EN1103, S09015EN1103, S08015EN1103, S07015EN1103

S11030EN1103, S10030EN1103, S09030EN1103, S08030EN1103, S07030EN1103

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



BEARING BLOCK NAIL SPACING DETAIL

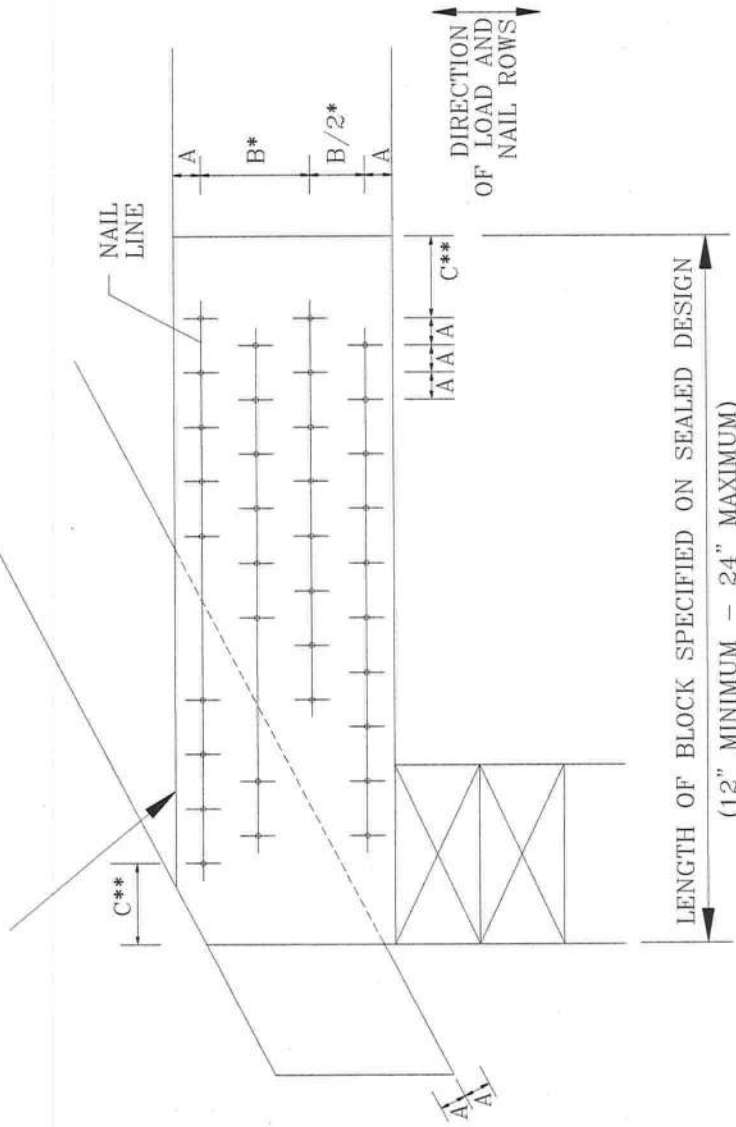
MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

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.



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 CNBRGK0699



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REF	BEARING BLOCK
DATE	11/26/03
DRWG	CNBRGK1103
-ENG	SJP/KAR



ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA



II

Architectural Testing

AAMA/NWDA 101/LS-2-97 TEST REPORT

Rendered to

MI HOME PRODUCTS, INC.
650 West Market Street
P.O. Box 370
Gratz, Pennsylvania 17030-0370

Report No: 01-41134.01
Test Date: 03/07/02
Report Date: 03/26/02
Expiration Date: 03/07/06

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to perform tests on Series/Model 650 Fin, aluminum single hung window at their facility located in Elizabethtown, Pennsylvania. The samples tested successfully met the performance requirements for a H-R40 52 x 72 rating.

Test Specification: The test specimen was evaluated in accordance with AAMA/NWDA 101/LS-2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors*.

Test Specimen Description:

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

Overall Size: 4' 4-1/4" wide by 6' 0-3/8" high

Active Sash Size: 4' 1-3/4" wide by 3' 0-5/8" high

Daylight Opening Size: 3' 11-3/8" wide by 2' 9-1/2" high

Screen Size: 4' 0-1/4" wide by 2' 11-1/8" high

Finish: All aluminum was white.

Glazing Details: The active and fixed lites utilized 3/8" thick, sealed insulating glass constructed from two sheets of 1/8" thick, clear annealed glass and a metal reinforced vinyl spacer system. The active sash was channel glazed utilizing a flexible vinyl wrap-around gasket. The fixed lite was interior glazed against double-sided adhesive foam tape and secured with PVC snap-in glazing beads.

130 Derry Court
York, PA 17402-9405
phone: 717.764.7700
fax: 717.764.4129
www.archtest.com

Allen G. Rimmer
1 APRIL 2002



III

Test Specimen Description: (Continued)

Weatherstripping:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
0.230" high by 0.270" backed polypile with center fin	1 Row	Fixed meeting rail
0.250" high by 0.187" backed polypile with center fin	2 Rows	Active sash stiles
1/2" x 1/2" dust plug	4 Pieces	Active sash, top and bottom of stiles
1/4" foam-filled vinyl bulb seal	1 Row	Active sash, bottom rail

Frame Construction: The frame was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1" screws through the head and sill into each jamb screw boss. End caps were utilized on the ends of the fixed meeting rail and secured with two 1-1/4" screws per cap. Meeting rail was secured to the frame utilizing two 1-1/4" screws.

Sash Construction: The sash was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1-1/2" screws through the rails into each jamb screw boss.

Screen Construction: The screen was constructed from roll-formed aluminum with keyed corners. The fiberglass mesh was secured with a flexible spline.

Hardware:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Metal cam lock with keeper		Midspan, active meeting rail with keeper adjacent on fixed meeting rail
Plastic tilt latch	2	Active sash, meeting rail ends
Metal tilt pin	2	Active sash, bottom rail ends
Balance assembly	2	One in each jamb
Screen plunger	2	4" from rail ends on top rail

Allen H. Reeves
1 APRIL 2002



IV

Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

Installation: The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood test buck with #8 x 1-5/8" drywall screws every 8" on center around the nail fin. Polyurethane was used as a sealant under the nail fin and around the exterior perimeter.

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.1	Operating Force	11 lbs	30 lbs max
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.13 cfm/ft ²	0.3 cfm/ft ² max

Note #1: The tested specimen meets the performance levels specified in AAMA/NWDA 101/LS-2-97 for air infiltration.

	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds) @ 25.9 psf (positive) @ 34.7 psf (negative)	0.42" 0.43"	0.26" max. 0.26" max.

**Exceeds 1/175 for deflection, but passes all other test requirements.*

2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds) @ 38.9 psf (positive) @ 52.1 psf (negative)	0.02" 0.02"	0.18" max. 0.18" max.
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Allen H. Reeves
1 APRIL 2002



Test Specimen Description: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.2	Deglazing Test (ASTM E 987) In operating direction at 70 lbs		
	Meeting rail	0.12"/25%	0.50"/100%
	Bottom rail	0.12"/25%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.06"/12%	0.50"/100%
	Right stile	0.06"/12%	0.50"/100%
	Forced Entry Resistance (ASTM F 588-97)		
	Type: A		
	Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Tests A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry

Optional Performance

4.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 5.00 pcf	No leakage	No leakage
	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds)		
	@ 45.0 pcf (positive)	0.47"	0.26" max.
	@ 47.2 pcf (negative)	0.46"	0.26" max.

*Exceeds L/175 for deflection, but passes all other test requirements.

	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)		
	@ 67.5 pcf (positive)	0.05"	
	@ 70.8 pcf (negative)	0.05"	

Allen N. Reeves
1 APRIL 2002



VI

Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator.

For ARCHITECTURAL TESTING, INC.

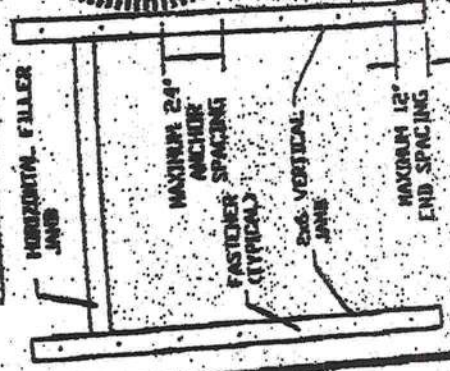

Mark A. Hoss
Technician

MAH:nb
01-41134.01


Allen N. Reeves, P.E.
Director - Engineering Services
1 APRIL 2002

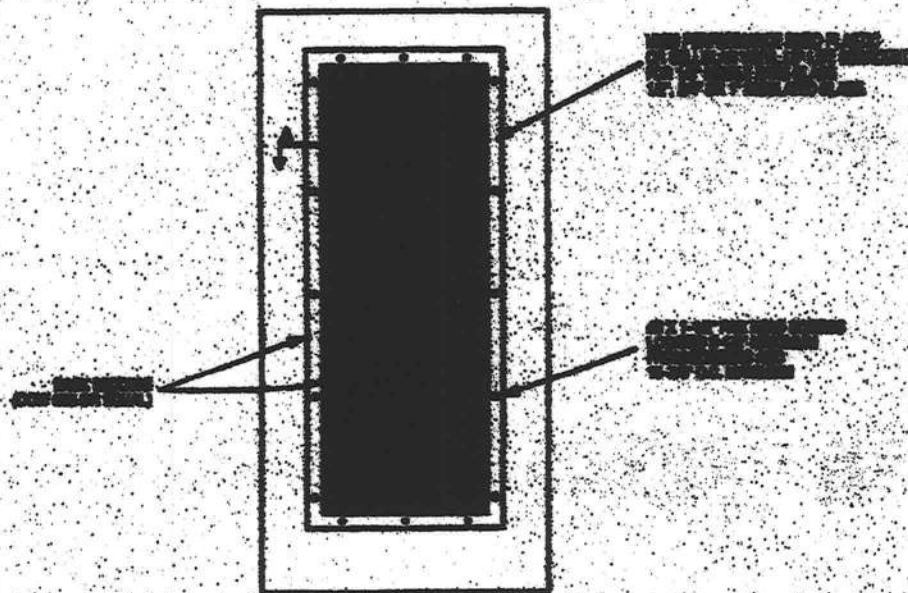


OF THE 1911 AT A DISTANCE OF 100 YARDS.
AS FOR THE UPPER THREE SURVIVING STEEL JOBS BRACKET'S, BRACKET'S SHALL
BE CENTERED BETWEEN THE TWO CLOSEST TWO JOBS ARCHERS. IF THE
STEEL JOBS BRACKET IS NOT CENTERED BETWEEN THE TWO CLOSEST TWO JOBS
STEEL JOBS BRACKET AND AN ANTIMONY. TWO JOBS BRACKET NEAR THAT STEEL
JOBS BRACKET TO MAKE THAT THE LINE FROM THE STEEL BRACKET IS EXACTLY
STEEL JOBS BRACKET IN TWO JOBS BRACKET AND ANTIMONY.

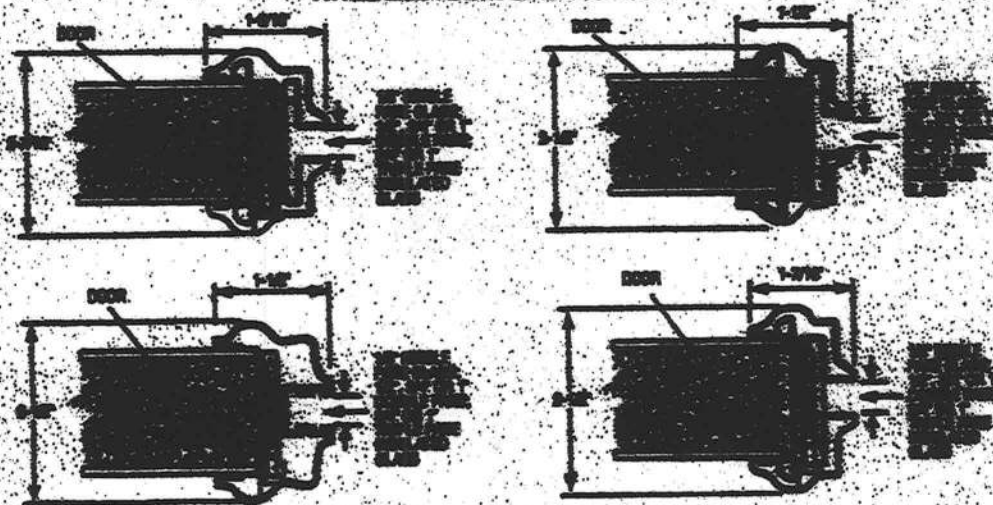


	CENTRAL AMERICAN INTER COMPANY 200 WEST 11TH ST. HONOLULU, H. ISLAND	
ORDER NO. 104-77 DATE 1-25-77	QUANTITY 10	ORDERED ON 10-4 REQUEST
GOES TO SENSITIVE ATTACHMENT FOR YOUR LOANER SERVICE, BUREAU		
1524	1524	1524

GLASS INSERT IN DOOR OR SIDELITE PANEL



SECTION A-A TYPICAL SLIDING GLASS LITE WINDOW



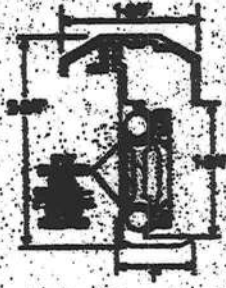
Model 10, 1000
For complete details of product requirements, visit our website.
Visit our website at www.masonite.com to learn more.



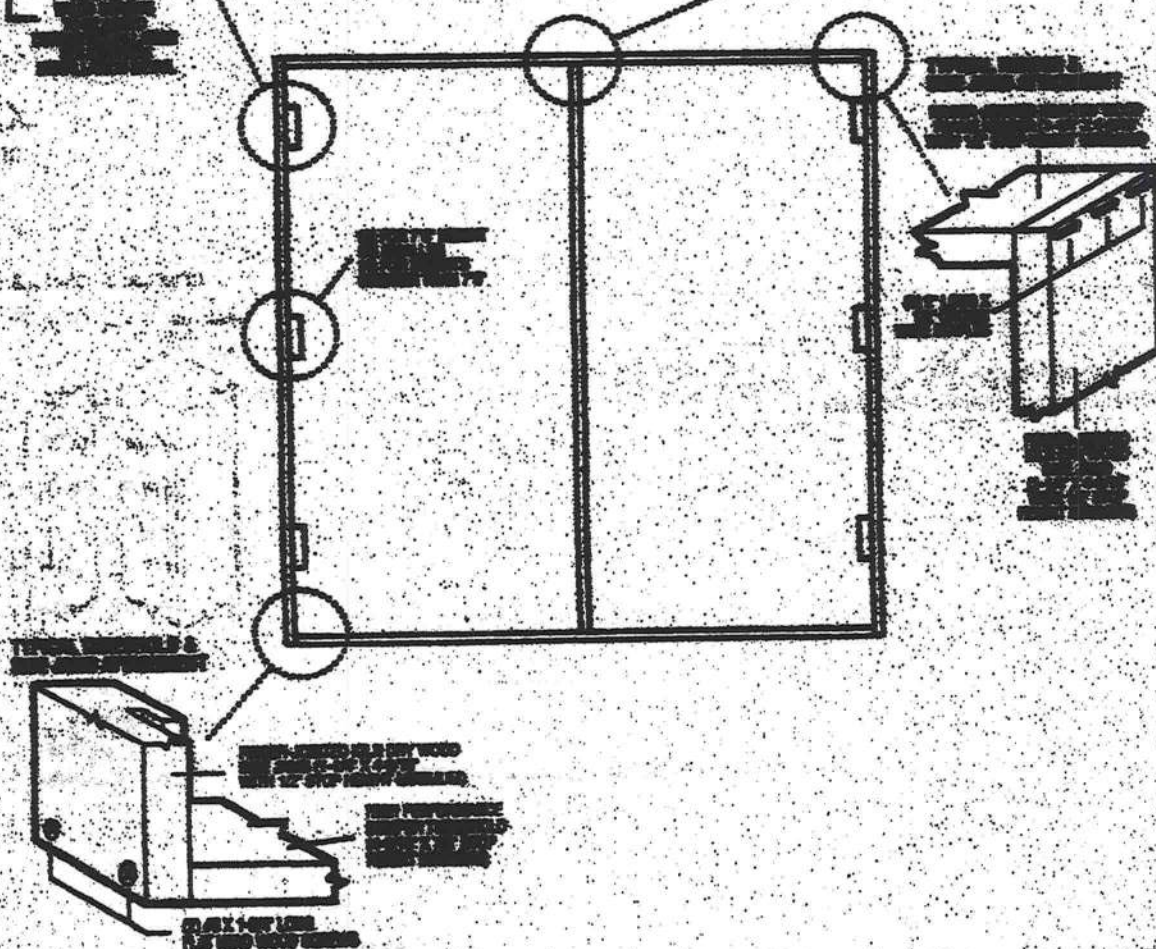
Manufactured by
Masonite
Masonite International Corporation

OUTSWING UNITS WITH DOUBLE DOOR

TYPICAL BUSINESS WORKS



[REDACTED]



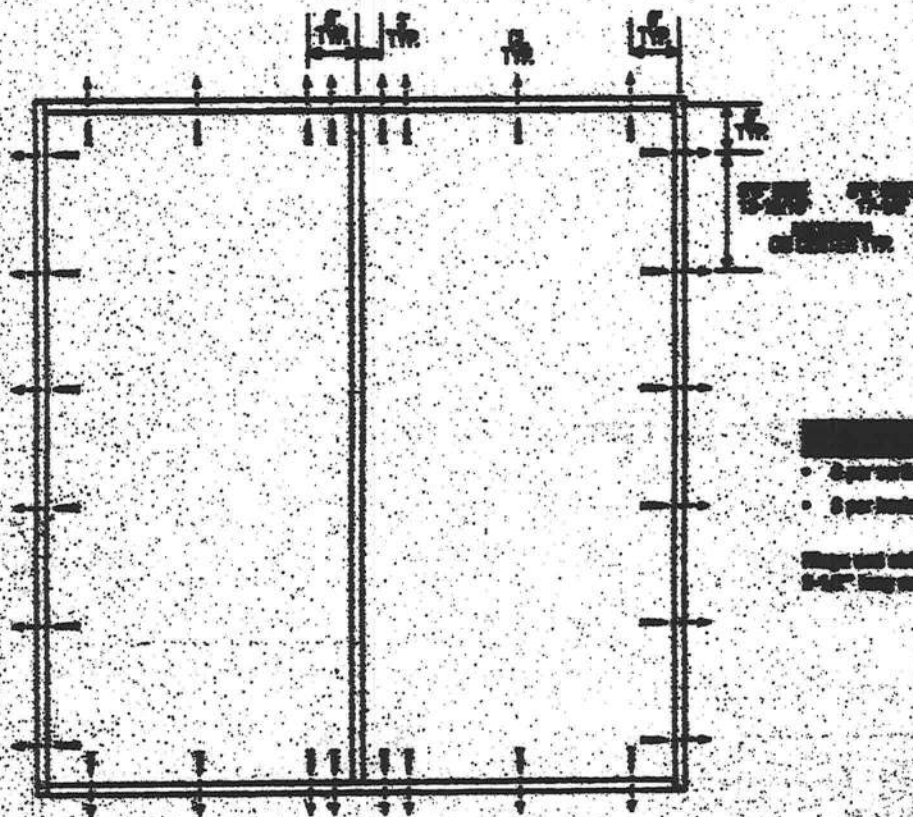
March 22, 1952
 [Redacted]
 [Redacted]



 **Masonite**
Masonite International Corporation

XX
Unit

DOUBLE DOOR



- 2 per vertical framing member
 - 2 per horizontal framing member
- Edge and end plate require two 1/4\"

Labeling Hardware:

- Compliance requires that GRADE 2 or better (ASTM A193, B) cylindrical and domed hardware be installed.

Notes:

1. Anchor calculations have been worked out with the lowest (best) fastener rating from the different fasteners being considered for use. Fasteners designed for this unit include J3 and J30 rated anchors or 3/16\"
2. The worst rated single shear design values come from Table T1.2A of AISC 358 & F1.55C for concrete plus header with a slab member (minimum of 1-1/4\"
3. Worst loads by others, must be reduced properly to transfer loads to the structure.

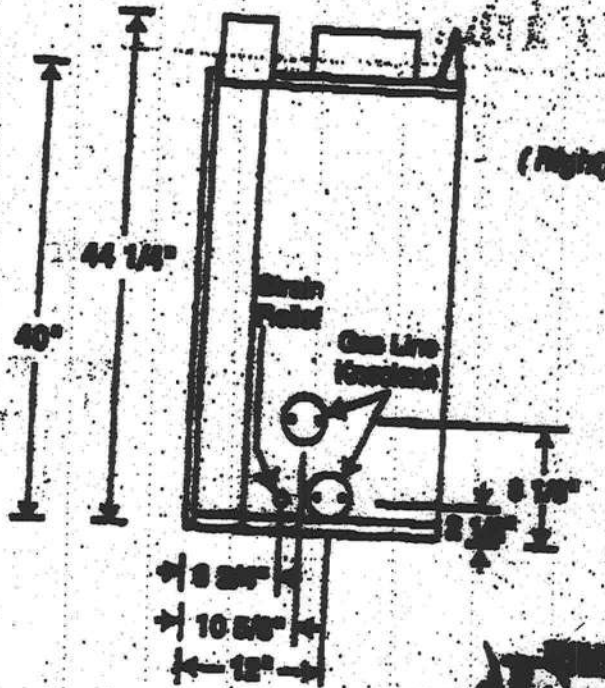
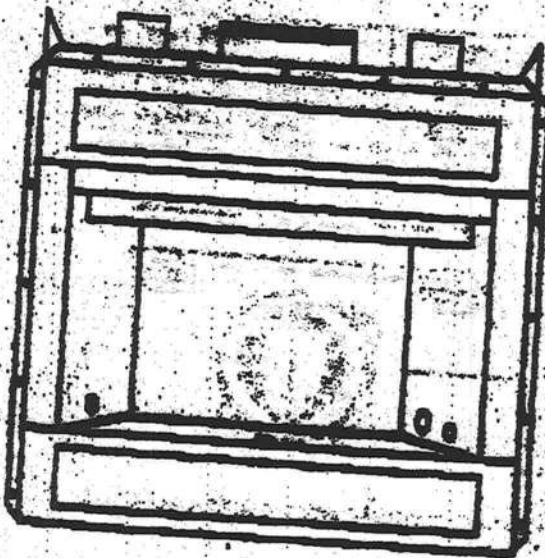
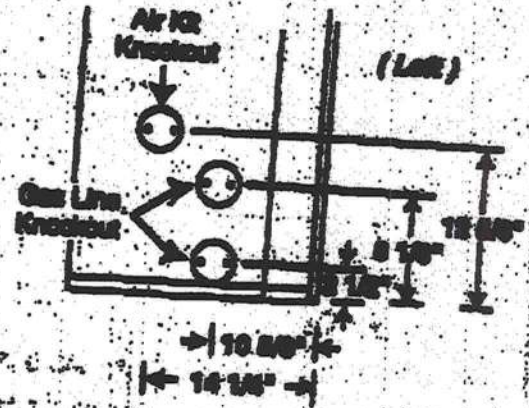
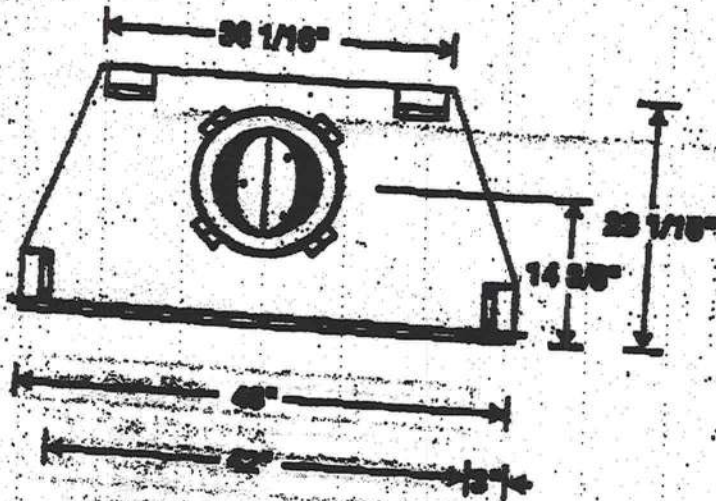
March 28, 2000
For information only - not for construction
This document is not to be used for construction



Craftsman

42" Woodburning Fireplace

Vent Pipe Size	10"
Min. Pipe Clearance	1"
Min. System Height	14' 6"
- w/ Single Offset	14' 6"
- w/ Two Offsets	22' 0"
Max. Dist. Between Elbows	6' 0"
Max. System Height	60' 0"





FEB - 4 2002

January 31, 2002

TO: OUR FLORIDA CUSTOMERS:

Effective February 1, 2002, the following TAMKO shingles, as manufactured at TAMKO's Tuscaloosa, Alabama, facility, comply with ASTM D-3161, Type I modified to 110 mph. Testing was conducted using four nails per shingle. These shingles also comply with Florida Building Code TAS 100 for wind driven rain.

- Glass-Seal AR
- Elite Glass-Seal AR
- ASTM Heritage 30 AR (formerly ASTM Heritage 25 AR)
- Heritage 40 AR (formerly Heritage 30 AR)
- Heritage 50 AR (formerly Heritage 40 AR)

All testing was performed by Florida State certified independent labs.

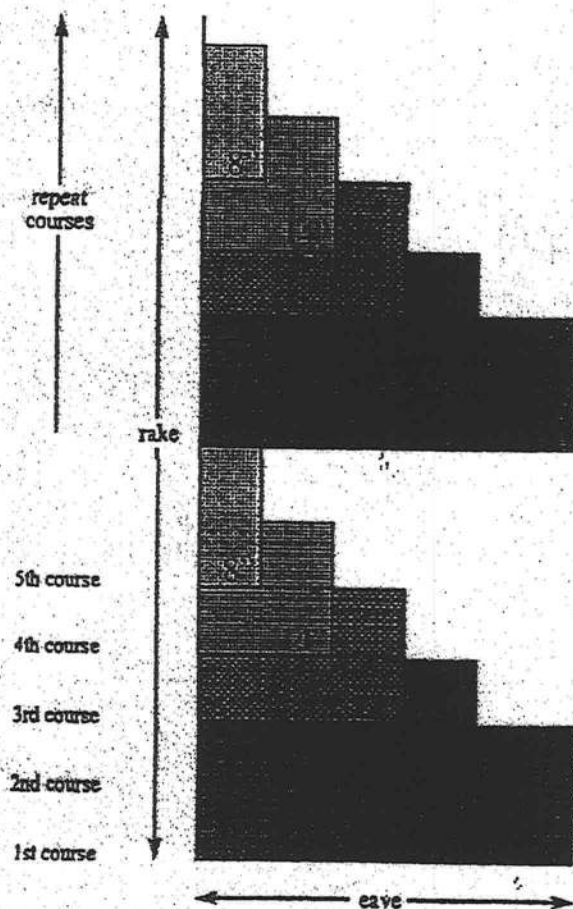
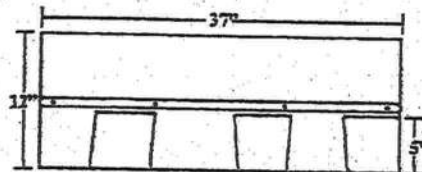
Please direct all questions to TAMKO's Technical Services Department at 1-800-641-4691.

TAMKO Roofing Products, Inc.

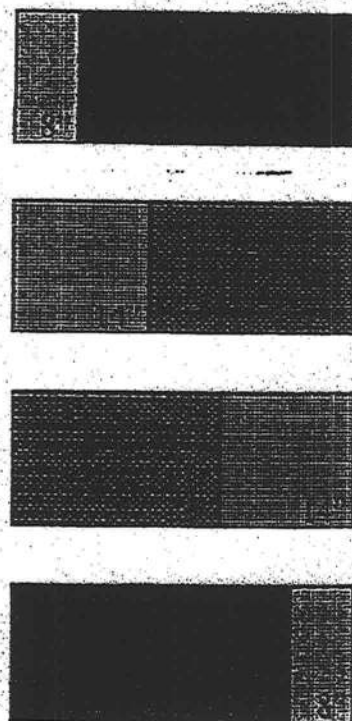


Application Instructions For Heritage® 25 Series Shingles

SPECIFICATIONS (APPROX.)	
Length	37"
Width	12"
Bundles per Sq.	3
Shingles per Sq.	78
Shingles per Bundle	26
Coverage per Sq. (Sq. Ft.)	100
Exposure	5"



The 4 cuts in the first 10 courses:



In the first 10 courses, there are 4 cuts and no waste.

When you reach the other side of the roof, whatever has to be trimmed off can be used in the field of roofing.

For additional application information consult the application instructions printed on the product package.

NOTE: These application instructions apply only to Heritage 25 and Heritage 25 AR shingles.



Application Instructions for

- Glass-Seal
 - Glass-Seal AR
 - Elite Glass-Seal®
 - Elite Glass-Seal® AR
- ### THREE-TAB ASPHALT SHINGLES

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO ROOFING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS.

THIS PRODUCT IS COVERED BY A LIMITED WARRANTY, THE TERMS OF WHICH ARE PRINTED ON THE WRAPPER. IN COLD WEATHER (BELOW 40°F), CARE MUST BE TAKEN TO AVOID DAMAGE TO THE EDGES AND CORNERS OF THE SHINGLES.

IMPORTANT: It is not necessary to remove the plastic strip from the back of the shingles.

1. ROOF DECK

These shingles are for application to roof decks capable of receiving and retaining fasteners, and to inclines of not less than 2 in. per foot. For roofs having pitches 2 in. per foot to less than 4 in. per foot, refer to special instructions titled "Low Slope Application". Shingles must be applied properly. TAMKO assumes no responsibility for leaks or defects resulting from improper application, or failure to properly prepare the surface to be roofed over.

NEW ROOF DECK CONSTRUCTION: Roof deck must be smooth, dry and free from warped surfaces. It is recommended that metal drip edges be installed at eaves and rakes.

PLYWOOD: All plywood shall be exterior grade as defined by the American Plywood Association. Plywood shall be a minimum of 3/8 in. thickness and applied in accordance with the recommendations of the American Plywood Association.

SHEATHING BOARDS: Boards shall be well-seasoned tongue-and-groove boards and not over 6 in. nominal width. Boards shall be a 1 in. nominal minimum thickness. Boards shall be properly spaced and nailed.

2. VENTILATION

Inadequate ventilation of attic spaces can cause accumulation of moisture in winter months and a build up of heat in the summer. These conditions can lead to:

1. Vapor Condensation
2. Buckling of shingles due to deck movement
3. Rotting of wood members.
4. Premature failure of roof.

To insure adequate ventilation and circulation of air, place louvers of sufficient size high in the gable ends and/or install continuous ridge and soffit vents.

FHA minimum property standards require one square foot of net free ventilation area to each 150 square feet of space to be vented, or one square foot per 300 square feet if a vapor barrier is installed on the warm side of the ceiling or if at least one half of the ventilation is provided near the ridge. If the ventilation openings are screened, the total area should be doubled.

IT IS PARTICULARLY IMPORTANT TO PROVIDE ADEQUATE VENTILATION.

3. FASTENING

NAILS: TAMKO recommends the use of nails as the preferred method of application.

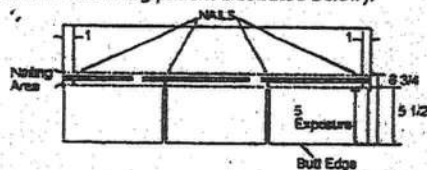
WIND CAUTION: Extreme wind velocities can damage these shingles after application when proper sealing of the shingles does not occur. This can especially be a problem if the shingles are applied in cooler months or in areas on the roof that do not receive direct sunlight. These

conditions may impede the sealing of the adhesive strips on the shingles. The inability to seal down may be compounded by prolonged cold weather conditions and/or blowing dust. In these situations, hand sealing of the shingles is recommended. Shingles must also be fastened according to the fastening instructions described below.

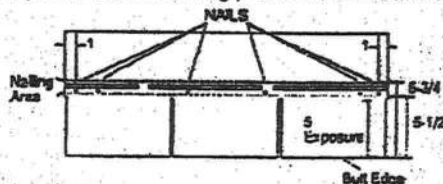
Correct placement of the fasteners is critical to the performance of the shingle. If the fasteners are not placed as shown in the diagram and described below, TAMKO will not be responsible for any shingles blown off or displaced. TAMKO will not be responsible for damage to shingles caused by winds or gusts exceeding gale force. Gale force shall be the standard as defined by the U.S. Weather Bureau.

FASTENING PATTERNS: Fasteners must be placed above or below the factory applied sealant in an area between 5-1/2" and 6-3/4" from the butt edge of the shingle. Fasteners should be located horizontally according to the diagram below. Do not nail into the sealant. TAMKO recommends nailing below the sealant whenever possible for greater wind resistance.

1) Standard Fastening Pattern. (For use on decks with slopes 2 in. per foot to 21 in. per foot.) One fastener 1 in. back from each end and one 12 in. back from each end of the shingle for a total of 4 fasteners. (See standard fastening pattern illustrated below.)



2) Mansard or High Wind Fastening Pattern. (For use on decks with slopes greater than 21 in. per foot.) One fastener 1 in. back from each end and one fastener 10-1/2 in. back from each end and one fastener 13-1/2 in. back from each end for a total of 6 fastener per shingle. (See Mansard fastening pattern illustrated below.)



NAILS: TAMKO recommends the use of nails as the preferred method of application. Standard type roofing nails should be used. Nail shanks should be made of minimum 12-gauge wire, and a minimum head diameter of 3/8 in. Nails should be long enough to penetrate 3/4 in.

(Continued)

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www.tamko.com

Central District	220 West 4th St., Joplin, MO 64801	800-641-4691
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Southwest District	7910 S. Central Exp., Dallas, TX 75216	800-443-1834
Western District	5300 East 43rd Ave., Denver, CO 80216	800-530-8868

07/01

TAMKO

ROOFING PRODUCTS

(CONTINUED from Pg. 2)

- Glass-Seal
- Glass-Seal AR

- Elite Glass-Seal®
- Elite Glass-Seal® AR

THREE-TAB ASPHALT SHINGLES

with quick setting asphalt adhesive cement immediately upon installation. Spots of cement must be equivalent in size to a \$.25 piece and applied to shingles with a 5 in. exposure, use 6 fasteners per shingle. See Section 3 for the Mansard Fastening Pattern.

5. RE-ROOFING

Before re-roofing, be certain to inspect the roof decks. All plywood shall meet the requirements listed in Section 1.

Nail down or remove curled or broken shingles from the existing roof. Replace all missing shingles with new ones to provide a smooth base. Shingles that are buckled usually indicate warped decking or protruding nails. Hammer down all protruding nails or remove them and refasten in a new location. Remove all drip edge metal and replace with new.

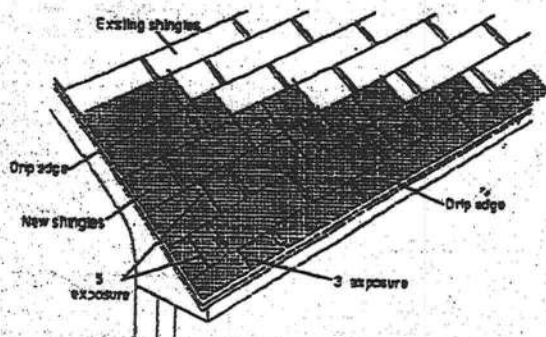
If re-roofing over an existing roof where new flashing is required to protect against ice dams (freeze/thaw cycle of water and/or the backup of water in frozen or clogged gutters), remove the old roofing to a point at least 24 in. beyond the interior wall line and apply TAMKO's Moisture Guard Plus® waterproofing underlayment. Contact TAMKO's Technical Services Department for more information.

The nesting procedure described below is the preferred method for re-roofing over square tab strip shingles with a 5 in. exposure.

Starter Course: Begin by using TAMKO Shingle Starter or by cutting shingles into 5 x 36 inch strips. This is done by removing the 5 in. tabs from the bottom and approximately 2 in. from the top of the shingles so that the remaining portion is the same width as the exposure of the old shingles. Apply the starter piece so that the self-sealing adhesive lies along the eaves and is even with the existing roof. The starter strip should be wide enough to overhang the eaves and carry water into the gutter. Remove 3 in. from the length of the first starter shingle to ensure that the joints from the old roof do not align with the new.

First Course: Cut off approximately 2 in. from the bottom edge of the shingles so that the shingles fit beneath the existing third course and align with the edge of the starter strip. Start the first course with a full 36 in. long shingle and fasten according to the instructions printed in Section 3.

Second and Succeeding Courses: According to the off-set application method you choose to use, remove the appropriate length from the



rake end of the first shingle in each succeeding course. Place the top edge of the new shingle against the butt edge of the old shingles in the courses above. The full width shingle used on the second course will reduce the exposure of the first course to 3 in. The remaining courses will automatically have a 5 in. exposure.

6. VALLEY APPLICATION

Over the shingle underlayment, center a 36 in. wide sheet of TAMKO Nail-Fast® or a minimum 50 lb. roll roofing in the valley. Nail the felt only where necessary to hold it in place and then only nail the outside edges.

IMPORTANT: PRIOR TO INSTALLATION WARM SHINGLES TO PREVENT DAMAGE WHICH CAN OCCUR WHILE BENDING SHINGLES TO FORM VALLEY.

- Apply the first course of shingles along the eaves of one of the intersecting roof planes and across the valley.

Note: For proper flow of water over the trimmed shingle, always start applying the shingles on the roof plane that has the lower slope or less height.

- Extend the end shingle at least 12 in. onto the adjoining roof. Apply succeeding courses in the same manner, extending them across the valley and onto the adjoining roof.
- Do not trim if the shingle length exceeds 12 in. Lengths should vary.
- Press the shingles tightly into the valley.
- Use normal shingle fastening methods.

Note: No fastener should be within 6 in. of the valley centerline, and two fasteners should be placed at the end of each shingle crossing the valley.

- To the adjoining roof plane, apply one row of shingles extending it over previously applied shingles and trim a minimum of 2 in. back from the centerline of the valley.

Note: For a neater installation, snap a chalkline over the shingles for guidance.

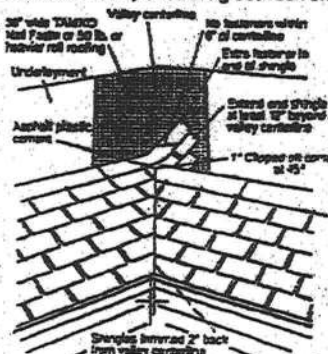
- Clip the upper corner of each shingle at a 45-degree angle and embed the end of the shingle in a 3 in. wide strip of asphalt plastic cement. This will prevent water from penetrating between the courses by directing it into the valley.

CAUTION:

Adhesive must be applied in smooth, thin, even layers.

Excessive use of adhesive will cause blistering to this product.

TAMKO assumes no responsibility for blistering.



(Continued)

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www.tamko.com

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07/01



(CONTINUED from Pg. 3)

• Glass-Seal
• Glass-Seal AR

• Elite Glass-Seal®
• Elite Glass-Seal® AR

THREE-TAB ASPHALT SHINGLES

FOR ALTERNATE VALLEY APPLICATION METHODS, PLEASE CONTACT TAMKO'S TECHNICAL SERVICES DEPARTMENT.

10. HIP AND RIDGE FASTENING DETAIL

Apply the shingles with a 5 in. exposure beginning at the bottom of the hip or from the end of the ridge opposite the direction of the prevailing winds. Secure each shingle with one fastener 5-1/2 in. back from the exposed end and 1 in. up from the edge. Do not nail directly into the sealant.

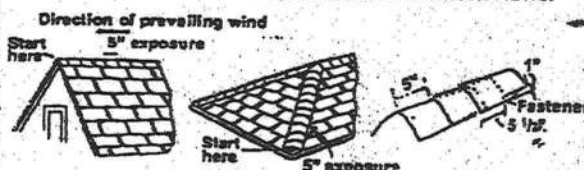
TAMKO recommends the use of TAMKO Hip & Ridge shingle products. Where matching colors are available, it is acceptable to use TAMKO's Glass-Seal or Elite Glass-Seal shingles cut down to 12 in. pieces.

NOTE: AR type shingle products should be used as Hip & Ridge on Glass-Seal AR and Elite Glass-Seal AR shingles.

Fasteners should be 1/4 in. longer than the one used for shingles.

IMPORTANT: PRIOR TO INSTALLATION, CARE NEEDS TO BE TAKEN TO PREVENT DAMAGE WHICH CAN OCCUR WHILE BENDING SHINGLES IN COOL WEATHER.

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO ROOFING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS.



THIS PRODUCT IS COVERED BY A LIMITED WARRANTY. THE TERMS OF WHICH ARE PRINTED ON THE WRAPPER.

IMPORTANT - READ CAREFULLY BEFORE OPENING BUNDLE

In this paragraph "You" and "Your" refer to the installer of the shingles and the owner of the building on which these shingles will be installed. This is a legally binding agreement between You and TAMKO Roofing Products, Inc. ("TAMKO"). By opening this bundle You agree: (a) to install the shingles strictly in accordance with the instructions printed on this wrapper; or (b) that shingles which are not installed strictly in accordance with the instructions printed on this wrapper are sold "AS IS" and are not covered by the limited warranty that is also printed on this wrapper, or any other warranty, including, but not limited to (except where prohibited by law) implied warranties of MERCHANTABILITY and FITNESS FOR USE.

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www.tamko.com

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800-368-2055
800-228-2656
800-443-1834
800-530-8868

07/01

Architectural Testing

AAMA/NWWDA 101/LS-2-97 TEST REPORT

Rendered to

MI HOME PRODUCTS, INC.
650 West Market Street
P.O. Box 370
Gratz, Pennsylvania 17030-0370

Report No: 01-41134.01
Test Date: 03/07/02
Report Date: 03/26/02
Expiration Date: 03/07/06

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to perform tests on Series/Model 650 Fin, aluminum single hung window at their facility located in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for a H-R40 52 x 72 rating.

Test Specification: The test specimen was evaluated in accordance with AAMA/NWWDA 101/LS-2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors*.

Test Specimen Description

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

Overall Size: 4' 4-1/4" wide by 6' 0-3/8" high

Active Sash Size: 4' 1-3/4" wide by 3' 0-5/8" high

Daylight Opening Size: 3' 11-3/8" wide by 2' 9-1/2" high

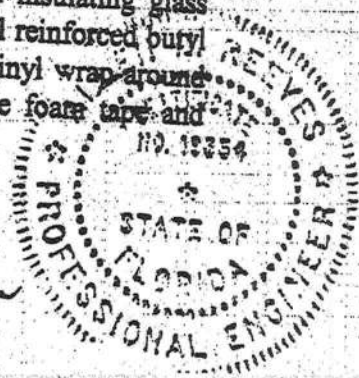
Screen Size: 4' 0-1/4" wide by 2' 11-1/8" high

Finish: All aluminum was white.

Glazing Details: The active and fixed lites utilized 5/8" thick, sealed insulating glass constructed from two sheets of 1/8" thick, clear annealed glass and a metal reinforced butyl spacer system. The active sash was channel glazed utilizing a flexible vinyl wrap around gasket. The fixed lite was interior glazed against double-sided adhesive foam tape and secured with PVC snap-in glazing beads.

130 Derry Court
York, PA 17402-9405
phone: 717.764.7700
fax: 717.764.4129
www.archtest.com

Allen M. Reimer
1 APRIL 2002



Test Specimen Description: (Continued)**Weatherstripping:**

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
0.230" high by 0.270" backed polypile with center fin	1 Row	Fixed meeting rail
0.250" high by 0.187" backed polypile with center fin	2 Rows	Active sash stiles
1/2" x 1/2" dust plug	4 Pieces	Active sash, top and bottom of stiles
1/4" foam-filled vinyl bulb seal	1 Row	Active sash, bottom rail

Frame Construction: The frame was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1" screws through the head and sill into each jamb screw boss. End caps were utilized on the ends of the fixed meeting rail and secured with two 1-1/4" screws per cap. Meeting rail was secured to the frame utilizing two 1-1/4" screws.

Sash Construction: The sash was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1-1/2" screws through the rails into each jamb screw boss.

Screen Construction: The screen was constructed from roll-formed aluminum with keyed corners. The fiberglass mesh was secured with a flexible spline.

Hardware:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Metal cam lock with keeper		Midspan, active meeting rail with keeper adjacent on fixed meeting rail
Plastic tilt latch	2	Active sash, meeting rail ends
Metal tilt pin	2	Active sash, bottom rail ends
Balance assembly	2	One in each jamb
Screen plunger	2	4" from rail ends on top rail

Allen H. Reeves
1 APRIL 2002



Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

Installation: The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood test buck with #8 x 1-5/8" drywall screws every 8" on center around the nail fin. Polyurethane was used as a sealant under the nail fin and around the exterior perimeter.

Test Results:

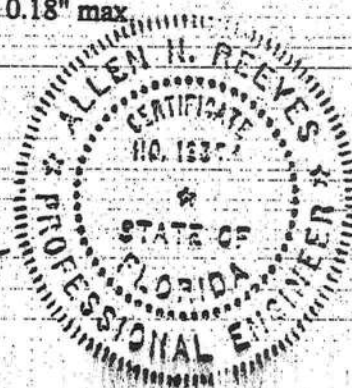
The results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.1	Operating Force	11 lbs	30 lbs max
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.13 cfm/ft ²	0.3 cfm/ft ² max
<i>Note #1: The tested specimen meets the performance levels specified in AAMA/NWDA 101/H.S. 2-97 for air infiltration.</i>			
	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds) @ 25.9 psf (positive) @ 34.7 psf (negative)	0.42"* 0.43"*	0.26" max. 0.26" max.

**Exceeds L/175 for deflection, but passes all other test requirements.*

2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds) @ 38.9 psf (positive) @ 52.1 psf (negative)	0.02" 0.02"	0.18" max. 0.18" max.
---------	---	----------------	--------------------------

Allen H. Reeves
1 APRIL 2002



Test Specimen Description: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.2	Deglazing Test (ASTM E 987) In operating direction at 70 lbs		
	Meeting rail	0.12"/25%	0.50"/100%
	Bottom rail	0.12"/25%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.06"/12%	0.50"/100%
	Right stile	0.06"/12%	0.50"/100%
	Forced Entry Resistance (ASTM F 588-97)		
	Type: A		
	Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Tests A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry

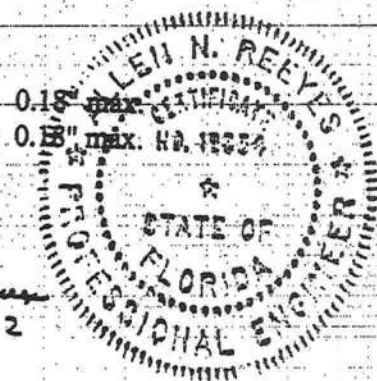
Optional Performance

4.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 6.00 psf	No leakage	No leakage
	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds)		
	@ 45.0 psf (positive)	0.47"	0.26" max.
	@ 47.2 psf (negative)	0.46"	0.26" max.

**Exceeds L/175 for deflection, but passes all other test requirements.*

Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)		
@ 67.5 psf (positive)	0.05"	0.18" max.
@ 70.8 psf (negative)	0.05"	0.18" max.

Allen N. Reeves
1 APRIL 2002



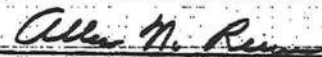
Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator.

For ARCHITECTURAL TESTING, INC:



Mark A. Hess
Technician

MAH:mb
01-41134.01



Allen N. Reeves, P.E.
Director - Engineering Services
1 APRIL 2002



Residential System Sizing Calculation

Summary

Spec House

Lake City, FL 32025-

Project Title:
Seth Heitzman Construction

Class 3 Rating
Registration No. 0
Climate: North

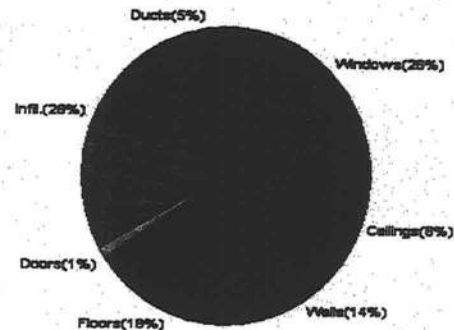
8/29/2005

Location for weather data: Gainesville - User customized: Latitude(29) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(51gr.)			
Winter design temperature	31 F	Summer design temperature	99 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	39 F	Summer temperature difference	24 F
Total heating load calculation	48136 Btuh	Total cooling load calculation	59443 Btuh
Submitted heating capacity	57000 Btuh	Submitted cooling capacity	57000 Btuh
Submitted as % of calculated	118.4 %	Submitted as % of calculated	95.9 %

WINTER CALCULATIONS

Winter Heating Load (for 2629 sqft)

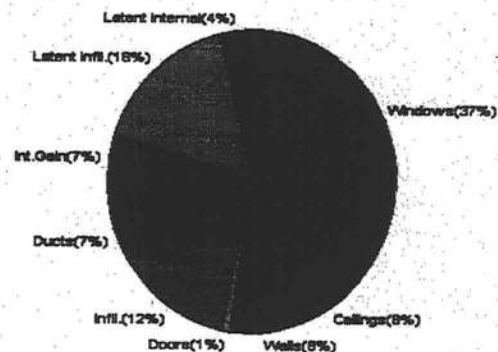
Load component		Load	
Window total	448 sqft	12678	Btuh
Wall total	2252 sqft	6606	Btuh
Floor total	38 sqft	536	Btuh
Ceiling total	2829 sqft	3678	Btuh
Floor total	278 ft	8785	Btuh
Infiltration	316 cfm	13561	Btuh
Subtotal		45844	Btuh
Duct loss		2292	Btuh
TOTAL HEAT LOSS		48136	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2629 sqft)

Load component		Load	
Window total	448 sqft	21940	Btuh
Wall total	2252 sqft	4824	Btuh
Floor total	38 sqft	492	Btuh
Ceiling total	2829 sqft	4470	Btuh
Floor total		0	Btuh
Infiltration	277 cfm	7302	Btuh
Internal gain		4200	Btuh
Subtotal(sensible)		43228	Btuh
Duct gain		4323	Btuh
Total sensible gain		47551	Btuh
Latent gain(infiltration)		9592	Btuh
Latent gain(internal)		2300	Btuh
Total latent gain		11892	Btuh
TOTAL HEAT GAIN		59443	Btuh



EnergyGauge® System Sizing based on ACCA Manual J.
PREPARED BY: _____
DATE: _____

System Sizing Calculations - Winter

Residential Load - Component Details

Spec House

Lake City, FL 32025-

Project Title:
Seth Heitzman Construction

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (User customized) Winter Temperature Difference: 39.0 F

8/29/2005

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	W	16.0	28.3	453 Btuh
2	2, Clear, Metal, DEF	W	6.0	28.3	170 Btuh
3	2, Clear, Metal, DEF	NW	20.0	28.3	566 Btuh
4	2, Clear, Metal, DEF	W	34.0	28.3	962 Btuh
5	2, Clear, Metal, DEF	SW	20.0	28.3	566 Btuh
6	2, Clear, Metal, DEF	W	15.0	28.3	424 Btuh
7	2, Clear, Metal, DEF	S	42.0	28.3	1189 Btuh
8	2, Clear, Metal, DEF	W	56.0	28.3	1585 Btuh
9	2, Clear, Metal, DEF	W	30.0	28.3	849 Btuh
10	2, Clear, Metal, DEF	N	45.0	28.3	1274 Btuh
11	2, Clear, Metal, DEF	W	12.0	28.3	340 Btuh
12	2, Clear, Metal, DEF	E	51.0	28.3	1443 Btuh
13	2, Clear, Metal, DEF	E	22.0	28.3	623 Btuh
14	2, Clear, Metal, DEF	E	14.0	28.3	396 Btuh
15	2, Clear, Metal, DEF	E	15.0	28.3	424 Btuh
16	2, Clear, Metal, DEF	E	15.0	28.3	424 Btuh
17	2, Clear, Metal, DEF	S	15.0	28.3	424 Btuh
18	2, Clear, Metal, DEF	S	20.0	28.3	566 Btuh
Window Total			448		12678 Btuh
Walls					
	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	2002	3.1	6206 Btuh
2	Frame - Adjacent	13.0	250	1.6	400 Btuh
Wall Total			2252		6606 Btuh
Doors					
	Type		Area X	HTM=	Load
1	Insulated - Exter		20	18.3	367 Btuh
2	Insulated - Adjac		18	9.4	169 Btuh
Door Total			38		536 Btuh
Ceilings					
	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	2829	1.3	3678 Btuh
Ceiling Total			2829		3678 Btuh
Floors					
	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	278.0 ft(p)	31.6	8785 Btuh
Floor Total			278		8785 Btuh
Infiltration					
	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.80	23661(sqft)	316	13561 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				316	13561 Btuh

Totals for Heating	Subtotal	45844 Btuh
	Duct Loss(using duct multiplier of 0.05)	2292 Btuh
	Total Btuh Loss	48136 Btuh

EnergyGauge® FLR1PB v3.22

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House

Lake City, FL 32025-

Project Title:
Seth Heitzman Construction

Class 3 Rating
Registration No. 0
Climate: North

8/29/2005

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(Frame types - metal, wood or insulated metal)

(U - Window U-Factor or 'DEF' for default)

(HTM - ManualJ Heat Transfer Multiplier)

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

System Sizing Calculations - Summer

Residential Load - Component Details

Spec House

Project Title:
Seth Heitzman Construction

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL 32025-

Reference City: Gainesville (User customized) Summer Temperature Difference: 24.0 F 8/29/2005

Window	Type	Panels/SHGC/U/InSh/ExSh Ornt	Overhang		Window Area(sqft)			HTM		Load
			Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2, Clear, DEF, N, N	W	1.5	5	16.0	1.0	15.0	25	74	1136 Btuh
2	2, Clear, DEF, N, N	W	1.5	4	6.0	0.0	6.0	25	74	444 Btuh
3	2, Clear, DEF, N, N	NW	20.5	9.66	20.0	0.0	20.0	25	53	1060 Btuh
4	2, Clear, DEF, N, N	W	20.5	8	34.0	34.0	0.0	25	74	850 Btuh
5	2, Clear, DEF, N, N	SW	15.5	7.66	20.0	20.0	0.0	25	65	500 Btuh
6	2, Clear, DEF, N, N	W	15.5	8	15.0	15.0	0.0	25	74	375 Btuh
7	2, Clear, DEF, N, N	S	10.5	8	42.0	42.0	0.0	25	39	1050 Btuh
8	2, Clear, DEF, N, N	W	1.5	8	56.0	5.5	50.5	25	74	3877 Btuh
9	2, Clear, DEF, N, N	W	1.5	6	30.0	4.0	26.0	25	74	2026 Btuh
10	2, Clear, DEF, N, N	N	1.5	6	45.0	0.0	45.0	25	25	1125 Btuh
11	2, Clear, DEF, N, N	W	1.5	4	12.0	2.5	9.5	25	74	768 Btuh
12	2, Clear, DEF, N, N	E	1.5	8	51.0	2.8	48.2	25	74	3639 Btuh
13	2, Clear, DEF, N, N	E	9.5	9.66	22.0	13.6	8.4	25	74	959 Btuh
14	2, Clear, DEF, N, N	E	1.5	8	14.0	0.0	14.0	25	74	1036 Btuh
15	2, Clear, DEF, N, N	E	1.5	6	15.0	0.0	15.0	25	74	1110 Btuh
16	2, Clear, DEF, N, N	E	1.5	6	15.0	0.0	15.0	25	74	1110 Btuh
17	2, Clear, DEF, N, N	S	1.5	6	15.0	15.0	0.0	25	39	375 Btuh
18	2, Clear, DEF, N, N	S	1.5	6	20.0	20.0	0.0	25	39	500 Btuh
Window Total					448					21940 Btuh
Walls	Type	R-Value		Area		HTM		Load		
1	Frame - Exterior	13.0		2002.0		2.2		4444 Btuh		
2	Frame - Adjacent	13.0		250.0		1.5		380 Btuh		
Wall Total					2252.0			4824 Btuh		
Doors	Type			Area		HTM		Load		
1	Insulated - Exter			20.0		12.9		259 Btuh		
2	Insulated - Adjac			18.0		12.9		233 Btuh		
Door Total					38.0			492 Btuh		
Ceilings	Type/Color	R-Value		Area		HTM		Load		
1	Under Attic/Dark	30.0		2829.0		1.6		4470 Btuh		
Ceiling Total					2829.0			4470 Btuh		
Floors	Type	R-Value		Size		HTM		Load		
1	Slab-On-Grade Edge Insulation	0.0		278.0 ft(p)		0.0		0 Btuh		
Floor Total					278.0			0 Btuh		
Infiltration	Type	ACH		Volume		CFM=		Load		
	Natural	0.70		23661		276.6		7302 Btuh		
	Mechanical					0		0 Btuh		
Infiltration Total					277			7302 Btuh		
Internal gain	Occupants		Btuh/occupant		Appliance		Load			
	10		X 300 +		1200		4200 Btuh			

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House

Lake City, FL 32025-

Project Title:
Seth Heitzman Construction

Class 3 Rating
Registration No. 0
Climate: North

8/29/2005

Totals for Cooling	Subtotal	43228 Btuh
	Duct gain(using duct multiplier of 0.10)	4323 Btuh
	Total sensible gain	47551 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	9592 Btuh
	Latent occupant gain (10 people @ 230 Btuh per person)	2300 Btuh
	Latent other gain	0 Btuh
	TOTAL GAIN	59443 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds/Daperies(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Omt - compass orientation)

District No. 1 - Ronald Williams
District No. 2 - Dewey Weaver
District No. 3 - George Skinner
District No. 4 - Stephen E. Bailey
District No. 5 - Elizabeth Porter

BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY

December 29, 2006



TO: Columbia County Board of County Commissioners

FR: Laurie Hodson, Building & Zoning Office Manager 

RE: Permit refund

A refund of \$694.52, the permit fee, is requested for Seth Heitzman. Permit 24001 was originally pulled on December 30, 2005. The Building Department has done no inspections reference to this permit. Please see the attached letter of explanation from contractor.

Fee paid by check # 1887, for a total amount of \$769.52, receipt # 24001. Only \$694.52 of the permit fees are refundable. This is not including the flood zone fee and the zoning fee for a total of \$75.00, which is work the Building Department staff has performed in reference to the permit.

The fee was deposited into account: MSBU – Permits - 322.100

Payable to: Seth Heitzman
PO Box 3642
Lake City, FL 32056
386-719-3887

XC: Lisa Roberts
Permit file

BOARD MEETS FIRST THURSDAY AT 7:00 P.M.
AND THIRD THURSDAY AT 7:00 P.M.

8/17/06

Seth Heitzman Construction ,Inc.

CBC1251065

QB28147

P.O. Box 3642

Lake City, FL. 32056

(386)-719-3887

To: The Columbia County Building Dept./ County
Commissioners

This is a request for refund of my original permit for Lot 30
Spring Hollow Per#24001. I am putting a smaller house on
the lot because of the slop on the lot.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Seth Heitzman', with a stylized flourish extending to the right.

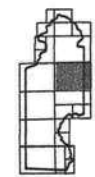
Seth Heitzman
Owner/President

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT Version 1.0. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. Further information about National Flood Insurance Program flood hazard maps is available at www.fema.gov/nifmap.

Federal Emergency Management Agency



COMMUNITY-PANEL NUMBER
120070 0175 B
EFFECTIVE DATE:
JANUARY 6, 1988



PANEL LOCATION

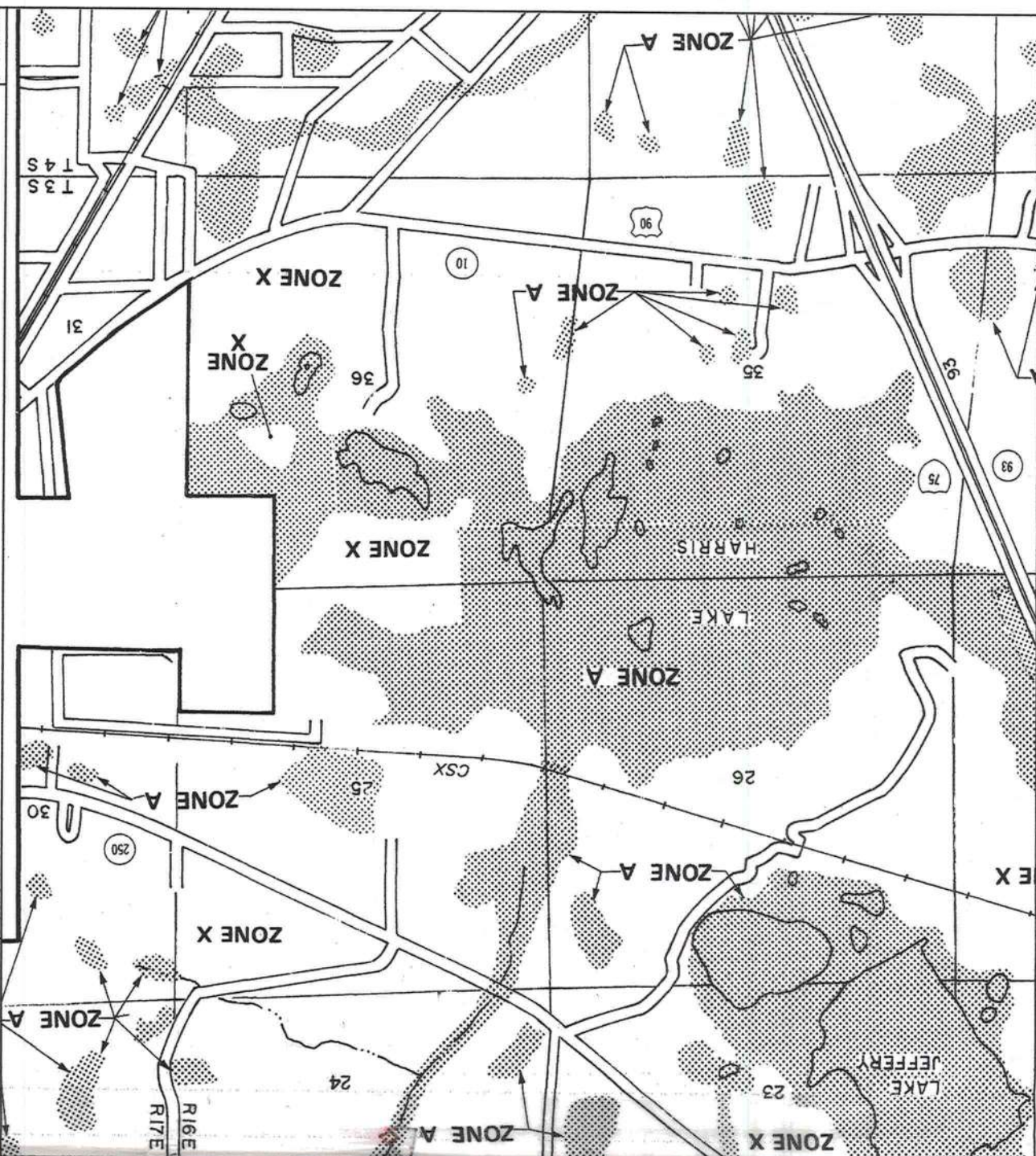
PANEL 175 OF 290

COLUMBIA
COUNTY,
FLORIDA
(UNINCORPORATED AREAS)

FIRM
FLOOD INSURANCE RATE MAP

NATIONAL FLOOD INSURANCE PROGRAM

APPROXIMATE SCALE IN FEET
0 2000

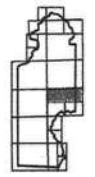


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Federal Emergency Management Agency



COMMUNITY-PANEL NUMBER
120070 0125 B
EFFECTIVE DATE:
JANUARY 6, 1988



PANEL LOCATION

PANEL 125 OF 290

COLUMBIA
COUNTY,
FLORIDA
(UNINCORPORATED AREAS)

FIRM
FLOOD INSURANCE RATE MAP

NATIONAL FLOOD INSURANCE PROGRAM

APPROXIMATE SCALE IN FEET
0 2000

