

This Permit Expires One Year From the Date of Issue

APPLICANTSETH HEITZMANPHONE719.3887

ADDRESSPOB 3642LAKE CITYFL32056

OWNERSETH HEITZMAN CONSTRUCTIONPHONE719.3887

ADDRESS202SW MORNING GLORY DRIVELAKE CITYFL32024

CONTRACTORSETH HEITZMANPHONE719.3887

LOCATION OF PROPERTY90-W TO C-341,TL TO HOPE HENRY RD,TR TO ROLLING MEADOWS S.D
TL TO MORNING GLORY DR,AND IT'S TH 5TH LOT ON R.

TYPE DEVELOPMENTSFD/UTILITYESTIMATED COST OF CONSTRUCTION99300.00

HEATED FLOOR AREAS1986.00TOTAL AREAS3017.00HEIGHT24.00STORIES1

FOUNDATIONCONCWALLSFRAMEDROOF PITCH8'12FLOORCONC

LAND USE & ZONINGRSF-2MAX. HEIGHT35

Minimum Set Back Requirments:STREET-FRONT25.00REAR15.00SIDE10.00

NO. EX.D.U.0FLOOD ZONEXPPDEVELOPMENT PERMIT NO.

PARCEL ID15-4S-16-03023-555SUBDIVISIONROLLING MEADOWS

LOT55BLOCKPHASEUNITTOTAL ACRES0.50

000000989CBC125106

Culvert Permit No.Culvert WaiverContractor's License NumberApplicant/Owner/Contractor

18"X32'MITERED06-0121-NBLKJTHN

Driveway ConnectionSeptic Tank NumberLU & Zoning checked byApproved for IssuanceNew Resident

COMMENTS: NOC ON FILE. PLAT REQUIRES M.F.E. OF 107.0'. ELEVATION LETTER REQUIRED

Check # or Cash1975

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary PowerFoundationMonolithic

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

Under slab rough-in plumbingSlabSheathing/Nailing

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

FramingRough-in plumbing above slab and below wood floor

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

Electrical rough-inHeat & Air DuctPeri. beam (Lintel)

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

Permanent powerC.O. FinalCulvert

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

M/H tie downs, blocking, electricity and plumbingPool

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

ReconnectionPump poleUtility Pole

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

M/H PoleTravel TrailerRe-roof

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

BUILDING PERMIT FEE \$500.00CERTIFICATION FEE \$15.09SURCHARGE FEE \$15.09

MISC. FEES \$0.00ZONING CERT. FEE \$50.00FIRE FEE \$0.00WASTE FEE \$

FLOOD DEVELOPMENT FEE \$FLOOD ZONE FEE \$25.00CULVERT FEE \$25.00TOTAL FEE630.18

INSPECTORS OFFICECLERKS 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.

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0602-26 Date Received 2/8 By JW Permit # 989/24183
 Application Approved by - Zoning Official BLK Date 15.02.06 Plans Examiner OK JTH Date 2-13-05
 Flood Zone X Per Plat Development Permit N/A Zoning RSF-2 Land Use Plan Map Category RES. Low Dev.
 Comments E Plat Requires M.F.E. of 107 St. Elevation Letter Required

Applicants Name SETH HEITZMAN Phone 867.1295
 Address 387 SW Kemp Ct Lake City, FL 32024
 Owners Name Seth Heitzman Construction Phone 867-1295 719-3887
 911 Address 202 SW Morning Glory Dr Lake City, FL 32024
 Contractors Name Seth Heitzman Construction Phone 867-1295
 Address 3642 Lake City, FL 32056
 Fee Simple Owner Name & Address NA
 Bonding Co. Name & Address NA
 Architect/Engineer Name & Address Will Myers / Mark Disasway
 Mortgage Lenders Name & Address Peoples State Bank 350 SW Main Blvd Lake City, FL 32025
 Circle the correct power company FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number 15-45-16-03023-555 Estimated Cost of Construction \$165,000
 Subdivision Name Rolling Meadows Lot 55 Block Unit Phase
 Driving Directions 90 W Turn left on Sisters Welcome. Turn right on Hope Henry. Turn left into Rolling Meadows (Morning Glory dr) 5th lot on right.

Type of Construction SFD Number of Existing Dwellings on Property 0
 Total Acreage .50 Lot Size Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 50' Side 34.7' Side 34.7' Rear 60.8'
 Total Building Height 84' Number of Stories 1 Heated Floor Area 1986 Roof Pitch 8/12
PORCHES 364 GARAGE 515 TOTAL 3017

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

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

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

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

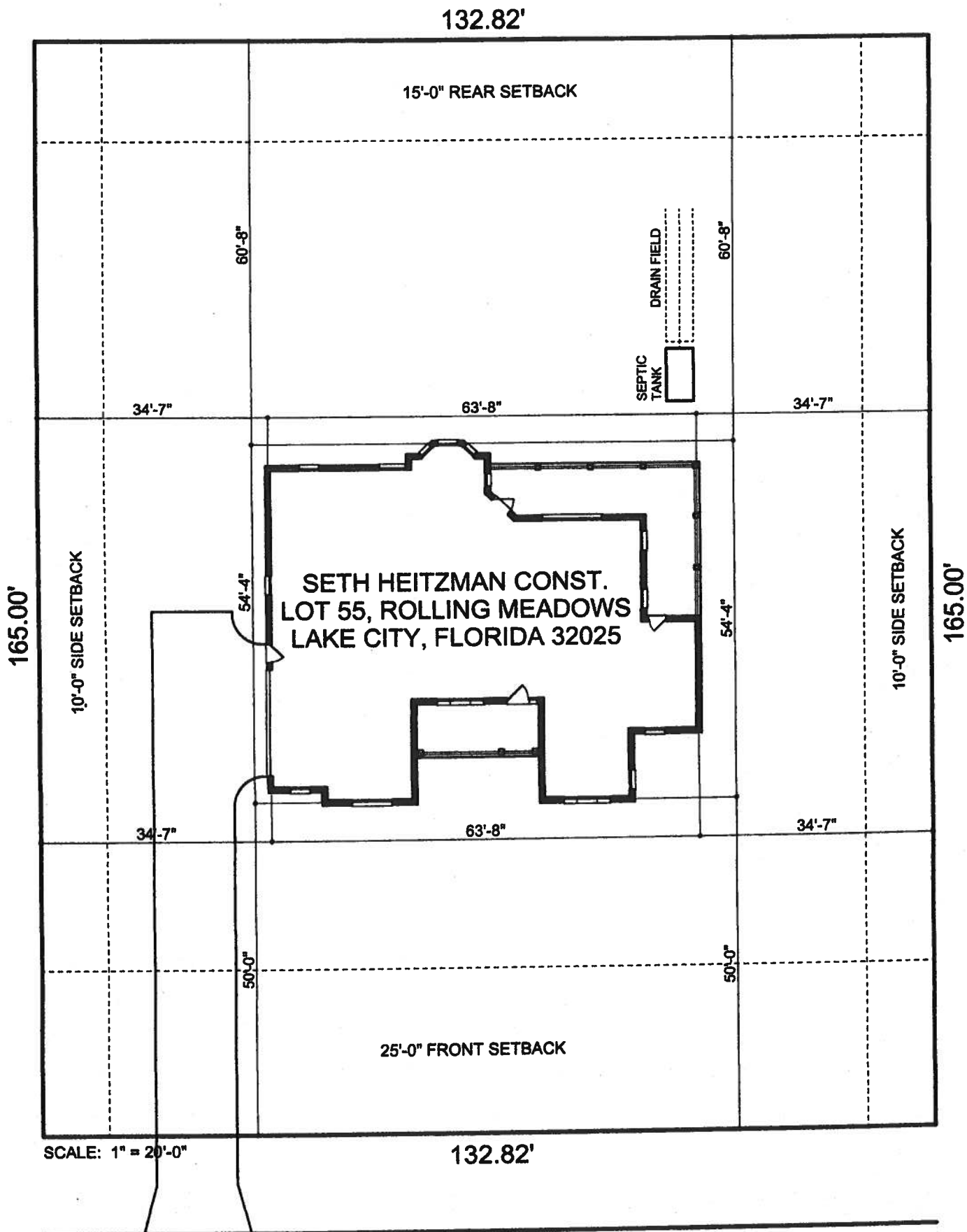


STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
 this 8th day of Feb 20 06.
 Personally known ✓ or Produced Identification

Contractor Signature [Signature]
 Contractors License Number CBC1251065
 Competency Card Number
 NOTARY STAMP/SEAL

Notary Signature [Signature]



SW MORNING GLORY DRIVE

THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID 05-955
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

RETURN TO:

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

Inst:2005031030 Date:12/15/2005 Time:16:09
Doc Stamp-Deed : 315.00

DC, P. Dewitt Cason, Columbia County B:1068 P:774

Property Appraiser's
Identification Number Part of R03023-005

WARRANTY DEED

This Warranty Deed, made this 15th day of December, 2005, BETWEEN MILESTONE HS, LLC, A Florida Limited Liability Company, whose post office address is Post Office Box 3001, Lake City, FL 32056, 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 32056, 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 55, ROLLING MEADOWS, a subdivision according to the plat thereof as recorded in Plat Book 8, Pages 45 and 46 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:

[Signature]
(Signature of First Witness)
Terry McDavid

(Typed Name of First Witness)

[Signature]
(Signature of Second Witness)
Crystal L. Brunner

(Typed Name of Second Witness)

MILESTONE HS, LLC, A Florida
Limited Liability Company

[Signature] (SEAL)

Grantor

By: ROBERT S. STEWART,
Managing Member

STATE OF Florida
COUNTY OF Columbia

The foregoing instrument was acknowledged before me this 15th
day of December, 2005, by ROBERT S. STEWART, as Managing Member of
MILESTONE HS, LLC, A Florida Limited Liability Company, who is
personally known to me or who has produced _____ as
identification and who did not take an oath.

My Commission Expires:

[Signature]
Notary Public

Printed, typed, or stamped name:



Inst:2005031030 Date:12/15/2005 Time:16:09

Doc Stamp-Deed : 315.00

DC, P. DeWitt Cason, Columbia County B:1068 P:775

THIS INSTRUMENT WAS PREPARED BY:

Inst:2005031032 Date:12/15/2005 Time:16:09

TERRY McDAVID 05-955
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

ML DC, P. DeWitt Cason, Columbia County B:1068 P:785

PERMIT NO. _____

TAX FOLIO NO.: Part of R03023-005

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 55, ROLLING MEADOWS, a subdivision according to the plat thereof recorded in Plat Book 8, Pages 45 and 46 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, FL 32024

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, FL 32024

5. Surety n/a

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

6. Lender: PEOPLES STATE BANK
350 SW Main Blvd., Lake City, FL 32025

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 Christopher Dampier at Peoples State Bank, 350 SW Main Blvd., Lake City, FL 32025 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). December 15, 2006.

SETH HEITZMAN CONSTRUCTION, INC.

Seth A. Heitzman
SETH A. HEITZMAN, President

The foregoing instrument was acknowledged before me this 15th day of December, 2005, by SETH A. HEITZMAN, as President of SETH HEITZMAN CONSTRUCTION, INC., who is personally known to me and who did not take an oath.

STATE OF FLORIDA, COUNTY OF COLUMBIA

I HEREBY CERTIFY, that the above and foregoing is a true copy of the original filed in this office.
P. DEWITT CASON, CLERK OF COURTS

By Terry McDavid
Deputy Clerk

Date 12-15-05



Terry McDavid
Notary Public
My commission expires: _____

FROM :

FRM NO. : 385-755-7822

Sep. 17 2002 01:52PM P1

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4" & 6" WELLS



DONALD AND MARY HALL
OWNERS

PHONE (804) 728-1834
FAX (804) 728-7035
1000 W. Main Blvd.
904 NW Main Blvd.

June 12, 2002

NOTICE TO ALL CONTRACTORS

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

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

Thank you,

Donald D. Hall
Donald D. Hall
DDH/jk

PO BOX 1787, LAKE CITY, FL 32056-1787
Phone: (386) 758-1125
Fax: (386) 758-1365
E-mail: ron_croft@columbiacountyfla.com

**COLUMBIA COUNTY
9-1-1 ADDRESSING /
GIS DEPARTMENT**

Fax

To:	North Florida Permit Services, Inc.	From:	Ron Croft
Fax:	(386) 752-2282	Pages:	3 Total including cover page
Phone:	(386) 752-2281	Date:	30 January 2006
Re:	ADDRESSES	CC:	

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

●Comments:

Attn: Linda and Melanie

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name:	Seth Heitzman Construction - Lot 55	Builder:	Seth Heitzman
Address:	Lot: 55, Sub: Rolling Meadows, Plat:	Permitting Office:	Columbia County
City, State:	Lake City, FL 32025-	Permit Number:	24183
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: 46.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 11.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	1986 ft²	13. Heating systems	
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		a. Electric Heat Pump	Cap: 46.0 kBtu/hr
a. U-factor:	Description Area		HSPF: 6.80
(or Single or Double DEFAULT) 7a. (Dble Default) 346.3 ft²		b. N/A	
b. SHGC:		c. N/A	
(or Clear or Tint DEFAULT) 7b. (Clear) 346.3 ft²		14. Hot water systems	
8. Floor types		a. Electric Resistance	Cap: 50.0 gallons
a. Slab-On-Grade Edge Insulation	R=0.0, 239.0(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, 1448.7 ft²	DHP-Dedicated heat pump)	
b. Frame, Wood, Adjacent	R=13.0, 228.0 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, 2086.0 ft²	MZ-H-Multizone heating)	
b. N/A			
c. N/A			
11. Ducts(Leak Free)			
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: 28034

Total base points: 28426

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: 1/24/06

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____



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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 55, Sub: Rolling Meadows, 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	
.18	1986.0	20.04	7163.9	Double, Clear	W	1.5	8.0	30.0	38.52	0.96	1107.3	
				Double, Clear	W	1.5	8.0	4.0	38.52	0.96	147.6	
				Double, Clear	SW	1.5	8.0	10.0	40.16	0.95	379.8	
				Double, Clear	NW	1.5	8.0	10.0	25.97	0.96	250.2	
				Double, Clear	N	4.5	10.0	10.0	19.20	1.00	191.9	
				Double, Clear	NW	10.5	10.0	20.0	25.97	0.63	327.1	
				Double, Clear	W	8.5	10.0	54.0	38.52	0.57	1178.1	
				Double, Clear	N	1.5	10.0	30.0	19.20	0.98	565.5	
				Double, Clear	W	10.0	10.0	15.6	38.52	0.53	318.7	
				Double, Clear	N	1.5	8.0	16.0	19.20	0.97	297.1	
				Double, Clear	E	1.5	8.0	15.0	42.06	0.96	604.2	
				Double, Clear	N	1.5	8.0	15.0	19.20	0.97	278.6	
				Double, Clear	E	1.5	8.0	30.0	42.06	0.96	1208.3	
				Double, Clear	E	9.5	8.0	45.0	42.06	0.47	891.5	
				Double, Clear	E	9.5	10.0	20.0	42.06	0.53	446.1	
				Double, Clear	E	9.5	10.0	6.7	42.06	0.53	149.5	
				Double, Clear	S	1.5	8.0	15.0	35.87	0.92	496.7	
				As-Built Total:					346.3			8836.3
WALL TYPES				Area X BSPM = Points		Type		R-Value		Area X SPM = Points		
Adjacent	228.0	0.70	159.6	Frame, Wood, Exterior		13.0		1448.7	1.50		2173.0	
Exterior	1448.7	1.70	2462.8	Frame, Wood, Adjacent		13.0		228.0	0.60		136.8	
Base Total:				1676.7		2622.4		As-Built Total:		1676.7		2309.8
DOOR TYPES				Area X BSPM = Points		Type		Area X SPM = Points				
Adjacent	20.0	1.60	32.0	Adjacent Insulated		20.0		1.60		32.0		
Exterior	0.0	0.00	0.0									
Base Total:				20.0		32.0		As-Built Total:		20.0		32.0
CEILING TYPES				Area X BSPM = Points		Type		R-Value		Area X SPM X SCM = Points		
Under Attic	1986.0	1.73	3435.8	Under Attic		30.0		2086.0	1.73 X 1.00		3608.8	
Base Total:				1986.0		3435.8		As-Built Total:		2086.0		3608.8

SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: Lot: 55, Sub: Rolling Meadows, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT			
FLOOR TYPES Area X BSPM = Points				Type	R-Value	Area X SPM = Points	
Slab	239.0(p)	-37.0	-8843.0	Slab-On-Grade Edge Insulation	0.0	239.0(p)	-41.20
Raised	0.0	0.00	0.0				
Base Total: -8843.0				As-Built Total: 239.0 -9846.8			
INFILTRATION Area X BSPM = Points				Area X SPM = Points			
	1986.0	10.21	20277.1			1986.0	10.21
Summer Base Points: 24688.1				Summer As-Built Points: 25219.2			
Total Summer Points	X System Multiplier	= Cooling Points		Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier	X System Multiplier
							X Credit Multiplier
							= Cooling Points
24688.1	0.4266	10532.0		25219.2	1.00	1.090	0.310
							1.000
							8529.1
							8529.1

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 55, Sub: Rolling Meadows, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang		Area X WPM X WOF = Points				
.18	1986.0	12.74	4554.3		Ornt	Len	Hgt				
				Double, Clear	W	1.5	8.0	30.0	20.73	1.01	628.8
				Double, Clear	W	1.5	8.0	4.0	20.73	1.01	83.8
				Double, Clear	SW	1.5	8.0	10.0	16.74	1.03	172.2
				Double, Clear	NW	1.5	8.0	10.0	24.30	1.00	243.1
				Double, Clear	N	4.5	10.0	10.0	24.58	1.00	245.8
				Double, Clear	NW	10.5	10.0	20.0	24.30	1.03	498.3
				Double, Clear	W	8.5	10.0	54.0	20.73	1.15	1287.7
				Double, Clear	N	1.5	10.0	30.0	24.58	1.00	737.5
				Double, Clear	W	10.0	10.0	15.6	20.73	1.17	377.3
				Double, Clear	N	1.5	8.0	16.0	24.58	1.00	393.6
				Double, Clear	E	1.5	8.0	15.0	18.79	1.02	287.5
				Double, Clear	N	1.5	8.0	15.0	24.58	1.00	369.0
				Double, Clear	E	1.5	8.0	30.0	18.79	1.02	575.0
				Double, Clear	E	9.5	8.0	45.0	18.79	1.34	1130.6
				Double, Clear	E	9.5	10.0	20.0	18.79	1.27	478.1
				Double, Clear	E	9.5	10.0	6.7	18.79	1.27	160.2
				Double, Clear	S	1.5	8.0	15.0	13.30	1.04	207.7
				As-Built Total:		346.3			7876.1		
WALL TYPES				Area X BWPM = Points		Type		R-Value		Area X WPM = Points	
Adjacent	228.0	3.60	820.8	Frame, Wood, Exterior		13.0	1448.7	3.40	4925.6		
Exterior	1448.7	3.70	5360.2	Frame, Wood, Adjacent		13.0	228.0	3.30	752.4		
Base Total:		1676.7	6181.0	As-Built Total:		1676.7			5678.0		
DOOR TYPES				Area X BWPM = Points		Type		Area X WPM = Points			
Adjacent	20.0	8.00	160.0	Adjacent Insulated		20.0	8.00	160.0			
Exterior	0.0	0.00	0.0								
Base Total:		20.0	160.0	As-Built Total:		20.0			160.0		
CEILING TYPES				Area X BWPM = Points		Type		R-Value		Area X WPM X WCM = Points	
Under Attic	1986.0	2.05	4071.3	Under Attic		30.0	2086.0	2.05 X 1.00		4276.3	
Base Total:		1986.0	4071.3	As-Built Total:		2086.0			4276.3		

WINTER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: Lot: 55, Sub: Rolling Meadows, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT			
FLOOR TYPES Area X BWPM = Points				Type	R-Value	Area X WPM = Points	
Slab	239.0(p)	8.9	2127.1	Slab-On-Grade Edge Insulation	0.0	239.0(p)	4493.2
Raised	0.0	0.00	0.0				
Base Total:			2127.1	As-Built Total:		239.0	4493.2
INFILTRATION Area X BWPM = Points				Area X WPM = Points			
	1986.0	-0.59	-1171.7			1986.0	-1171.7
Winter Base Points:			15921.9	Winter As-Built Points:			21311.8
Total Winter X Points	System Multiplier	=	Heating Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct X System X Credit Multiplier	= Heating Points
15921.9	0.6274		9989.4	(sys 1: Electric Heat Pump 46000 btuh ,EFF(6.8) Ducts:Unc(S),Unc(R),Gar(AH),R6.0 21311.8 1.000 (1.069 x 1.000 x 1.00) 0.501 1.000 11424.7 21311.8 1.00 1.069 0.501 1.000 11424.7			

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

ADDRESS: Lot: 55, Sub: Rolling Meadows, Plat: , Lake City, FL, 32026-

PERMIT #:

BASE				AS-BUILT					
WATER HEATING									
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank X Ratio	Multiplier X Credit	= Total Multiplier
3		2635.00	7905.0	50.0	0.90	3	1.00	2693.56	8080.7
				As-Built Total:					8080.7

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
10532	9989	7905	28426	8529	11425	8081	28034

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 55, Sub: Rolling Meadows, Plat: , Lake City, FL, 32025-

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

Tested sealed ducts must be certified in this house.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 83.6

The higher the score, the more efficient the home.

Spec House, Lot: 55, Sub: Rolling Meadows, 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: 46.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 11.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft ²)	1986 ft ²		
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 46.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 346.3 ft ²		HSPF: 6.80
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 346.3 ft ²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 239.0(p) ft	a. Electric Resistance	Cap: 50.0 gallons
b. N/A			EF: 0.90
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=13.0, 1448.7 ft ²	(HR-Heat recovery, Solar	
b. Frame, Wood, Adjacent	R=13.0, 228.0 ft ²	DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 2086.0 ft ²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts(Leak Free)			
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 EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.*

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

Energy Code Compliance

Duct System Performance Report

Project Name: Seth Heitzman Construction - Lot 55 Address: City, State: Lake City, FL 32025- Owner: Spec House Climate Zone: North	Builder: Seth Heitzman Permitting Office: Columbia County Permit Number: Jurisdiction Number:
---	--

Total Duct System Leakage Test Results

CFM25 Total Duct Leakage Test Values			
Line	System	Duct Leakage Total	Duct Leakage to Outdoors
1	System1	_____ cfm25(tot)	_____ cfm25(out)
2	System2	_____ cfm25(tot)	_____ cfm25(out)
3	System3	_____ cfm25(tot)	_____ cfm25(out)
4	System4	_____ cfm25(tot)	_____ cfm25(out)
5	Total House Duct System Leakage	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ (Q _{n,tot}) ☐ Receive credit if Q _{n,tot} ≤ 0.03	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ (Q _{n,out}) ☐ Receive credit if Q _{n,out} ≤ 0.03 AND Q _{n,tot} ≤ 0.09

I hereby certify that the above duct testing performance results demonstrate compliance with the Florida Energy Code requirements in accordance with Section 610.1.A.1, Florida Building Code, Building Volume, Chapter 13 for leak free duct system credit.

Signature: _____
Printed Name: _____
Florida Rater Certification #: _____
DATE: _____

Florida Building Code requires that testing to confirm leak free duct systems be performed by a Class 1 Florida Energy Gauge Certified Energy Rater. Certified Florida Class 1 raters can be found at: <http://energygauge.com/search.htm>

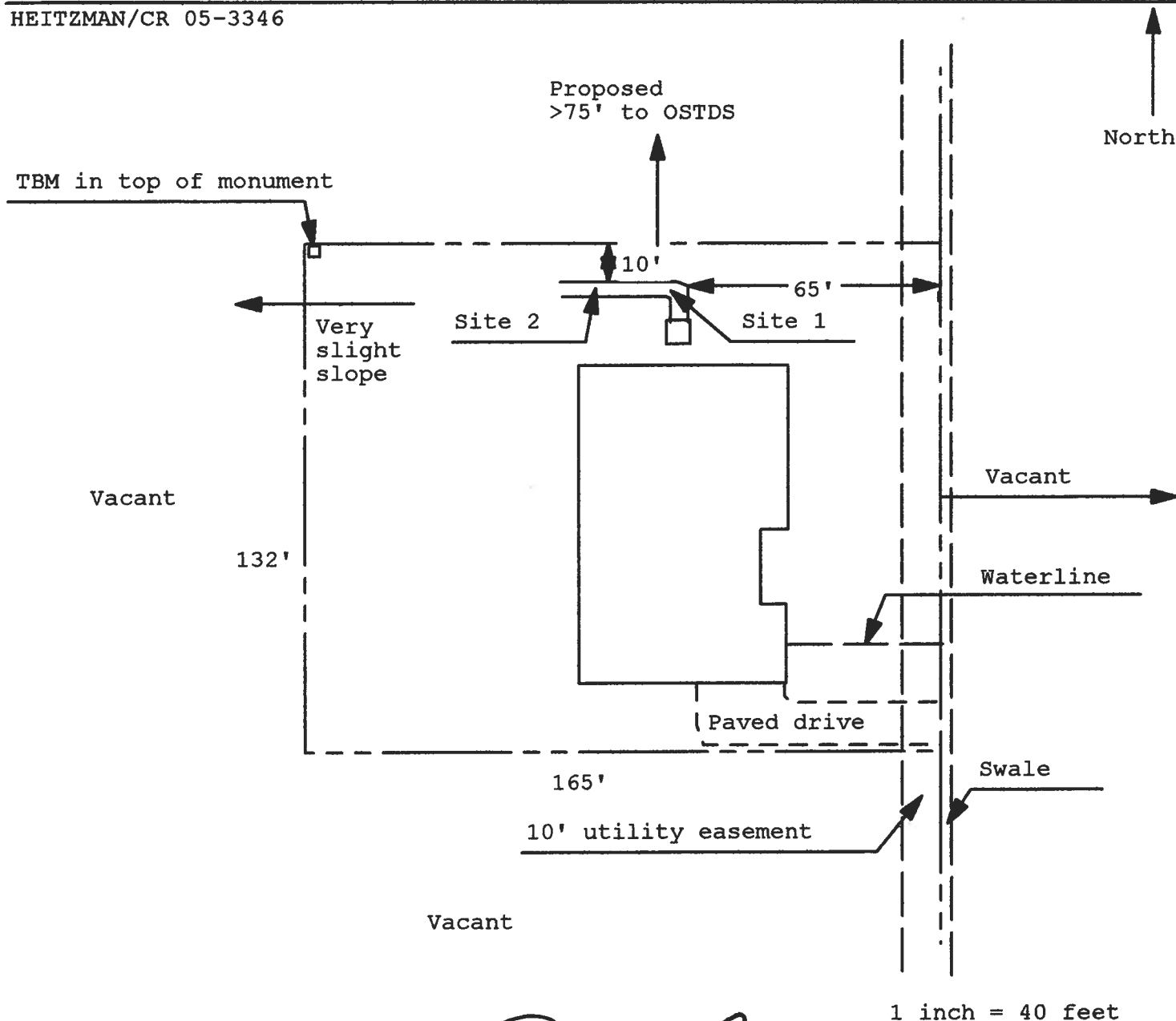


BUILDING OFFICIAL: _____
DATE: _____

**Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan**
Permit Application Number: 06-0121N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

HEITZMAN/CR 05-3346



Site Plan Submitted By Paul Lloyd Date 2/7/06
Plan Approved ☒ Not Approved ☐ Date 2.20.06

By Salhi Graddy ESII CPHU

Notes: _____

Columbia CHD

Cell
1975

Columbia County Building Department Culvert Permit

Culvert Permit No.
000000989

DATE 03/06/2006 PARCEL ID # 15-4S-16-03023-555

APPLICANT SETH HEITZMAN PHONE 752.2281

ADDRESS POB 3642 LAKE CITY FL 32056

OWNER SETH HEITZMAN COSTRUCTION PHONE 719.3887

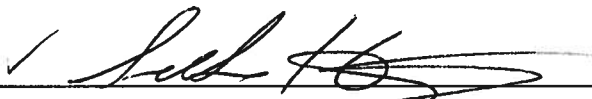
ADDRESS 202 SW MORNING GLORY DRIVE LAKE CITY FL 32024

CONTRACTOR SETH HEITZMAN PHONE 719.3887

LOCATION OF PROPERTY 90-W TO C-341, TL TO HOPE HENRY RD, TL TO ROLLING MEADOWS S/D, TO MORNING GLORY DR, 5TH LOT ON R.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT ROLLING MEADOWS 55

SIGNATURE



INSTALLATION REQUIREMENTS



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

INSTALLATION NOTE: Turnouts will be required as follows:

- a) a majority of the current and existing driveway turnouts are paved, or;
- b) the driveway to be served will be paved or formed with concrete.

Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



Other _____

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

135 NE Hernando Ave., Suite B-21

Lake City, FL 32055

Phone: 386-758-1008 Fax: 386-758-2160

Amount Paid 25.00



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Floor Plan including:

- a) Rooms labeled and dimensioned
- b) Shear walls
- c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown)
- d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth
- e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails
- f) Must show and identify accessibility requirements (accessable bathroom)

Foundation Plan including:

- a) Location of all load-bearing wall with required footings indicated as standard Or monolithic and dimensions and reinforcing
- b) All posts and/or column footing including size and reinforcing
- c) Any special support required by soil analysis such as piling
- d) Location of any vertical steel

Roof System:

a) Truss package including:

- 1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
- 2. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

b) Conventional Framing Layout including:

- 1. Rafter size, species and spacing
- 2. Attachment to wall and uplift
- 3. Ridge beam sized and valley framing and support details
- 4. Roof assembly (FBC 104.2.1 Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

a) Masonry wall

- 1. All materials making up wall
- 2. Block size and mortar type with size and spacing of reinforcement
- 3. Lintel, tie-beam sizes and reinforcement
- 4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
- 5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation
- 6. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
- 7. Fire resistant construction (if required)
- 8. Fireproofing requirements
- 9. Shoe type of termite treatment (termicide or alternative method)
- 10. Slab on grade
 - a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
 - b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
- 11. Indicate where pressure treated wood will be placed
- 12. Provide insulation R value for the following:
 - a. Attic space
 - b. Exterior wall cavity
 - c. Crawl space (if applicable)

☒☐**b) Wood frame wall**

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)
7. Roof assembly shown here or on roof system detail (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiteicide 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

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**AAMA/NWDA 101/I.S.2-97
TEST REPORT SUMMARY**

Rendered to:

MI HOME PRODUCTS, INC.

**SERIES/MODEL: 650 Fin
TYPE: Aluminum Single Hung Window**

Title of Test	Results
Rating	H-R40 52 x 72
Overall Design Pressure	+45.0 psf -47.2 psf
Operating Force	11 lb max.
Air Infiltration	0.13 cfm/ft ²
Water Resistance	6.00 psf
Structural Test Pressure	+67.5 psf -70.8 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

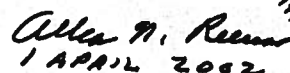
Reference should be made to Report No. 01-41134.01 dated 03/26/02 for complete test specimen description and data.

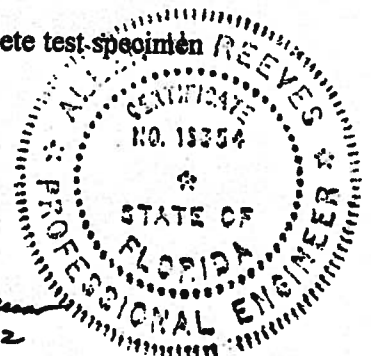
For ARCHITECTURAL TESTING, INC.



Mark A. Hess, Technician

MAH:nlb


1 APRIL 2002





Architectural Testing

AAMA/NWWDA 101/I.S.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/I.S.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

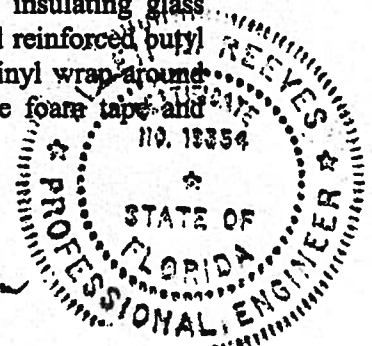
Screen Size: 4' 0-1/4" wide by 2' 11-1/8" high

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 N. Reeves
1 APRIL 2002



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

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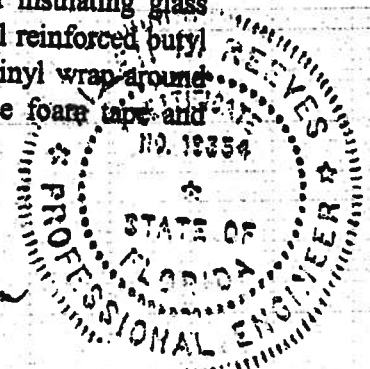
Screen Size: 4' 0-1/4" wide by 2' 11-1/8" high

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 N. Rimmer
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:

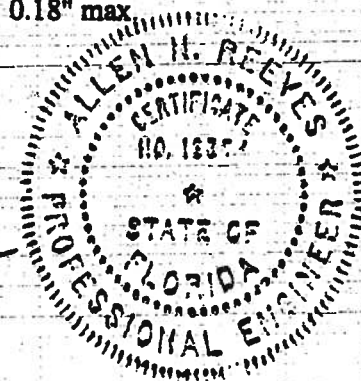
The results are tabulated as follows:

<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
	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)	0.42"	0.26" max.
	@ 34.7 psf (negative)	0.43"	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)	0.02"	0.18" max.
	@ 52.1 psf (negative)	0.02"	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

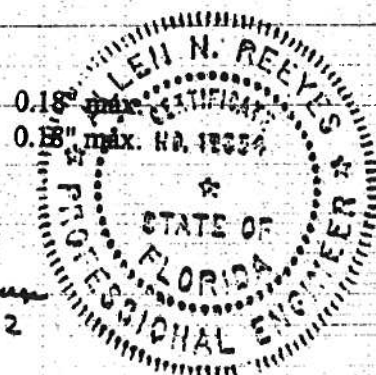
Optional Performance

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.*

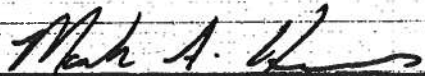
Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)		
@ 67.5 psf (positive)	0.05"	0.18" max.
@ 70.8 psf (negative)	0.05"	0.18" max.

Allen N. Reeves
1 APRIL 2002

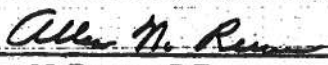


Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. 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:nib
01-41134.01

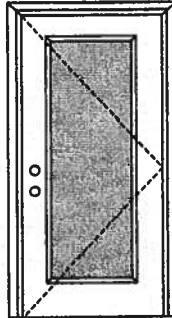

Allen N. Reeves, P.E.
Director - Engineering Services
1 APRIL 2002



X

Glazed Inswing Unit

COP-WL-JH4141-02

WOOD-EDGE STEEL DOORS**APPROVED ARRANGEMENT:**

Note:
Units of other sizes are covered by this report as long as the panel used does not exceed 3'0" x 6'8".



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.edsenrko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Single Door
Maximum unit size = 3'0" x 6'8"

Design Pressure
+40.5/-40.5

Limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed - see MAD-WL-MA0001-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed - see MID-WL-MA0001-02.

APPROVED DOOR STYLES:**1/4 GLASS:**

100 Series



133, 135 Series



136 Series



680 Series



822 Series

1/2 GLASS:

105 Series*



106, 160 Series*



129 Series*



200 Series*



12 R/L, 23 R/L, 24 R/L Series*



107 Series*



108 Series



304 Series

*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

1

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June 17, 2002
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PREMDOR Collection
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Y

Glazed Inswing Unit

COP-WL-JH4141-02

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

3/4 GLASS:



404 Series



410 Series

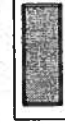


450 Series

FULL GLASS:



109 Series

114, 120, 122
Series

152 Series



149 Series



300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1861-4, 5, 6, 10, 11, 12; NCTL 210-2185-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

State of Florida, Professional Engineer
Kurt Balthazor, P.E. – License Number 56533



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.itsamko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

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Exclusively from

Masonite International Corporation



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.

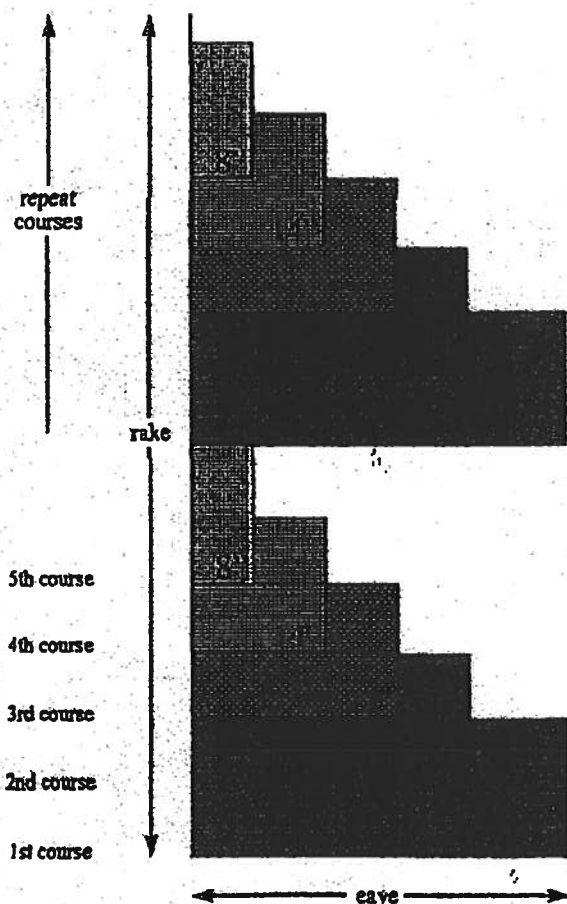
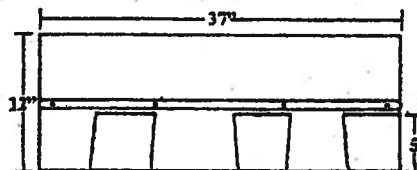
Please direct all questions to TAMKO's Technical Services Department at 1-800-641-4691.

TAMKO Roofing Products, Inc.

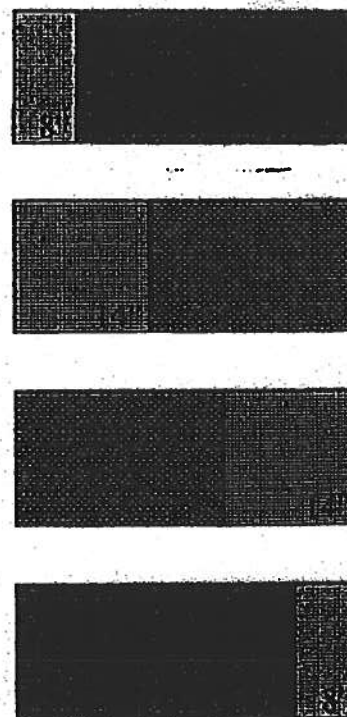


Application Instructions For Heritage® 25 Series Shingles

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.

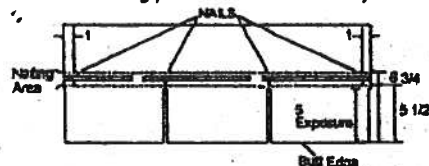
WIND CAUTION: Extreme wind velocities can damage these shingles after application when proper sealing of the shingles does not occur. This can especially be a problem if the shingles are applied in cooler months or in areas on the roof that do not receive direct sunlight. These

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 fasteners 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

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Northeast District	4500 Tamko Dr., Frederick, MD 21701	800-368-2055
Southeast District	2300 35th St., Tuscaloosa, AL 35401	800-228-2656
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 5 fasteners per shingle. See Section 3 for the Mansard Fastening Pattern.

8. 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.

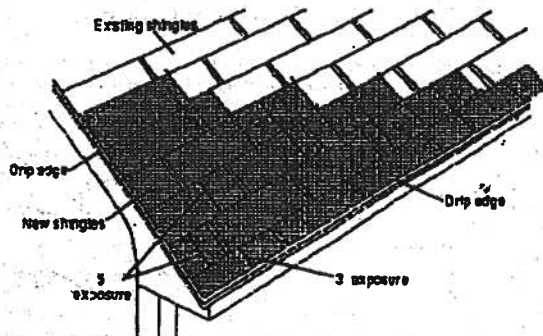
If re-roofing over an existing roof where new flashing is required to protect against ice dams (freeze/thaw cycle of water and/or the backup of water in frozen or clogged gutters), remove the old roofing to a point at least 24 in. beyond the interior wall line and apply TAMKO's Moisture Guard Plus® waterproofing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

9. 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.

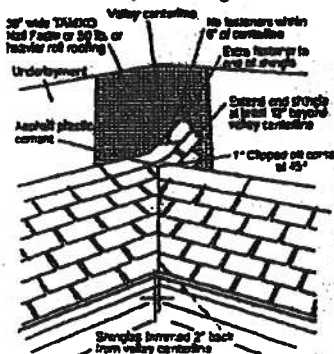
Note: For a neater installation, snap a chalkline over the shingles for guidance.

- 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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5300 East 43rd Ave., Denver, CO 80216

800-841-4691
800-368-2055
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800-443-1834
800-530-8868

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.

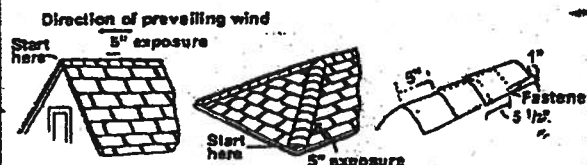
TAMKO recommends the use of TAMKO Hip & Ridge shingle products. Where matching colors are available, it is acceptable to use TAMKO's Glass-Seal or Elite Glass-Seal shingles cut down to 12 in. pieces.

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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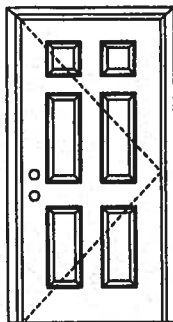
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800-228-2658
800-443-1834
800-530-8858

07/01

X

Opaque Inswing Unit

COP-WL-JH4101-02

WOOD-EDGE STEEL DOORS**APPROVED ARRANGEMENT:**

Note:
Units of other sizes are covered by this report as long as the panel used does not exceed 3'0" x 6'8".

Single Door
Maximum unit size = 3'0" x 6'8"

Design Pressure
+66.0/-66.0
limited water unless special threshold design is used.

Large Missile Impact Resistance
Hurricane protective system (shutters) is NOT REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.



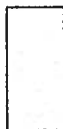
Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.itswh.com), the Masonite website (www.masonite.com) or the Masonite technical center.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0001-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0001-02.

APPROVED DOOR STYLES:

Flush



Arch Top 3-panel



3-panel



6-panel



New England 4-panel



Eyebrow 4-panel



8-panel



9-panel



15-panel



5-panel



5-panel with scroll



Eyebrow 5-panel



Eyebrow 5-panel with scroll

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Y
Opaque Inswing Unit

COP-WL-JH4101-02

WOOD-EDGE STEEL DOORS

CERTIFIED TEST REPORTS:

NCTL 210-2185-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA201, PA202 and PA203.

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN ACCORDANCE WITH
MIAMI-DADE BCCO
PA201, PA202 & PA203

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).



State of Florida, Professional Engineer
Kurt Balthazor, P.E. – License Number 56533

Warnock Hersey



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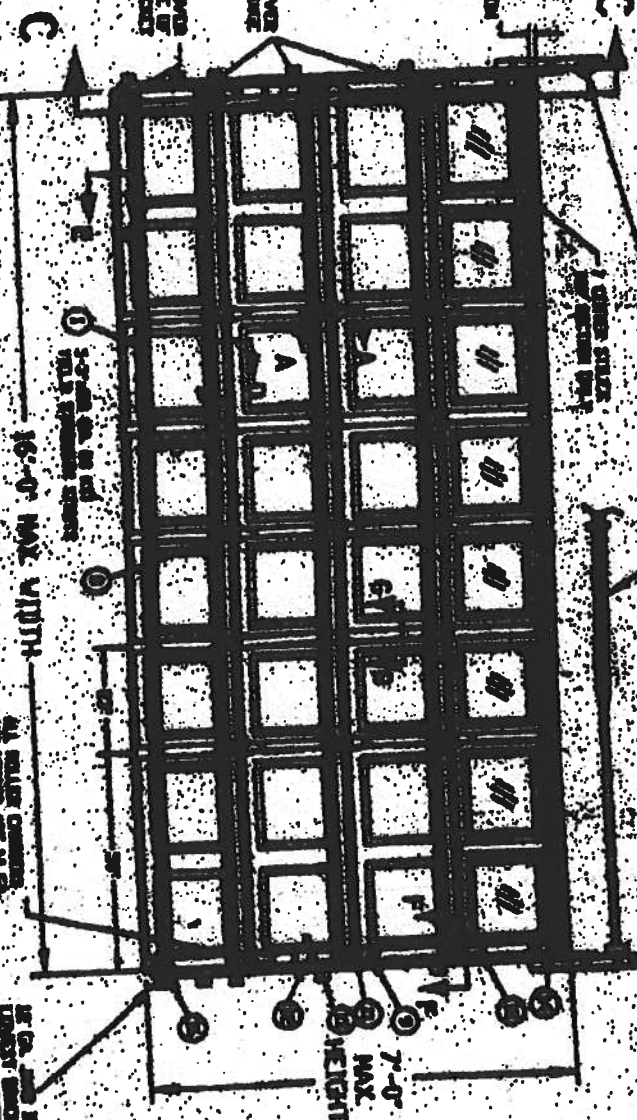
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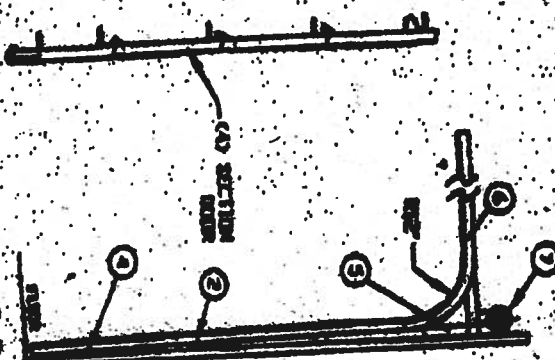
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TRUTH, DE CAJ



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53. NO DISSEM TO THE DEPARTMENT OF THE BUREAU OF DOCUMENTATION
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55. NO DISSEM TO THE DEPARTMENT OF THE BUREAU OF ARCHIVES
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67. NO DISSEM TO THE DEPARTMENT OF THE BUREAU OF RECREATION
68. NO DISSEM TO THE DEPARTMENT OF THE BUREAU OF LEISURE
69. NO DISSEM TO THE DEPARTMENT OF THE BUREAU OF TOURISM
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99. NO DISSEM TO THE DEPARTMENT OF THE BUREAU OF PUBLICATIONS
100. NO DISSEM TO THE DEPARTMENT OF THE BUREAU OF PRINTING

2x6 AND 10 SUPPORTING STRUCTURE ATTACHMENT

2x6 PRESSURE TREATED GRADE OR BETTER SOUTHERN PINE VIDS AND SHALL BE ANCHORED TO BUILDING WOOD FRAME, CEILING AND REINFORCED CONCRETE MASONRY UNIT CONCRETE WALLS OR REINFORCED CONCRETE COLUMNS.

ALL JOINTS AND SPACING STRUCTURE TO BE DESIGNED BY REGISTERED ENGINEER OR ARCHITECT WITH THE CONSULTATION GIVEN TO INSTALLATION AND CERTIFIED "TRUE".

ALL JOINTS AND SPACING STRUCTURE AND FASTENERS TO COMPLY WITH ALL APPLICABLE CODES INCLUDING SPECIALLY TREATED FOR RESISTANCE TO ROT AND INSECT DAMAGE.

ALL JOINTS TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, DIRECTIONS AND RECOMMENDATIONS.

ALL JOINTS AND SPACING STRUCTURE AT EACH END OF EACH SPACING SHALL BE PROPERLY ANCHORED, CEILING AND SHALL CONSIST OF A MINIMUM OF THREE (3) LAMINATIONS OF 2x6 PRESSURE TREATED SOUTHERN PINE ONE (1) INCH THICK OR EQUIVALENT.

ALL JOINTS AND SPACING STRUCTURE SHALL BE ANCHORED TO CONCRETE OR REINFORCED CONCRETE MASONRY UNIT CONCRETE WALLS OR REINFORCED CONCRETE COLUMNS. ANCHOR SPACING AND EMBEDMENT SHALL BE AS SHOWN IN THE ATTACHED DETAIL.

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COLUMBIA DOOR COMPANY	
1000 W. 10TH AVE. S. MINNAPOLIS, MN 55404	
DATE	6/28/04
BY	J. L. GILBERT
FOR THE ARCHITECT	
SEE ATTACHED ATTACHMENT	
FOR VIDS LIMITED GARAGE DOORS	

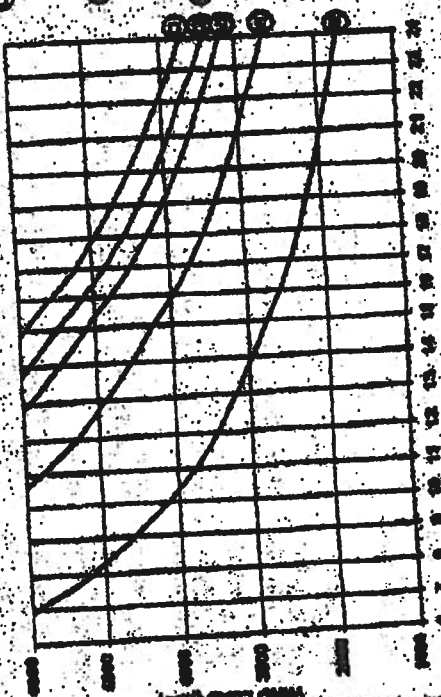
CONCRETE WALLS
WITH OR WITHOUT
REINFORCEMENT
3/4" MIN. THICK
1-1/2" MIN. EMBEDMENT

CONCRETE WALLS
WITH OR WITHOUT
REINFORCEMENT
3/4" MIN. THICK
1-1/2" MIN. EMBEDMENT

CONCRETE WALLS
WITH OR WITHOUT
REINFORCEMENT
3/4" MIN. THICK
1-1/2" MIN. EMBEDMENT

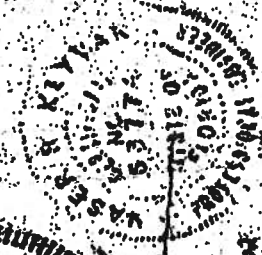
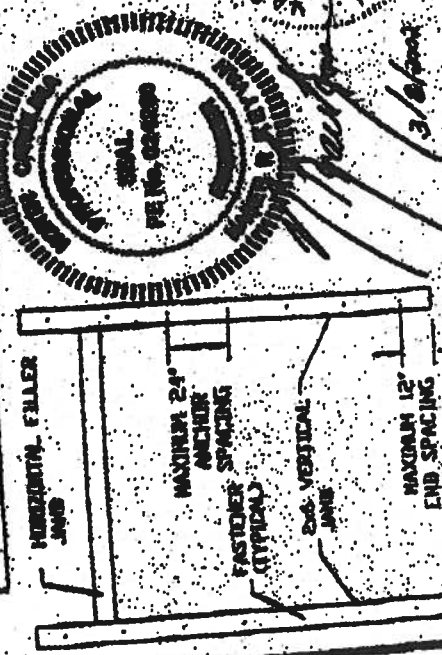
CONCRETE WALLS
WITH OR WITHOUT
REINFORCEMENT
3/4" MIN. THICK
1-1/2" MIN. EMBEDMENT

CONCRETE WALLS
WITH OR WITHOUT
REINFORCEMENT
3/4" MIN. THICK
1-1/2" MIN. EMBEDMENT



DESIGN (LBS) X GARAGE DOOR AREA (WIDTH-FT X HEIGHT-FT) = VIDS LOAD (LBS)

EXAMPLE:
30 LBS X 06 FT WIDE X 07 FT HIGH = 3000 LBS
① USE 22" SPACING
② USE 21" SPACING
③ USE 19" SPACING



Residential System Sizing Calculation

Summary

Spec House

Project Title:
Seth Heitzman Construction - Lot 55

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

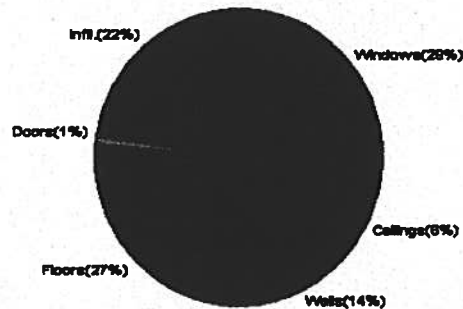
1/24/2006

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation	38386 Btuh	Total cooling load calculation	43049 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	119.8 46000	Sensible (SHR = 0.75)	98.4 34500
Heat Pump + Auxiliary(0.0kW)	119.8 46000	Latent	144.2 11500
		Total (Electric Heat Pump)	106.9 46000

WINTER CALCULATIONS

Winter Heating Load (for 1986 sqft)

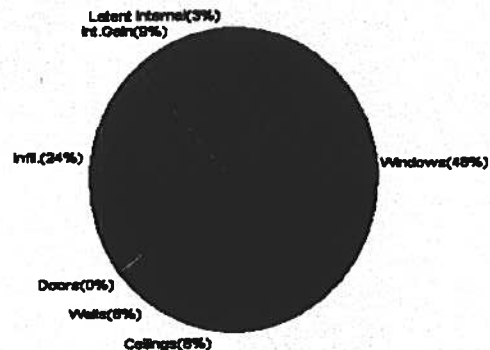
Load component		Load	
Window total	346 sqft	11147	Btuh
Wall total	1677 sqft	5506	Btuh
Door total	20 sqft	259	Btuh
Ceiling total	2086 sqft	2458	Btuh
Floor total	239 sqft	10435	Btuh
Infiltration	212 cfm	8581	Btuh
Duct loss		0	Btuh
Subtotal		38386	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		38386	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1986 sqft)

Load component		Load	
Window total	346 sqft	20829	Btuh
Wall total	1677 sqft	3366	Btuh
Door total	20 sqft	196	Btuh
Ceiling total	2086 sqft	3455	Btuh
Floor total		0	Btuh
Infiltration	185 cfm	3450	Btuh
Internal gain		3780	Btuh
Duct gain		0	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		35075	Btuh
Latent gain(ducts)		0	Btuh
Latent gain(Infiltration)		6774	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(Internal/occupants/other)		1200	Btuh
Total latent gain		7974	Btuh
TOTAL HEAT GAIN		43049	Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: Will Myers

DATE: 1/24/06

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Spec House

Project Title:
Seth Heitzman Construction - Lot 55

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

1/24/2006

Whole House					
Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	W	30.0	32.2	966 Btuh
2	2, Clear, Metal, 0.87	W	4.0	32.2	129 Btuh
3	2, Clear, Metal, 0.87	SW	10.0	32.2	322 Btuh
4	2, Clear, Metal, 0.87	NW	10.0	32.2	322 Btuh
5	2, Clear, Metal, 0.87	N	10.0	32.2	322 Btuh
6	2, Clear, Metal, 0.87	NW	20.0	32.2	644 Btuh
7	2, Clear, Metal, 0.87	W	54.0	32.2	1738 Btuh
8	2, Clear, Metal, 0.87	N	30.0	32.2	966 Btuh
9	2, Clear, Metal, 0.87	W	15.6	32.2	502 Btuh
10	2, Clear, Metal, 0.87	N	16.0	32.2	515 Btuh
11	2, Clear, Metal, 0.87	E	15.0	32.2	483 Btuh
12	2, Clear, Metal, 0.87	N	15.0	32.2	483 Btuh
13	2, Clear, Metal, 0.87	E	30.0	32.2	966 Btuh
14	2, Clear, Metal, 0.87	E	45.0	32.2	1449 Btuh
15	2, Clear, Metal, 0.87	E	20.0	32.2	644 Btuh
16	2, Clear, Metal, 0.87	E	6.7	32.2	216 Btuh
17	2, Clear, Metal, 0.87	S	15.0	32.2	483 Btuh
Window Total			346(sqft)		11147 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1449	3.3	4758 Btuh
2	Frame - Wood - Adj(0.09)	13.0	228	3.3	749 Btuh
Wall Total			1677		5506 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
Door Total			20		259 Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2086	1.2	2458 Btuh
Ceiling Total			2086		2458 Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	239.0 ft(p)	43.7	10435 Btuh
Floor Total			239		10435 Btuh
Zone Envelope Subtotal:					29806 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	Load
	Natural	0.80	15888	211.8	8581 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)				0 Btuh
Zone #1	Sensible Zone Subtotal				38386 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:

Code Only

Lake City, FL 32025-

Seth Heitzman Construction - Lot 55

Professional Version
Climate: North

1/24/2006



	Subtotal Sensible Ventilation Sensible Total Btuh Loss	38386 Btuh 0 Btuh 38386 Btuh
--	--	------------------------------------

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

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



For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Spec House

Project Title:
Seth Heitzman Construction - Lot 55

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

1/24/2006

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	W	30.0	32.2	966 Btuh
2	2, Clear, Metal, 0.87	W	4.0	32.2	129 Btuh
3	2, Clear, Metal, 0.87	SW	10.0	32.2	322 Btuh
4	2, Clear, Metal, 0.87	NW	10.0	32.2	322 Btuh
5	2, Clear, Metal, 0.87	N	10.0	32.2	322 Btuh
6	2, Clear, Metal, 0.87	NW	20.0	32.2	644 Btuh
7	2, Clear, Metal, 0.87	W	54.0	32.2	1738 Btuh
8	2, Clear, Metal, 0.87	N	30.0	32.2	966 Btuh
9	2, Clear, Metal, 0.87	W	15.6	32.2	502 Btuh
10	2, Clear, Metal, 0.87	N	16.0	32.2	515 Btuh
11	2, Clear, Metal, 0.87	E	15.0	32.2	483 Btuh
12	2, Clear, Metal, 0.87	N	15.0	32.2	483 Btuh
13	2, Clear, Metal, 0.87	E	30.0	32.2	966 Btuh
14	2, Clear, Metal, 0.87	E	45.0	32.2	1449 Btuh
15	2, Clear, Metal, 0.87	E	20.0	32.2	644 Btuh
16	2, Clear, Metal, 0.87	E	6.7	32.2	216 Btuh
17	2, Clear, Metal, 0.87	S	15.0	32.2	483 Btuh
Window Total			346(sqft)		11147 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1449	3.3	4758 Btuh
2	Frame - Wood - Adj(0.09)	13.0	228	3.3	749 Btuh
Wall Total			1677		5506 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
Door Total			20		259 Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2086	1.2	2458 Btuh
Ceiling Total			2086		2458 Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	239.0 ft(p)	43.7	10435 Btuh
Floor Total			239		10435 Btuh
Zone Envelope Subtotal:					29806 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	Load
	Natural	0.80	15888	211.8	8581 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)				0 Btuh
Zone #1	Sensible Zone Subtotal				38386 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House

Lake City, FL 32025-

Project Title:

Seth Heitzman Construction - Lot 55

Code Only

Professional Version

Climate: North

1/24/2006



	Subtotal Sensible	38386 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	38386 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(Frame types - metal, wood or insulated metal)

(U - Window U-Factor or 'DEF' for default)

(HTM - ManualJ Heat Transfer Multiplier)

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



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Spec House

Project Title:
Seth Heitzman Construction - Lot 55

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F

1/24/2006

Window	Type*	Omt	Overhang		Window Area(sqft)			HTM		Load
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2, Clear, 0.87, None,N,N	W	1.5ft	8ft.	30.0	0.0	30.0	29	80	2385 Btuh
2	2, Clear, 0.87, None,N,N	W	1.5ft	8ft.	4.0	0.0	4.0	29	80	318 Btuh
3	2, Clear, 0.87, None,N,N	SW	1.5ft	8ft.	10.0	0.0	10.0	29	63	625 Btuh
4	2, Clear, 0.87, None,N,N	NW	1.5ft	8ft.	10.0	0.0	10.0	29	60	600 Btuh
5	2, Clear, 0.87, None,N,N	N	4.5ft	10ft	10.0	0.0	10.0	29	29	290 Btuh
6	2, Clear, 0.87, None,N,N	NW	10.5f	10ft.	20.0	0.0	20.0	29	60	1201 Btuh
7	2, Clear, 0.87, None,N,N	W	8.5ft	10ft.	54.0	27.5	26.5	29	80	2904 Btuh
8	2, Clear, 0.87, None,N,N	N	1.5ft	10ft.	30.0	0.0	30.0	29	29	869 Btuh
9	2, Clear, 0.87, None,N,N	W	10ft.	10ft.	15.6	11.6	4.0	29	80	653 Btuh
10	2, Clear, 0.87, None,N,N	N	1.5ft	8ft.	16.0	0.0	16.0	29	29	463 Btuh
11	2, Clear, 0.87, None,N,N	E	1.5ft	8ft.	15.0	0.0	15.0	29	80	1193 Btuh
12	2, Clear, 0.87, None,N,N	N	1.5ft	8ft.	15.0	0.0	15.0	29	29	434 Btuh
13	2, Clear, 0.87, None,N,N	E	1.5ft	8ft.	30.0	0.0	30.0	29	80	2385 Btuh
14	2, Clear, 0.87, None,N,N	E	9.5ft	8ft.	45.0	44.0	1.0	29	80	1356 Btuh
15	2, Clear, 0.87, None,N,N	E	9.5ft	10ft.	20.0	13.7	6.3	29	80	900 Btuh
16	2, Clear, 0.87, None,N,N	E	9.5ft	10ft.	6.7	4.6	2.1	29	80	302 Btuh
17	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	15.0	15.0	0.0	29	34	434 Btuh
	Excursion									3516 Btuh
	Window Total				346 (sqft)					20829 Btuh
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load
1	Frame - Wood - Ext		13.0/0.09		1448.7			2.1		3022 Btuh
2	Frame - Wood - Adj		13.0/0.09		228.0			1.5		344 Btuh
	Wall Total				1677 (sqft)					3366 Btuh
Doors	Type				Area (sqft)			HTM		Load
1	Insulated - Adjacent				20.0			9.8		196 Btuh
	Door Total				20 (sqft)					196 Btuh
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load
1	Vented Attic/DarkShingle		30.0		2086.0			1.7		3455 Btuh
	Ceiling Total				2086 (sqft)					3455 Btuh
Floors	Type		R-Value		Size			HTM		Load
1	Slab On Grade		0.0		239 (ft(p))			0.0		0 Btuh
	Floor Total				239.0 (sqft)					0 Btuh
			Zone Envelope Subtotal:							27845 Btuh
Infiltration	Type		ACH		Volume(cuft)			CFM=		Load
	SensibleNatural		0.70		15888			185.4		3450 Btuh
Internal gain			Occupants		Btuh/occupant			Appliance		Load
			6		X 230 +			2400		3780 Btuh
Duct load	Proposed leak free, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh
			Sensible Zone Load							35075 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:

Code Only

Lake City, FL 32025-

Seth Heitzman Construction - Lot 55

Professional Version
Climate: North

1/24/2006

Whole House Totals for Cooling	Sensible Envelope Load All Zones	35075 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	35075 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	35075 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	6774 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	7974 Btuh
	TOTAL GAIN	43049 Btuh

*Key: Window types (Pn - Number of panes of glass)

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(U - Window U-Factor or 'DEF' for default)

(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))

(ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Omt - compass orientation)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Spec House

Project Title:

Code Only

Lake City, FL 32025-

Seth Heitzman Construction - Lot 55

Professional Version

Climate: North

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 17.0 F

1/24/2006

Window	Type*	Omt	Overhang		Window Area(sqft)			HTM		Load
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2, Clear, 0.87, None,N,N	W	1.5ft	8ft.	30.0	0.0	30.0	29	80	2385 Btuh
2	2, Clear, 0.87, None,N,N	W	1.5ft	8ft.	4.0	0.0	4.0	29	80	318 Btuh
3	2, Clear, 0.87, None,N,N	SW	1.5ft	8ft.	10.0	0.0	10.0	29	63	625 Btuh
4	2, Clear, 0.87, None,N,N	NW	1.5ft	8ft.	10.0	0.0	10.0	29	60	600 Btuh
5	2, Clear, 0.87, None,N,N	N	4.5ft	10ft	10.0	0.0	10.0	29	29	290 Btuh
6	2, Clear, 0.87, None,N,N	NW	10.5f	10ft.	20.0	0.0	20.0	29	60	1201 Btuh
7	2, Clear, 0.87, None,N,N	W	8.5ft	10ft.	54.0	27.5	26.5	29	80	2904 Btuh
8	2, Clear, 0.87, None,N,N	N	1.5ft	10ft.	30.0	0.0	30.0	29	29	869 Btuh
9	2, Clear, 0.87, None,N,N	W	10ft.	10ft.	15.6	11.6	4.0	29	80	653 Btuh
10	2, Clear, 0.87, None,N,N	N	1.5ft	8ft.	16.0	0.0	16.0	29	29	463 Btuh
11	2, Clear, 0.87, None,N,N	E	1.5ft	8ft.	15.0	0.0	15.0	29	80	1193 Btuh
12	2, Clear, 0.87, None,N,N	N	1.5ft	8ft.	15.0	0.0	15.0	29	29	434 Btuh
13	2, Clear, 0.87, None,N,N	E	1.5ft	8ft.	30.0	0.0	30.0	29	80	2385 Btuh
14	2, Clear, 0.87, None,N,N	E	9.5ft	8ft.	45.0	44.0	1.0	29	80	1356 Btuh
15	2, Clear, 0.87, None,N,N	E	9.5ft	10ft.	20.0	13.7	6.3	29	80	900 Btuh
16	2, Clear, 0.87, None,N,N	E	9.5ft	10ft.	6.7	4.6	2.1	29	80	302 Btuh
17	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	15.0	15.0	0.0	29	34	434 Btuh
	Excursion									3516 Btuh
	Window Total				346 (sqft)					20829 Btuh
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load
1	Frame - Wood - Ext		13.0/0.09		1448.7			2.1		3022 Btuh
2	Frame - Wood - Adj		13.0/0.09		228.0			1.5		344 Btuh
	Wall Total				1677 (sqft)					3366 Btuh
Doors	Type				Area (sqft)			HTM		Load
1	Insulated - Adjacent				20.0			9.8		196 Btuh
	Door Total				20 (sqft)					196 Btuh
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load
1	Vented Attic/DarkShingle		30.0		2086.0			1.7		3455 Btuh
	Ceiling Total				2086 (sqft)					3455 Btuh
Floors	Type		R-Value		Size			HTM		Load
1	Slab On Grade		0.0		239 (ft(p))			0.0		0 Btuh
	Floor Total				239.0 (sqft)					0 Btuh
			Zone Envelope Subtotal:							27845 Btuh
Infiltration	Type		ACH		Volume(cuft)			CFM=		Load
	SensibleNatural		0.70		15888			185.4		3450 Btuh
Internal gain			Occupants		Btuh/occupant			Appliance		Load
			6		X 230 +			2400		3780 Btuh
Duct load	Proposed leak free, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh
			Sensible Zone Load							35075 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House

Lake City, FL 32025-

Project Title:

Seth Heitzman Construction - Lot 55

Code Only

Professional Version

Climate: North

1/24/2006

Whole House Totals for Cooling	Sensible Envelope Load All Zones	35075 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	35075 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	35075 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	6774 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	7974 Btuh
	TOTAL GAIN	43049 Btuh

*Key: Window types (Pn - Number of panes of glass)

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(U - Window U-Factor or 'DEF' for default)

(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))

(ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Omt - compass orientation)



For Florida residences only

Residential Window Diversity

MidSummer

Spec House

Lake City, FL 32025-

Project Title:

Seth Heitzman Construction - Lot 55

Code Only

Professional Version

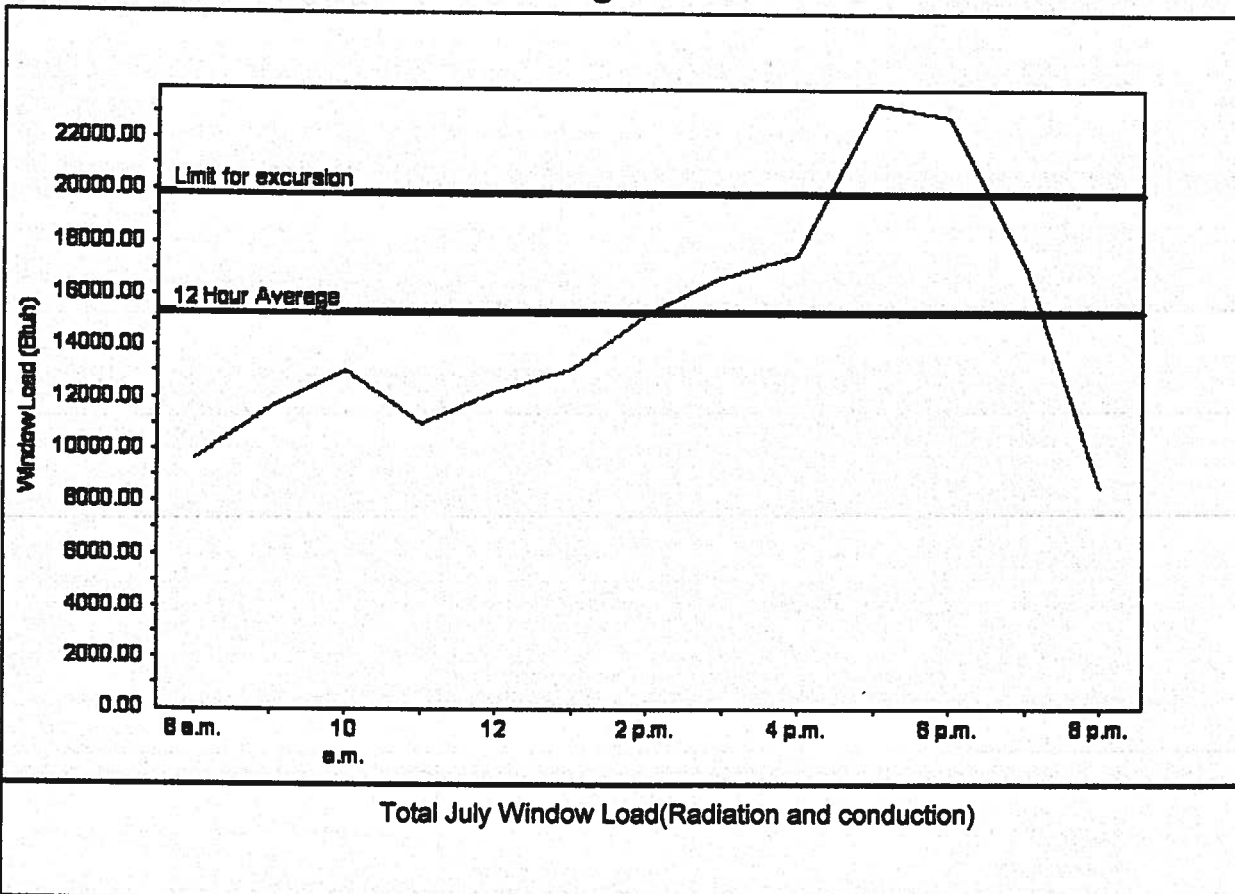
Climate: North

1/24/2006

EnergyGauge® System Sizing - Details

Summer design temperature	92 F	Average window load for July	15283 Btu
Summer setpoint	75 F	Peak window load for July	23385 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	19869 Btu
Latitude	29 North	Window excursion (July)	3516 Btu/h

WINDOW Average and Peak Loads



This application has glass areas that produce large heat gains for part of the day. Variable air volume devices are required to overcome spikes in solar gain for one or more rooms. Install a zoned system or provide zone control for problem rooms. Single speed equipment may not be suitable for the application.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: _____

EnergyGauge® FLRCPB v4.1



New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.

Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when soil treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control Operator and builder, unless stated otherwise.

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: 301 NW Cole Terrace City Lake City State FL Zip 32055
Company Business License No. JB102478 Company Phone No. 386-755-3611
FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name: Seth Heitzman const. Company Phone No. 719-3887

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 202 SW Morning glory dr
lake city FL
Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other _____
Approximate Depth of Footing: Outside _____ Inside _____ Type of Fill _____

Section 4: Treatment Information

Date(s) of Treatment(s) 3-30-06
Brand Name of Product(s) Used Cyper + C
EPA Registration No. 53883-92
Approximate Final Mix Solution % 2.5%
Approximate Size of Treatment Area: Sq. ft. 3017 Linear ft. 233 Linear ft. of Masonry Voids 233
Approximate Total Gallons of Solution Applied 1530
Was treatment completed on exterior? ☒ Yes ☐ No
Service Agreement Available? ☒ Yes ☐ No

Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List) _____

Comments _____

Name of Applicator(s) Steve Certification No. (if required by State law) JF104376

The applicator has used a product in accordance with the product label and state requirements. All treatment materials and methods used comply with state and federal regulations.

Authorized Signature [Signature] Date 3-30-06

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010, 1012; 31 U.S.C. 3729, 3802)

Form NPCA-99-B may still be used

form HUD-NPCA-99-B (04/2003)

April 3, 2006

Columbia County Building Department
Lake City, Florida 32025

Attention: Randy Jones, Inspector

Subject: Permit Number 24183

Dear Randy;

The plans indicated that double 2 x 12 #2 pine should be used for the headers over all openings. During construction, as the Engineer for the contractor, I changed the design to use double 2 x 10's. Double 2x10's will meet all the requirements for this structure since the opening greater than 3 feet in width are in a non-load bearing wall and all headers are tied to the framing using Simpson header straps.

Thank you



Huey R. Hawkins, PE
PE Number 33665

COLUMBIA COUNTY OFFICE OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 15-4S-16-03023-555

Building permit No. 000024183

Use Classification SFD/UTILITY

Fire: 61.38

Permit Holder SETH HEITZMAN

Waste: 184.25

Owner of Building SETH HEITZMAN CONSTRUCTION

Total: 245.63

Location: 202 SW MORNING GLORY DR, LAKE CITY, FL 32024

Date: 11/15/2006



Harry Dicks by J. H.

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

24183



BRITT SURVEYING

830 West Duval Street • Lake City, FL 32055
Phone (386) 752-7163 • Fax (386) 752-5573

*Land Surveyors
and Mappers*

03/10/06

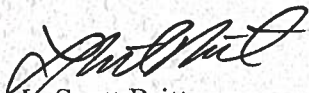
L-17193

To Whom It May Concern:

C/o: Seth Heitzman

Re: Lot 55 Rolling Meadows

The elevation of the proposed slab is found to be 107.82 feet. The minimum finished floor according to the plat of record is to be 107.00 feet. The highest adjacent grade is 106.8 feet and the lowest adjacent grade is 106.1 feet.


L. Scott Britt
PLS #5757

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: ISTM487-Z0106160555

Truss Fabricator: Anderson Truss Company
Job Identification: 5-563-SETH HEITZMAN-#55 ROLLING MEADOWS
Truss Count: 56
Model Code: Florida Building Code 2004
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Version 7.22.
Structural Engineer of Record:
Address:
Minimum Design Loads: Roof - 32.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-02 - Closed

Notes:

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

Details: CNBRGBLK-BRCLBSUB-PIGBACKB

Seal Date: 01/06/2006

-Truss Design Engineer-
Arthur R. Fisher
Florida License Number: 59687
1950 Marley Drive
Haines City, FL 33844

#	Ref	Description	Drawing#	Date
1	78502--A1		06006008	01/06/06
2	78503--A2		06006009	01/06/06
3	78504--A3		06006010	01/06/06
4	78505--A4		06006011	01/06/06
5	78506--A5		06006012	01/06/06
6	78507--A6		06006013	01/06/06
7	78508--A7		06006014	01/06/06
8	78509--A8		06006015	01/06/06
9	78510--A9		06006016	01/06/06
10	78511--A10		06006017	01/06/06
11	78512--B1		06006018	01/06/06
12	78513--B2		06006019	01/06/06
13	78514--B3		06006020	01/06/06
14	78515--B4		06006021	01/06/06
15	78516--B5		06006022	01/06/06
16	78517--C1-GE		06006023	01/06/06
17	78518--C2		06006001	01/06/06
18	78519--C3		06006002	01/06/06
19	78520--C4G		06006024	01/06/06
20	78521--D1-GE		06006025	01/06/06
21	78522--D2-GE		06006026	01/06/06
22	78523--D3		06006003	01/06/06
23	78524--HJ7		06006027	01/06/06
24	78525--EJ7		06006028	01/06/06
25	78526--J5		06006029	01/06/06
26	78527--J3		06006030	01/06/06
27	78528--J1		06006031	01/06/06
28	78529--HJ5		06006032	01/06/06
29	78530--EJ5		06006033	01/06/06
30	78531--J3R		06006034	01/06/06
31	78532--J3RR		06006035	01/06/06
32	78533--HJ5		06006036	01/06/06
33	78534--EJ5		06006037	01/06/06
34	78535--EJZ		06006038	01/06/06
35	78536--K1-GE		06006039	01/06/06
36	78537--K2		06006004	01/06/06

#	Ref	Description	Drawing#	Date
37	78538--K3G		06006040	01/06/06
38	78539--AP1		06006041	01/06/06
39	78540--AP2		06006042	01/06/06
40	78541--AP3		06006043	01/06/06
41	78542--AP4		06006044	01/06/06
42	78543--AP5		06006045	01/06/06
43	78544--AP6		06006046	01/06/06
44	78545--AP7		06006047	01/06/06
45	78546--BP8		06006048	01/06/06
46	78547--BP9		06006049	01/06/06
47	78548--BP10		06006050	01/06/06
48	78549--R1		06006051	01/06/06
49	78550--R2G		06006052	01/06/06
50	78551--S1G		06006053	01/06/06
51	78552--Z1		06006054	01/06/06
52	78553--Z2		06006055	01/06/06
53	78554--Z3		06006056	01/06/06
54	78555--Z4		06006005	01/06/06
55	78556--Z5		06006006	01/06/06
56	78557--Z6		06006007	01/06/06



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

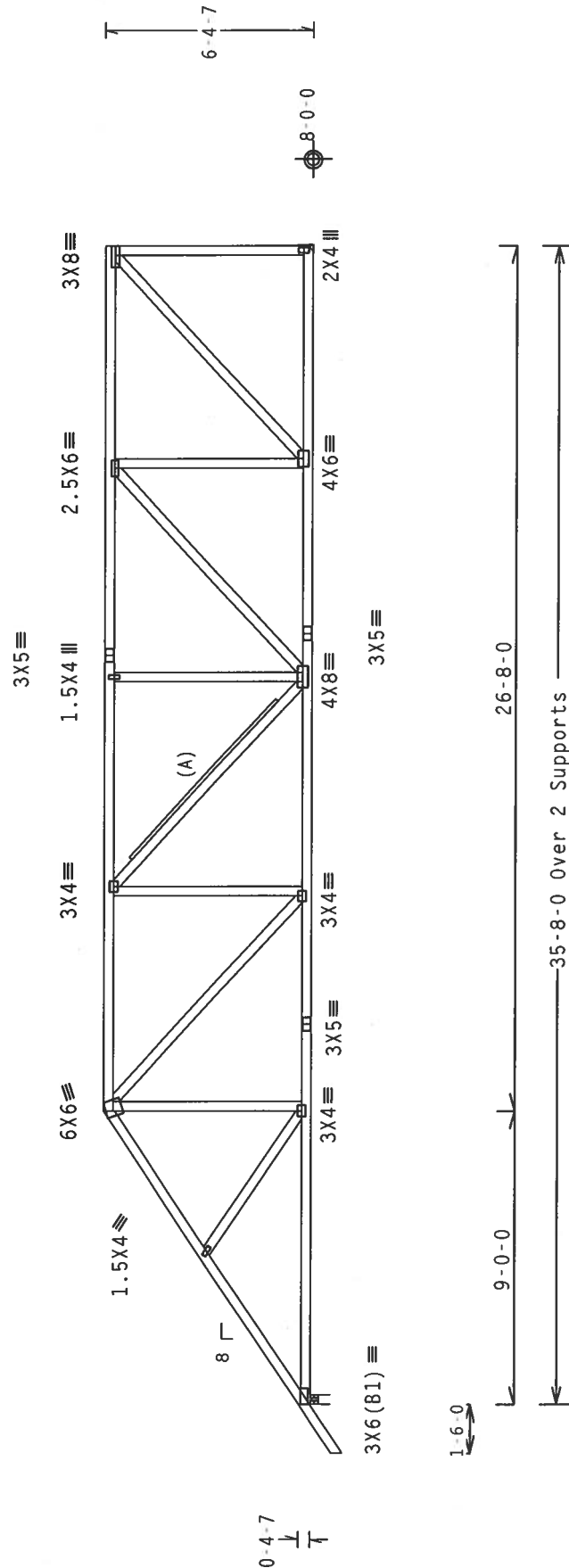
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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. Creep increase factor for dead load is 1.50.

Right end vertical not exposed to wind pressure.

(A) 1x4 SP #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.



R=1611 H=180 W=35"

-35-8-0 Over 2 Supports

R=1490 U=180 H=Simpson HUS26

w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2X6 min. So.Pine

PLT TYP. Wave

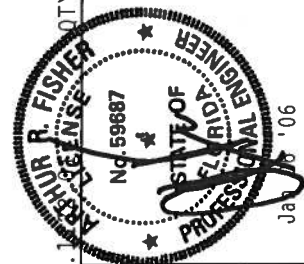
Design Crit: TPI-2002(STD)/FBC

$$Ca/RT=1.00(1.25)/10(0) \quad 7.22$$

QTY: 1 FI 1 - 141 - 1 - 181 -

****WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.**
 REFRIGERATOR TRUSSES (A BUILDING COMPONENT), PUBLISHED BY TPI (TRUSS PAPER INSTITUTE), 563
 N. O'NEAL RD., SUITE 100, CHICAGO, ILL. 60631, 312/371-1000, 312/371-1001, 312/371-1002, 312/371-1003,
 312/371-1004, 312/371-1005, 312/371-1006, 312/371-1007, 312/371-1008, 312/371-1009, 312/371-1010, 312/371-1011,
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 312/371-1268, 312/371-1269, 312/371-1270, 312/371-1271, 312/371-1272, 312/371-1273, 312/371-1274, 312/371-

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS FOR MANUFACTURING, SHIPPING, INSTALLING & BRACING OF TRUSSES. CONNECTOR PLATES ARE MADE OF 2018/T16GA (H $\frac{1}{2}$ X 2 1/2) ASTM A463 GRADE 40/60 (4" X 1/2" 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 IP11-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES 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 ANS/TP1 1 SEC. 2.



TC LL	20.0	PSF	REF R487-- 78503
TC DL	10.0	PSF	DATE 01/06/06
BC DL	10.0	PSF	DRW HCUR487 06006009
BC LL	0.0	PSF	HC-ENG JB/AF
TOT.LD.	40.0	PSF	SEQN- 73412
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1STM487_Z01

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

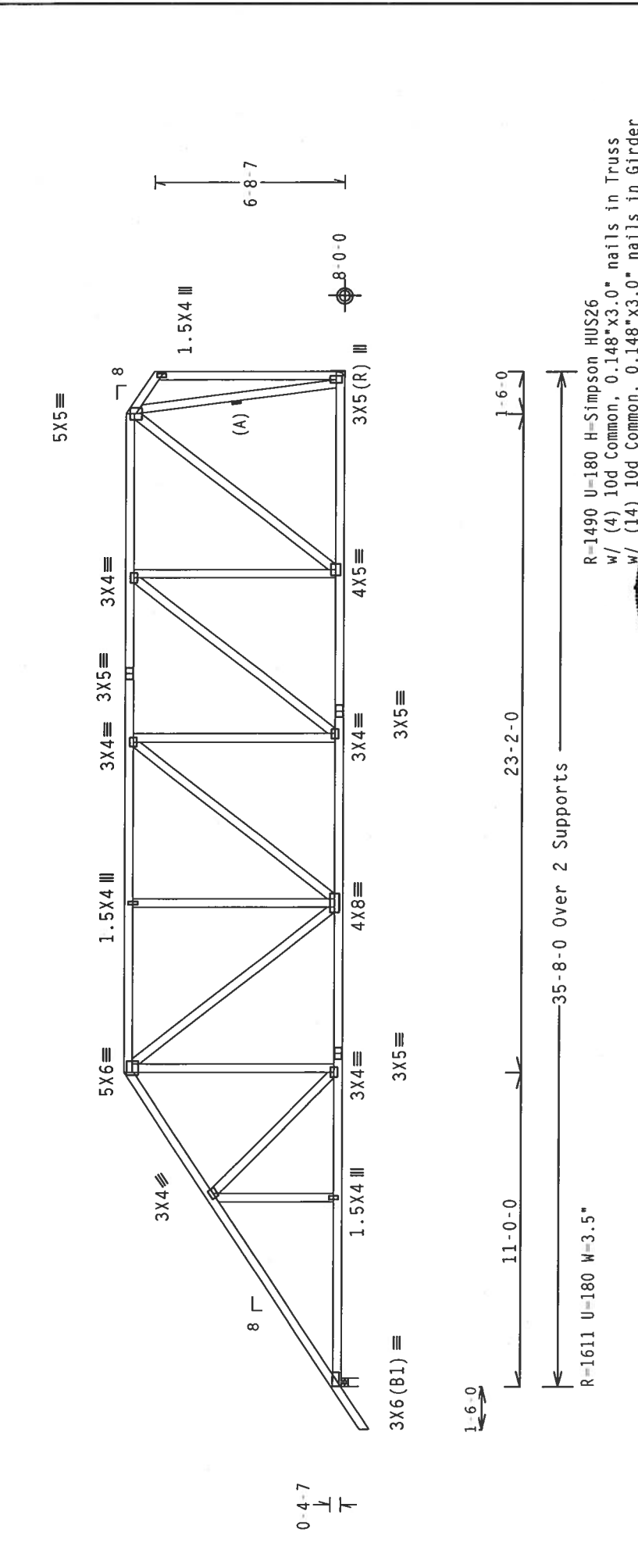
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

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

Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.



Design Crit: TPI-2002(STD)/FBC
Cg/RT=1.00(1.25)/10(0) 7.22.11

Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R487 -- 78504
TC DL	10.0 PSF	DATE	01/06/06
BC DL	10.0 PSF	DRW	HCUR487 06006010
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	73423
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1STM487_Z01

PLT TYP. Wave

ALPINE

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

Jan 06 '06

Professional Engineer
No. 59887
State of Florida

R-1490 U=180 H-Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2X6 min. So.Pine

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 DEER CREEK ROAD, MADISON, WI 53719), AND NCA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LN, MADISON, WI 53719), FOR ALL THE PRECAUTIONS TO BE FOLLOWED TO ENSURE THE TRUSS IS INSTALLED CORRECTLY. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THE DESIGN SPECIFICATIONS. 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. CONNECTOR PLATES ARE MADE OF 20/18/16GA (N-H/S/K) ASTM A653 GRADE 40/60 (N. K/H-S) GALV. STEEL. 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.

(J) hanger connection not found in inventory file for this condition. Right end vertical not exposed to wind pressure. Provide connection.

SEE DWGS TC FILLER 1103 AND BC FILLER 1103 FOR FILLER DETAILS.
 LATERALLY BRACE BOTTOM ABOVE FILLER AT 24" O.C. AND TOP
 CHORD UNDER FILLER AT 24" OC INCLUDING A LATERAL BRACE AT
 CHORD ENDS.



****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
 TC LL 20.0 PSF REF R487-- 78505
 No 59687

DATE OF INSTALLATION

INTX PROTECT ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

RC DI 10 0 PSE
DDW UCUSB497 AC006011

ALPINE

TRUSS IN CONFORMANCE WITH TPI:
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI-ALPINE

U.S. POST

HC-ENG JB/AF

Alpine Engineered Products, Inc.
1950 Markey Drive
1950 Markey Drive
Durham, N.C. 27704
1.25
DUR.FAC.
1.25

DESIGNER'S LIABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/SPRI 1 SEC. 2.	SPACING	24.0"	JREF- 1STM487 Z01
Haines City, FL 33844 Certificate of Authorization # 567			

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

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

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

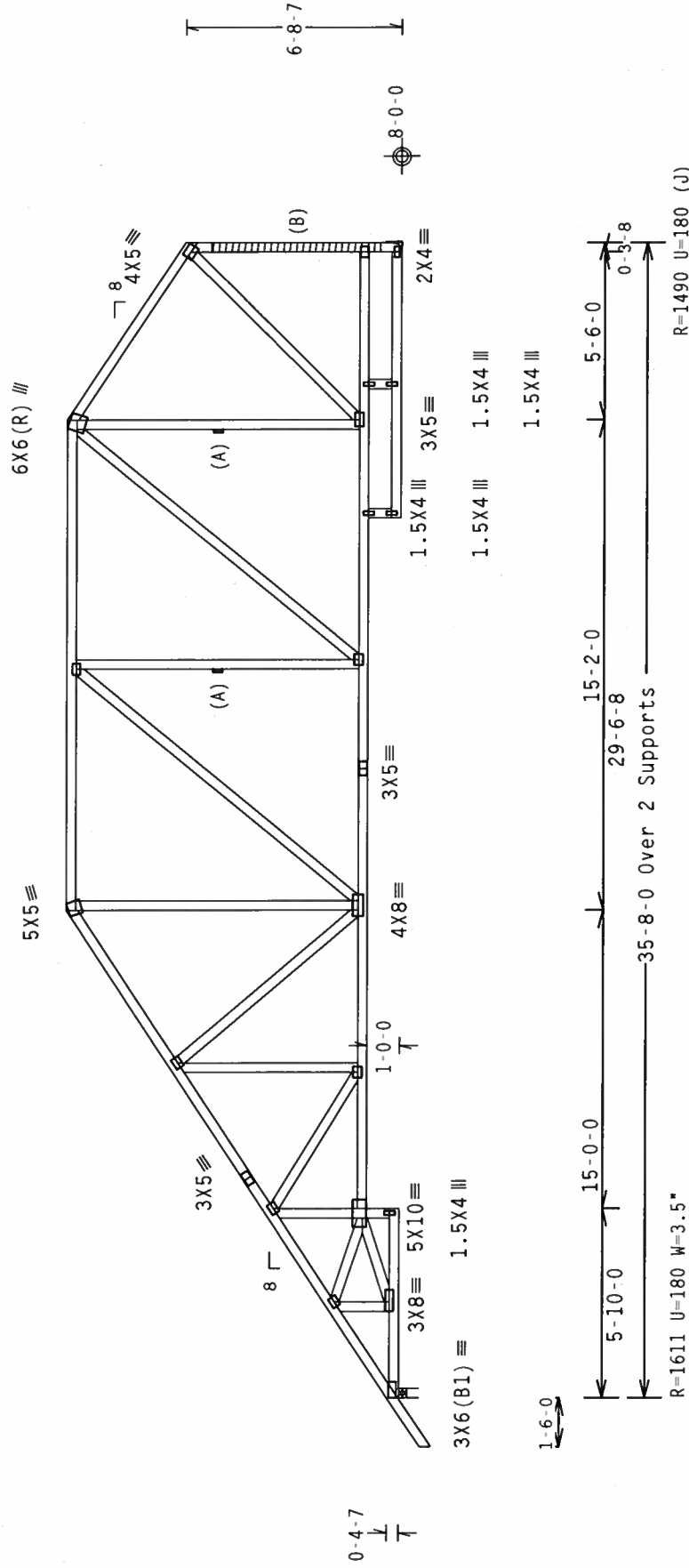
(A) Continuous lateral bracing equally spaced on member. Or 1x4 Sp #3 or better "I" brace. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

SEE DWGS TCFILLER1103 AND BCFILLER1103 FOR FILLER DETAILS.
 Laterally brace bottom chord above filler at 24" o.c. and top
 chord under filler at 24" o.c. including a lateral brace at
 chord ends.

.Right end vertical not exposed to wind pressure.

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

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

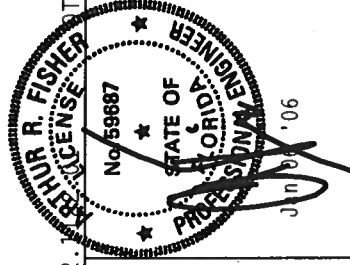


Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

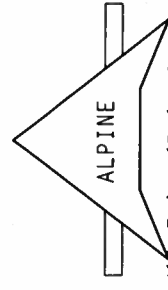
[illegible]

TC LL	20.0 PSF	REF	R487 - - 78506
TC DL	10.0 PSF	DATE	01/06/06
BC DL	10.0 PSF	DRW	HCUSR487 06006012
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	73474
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1STM487 Z01



WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TOP CHORD TRUSSES, 583 D'AMORE DR., SUITE 200, MADISON, WI 53719, AND UFGA (WOOD TRUSS COUNCIL OF AMERICA), 6000 ERIE BLVD., MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT****TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE
TRUSS IN CONFORMANCE WITH TP1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.
THIS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TP1. ALPINE
ENGINEERS SHALL BE RESPONSIBLE FOR THE CORRECTNESS OF THE INFORMATION PROVIDED HEREON REGARDING THE
PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2.
ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A.3 OF TP1-2002 SEC.3. A SEAL ON THIS
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT
OF THIS DESIGN. THE USE OF THIS DOCUMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE
BUILDING DESIGNER. REFER TO TP1-2002 SEC.



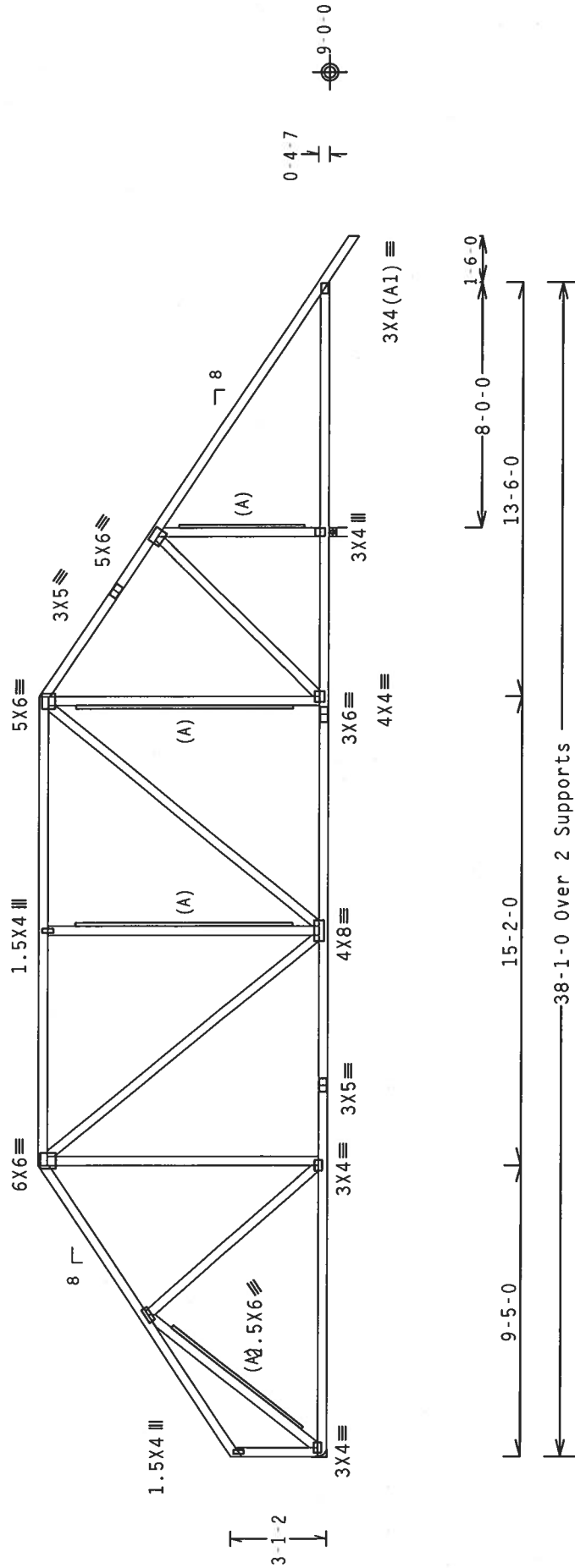
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

FL/-/4/-/-R/-	Scale =.25"/Ft.
TC LL 20.0 PSF	REF R487-- 78507
TC DL 10.0 PSF	DATE 01/06/06
BC DL 10.0 PSF	DRW HCUR487 06006013
BC LL 0.0 PSF	HC-ENG JB/AF
TOT.LD. 40.0 PSF	SEQN- 73524
DUR.FAC. 1.25	
SPACING 24.0"	JREF- 1STM487 Z01

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

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. Creep increase factor for dead load is 1.50.



R=2160 U=180 W=3.5"

R=1136 U=180 H=Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is 112V6 min. So Dip

PLT TYP. Wave

Scale = .1875"/Ft.

TC LL	20.0	PSF	REF R487-- 78508
TC DL	10.0	PSF	DATE 01/06/06
BC DL	10.0	PSF	DRW HCUR487 06006014
BC LL	0.0	PSF	HC-ENG JB/AF
TOT.LD.	40.0	PSF	SEQN- 73547
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1STM487_Z01

****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. RECESSES MUST BE CUT TO SPECIFICATIONS. FOR MORE INFORMATION, PUBLISHED BY TPI (CRUSS PLATE INSTITUTE), 983 W. DOWNEY RD., SUITE 600, CHICAGO, ILL. 60606 OR (708) 439-1000. THESE COUNCILING NOTES ARE NOT TO BE USED AS A BASIS OF DESIGN. MADISON, WI 53719. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE WORKS, CONSULT THE APPROPRIATE CODES AND STANDARDS. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID GULLING.

*****IMPORTANT***** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE CONTRACTOR SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE PRODUCTS IN ACCORDANCE WITH THE FOLLOWING INSTALLATION INSTRUCTIONS, INCLUDING THE FOLLOWING DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NATIONAL BUILDING CODES. THE TYPE AND GRADE OF CONNECTOR PLATES ARE MADE OF 20/18/16GA (U 4/25/1) ASTM A453 GRADE 40/60 (N. KJH 5) GALV STEEL PLATES TO EACH FACE OF TRUSS AND AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC 3. 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/TP1 1 SEC. 2.

JAN 06 '06

Haines City, FL 33844
 El Certificate of Authorization # 567

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

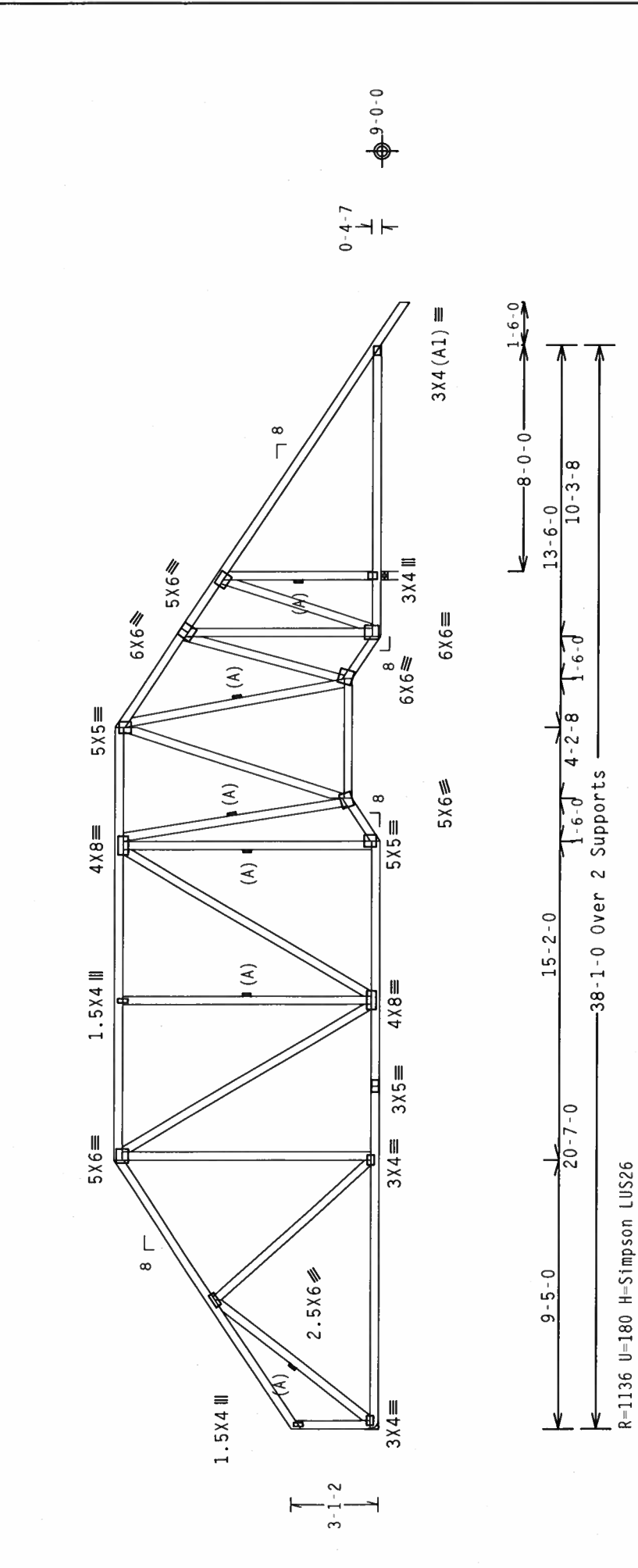
Left end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member. Or 1x4 SP #3 or better "I" brace. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=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. Creep increase factor for dead load is 1.50.



PLT TYP.. Wave

R=1136 U=180 H=Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2x6 min. So.Pi Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.18

Scale = .1875"/Ft.

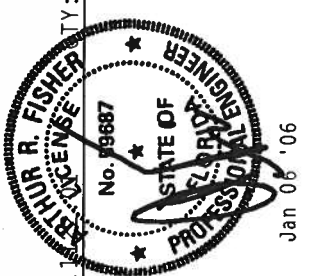
TC LL	20.0 PSF	REF	R487--	78509
TC DL	10.0 PSF	DATE	01/06/06	
BC DL	10.0 PSF	DRW	HCUSR487	06006015
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	73565	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1STM487	_Z01

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/166A (W/H/S/K) ASTM A653 GRADE 40/60 (W. K/M.S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/166A (W/H/S/K) ASTM A653 GRADE 40/60 (W. K/M.S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT 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 # 557



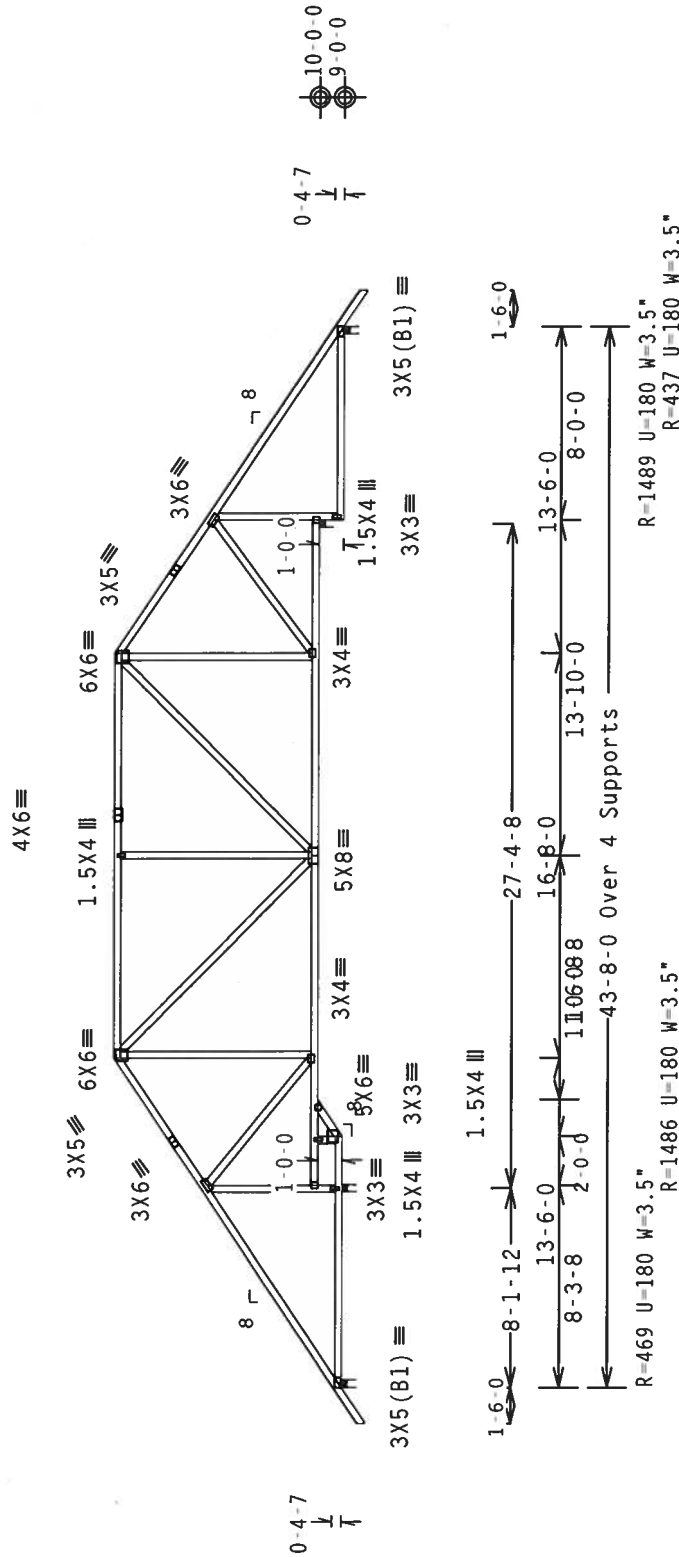
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # S67

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

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

SEE DWGS TCFILLER1103 AND BCFILLER1103 FOR FILLER DETAILS.
 Laterally brace bottom chord above filler at 24" o.c. and top
 chord under filler at 24" o.c. including a lateral brace at
 chord ends.



Design Crit: TPI-2002(STD)/FBC

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

7.

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

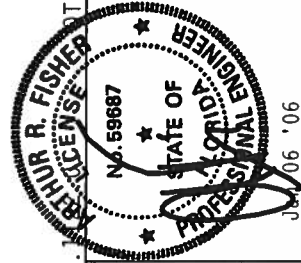
Scale = .125"/Ft.

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 5031 D'AMORIO DR., SUITE 200, MADISON, WI 53719, AND NITA (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.

****PRODUCT**** FURNISH A COPY OF THE INSTALLATION CONTRACTOR'S ALPINE ENGINEERING REPORT TO THE TRUSS MANUFACTURER AND THE BUILDING DEPARTMENT. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING TYPICAL DETAILS FOR TRUSSES (ISSUED BY ARKS) AND THE ALPINE ENGINEERING REPORT SHALL BE THE RESPONSIBILITY OF THE TRUSS COMPONENT MANUFACTURER.

CONNECTOR PLATES ARE MADE OF 10/18/16GA W X 5/8" ASTM A572 50 GRADE 90/60 C STEEL PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA 2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEX A3 OF TP1-2002 SEC.3.

THE TRUSS MANUFACTURER AND PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN THE SUITABILITY OF THIS CONNECTION FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMEX/TP1 1 SEC. 2.



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

Haines City, FL 33844
FL Certificate of Amendment # 567

	Top chord	2x4	SP #2	Dense
Bot chord	2x6	SP #2	:B1	2x6 SP #1 Dense:
	webs	2x4	SP #3	

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

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

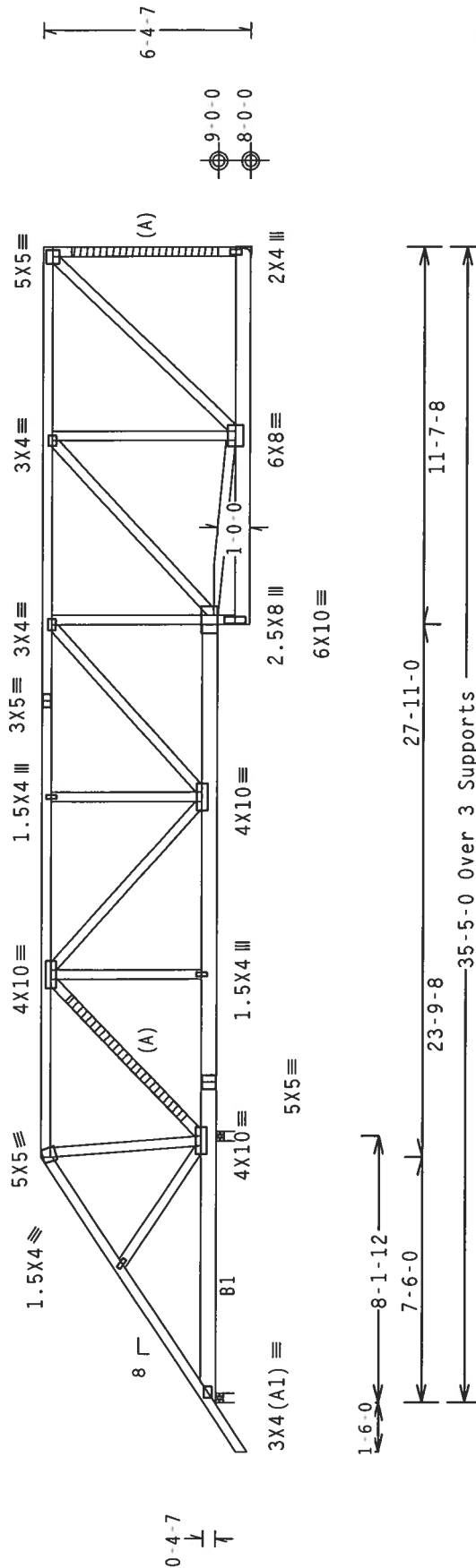
(A) SP #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3", min.) nails @ 6" OC.

SPECIAL LOADS

		(LUMBER	DUR.FAC.=1.25	/	PLATE	DUR.FAC.=1.25)
TC	From	64 PLF	at 1.50	to	64 PLF	at 35.42
BC	From	5 PLF	at 1.50	to	5 PLF	at 0.00
BC	From	20 PLF	at 0.00	to	20 PLF	at 23.79
BC	From	20 PLF	at 23.79	to	20 PLF	at 35.42
BC	From	345 LB	Conc. Load	at 1.56		
BC	From	366 LB	Conc. Load	at 3.56		5.56
BC	From	362 LB	Conc. Load	at 7.56		
BC	From	253 LB	Conc. Load	at 25.56		27.56, 29.56, 31.56

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.



R=1944 U=234 H=Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Spreader is (1)2X6 min. So.Pine

Scale = .1875"/Ft.

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

1. **QUANTITY:** 1

7.22

$$Cq/RT=1.00(1.25)/10(0)$$
[illegible]

PLT TYP. Wave

TC LL	20.0 PSF	REF	R487--	78512
TC DL	10.0 PSF	DATE	01/06/06	
BC DL	10.0 PSF	DRW	HCUSR487	06006018
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	73624	
DUR.FAC.	1.25			
SPACING-	24.0"	JREF-	1STM487_Z01	

NO. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Jan 06 '06

BRACING.
TUTE. 583
PRISE LN.
INDICATED.
ATTACHED

[illegible][illegible]

****WARNING**** TRUSSES REQUIRE
REFER TO BC31 1-03 (BUILDING
D'ONOFIO DR. SUITE 200, M
MADISON, WI 53719) FOR SAFETY
TOP CHORD SHALL HAVE PROPER
RIGID CEILING.

****IMPORTANT**** FURNISH A
PRODUCTS, INC. SHALL NOT B
TRUSS IN CONFORMANCE WITH
DESIGN CONFORMS WITH APPLIC
CONNECTOR PLATES ARE MADE C
PLATES TO EACH FACE OF TRUS
ANY INSPECTION OF PLATES FOR
DRAWING INDICATES ACCEPTAN
DESIGN SHOWN. THE SUITAB
BUILDING DESIGNER PER ANSI



Alpine Engineered Products, Inc.
 1950 Murray Ave.
 Hammes City, FL 33844
 FL Certificate of Authorization # 567

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

:W7 2x4 SP #2:

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

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

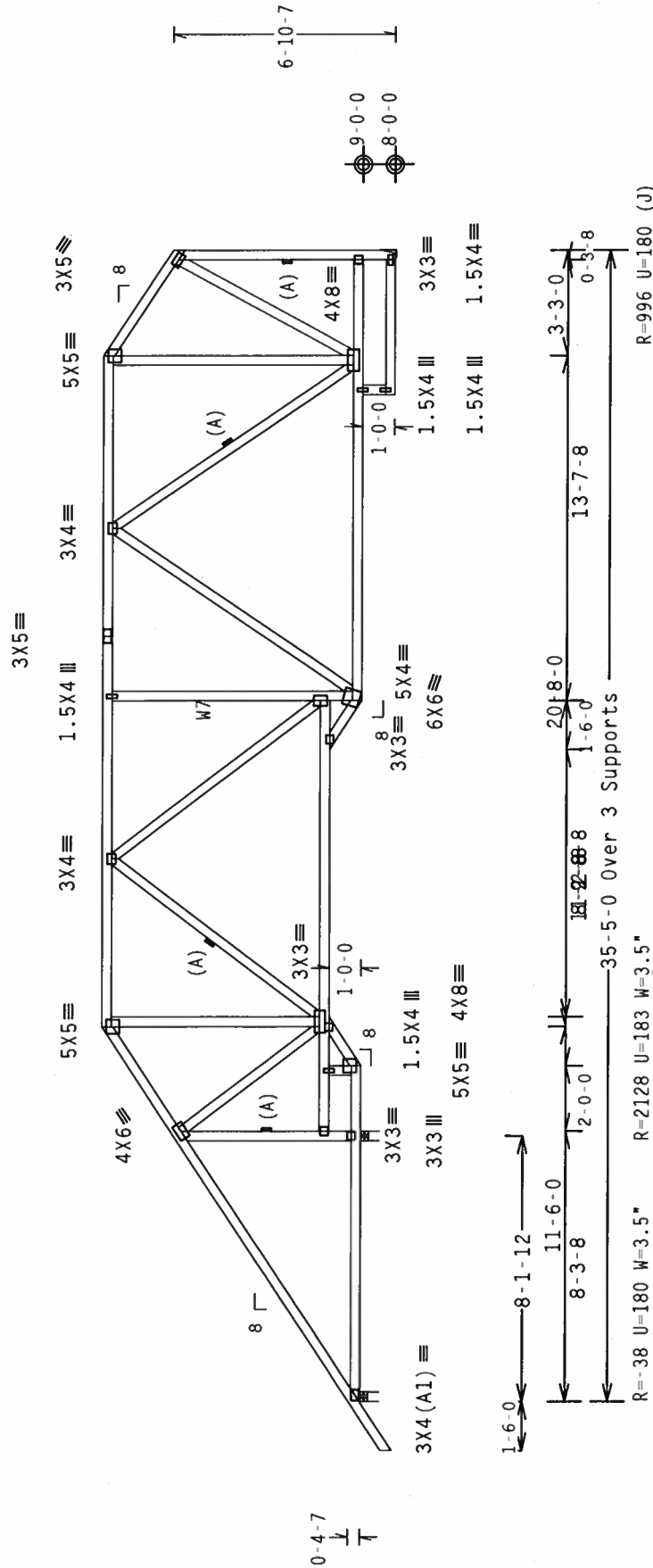
Right end vertical not exposed to wind pressure.

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

(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.

SEE DWGS TC FILLER1103 AND 8C FILLER1103 FOR FILLER DETAILS.
 1. LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 24" O.C. AND TOP
 2. CHORD UNDER FILLER AT 24" O.C. INCLUDING A LATERAL BRACE AT
 3. CHORD ENDS.



R = -38 U = 180 W = 3.5" R = 2128 U = 183 W = 3.5"

R=996 U=180 (J)

Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/10(0)$ 7.22.1

Scale = .1875"/Ft.

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

ARTICLE 10. CENSURE

7.22.1

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

;

5

have

TYP. W

PLT

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 PRACTICE INSTITUTE, 500 D'AMORE DR., SUITE 200, MADISON, WI 53719), AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE DR., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

***IMPORTANT** FURNISH A COPY OF THE INSTALLATION CONTRACTOR'S DESIGN TO THE ALPINE ENGINEERING COMPANY, INC. SHALL 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. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MODS (NATIONAL DESIGN SPEC. BY AFAPA) AND ALPINE TRUSS COMPANY'S TRUSS MANUFACTURING SPECIFICATIONS. THE TRUSS SHALL BE BUILT TO THE FOLLOWING SPECIFICATIONS: PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 160A-2. ANY APPLICATION 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 OF THIS BUILDING. THE USE OF THIS CONSENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX TP11-1 SEC. 3.



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # S67

Haines City, FL 33844
FL Certificate of Authorization # S67

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

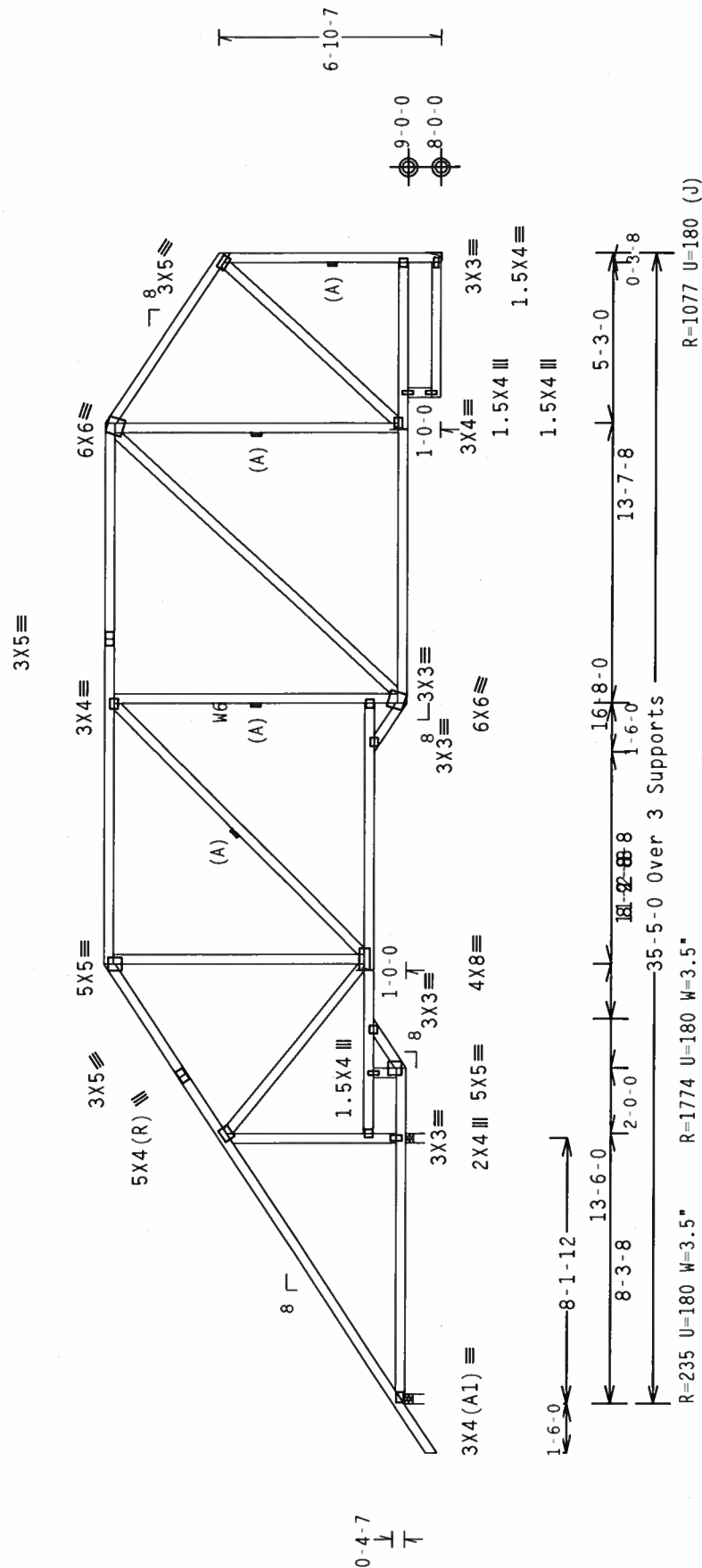
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Calculated horizontal deflection is 0.10" due to live load and 0.16" due to dead load.

(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.

SEE DWGS TCFiller1103 AND BCFiller1103 FOR FILLER DETAILS.
 Laterally brace bottom chord above filler at 24" O.C. and top
 chord under filler at 24" OC including a lateral brace at
 chord ends.



PLT TYP. Wave

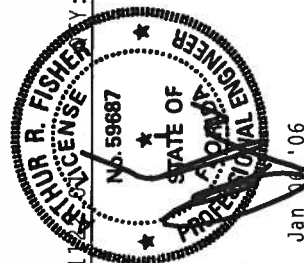
Design Crit: TPI-2002(STD)/FBC
Ca/RT=1.00(1.25)
$$Cq/RT = 1.00(1.25)/10(0) \quad 7.22 \cdot 10^{-2}$$

ELI-1411-1R/-

$$\text{Scale} = 1875''/\text{ft}$$

*WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. FOR MORE INFORMATION, PUBLISHED BY TPI (TRUSS PANEL INSTITUTE), 983 S. GUNFLOYER RD., SUITE 100, MADISON, WI 53711. FOR SPECIFICATIONS PRIOR TO PERFORMING THESE CONSTRUCTION OPERATIONS, PLEASE CONTACT THE MANUFACTURER OF THE TRUSS INDICATED. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

IMPORTANT: FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: PROVISIONS FOR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, CONNECTOR PLATES AND JOINTS (NATIONAL DESIGN SPEC., BY AIA/AIA) AND STEEL JOINTS (AISC 360) SHALL BE THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2. PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER FIGURE 2. IF 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 SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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1950 Marley Drive
Haines City, FL 33844

Haines City, FL 33844
El Certificate of Authentications # 567

SPACING	24.0"	JREF- 1STM487 701
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FL Certificate of Authorization # 56'

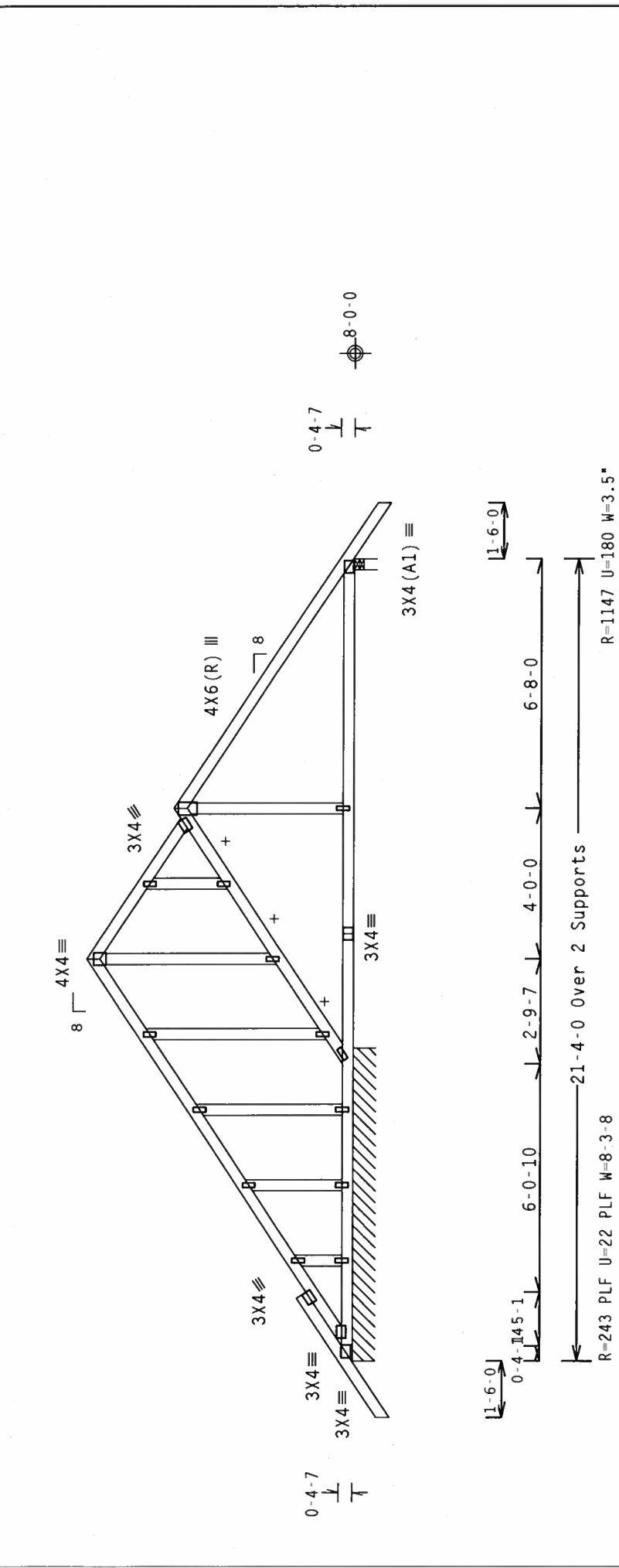
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

+ MEMBER TO BE laterally braced for horizontal wind loads. BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.

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

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



Note: All Plates Are 1.5X4 Except As Shown.
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.1

PLT TYP. Wave

Scale = .25"/Ft.

TC LL	20.0 PSF	REF	R487--	78517
TC DL	10.0 PSF	DATE	01/06/06	
BC DL	10.0 PSF	DRW	HCUSR487	06006023
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	73318	REV
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1STM487_Z01	

ALPINE

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

FL Certificate of Authorization # 567

Professional Engineer
No. 99887
STATE OF FLORIDA
JAN 06 2006

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI L-03 (BUILDING COMPONENT SAFETY) AND AISC (WOOD TRUSS COUNCIL OF AMERICA) PLATING SPECIFICATIONS. MADISON, WI 53719. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.**
REFER TO BC51 110 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE). 583

NO. 59887	TC LL	20.0 PSF	REF R487 -- 78518
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THE STATE OF
PENNSYLVANIA
COUNTY OF _____

BEFORE ME, the undersigned authority, on this _____ day of _____, 20____, personally appeared _____, known to me to be the person whose name is subscribed to the foregoing instrument, acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this _____ day of _____, 20____.

Notary Public in and for the State of Pennsylvania

My Commission Expires: _____

RDW WCHSR497 060006003

RC NI 10 0 DSE

ALPINE

ALPINE TRUSS SYSTEM

DESIGN CONFORMS WITH TPI: PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY A&P) AND TPI. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY A&P) AND TPI. TRUSS IN CONFORMANCE WITH TPI: PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY A&P) AND TPI. TRUSS IN CONFORMANCE WITH TPI: PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY A&P) AND TPI.

BC LL

U.O PST

HC-ENG JB/AF

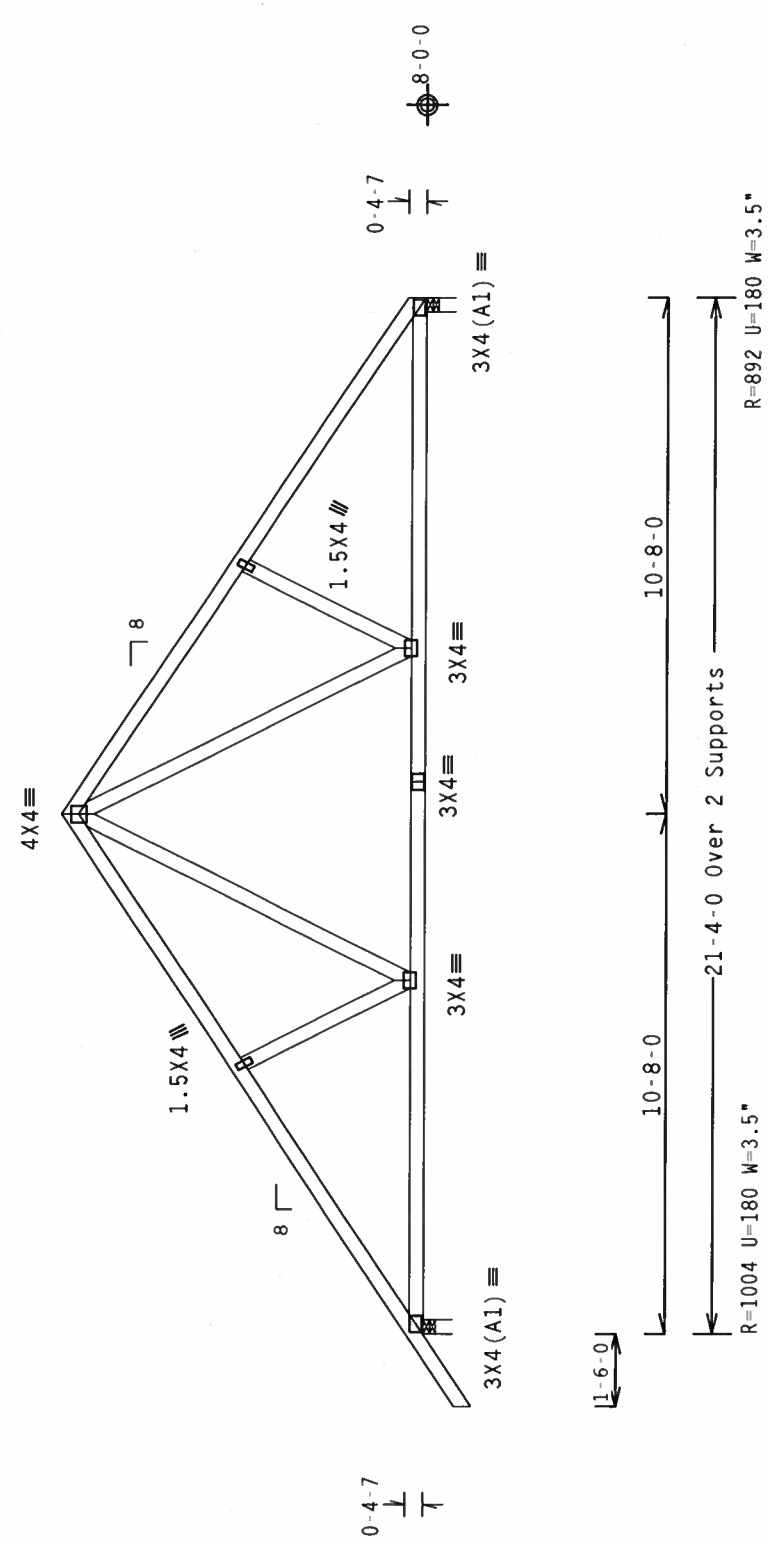
Alpine Engineered Products, Inc.
1930 Marley Drive
Durham, NC 27704
1-800-368-2262
www.alpineeng.com

FL Certificate of Authorization # 567	SPACING	24.0"	JREF - 1STM487_Z01
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Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/(10(0)) 7.22.1

Scale = .25"/Ft.

REF	R487--	78519
DATE	01/06/06	
DRW	HCUSR487	06006002
HC-ENG	JB/AF	*
SEQN	73286	
DUR.FAC.	1.25	
SPACING	24.0"	
JREF	1STM487_Z01	

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

ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (N-H/S/K) ASTM A653 GRADE 40/60 (N. K/H-S) GALV. STEEL. APPLY LATER SPECIFIC OF EACH TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEER RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

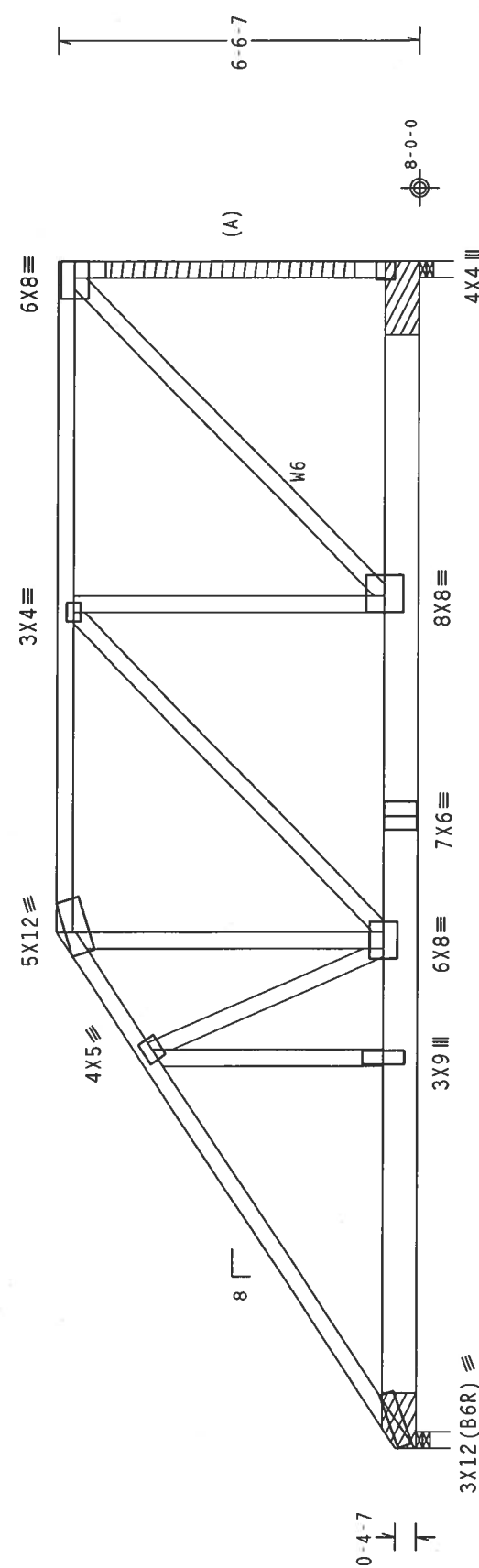
Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP SS
Webs 2x4 SP #3 : W6 2x4 SP #2 Dense:
Trusses or components connecting to this girder have been modified by the truss designer. The loading for this girder requires verification for accuracy.

SPECIAL LOADS
----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at 0.00 to 64 PLF at 21.33
BC - From 20 PLF at 0.00 to 20 PLF at 8.00
BC - From 721 PLF at 8.00 to 721 PLF at 21.33
BC - 3187 LB Conc. Load at 7.00
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Common (0.148"x3.25".min.)_nails)
Top Chord: 1 Row @12.00" O.C.
Bot Chord: 1 Row @3.75" O.C.
Webs : 1 Row @ 4" O.C.
Use equal spacing between rows and stagger nails in each row to avoid splitting.
Bearing blocks: Nail type: 12d Common (0.148"x3.25".min.)_nails
BRG X-LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE
1 0.000' 1 12" 4 Match Truss
2 21.042' 1 16" 18 Match Truss
Bearing block to be same size and species as bottom chord.
Refer to drawing CNBRGBLK1103 for additional information.
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.

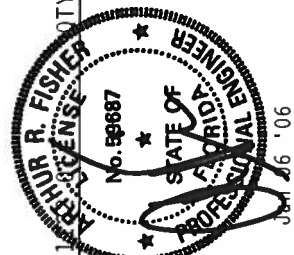


9-3-0 12-1-0 6-6-7 8-0-0
R=6000 U=641 W=3.5"
R=8329 U=890 W=3.5"

21-4-0 Over 2 Supports

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave	7.22.1	FL/-/4/-/R/-	Scale =.3125"/Ft.
TC LL	20.0 PSF	REF	R487-- 78520
TC DL	10.0 PSF	DATE	01/06/06
BC DL	10.0 PSF	DRW	HCUSR487 06006024
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	73507
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1STM487_Z01



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

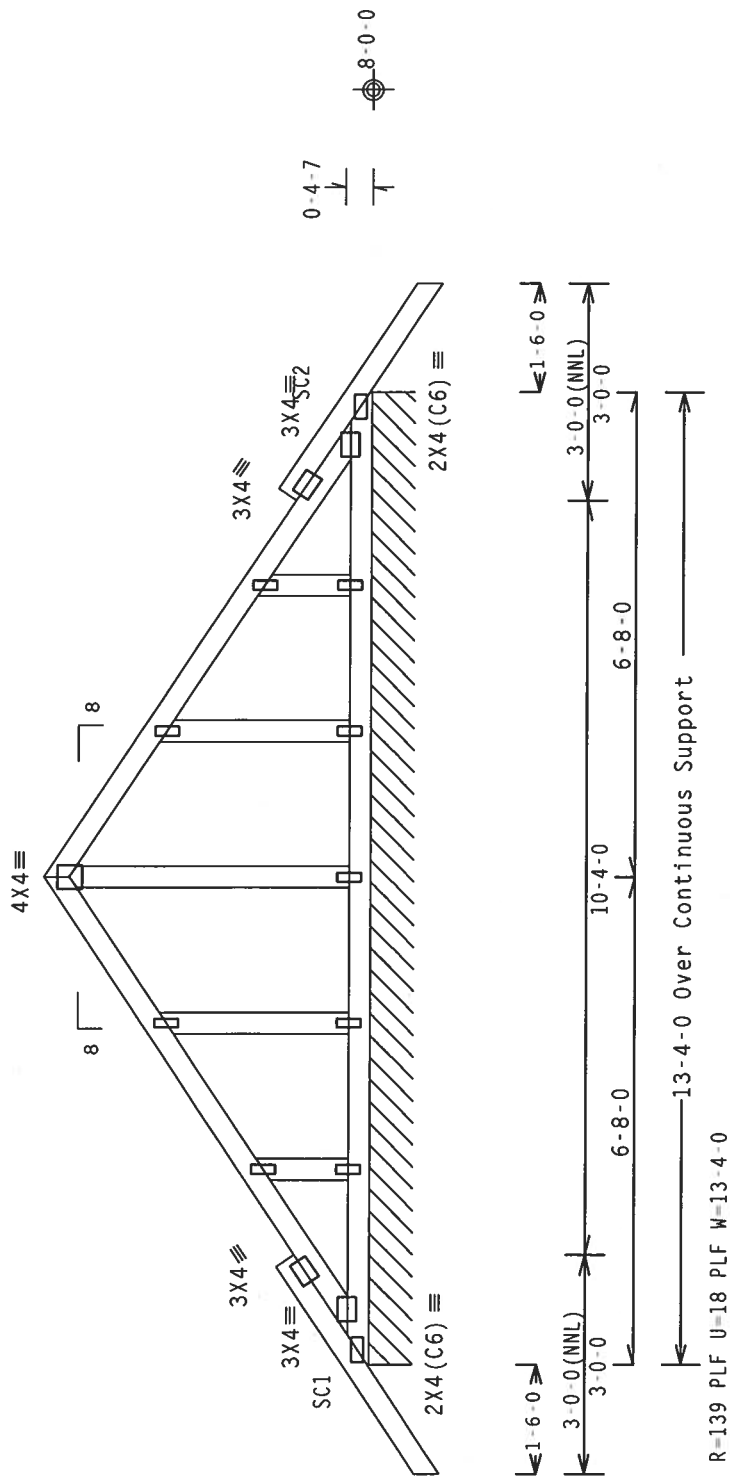
See DWGS A11015EE0405 & GBLLETIN0405 for more requirements.

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

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

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

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



Note: All Plates Are 1.5X4 Except As Shown.
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.1

PLT TYP. Wave

Scale = .375" / Ft.

REF	R487--	78521
DATE	01/06/06	
DRW	HCUSR487	06006025
HC-ENG	JB/AF	
SEQN-	73324	REV
DUR.FAC.	1.25	
SPACING	24.0"	

JAN 06 '06

ARTHUR J. FISHER
No. 59887
STATE OF FLORIDA
PROFESSIONAL ENGINEER

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING CODES, SPECIFICATIONS, AND AISC (WOOD TRUSS COUNCIL OF AMERICA) ENTERPRISE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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ALPINE
Alpine Engineered Products, Inc.
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
:Stack Chord SC1 2x4 SP #2 Dense:
:Stack Chord SC2 2x4 SP #2 Dense:

See DWGS A11015EE0405 & GBLLETI0405 for more requirements.
In lieu of structural panels use purlins to brace TC @ 24" OC.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

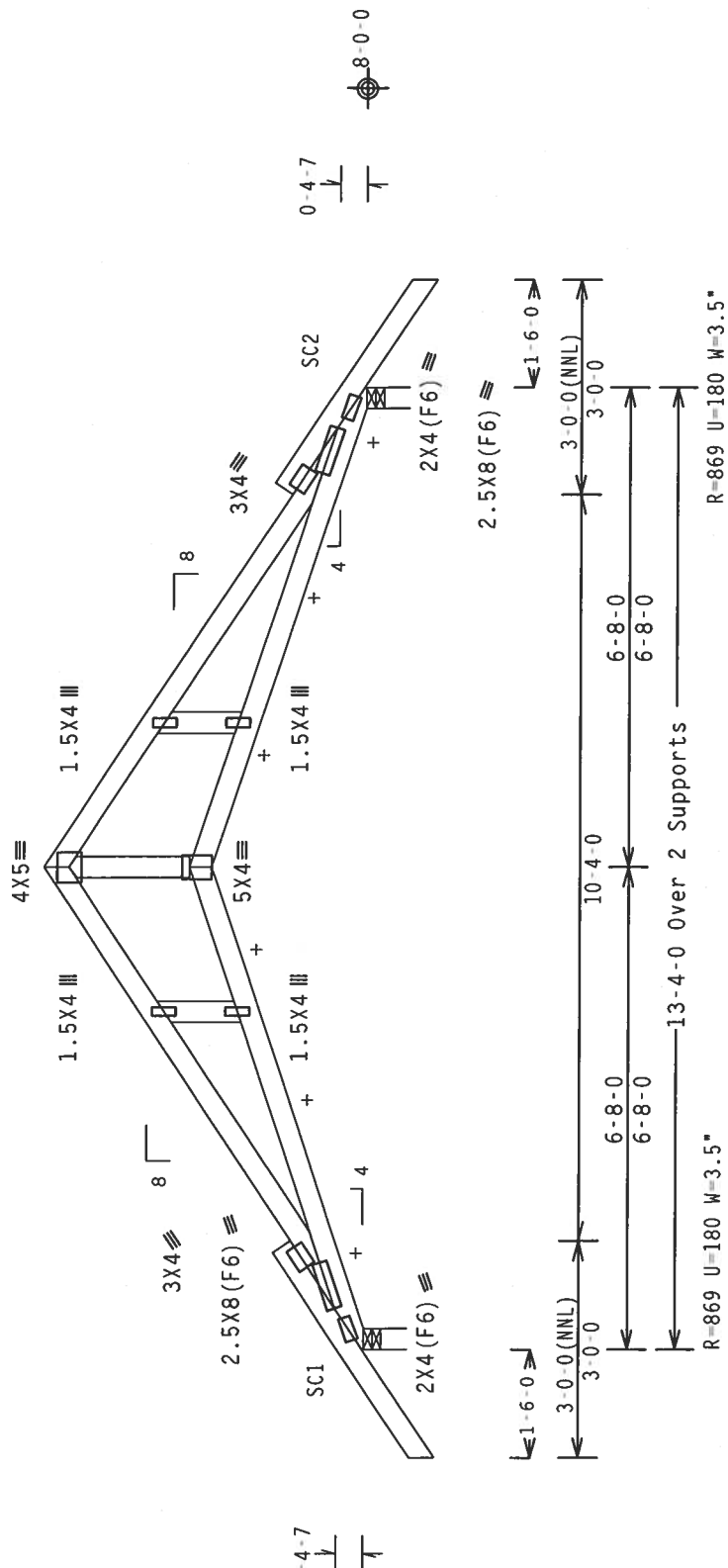
+ MEMBER TO BE LATERALLY BRACED FOR HORIZONTAL WIND LOADS.
BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.

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

Gable end supports 8" max rake overhang.

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

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.1

Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R487 --	78522
TC DL	10.0 PSF	DATE	01/06/06	
BC DL	10.0 PSF	DRW	HCUR487	06006026
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	22144	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1STM487_Z01	

ALPINE

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

FL Certificate of Authorization # 567

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

06 '06

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

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ALPINE
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 FL Certificate of Authorization # 567

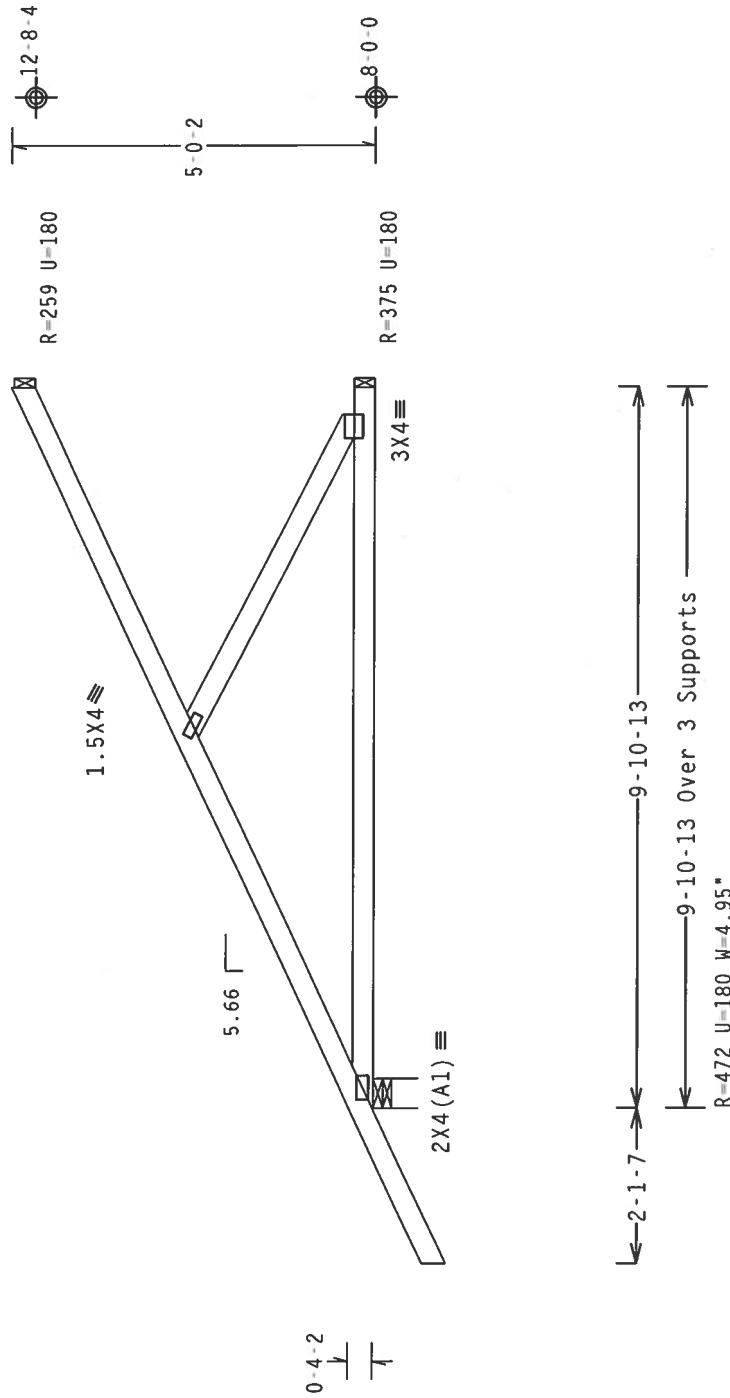
	Top	Bot	Dense
#2	chord	chord	Dense
#2	SP	SP	Dense
#3	Webs	Webs	Dense

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

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

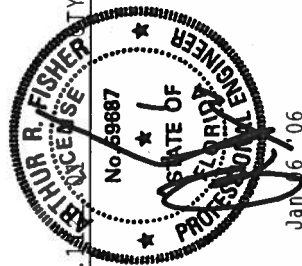
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (3) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

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)/

Scale = .375"/Ft.

TC LL	20.0	PSF	REF R487-- 78524
TC DL	10.0	PSF	DATE 01/06/06
BC DL	10.0	PSF	DRW HCU8R487 06006027
BC LL	0.0	PSF	HC-ENG JB/AF
TOT.LD.	40.0	PSF	SEQN- 73269
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1STM487_Z01



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 BESS-1 (0) BUILDING COMPONENT SAFETY (INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 583 N. 1017 2ND AVE. SPOKANE, ID 83402 AND WICK (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE CIRCLE, MADISON, WI 53719) FOR GUIDANCE AND PRECAUTIONS TO PREVENTING THESE ACTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID FETTING.

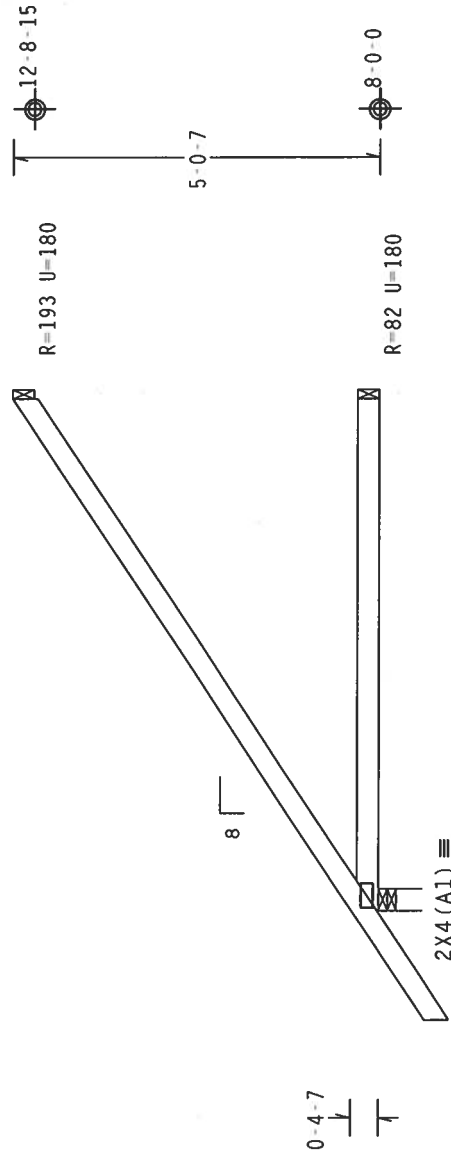
INFORMANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. THIS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MOS (NATIONAL DESIGN SPEC. BY AFSPA) AND TYPICAL ALPINE TRUSS CONNECTIONS. ALL TRUSS PLATES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ALL TRUSS PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF THIS PROJECT. THE USE OF THIS COMMENT FOR ANY BUILDING IS AT THE DISCRETION OF THE BUILDING DESIGNER PER ANNEX TP11-1 SEC. 3.

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

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

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



LE1-6-07

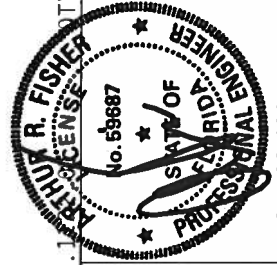
7-0-0 Over 3 Supports

R=417 U=180 W=3.5"

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

Scale = .375"/Ft.

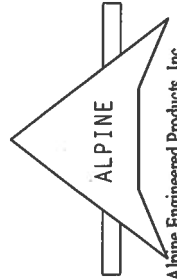
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TC DL	10.0	PSF	DATE 01/06/06
BC DL	10.0	PSF	DRW HCUR8487 06006028
BC LL	0.0	PSF	HC-ENG JB/AF
TOT.LD.	40.0	PSF	SEQN- 73247
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1STM487_Z01



Jan 06 '06

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. 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 ENGINEERS & 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 CONFORMANCE WITH APPLICABLE PROVISIONS OF NOS (NATIONAL DESIGN SPEC. BY AFAPI) AND TP1, ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (MM/H/S/K) ASTM A653 GRADE 40 (60 W./K.H.S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND (UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA-2. AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX 43 OF TP1-2002 SEC.3. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1-1 SEC. 2.



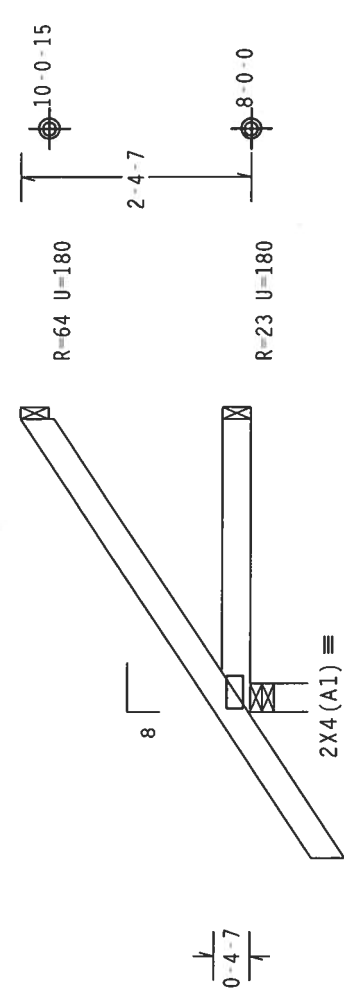
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

REF	R487 --	78526
DATE	01/06/06	
DRW	HCUSR487	0600602
HC - ENG	JB/AF	
SEQN -	73232	
JREF -	1STM487	701

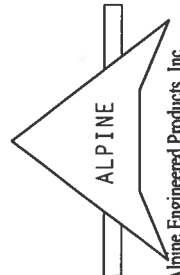
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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

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.



PLT TYP. Wave



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

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.1

Scale = .5" / Ft.

REF	R487--	78527
DATE	01/06/06	
DRW	HCUSR487	06006030
HC-ENG	JB/AF	
SEQN-	73230	
DUR.FAC.	1.25	
SPACING	24.0"	

JRN 11 '06

Scale = .5" / Ft.

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

JRN 11 '06

ALPINE

FL Certificate of Authorization # 567

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

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

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.

Trusses or components connecting to this girder have been modified by the truss designer. The loading for this girder requires verification for accuracy.

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



←1-6-0→
1-0-0 Over 3 Supports
R=261 U=180 W=3.5"

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.11

PLT TYP. Wave

Scale = .5" / Ft.

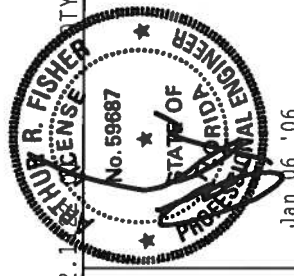
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TC DL	10.0	PSF	DATE	01/06/06	
BC DL	10.0	PSF	DRW	HCUSR487	06006031
BC LL	0.0	PSF	HC-ENG	JB/AF	
TOT.LD.	40.0	PSF	SEQN-	73226	
DUR.FAC.	1.25				
SPACING	24.0"				JREF- 1STM487_Z01

ALPINE
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1950 Marley Drive
Haines City, FL 33844
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PLT TYP. Wave

ALPINE

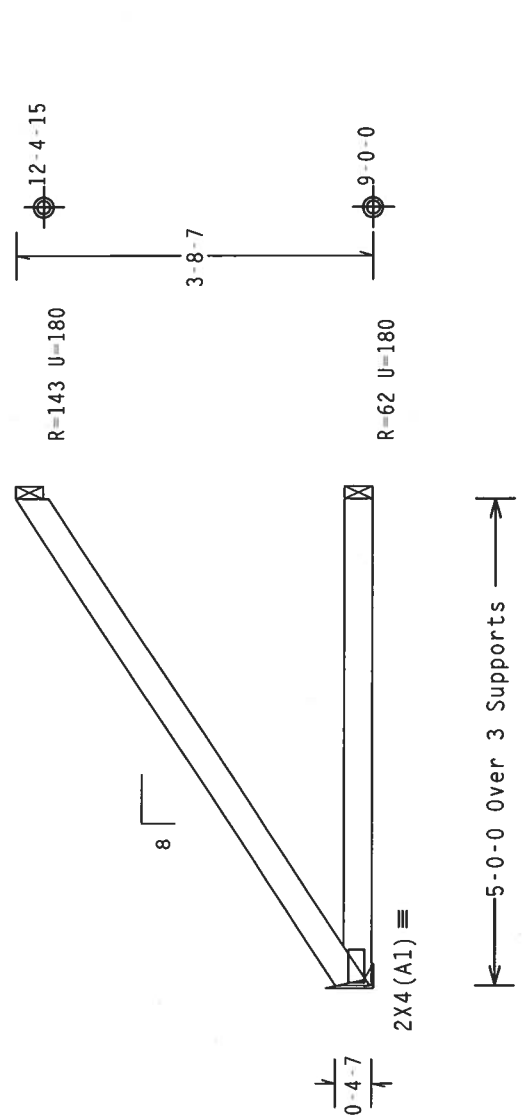
ALPINE ENGINEERED PRODUCTS, INC.
1950 MARLEY DRIVE
HAINES CITY, FL 33844
FL CERTIFICATE OF AUTHORIZATION # 567



Jan 06 '06

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
(J) hanger connection not found in inventory file for this condition.
Provide connection.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=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-215 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. (H)

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.1

Scale = 5"/Ft.

ALPINE

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

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****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY ACPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (N-H/S/K) ASTM A653 GRADE 40/60 (N. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. A SEAL ON THIS DRAWING SHALL BE THE SIGNATURE OF THE PROFESSIONAL ENGINEER FOR THE TRUSS COMPANY. 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.

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--	78530
DATE	01/06/06	
DRW	HCUSR487	06006033
HC-ENG	JB/AF	
SEQN-	73240	
JREF-	1STM487_Z01	

FL Certificate of Authorization # 567

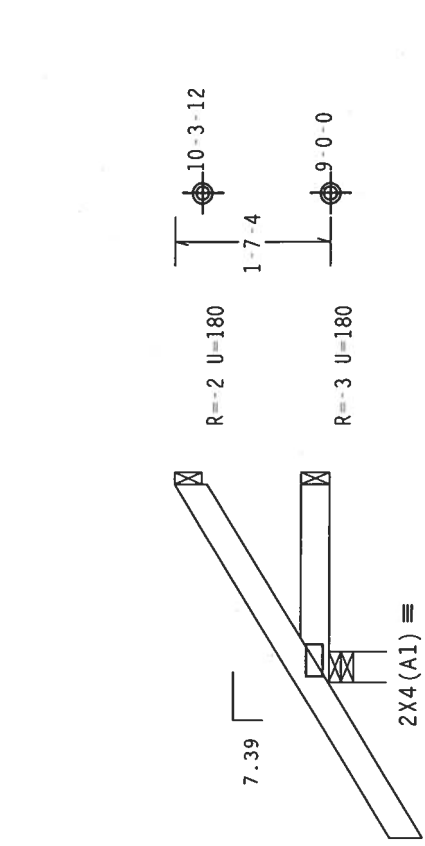
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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.

Trusses or components connecting to this girder have been modified by the truss designer. The loading for this girder requires verification for accuracy.

Hipjack supports 1-5-4 setback jacks with no webs.

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



2-0-6 Over 3 Supports
R=91 U=180 W=3.788"

PLT TYP. Wave

ALPINE

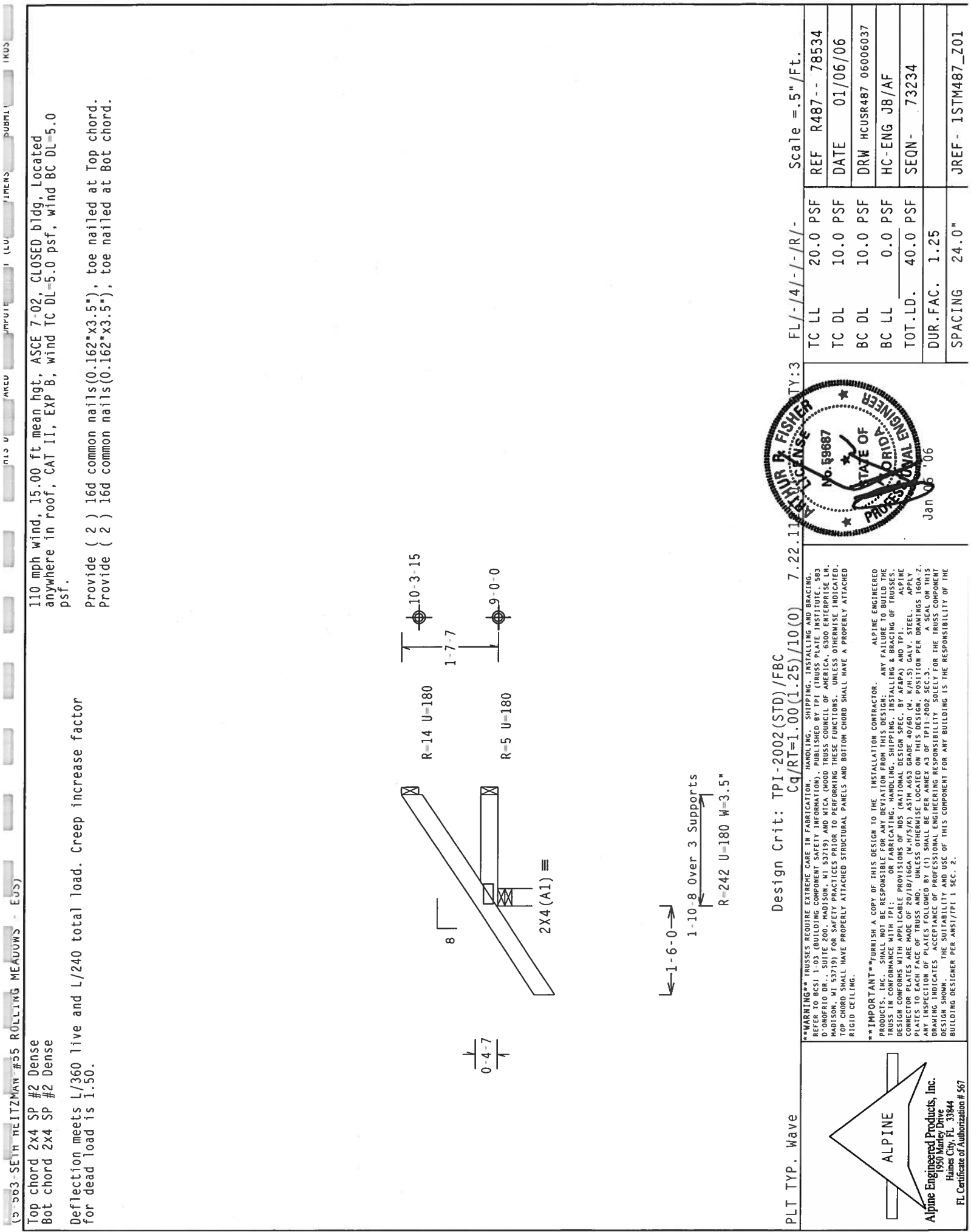
Alpine Engineered Products, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22

Scale = .5"/Ft.

TC LL	20.0 PSF	REF	R487--	78533
TC DL	10.0 PSF	DATE	01/06/06	
BC DL	10.0 PSF	DRW	HCUSR487	06006036
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	73253	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1STM487_Z01	

ESTHUR R. FISHER
Professional Engineer
No. 59887
State of Florida
Jan 06



19-563-SETH HEITZMAN #55 ROLLING MEADOWS - EJE2

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

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

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

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.1

Scale = .5" / Ft.

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

REF R487 -- 78535
DATE 01/06/06
DRW HCUSR487 06006038
HC-ENG JB/AF
SEQN - 73237
JREF - 1STM487_Z01

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

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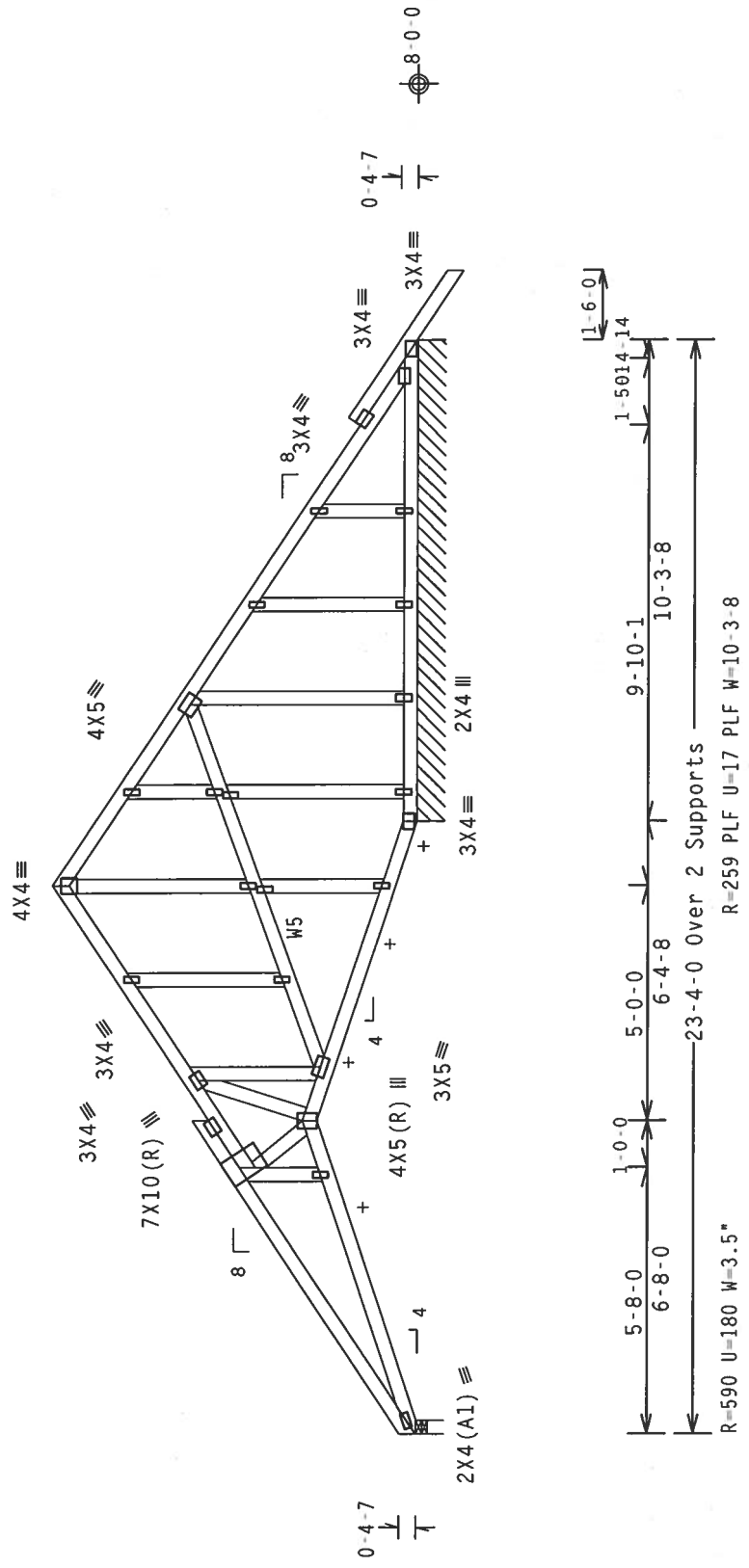
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (M/H/S/K) ASTM A653 GRADE 40/60 (M, K/H-S) GALV. STEEL. APPLY PLATES EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ALWAYS SPECIFY TPI-2002, SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEER RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 : W5 2x4 SP #2 Dense:
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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

+ MEMBER TO BE Laterally Braced for HORIZONTAL WIND LOADS. BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.

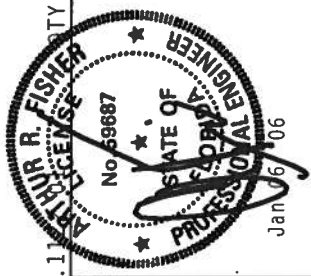
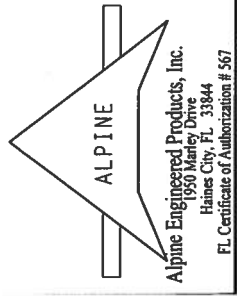


Note: All Plates Are 1.5X4 Except As Shown.
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/(10.0) 7.22.11
Scale = .25"/Ft.

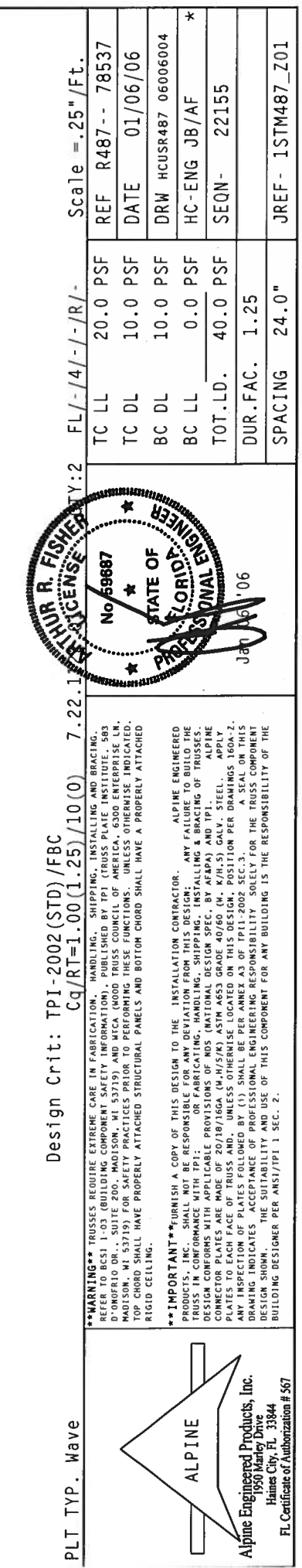
PLT TYP. Wave	TC LL	20.0 PSF	REF	R487 --	78536
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	BC DL	10.0 PSF	DRW	HCUSR487	06006039
	BC LL	0.0 PSF	HC-ENG	JB/AF	
	TOT.LD.	40.0 PSF	SEQN-	22173	REV
	DUR.FAC.	1.25			
	SPACING	24.0"	JREF-	1STM487_Z01	

****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 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.

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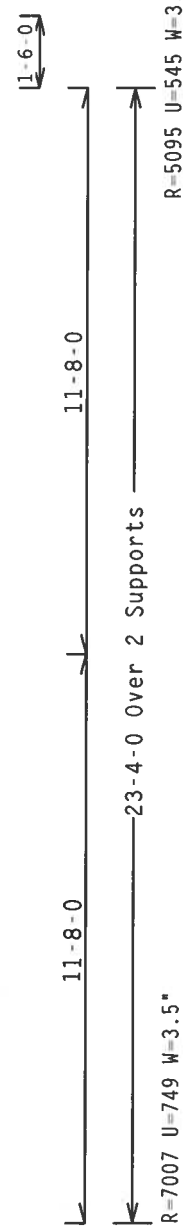
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



Webs 2x4 SP #3 :W4, W5, W6 2x4 SP #2 Dense:
 SPECIAL LOADS
 ----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
 TC - From 64 PLF at 0.00 to 64 PLF at 24.83
 BC - From 548 PLF at 0.00 to 548 PLF at 15.33
 BC - From 20 PLF at 15.33 to 20 PLF at 23.33
 BC - From 5 PLF at 23.33 to 5 PLF at 24.83
 BC - 1944 LB Conc. Load at 16.33
 11110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located
 within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind
 BC DL=5.0 psf.

1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located.
BC - From roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind
BC DL=5.0 psf.
BC - 1944 LB Conc. Load at 16.33
5 PLF at 23.33 to 5 PLF at 24.83
5 PLF at 23.33 to 5 PLF at 23.33

4X6(R) III

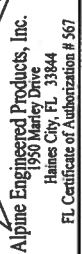


R=7007 U=749 W=3.5*

0(0) 7-22-1986 R. FISHER
SCIENCE CENTER
FL - / 4 - / - / R -
Scale = 25"/Ft.

REF	R487 --	78538
DATE	01/06/06	

BC DL	10.0 PSF	HC-ENG JB/AF	DKW HCUSR487 06006040
LL	0.0 PSF	SEQN- 73851	
OT.LD.	40.0 PSF		
OUR.FAC.	1.25		
SPACING	24.0"		DEE- 1STMA877701

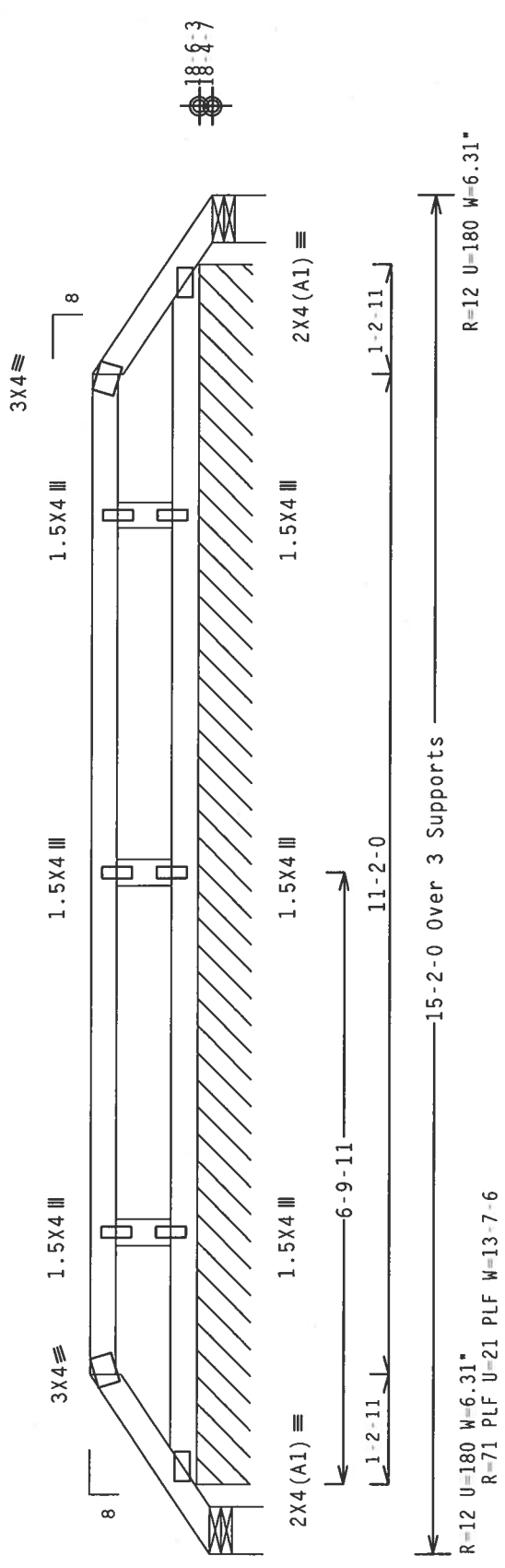


Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3

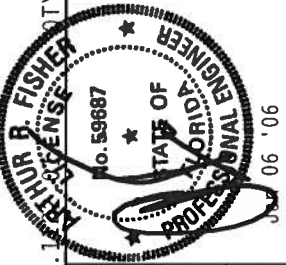
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Refer to DWG PIGBACKA1103 or PIGBACKB0204 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 19.04 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=1.2 psf.



PLT TYP. Wave
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.11



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. RECESSED JOINTS MUST BE PROTECTED TO PREVENT DAMAGE TO THE TRUSS. THE TRUSS IS TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. THE TRUSS IS TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. THE TRUSS IS TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

****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 NOS (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (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 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
FL Certificate of Authorization # 567

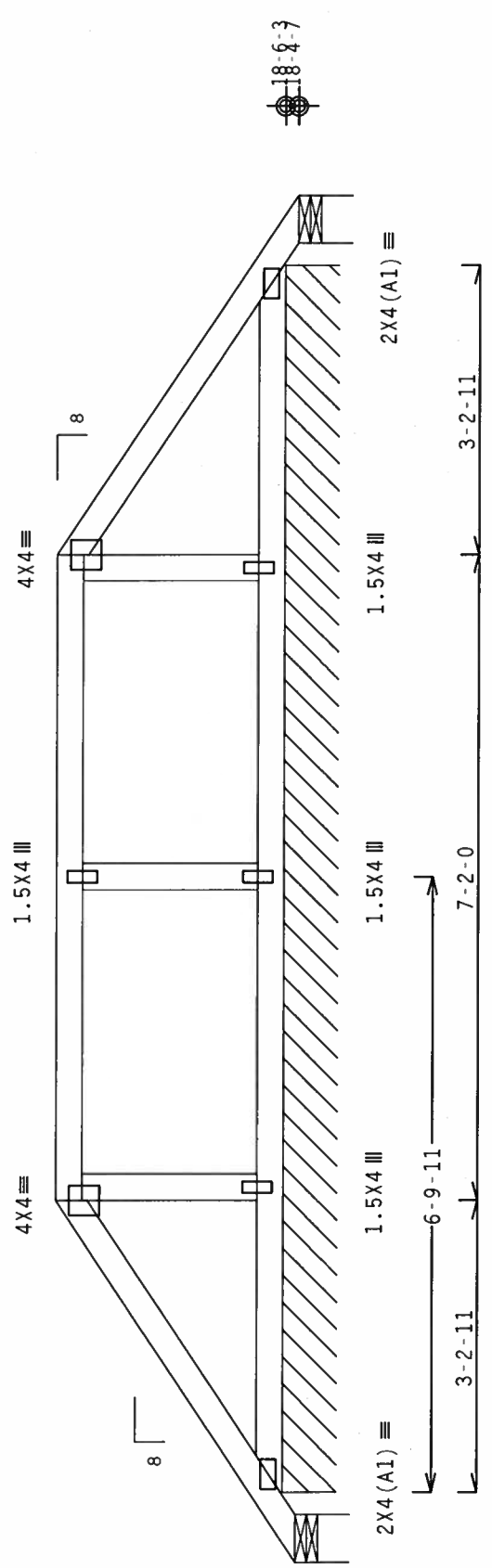
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DATE 01/06/06	DRW HCUSR487 06006041
HC-ENG JB/AF	SEQN- 133612 REV
DUR.FAC. 1.25	SPACING 24.0"
JUN 06 '06	JREF- 1STM487_Z01

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 DWG PIGBACKA1103 or PIGBACKB0204 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 19.70 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.



R=-22 U=180 W=6.31"
R=76 PLF U=25 PLF W=13-7-6
15-2-0 Over 3 Supports
R=-22 U=180 W=6.31"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.1

Scale = .5"/Ft.

REF R487-- 78540
DATE 01/06/06
DRW HCUSR487 06006042
HC-ENG JB/AF
SEQN- 73378
DUR.FAC. 1.25
SPACING 24.0"

JUL 10 2006

ARTHUR R. FISHER
No. 59887
STATE OF
PROFESSIONAL ENGINEER

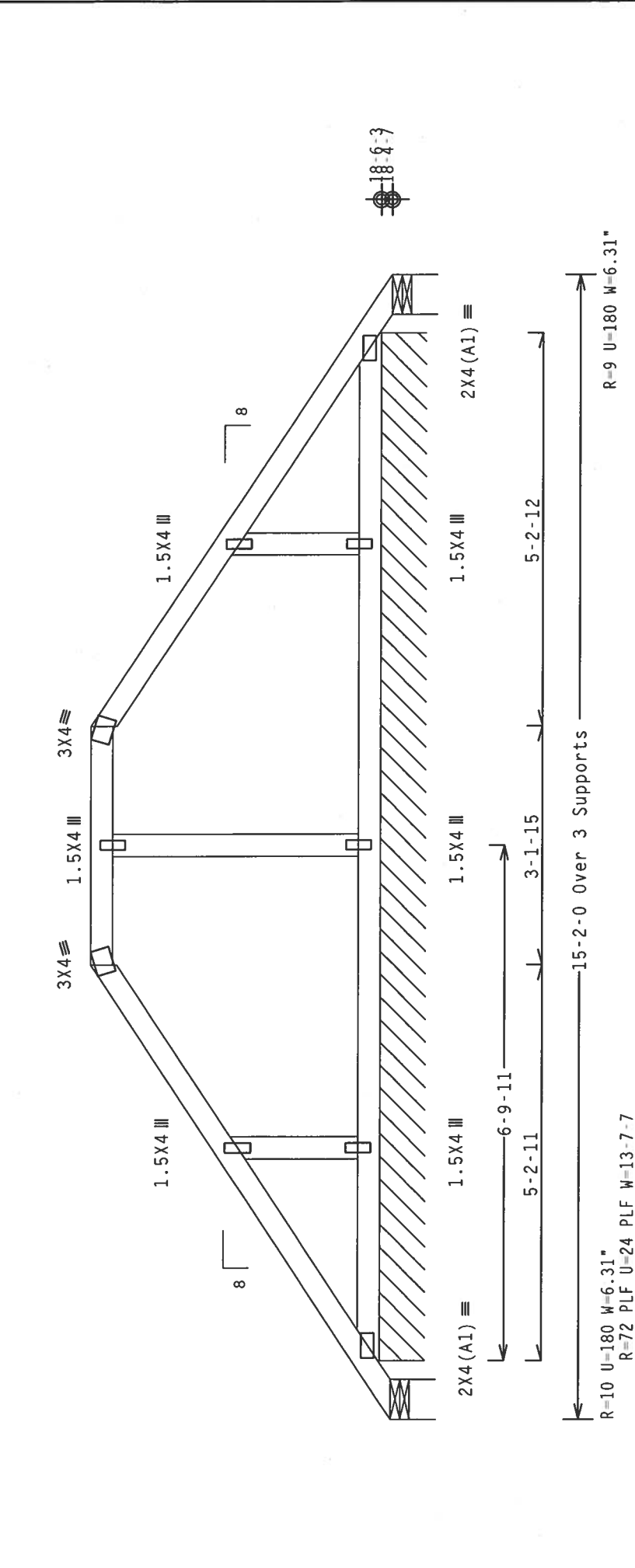
ALPINE
Alpine Engineered Products, Inc.
1950 Morley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

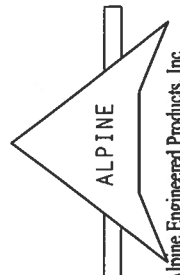
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.
Refer to DWG PIGBACKA1103 or PIGBACKB0204 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC.
UNLESS OTHERWISE SPECIFIED.

110 mph wind, 20.37 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-1.2 psf.

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





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PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.1

Scale = .5"/Ft.

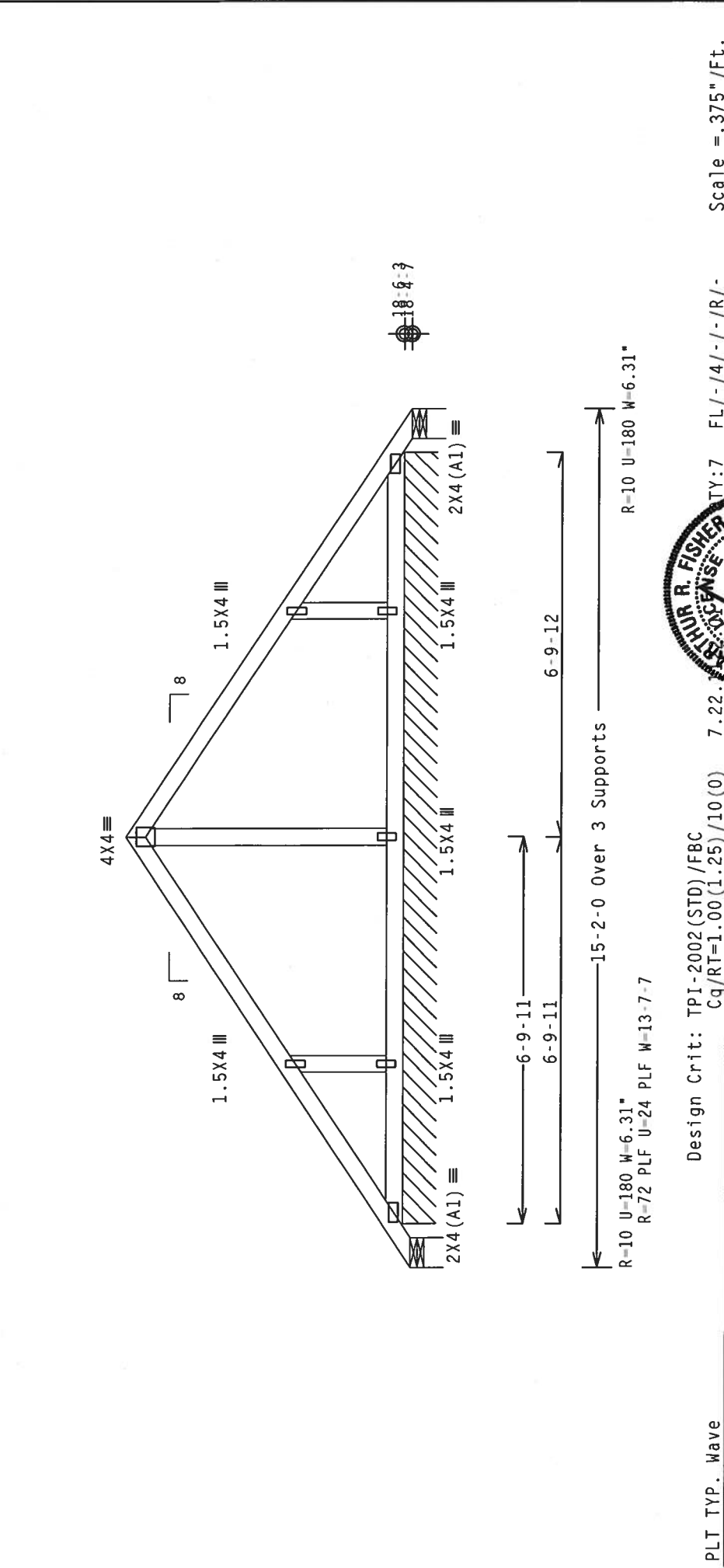
TC LL	20.0 PSF	REF	R487--	78541
TC DL	10.0 PSF	DATE	01/06/06	
BC DL	2.0 PSF	DRW	HCUSR487	06006043
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	32.0 PSF	SEQN-	73366	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1STM487_Z01	

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

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.
Refer to DWG PIGBACKA1103 or PIGBACKB0204 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC,
UNLESS OTHERWISE SPECIFIED.

110 mph wind, 20.90 ft mean hgt, ASCE 7-02, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind
BC DL-1.2 psf.

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22

Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R487--	78542
TC DL	10.0 PSF	DATE	01/06/06	
BC DL	2.0 PSF	DRW	HCUSR487	06006044
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	32.0 PSF	SEQN-	73357	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1STM487_Z01	

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

ARTHUR R. FISHER
Professional Engineer
No. 59887
State of Florida
Jan 06 '06

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

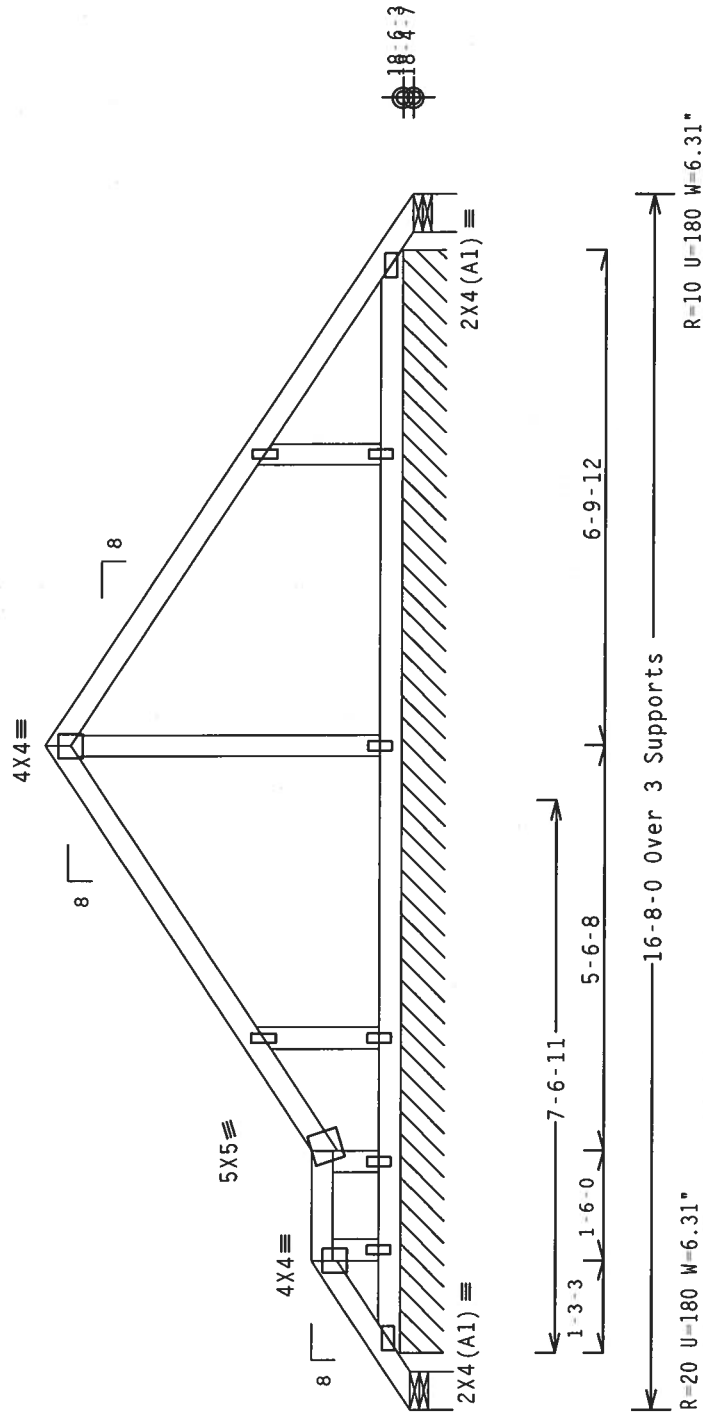
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN 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/SX) ASTM A653 GRADE 40/60 (M. K/H-S) GALV. STEEL. APPLY ANY INSPECTION OF 6" AFTER LOAD BY THE TRUSS MANUFACTURER. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE DESIGN. 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, 20.90 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

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

Refer to DWG PIGBACKA1103 or PIGBACKB0204 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC,
UNLESS OTHERWISE SPECIFIED.



R=20 U=180 W=6.31"

R=71 PLF U=23 PLF W=15-1-7

-16-8-0 Over 3 Supports

 $R=10 \quad U=180 \quad W=6.31^{\circ}$

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

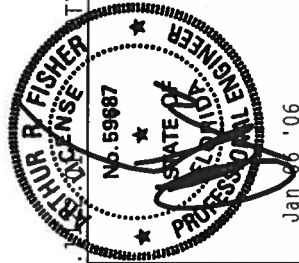
$$Cq/RT=1.00(1.25)/10(0)$$

ATY:1 FL/-/4/-/-/R/-

Scale = .375"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFERENCE TO THE FOLLOWING INFORMATION, OBTAINED FROM THE TRUSS PLATE INSTITUTE, 583 C/O BIRLIO DR., SUITE 200, MADISON, WI 53719, AND THE TRUSS MANUFACTURER, 1000 W. MICHIGAN, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

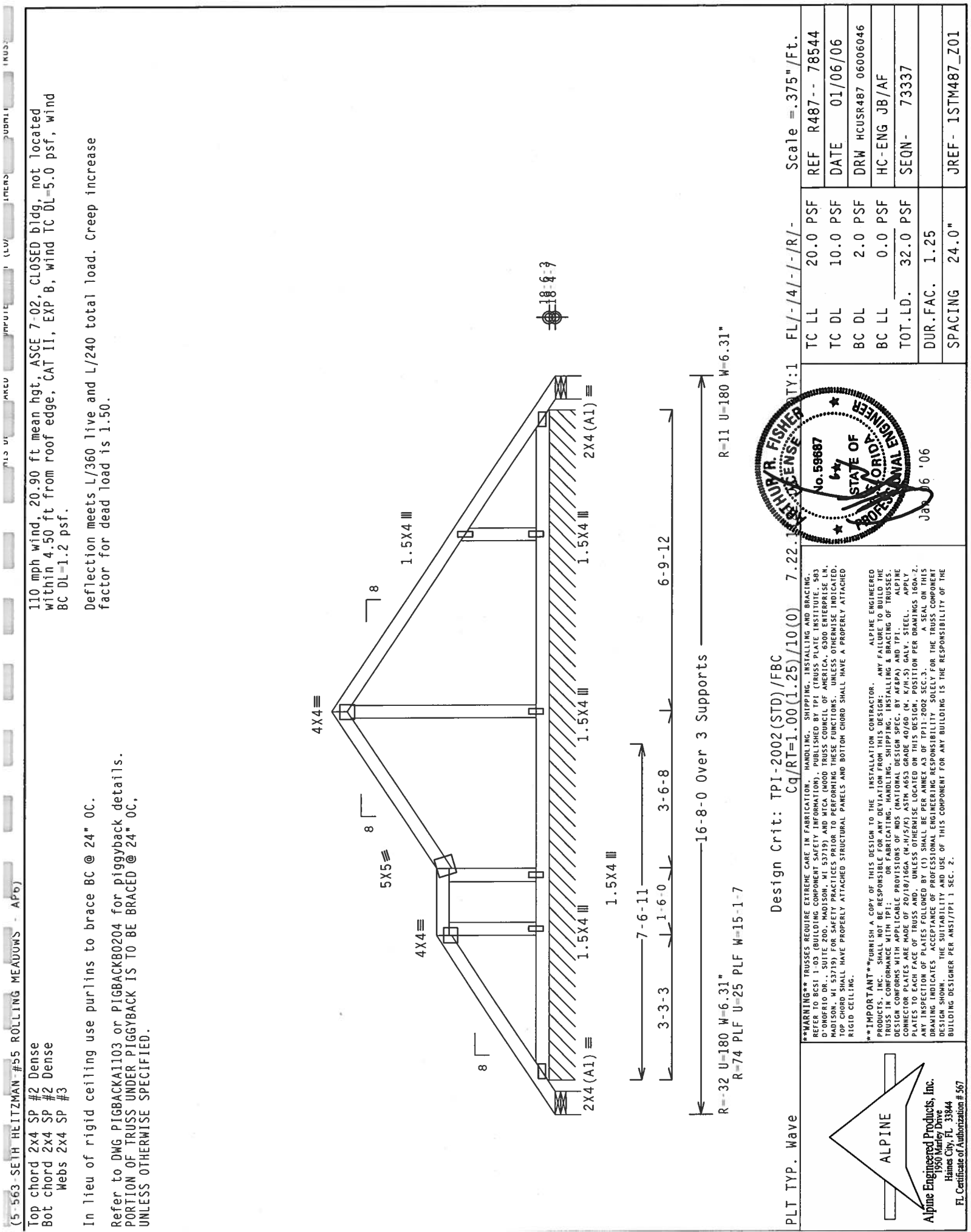
****IMPORTANT****TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.
THE SUPPLIER SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN:
TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC.) BY AREA
DESIGNER'S OFFICE. ALL TRUSSES SHALL BE MANUFACTURED AND DELIVERED TO THE PROJECT
PLATES TO EACH FACE OF FLOORS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION
ANY INSPECTION OF PLATES FOLLOWED BY (X) SHALL BE PER ANNEX A OF TPI1-2002 SECT
DRAWING INDICATES. ACCEPTANCE OF THIS DESIGN ASSUMES ENGINEERING RESPONSIBILITY. SOLELY
BUILDING DESIGNER PER ANNEX(P1) SEC. 2 OF THIS COMPACT FORM FOR BUILDING L



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

James C. Kelly, Jr. 3384
FL Certificate of Authorization # 567

JREF- 1STM487_Z01



110 mph wind, 20.90 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-1.2 psf.

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

Refer to DWG PIGBACK1103 or PIGBACKB0204 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

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

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

TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	2.0 PSF
BC LL	0.0 PSF
TOT.LD.	32.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

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

Professional Engineer
No. 59887
State of Florida
R. FISHER
6-4

Scale = .375"/Ft.
REF R487-- 78544
DATE 01/06/06
DRW HCUSR487 06006046
HC-ENG JB/AF
SEQN- 73337
JREF- 1STM487_Z01

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 503 D'AMORE DR., SUITE 200, MADISON, WI 53719, AND NETA (NATIONAL TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM 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 2010/16GA (M-N/S/K) ASTM A653 GRADE 40/60 (M, K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. DAY INSPECTION OF PLATE FOLLOWED BY 12 HOURS. SHALL BE PERFORMED AS OF 11-2002 SEC.3. A SEAL OR THIS DESIGN INDICATED BY THE DESIGNER SHALL BE THE RESPONSIBILITY FOR THE TRUSS OWNER. THE DESIGNER SHALL SHOW 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

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.1

R=-32 U=180 W=6.31"
R-74 PLF U-25 PLF W=15-1-7
16-8-0 Over 3 Supports
R-11 U=180 W=6.31"

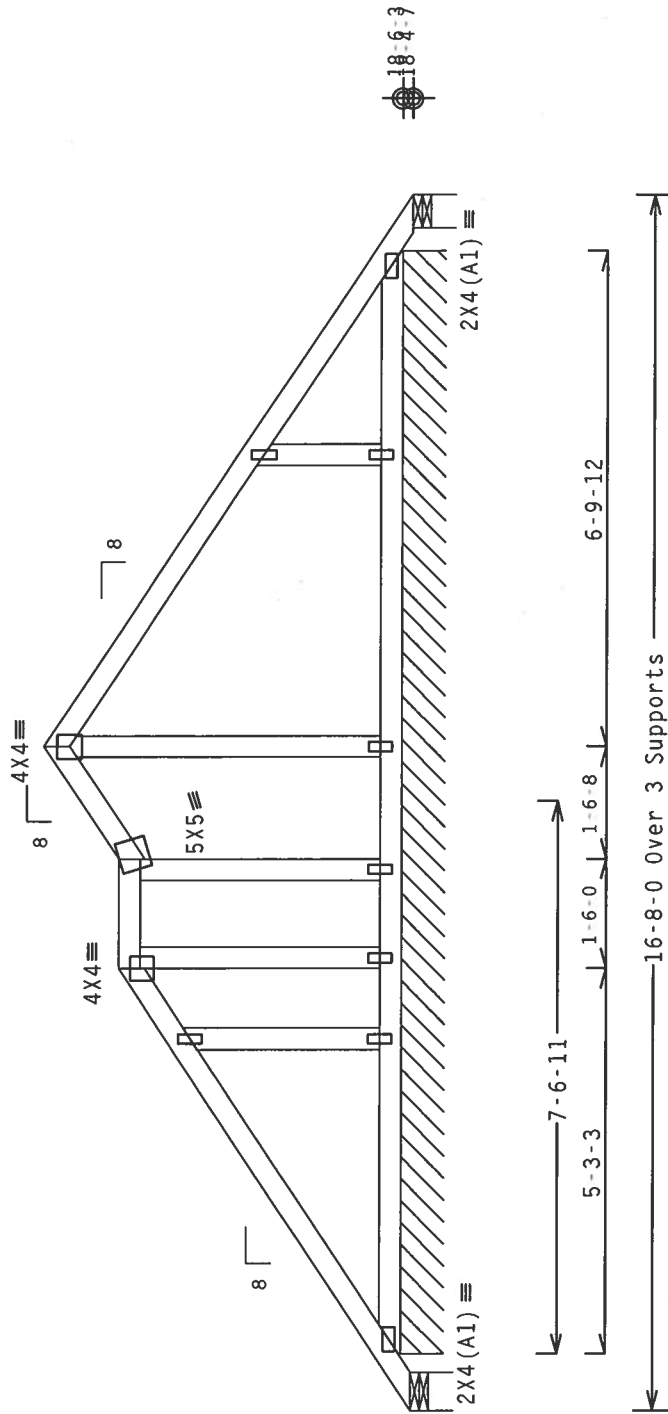
Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	

110 mph wind, 20.90 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

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

Refer to DWG PIGBACKA1103 or PIGBACK80204 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC,
UNLESS OTHERWISE SPECIFIED.

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



R = -72 H = 180 W = 6 31"

R-77 PLF U=27 PLF W=15-1-7

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/10(0) \quad 7.22.1$

Scale = .375"/Ft.

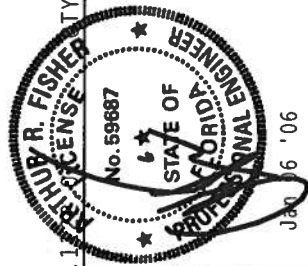
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. SEE BESI 1-03 (BUILDING COMPONENT SAFETY INFORMATION). TRUSSES BY TPI (TRUSS PLATE INSTITUTE, 593 W. BAKER BLVD., CHICAGO, ILL. 60659) OR TPO (TRUSS POINT OF ORIGIN, TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., DOWNSBORO, OH. 44130) ARE NOT TO BE USED FOR PERMANENT OR TEMPORARY BRACING. UNLESS OTHERWISE SPECIFIED, ALL TRUSSES SHALL BE DESIGNED TO BE USED IN CONJUNCTION WITH A TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE
TRUSS IN CONFORMANCE WITH TP1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MOD (NATIONAL DESIGN SPEC. BY AISC) AND ALPINE
TRUSS COMPANY'S TRUSS MANUFACTURING SPECIFICATIONS. ALL TRUSS PLATES SHALL BE 160A-2
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, SECTION PER DRAWING
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANEX A OF TP1-2002, SEC. 3. A SEAL ON THIS
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT
BUILDING DESIGNER FEELS AN ACCEPTABLE USE OF THIS DOCUMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE
BUILDING DESIGNER FEELS AN ACCEPTABLE USE OF THIS DOCUMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE



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1950 Marley Drive

Haines City, FL 33844
FL Certificate of Authorization # S67



Jan 06 '06

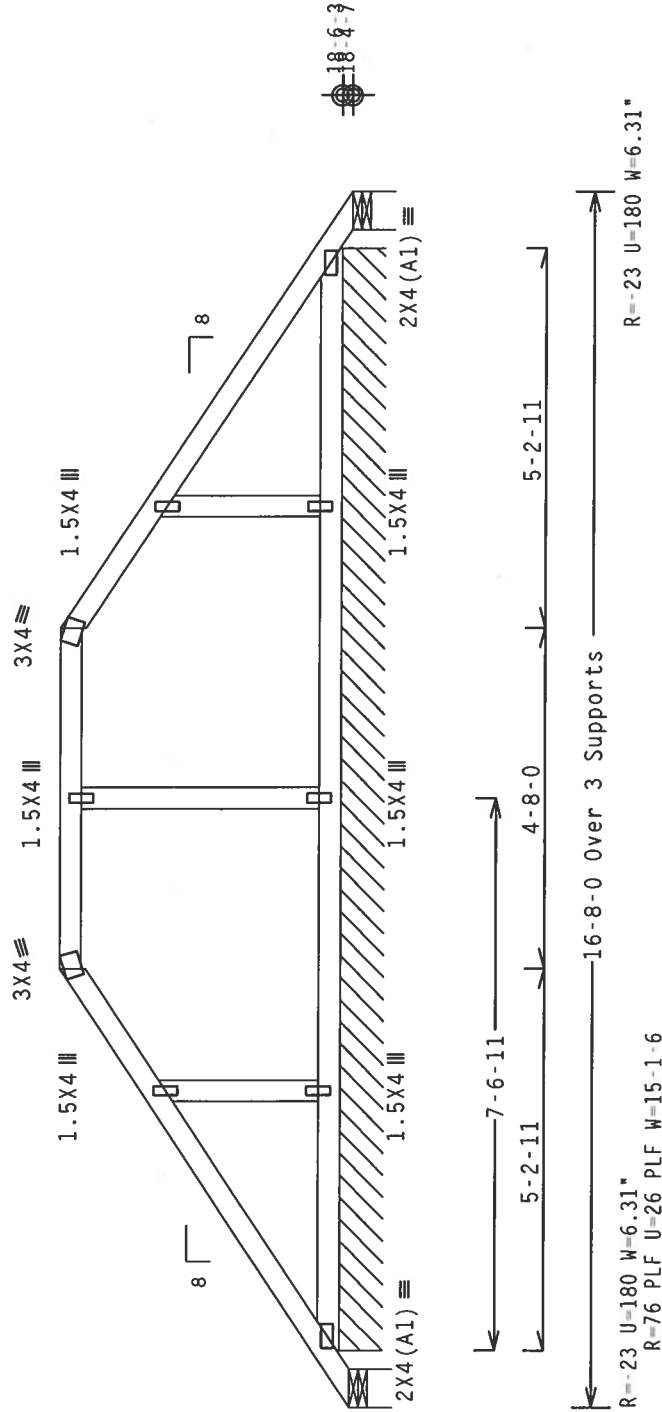
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TC DL	10.0	PSF	DATE	01/06/06	
BC DL	2.0	PSF	DRW	HCUSR487	06006047
BC LL	0.0	PSF	HC-ENG	JB/AF	
TOT.LD.	32.0	PSF	SEQN-	22279	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1STM487_Z01	

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
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 DWG PIGBACKA1103 or PIGBACKB0204 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC,
UNLESS OTHERWISE SPECIFIED.

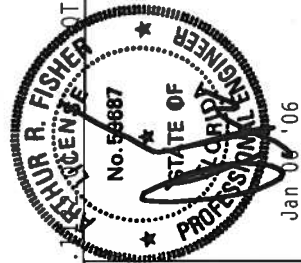
110 mph wind, 20.37 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.22.11
Scale = .375"/ft.



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO 8651 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 MADISON DR., SUITE 200, MADISON, WI 53719), AND NCA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO FOLLOW THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE DESIGN OF THE TRUSS IS BASED ON THE ASSUMPTIONS AND CONDITIONS LISTED HEREIN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. THE 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 (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.



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

TC LL	20.0 PSF	REF	R487--	78546
TC DL	10.0 PSF	DATE	01/06/06	
BC DL	2.0 PSF	DRW	HCUSR487	06006048
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	32.0 PSF	SEQN-	133602	REV
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1STM487_Z01	

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

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

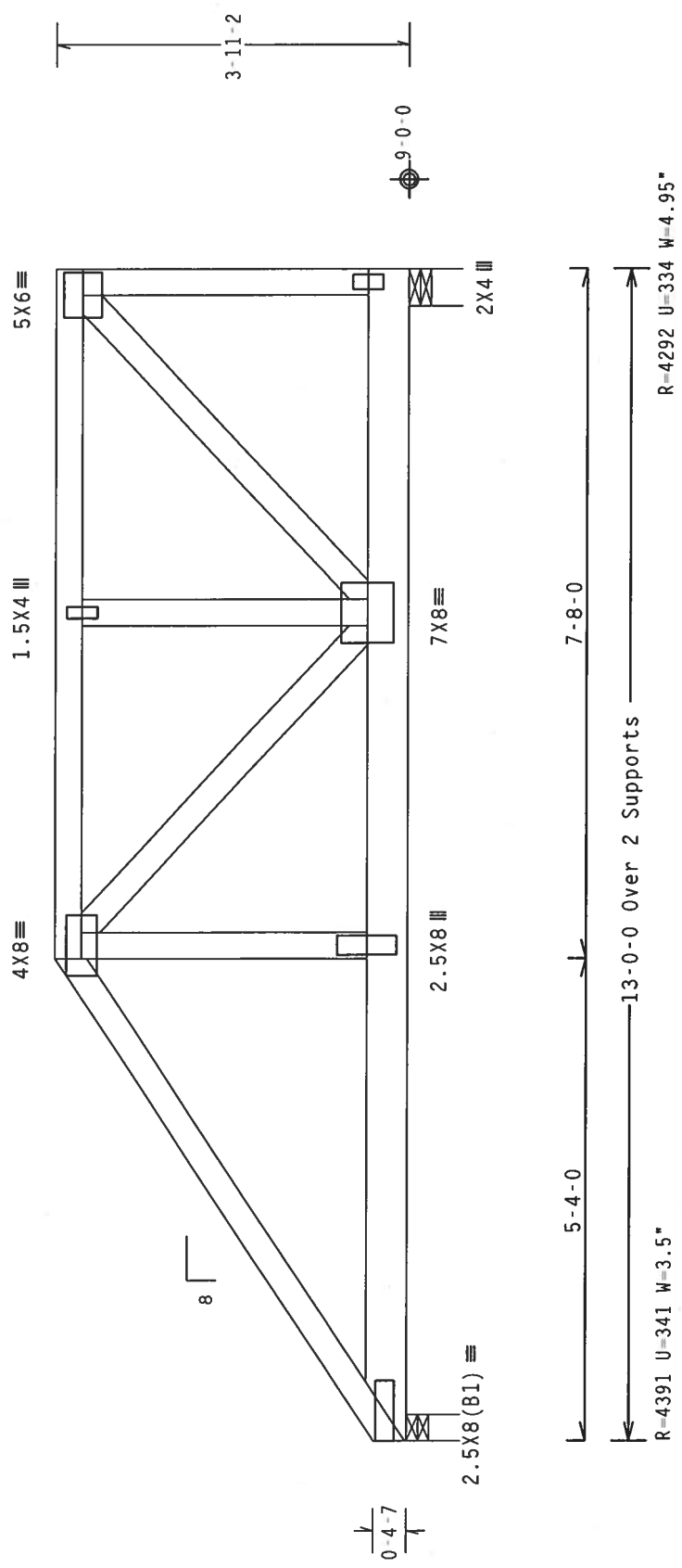
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT I, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf.
Girder supports 30'-1-0" span to BC one face and 2'-0-0" span to TC/BC split opposite face.

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

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Common (0.148"x3.25", min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @6.25" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Right end vertical not exposed to wind pressure.



PLT TYP. Wave

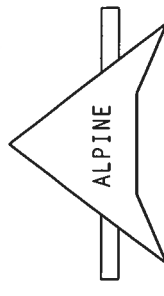
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

Scale = .5" / Ft.

TC LL	20.0 PSF	REF	R487 --	78550
TC DL	10.0 PSF	DATE	01/06/06	
BC DL	10.0 PSF	DRW	HCUSR487	06006052
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	73575	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1STM487_Z01	

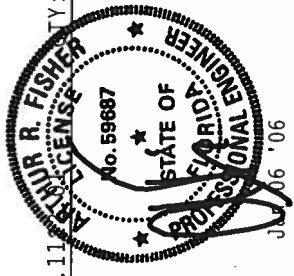
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 593 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719, AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. APPLY CONNECTOR PLATES ARE MADE OF 20/18/16GA (M/H/S/X) 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. INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS ANNEX SHALL BE REQUIRED. PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLICIT 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
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FL Certificate of Authorization # 567



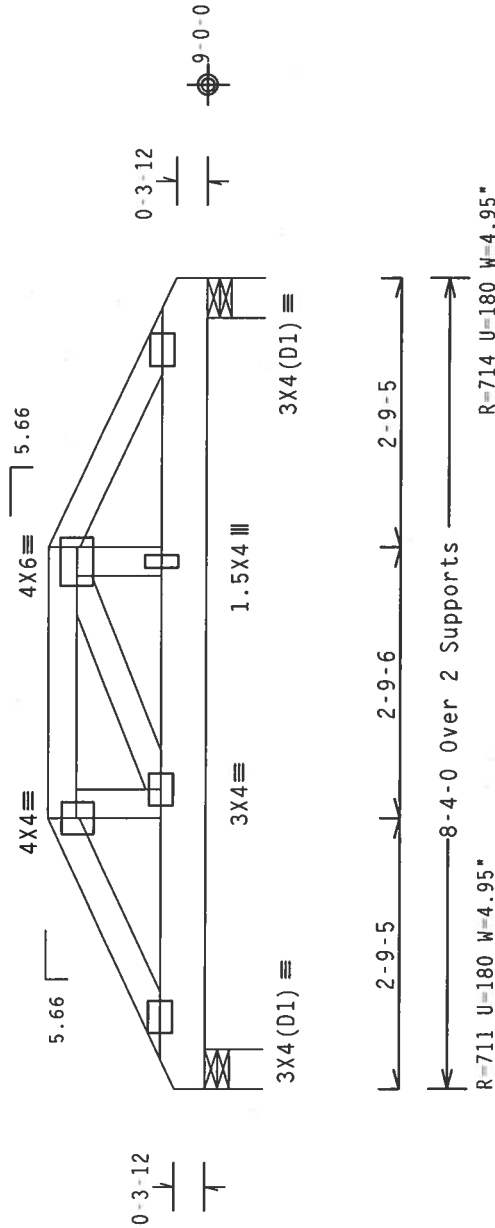
	Top	Bot	chord	chord	webs	2x4	2x6	2x4	SP	SP	SP	Dense
									#2	#2	#3	

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=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	62 PLF at 0.31 to	62 PLF at 8.02
BC	From	20 PLF at 0.00 to	20 PLF at 8.33
TC	- 2 LB Conc.	Load at 2.78,	5.56
TC	- 14 LB Conc.	Load at 2.84,	4.84,
BC	- 132 LB Conc.	Load at 1.42,	6.91
BC	- 3 LB Conc.	Load at 2.78,	5.56
BC	- 5 LB Conc.	Load at 2.84,	5.49
BC	- 215 LB Conc.	Load at 3.40,	
BC	- 220 LB Conc.	Load at 4.94	



PLT TYP. Wave

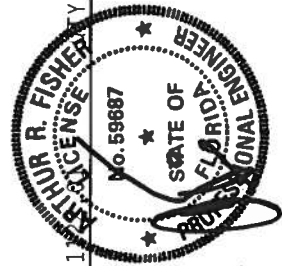
Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/10(0)$ 7.22.1

Scale = .5"/Ft.

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS1-1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPI (INTERNATIONAL PAPER INDUSTRIES), 363 D'ORFIO DR., SUITE 200, MADISON, WI 53719, AND WICA (WOOD TRUSS COUNCIL OF AMERICA), 2000 ENTERPRISE DR., MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED TOP CHORD CEILING.

INTEGRANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE
TRUSS IN CONFORMANCE WITH TP11 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES,
CONNECTIONS AND THE ABOVE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFPA) AND TP11, SHALL BE
CONSIDERED THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE
PLATES TO EACH FACE OF TRUSSES AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER PARAGRAPHS 160A.2,
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A.3 OF TP11 2002 SEC.3. A SEAL ON THIS
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT
BUILDING DESIGNER PER ANNEX (TP11) 1 SEC.2. THE REMAINDER OF THIS COMMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE
BUILDING DESIGNER PER ANNEX (TP11) 1 SEC.2.



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1950 Marley Drive
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Jan 06 '06

Haines City, FL 33844
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SPACING 24.0"

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

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

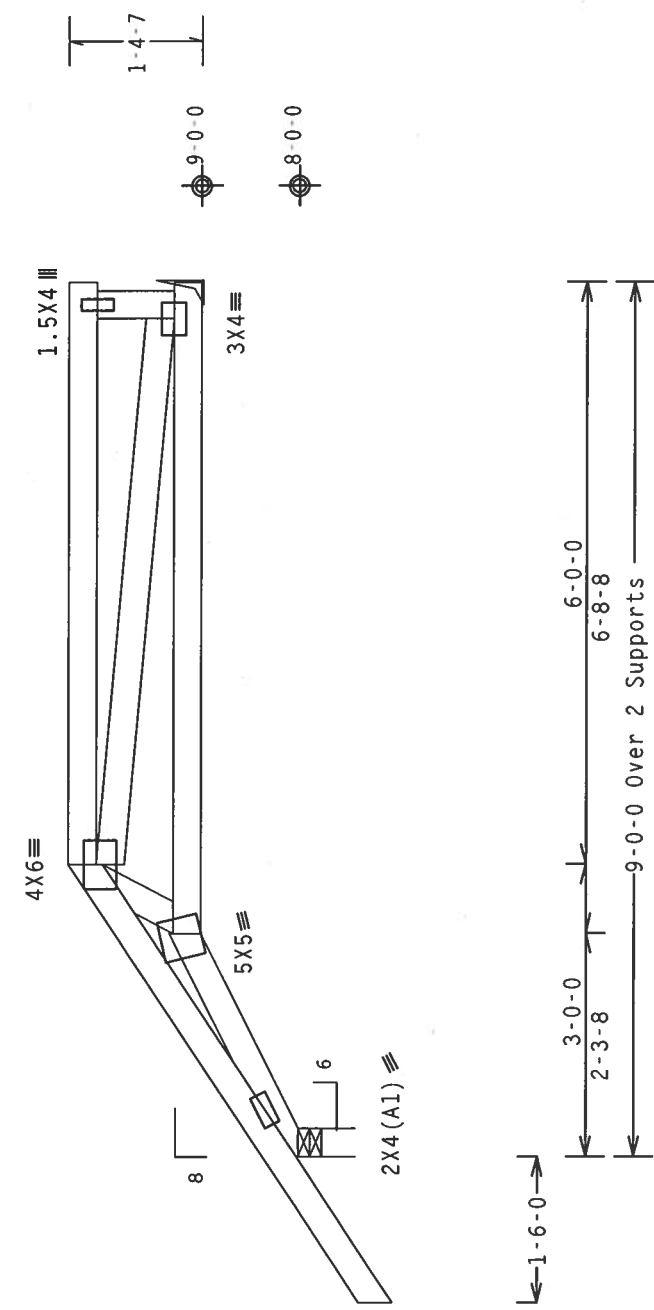
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

SPECIAL LOADS

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

TC - From 64 PLF at 1.50 to 64 PLF at 9.00
BC - From 5 PLF at 1.50 to 5 PLF at 0.00
BC - From 22 PLF at 0.00 to 22 PLF at 2.29
TC - From 20 PLF at 2.29 to 20 PLF at 9.00
TC - 10 LB Conc. Load at 3.06, 5.06, 7.06
BC - 3 LB Conc. Load at 3.06, 5.06, 7.06

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.12

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. READER MUST FOLLOW ALL INSTRUCTIONS AND INFORMATION PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 563 DUNFORD RD., SUITE 200, MADISON, WI 53715) AND ANY OTHER MANUFACTURER'S INSTRUCTIONS. 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. 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.

ALPINE
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1950 Marley Drive
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FL Certificate of Authorization # 567

THIR R. CRISHER
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Jan 06 '06

TC LL	20.0 PSF	REF	R487--	78552
TC DL	10.0 PSF	DATE	01/06/06	
BC DL	10.0 PSF	DRW	HCUSR487	06006054
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	22193	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1STM487_Z01	

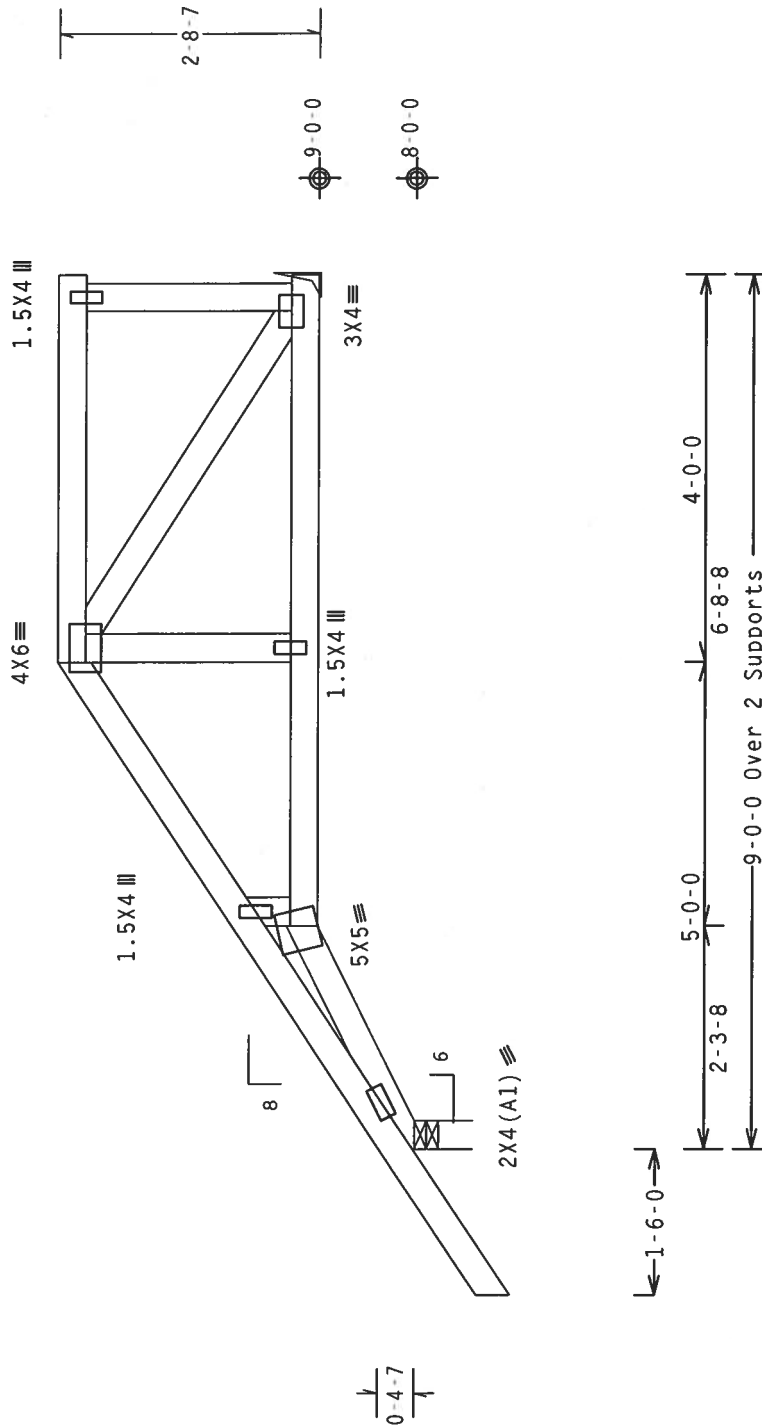
Top chord	2x4	SP	#2	Dense
Bot chord	2x4	SP	#2	Dense
Webbs	2x4	SP	#3	

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

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.



R-366 U-180 H-Simpson LU24
w/ (2) 10d, 0.148"x1.5" nail
w/ (4) 10d Common, 0.148"x3"
Gutter is (1)2X4 min. So.Pt.

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

Scale = .5"/Ft.

TC LL	20.0 PSF	REF R487 - - 78553
TC DL	10.0 PSF	DATE 01/06/06
BC DL	10.0 PSF	DRW HCURS487 06006055
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 22202
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1STM487_Z01

WARNING: TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BCS1 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 1803 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE FOLLOWING DESIGN SPECIFICATIONS, INCLUDING BRACING TO TRUSSES, DESIGN CONFORMANCE WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC.), OR ANY OTHER CODES, SHALL BE AT THE RISK OF THE INSTALLATION CONTRACTOR. ALL CONNECTOR PLATES ARE MADE OF 2018/16GA (.04 W/.5%) ASTM A653 GRADE 40/50 (IN .7 X 1.5) GALV STEEL PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160A-2. AN 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 ANNEX/P11 1 SEC. 2.

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Haines City, FL 33844

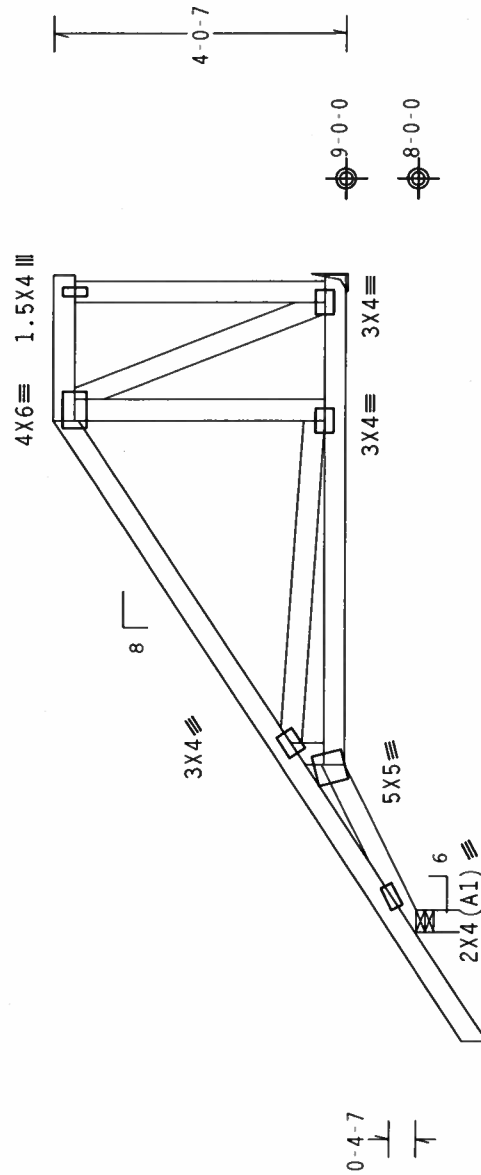
Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	

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

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.



R=366 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 (12) 2x12 S.D. Pine

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

Scale = .375"/Ft.

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

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND TRACING. REFER TO DESIG 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE NATIONAL ASSOCIATION OF TRUSS BUILDERS, 583 E. D'ONOFIO DR., SUITE 200, MADISON, WI 53719, AND WCA (WOOD TRUSS COUNCIL OF AMERICA), 6200 WINTERFIELD, SUITE 100, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE ALPINE ENGINEERING COMPANY, 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 APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFPA) AND TP1. ALPINE ENGINEERING COMPANY SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE INSTALLATION OF THE TRUSS PLATES TO EACH FACE OF TROUSERS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER ANNEK 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK A.3 OF TP1-2002 SEC.3. A SEAL ON THE DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF THIS DESIGN. THE USE OF THIS COMMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEK (TP1) 1 SEC.2.

TC LL	20.0	PSF	REF	R487--	78554
TC DL	10.0	PSF	DATE	01/06/06	
BC DL	10.0	PSF	DRW	HCUSR487 06006056	
BC LL	0.0	PSF	HC-ENG	JB/AF	
TOT.LD.	40.0	PSF	SEQN-	22210	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1STM487 Z01	

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Haines City, FL 33844
FL Certificate of Authorization # S67

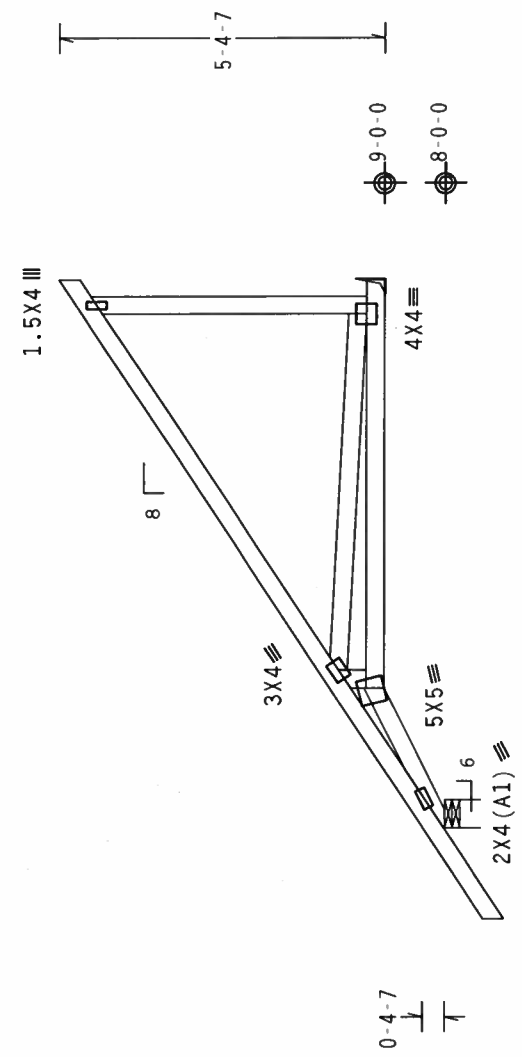
FL Certificate of Authorization # 567
Haines City, FL 33844

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

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

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. Creep increase
factor for dead load is 1.50.



L1-6-0

2-3-8
6-8-8
9-0-0 Over 2 Supports
R=503 U=180 W=5.5

R=362 U=180 H=Simpson LU24
w/ (2) 10d, 0.148" x 1.5" nails in Truss
w/ (4) 10d Common, 0.148" x 3.0" nails in Girder
Girder is (1) 2" x 6" So. Pine

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

PLT TYP. Wave	Scale = .3125" / Ft.
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS1 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'ORFORD 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.	TC LL 20.0 PSF
IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2017/1060A (N-H/SK3) ASTM A653 GRADE 40/60 (N. H/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-Z. ALL TRUSSES SHALL BE FULLY SEaled AND SHALL BE PROTECTED AGAINST CORROSION FOR THE LIFE OF THE BUILDING. DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS DESIGN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.	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-- 78555
	DATE 01/06/06
	DRW HCUSR487 06006005
	HC-ENG JB/AF
	SEQN- 22220
	JREF- 1STM487_Z01

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.



Design Crit: TPI-2002(STD)/FBC

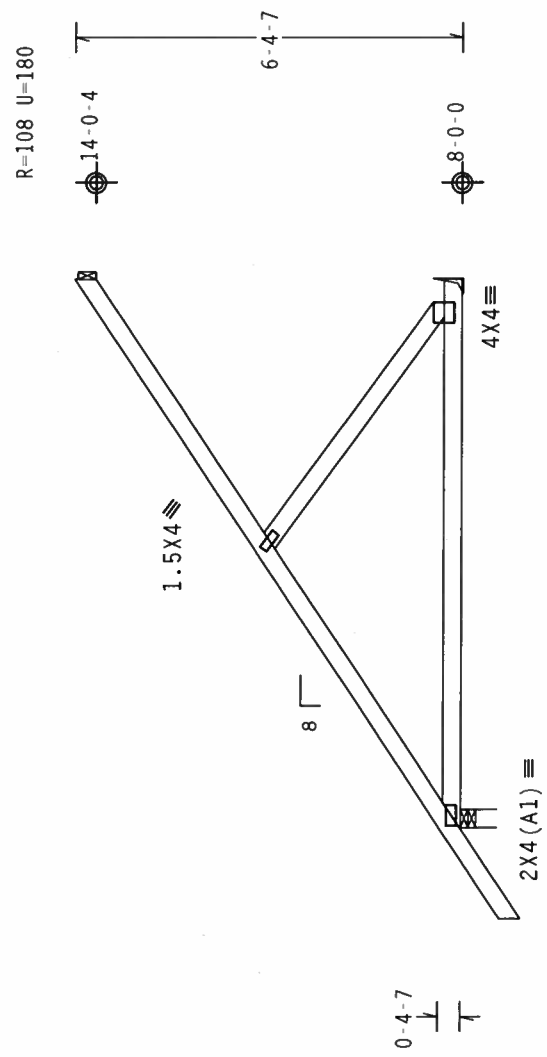
 Alpine Engineering Products, Inc. 1950 Marley Drive Haines City, FL 33844 FL Certificate of Authorization # 567	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS1 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719), AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.			TC LL	20.0 PSF	REF	R487 -- 78556
	TC DL	10.0 PSF		DATE	01/06/06		
	BC DL	10.0 PSF		DRW	HCUSR487 06006006		
	BC LL	0.0 PSF		HC-ENG	JB/AF *		
	TOT.L.D.	40.0 PSF		SEQN-	22226		
	DUR.FAC.	1.25					
IMPORTANTFURNISH 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-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.		SPACING	24.0"	JREF-	1STM487_Z01		

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

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

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. Creep increase factor for dead load is 1.50.



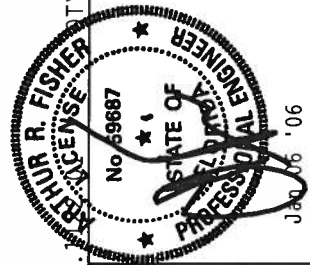
R=253 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X4 min. So.Pine

1-6-0

Design Crit: $\text{TPI-2002(STD)}/\text{FBC}$
 $\text{Ca}/\text{RT}=1.00(1.25)/$

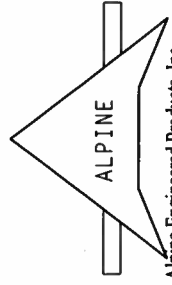
Scale = .3125"/Ft.

TC LL	20.0	PSF	REF	R487--	73557
TC DL	10.0	PSF	DATE	01/06/06	
BC DL	10.0	PSF	DRW	HCUSR487	06006007
BC LL	0.0	PSF	HC-ENG	JB/AF	*
TOT.LD.	40.0	PSF	SEQN-	22244	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1STM487_Z01	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO PCS1 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'AMERIO 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 THIS OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. FOR APA) AND STEEL. ALPINE TRUSS COMPANY SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS. THE TRUSS SHALL BE MADE OF 2" PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, THE TRUSS SHALL BE MADE OF 2" PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF IPT11-2002 SEC.2.3. AS A SEAL ON THE 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

MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

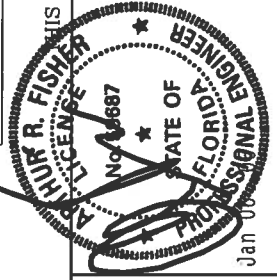
A - EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)
B - SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
C - END DISTANCE (15 NAIL DIAMETERS)

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



THIS DRAWING REPLACES DRAWING B139 AND CNBRGBLK0699

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



1. FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING OR BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECT PLATES ARE MADE OF 2010/16GA C/V/S/K/ ASTM A553 GRADE 40/60 C/V/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE ON THIS DESIGN. POSITION PER DRAWINGS 16GA-2. (2) ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. (3) THE DESIGN CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUITABILITY AND USE OF TPI IN THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2



ALPINE ENGINEERED PRODUCTS, INC.
POMPAÑO BEACH, FLORIDA

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.

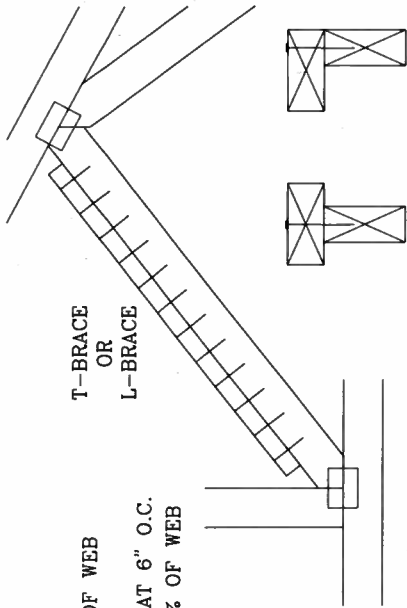
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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:

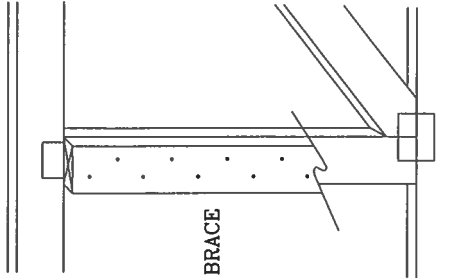
APPLY TO EITHER SIDE OF WEB NARROW FACE ATTACH WITH 16d NAILS AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



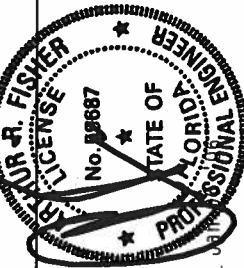
T-BRACE OR L-BRACE

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



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, 993 DONDORF DR., SUITE 200, MADISON, WI 53719) AND VTCA (WOOD TRUSS COUNCIL, 6500 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (W/K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED BY THIS DESIGN, POSITION PER DRAWINGS 1604-2. ANY INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE IN ACCORDANCE WITH TPI DRAWING 1604-2. THE DESIGNER ASSUMES FULL RESPONSIBILITY FOR 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.
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			

TOP CHORD 2X4 #2 OR BETTER
BOT CHORD 2X4 #2 OR BETTER
WEBS 2X4 #3 OR BETTER

PIGGYBACK DETAIL

REFER TO SEALED DESIGN FOR DASHED PLATES.

SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

TOP AND BOTTOM CHORD SPLICES MUST BE STAGGERED SO THAT ONE SPLICE IS NOT DIRECTLY OVER ANOTHER.

PIGGYBACK BOTTOM CHORD MAY BE OMITTED. ATTACH VERTICAL WEBS TO TRUSS TOP CHORD WITH 1.5X3 PLATE.

ATTACH PURLINS TO TOP OF FLAT TOP CHORD. IF PIGGYBACK IS SOLID LUMBER OR THE BOTTOM CHORD IS OMITTED, PURLINS MAY BE APPLIED BENEATH THE TOP CHORD OF SUPPORTING TRUSS.

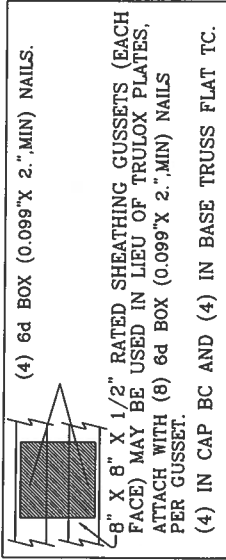
REFER TO ENGINEER'S SEALED DESIGN FOR REQUIRED PURLIN SPACING.

THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

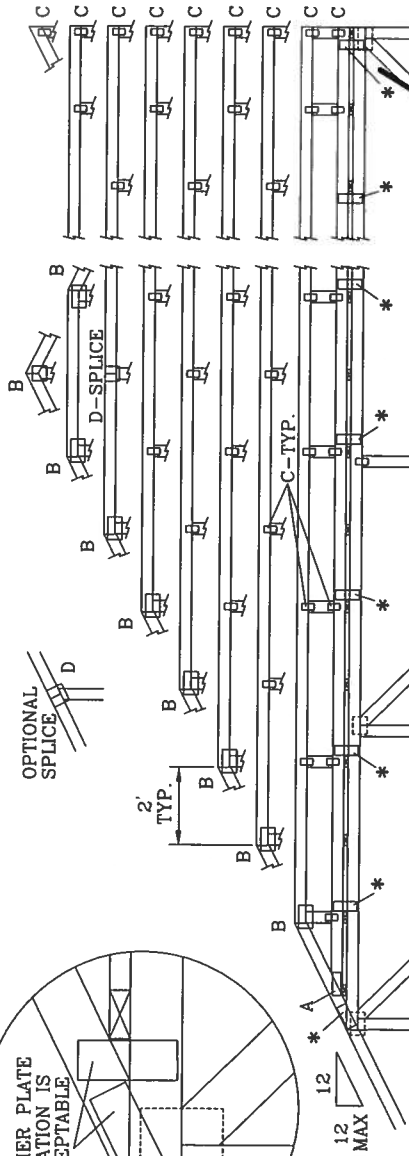
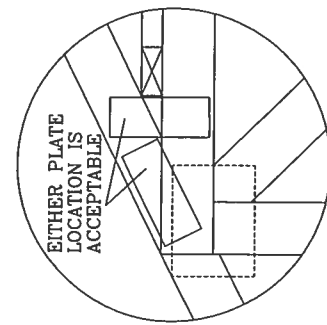
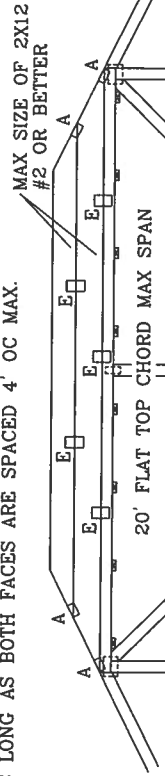
130 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP C, WIND TC DL=5 PSF, WIND BC DL=5 PSF

110 MPH WIND, 30' MEAN HGT, SBC ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF WIND TC DL=5 PSF, WIND BC DL=5 PSF

FRONT FACE (E*) PLATES MAY BE OFFSET FROM BACK FACE PLATES AS LONG AS BOTH FACES ARE SPACED 4' OC MAX.



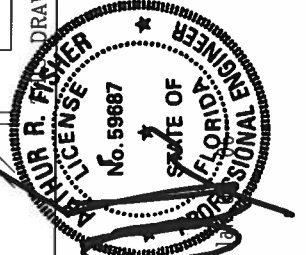
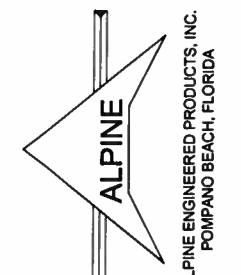
130 MPH WIND, 30' MEAN HGT, ASCE 7-98, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C, WIND TC DL=5 PSF, WIND BC DL=5 PSF



*ATTACH PIGGYBACK WITH 3X8 TRULOX OR ALPINE PIGGYBACK SPECIAL PLATE.

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

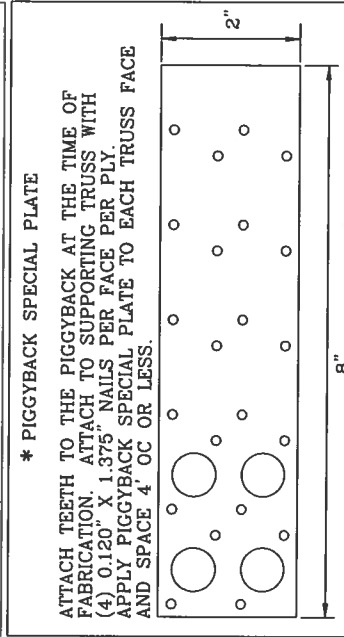
IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/186A (V.H/S/K) ASTM A653 GRADE 50 (V.H/S/K) STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, PURLINS SHALL BE PER ANNEK A3 OF TPI L-2008 SEC. 3. ANY INSPECTION OF PLATES FOLLOWED BY (D) SHALL BE PER ANNEK A3 OF TPI L-2008 SEC. 3. THE PROFESSIONAL ENGINEER'S ACCEPTANCE OF THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



JOINT TYPE	SPANS UP TO			
	30'	34'	38'	52'
A	2X4	2.5X4	2.5X4	3X5
B	4X6	5X6	5X6	5X6
C	1.5X3	1.5X4	1.5X4	1.5X4
D	5X4	5X5	5X5	5X6
E	4X6 OR 3X6 TRULOX AT 4' OC, ROTATED VERTICALLY			

ATTACH TRULOX PLATES WITH (8) 0.120" X 1.375" NAILS, OR EQUAL, PER FACE PER PLY. (4) NAILS IN EACH MEMBER TO BE CONNECTED. REFER TO DRAWING 160 TL FOR TRULOX INFORMATION.

WEB LENGTH	WEB BRACING CHART
0' TO 7'9"	NO BRACING
7'9" TO 10'	1x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 8d BOX (0.113"X 2.5".MIN) NAILS AT 4" OC.
10' TO 14'	2x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 16d BOX (0.135"X 3.5".MIN) NAILS AT 4" OC.



DRAWING REPLACES DRAWINGS 634,016 634,017 & 847,045

MAX LOADING	REF	PIGGYBACK
55 PSF AT 1.33 DUR. FAC.	DATE	04/14/05
50 PSF AT 1.25 DUR. FAC.	DRWG	PIGBACKB0405
47 PSF AT 1.15 DUR. FAC.	-ENG	DLJ/KAR
SPACING	24.0"	