

DATE 04/06/2006

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000024356

APPLICANT LINDA RODER PHONE 752-2281
ADDRESS 387 SW KEMP CT LAKE CITY FL 32024
OWNER RICARDO & ANNE MARIE HOLLINGSHEAD PHONE 719-2580
ADDRESS 277 277 NW BRIDGE WATER TERR LAKE CITY FL 32055
CONTRACTOR ISAAC CONST PHONE 719-7143
LOCATION OF PROPERTY LAKE JEFFERY RD, R NW BRIDGEWATER TERR, 5TH LOT DOWN

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 164600.00
HEATED FLOOR AREA 3292.00 TOTAL AREA 4778.00 HEIGHT 25.61 STORIES 1
FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB
LAND USE & ZONING RSF-2 MAX. HEIGHT 35
Minimum Set Back Requirements: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00
NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 24-3S-16-02275-105 SUBDIVISION COBBLESTONE
LOT 5 BLOCK PHASE UNIT TOTAL ACRES 2.32

000001043 CBC059323
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
PERMIT 06-0287-N BK JH Y
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: FLOOR ONE FOOT ABOVE THE ROAD, ALTERNATIVE TERMITE TREATMENT REC'D
NOC ON FILE

Check # or Cash 5115

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$ 825.00 CERTIFICATION FEE \$ 23.89 SURCHARGE FEE \$ 23.89
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ 25.00 TOTAL FEE 972.78

INSPECTORS OFFICE CLERKS OFFICE

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Hollingshead

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0603.52 Date Received 3/15/06 By G Permit # 1043 / 24356
Application Approved by - Zoning Official BLK Date 05.04.06 Plans Examiner DKJH Date 4-6-06
Flood Zone X Per Plat Development Permit N/A Zoning RSF-2 Land Use Plan Map Category RES Low Dev.
Comments Site plan
✓ E.H. / NOC

Applicants Name Linda Roder Phone 386-752-2281
Address 387 S.W. Kemp Ct. Lake City FL 32024
Owners Name Ricardo & Anne Marie Hollingshead Phone 719-2580
911 Address 277 N.W. Bridgewater Terrace Lake City FL 32055
Contractors Name Isaac Construction Phone 719-7143
Address PMB 338 209 W. U.S. Hwy 90 Suite 170
Fee Simple Owner Name & Address NA
Bonding Co. Name & Address NA
Architect/Engineer Name & Address William Myers / Nick Geister
Mortgage Lenders Name & Address American South bank
Circle the correct power company FL Power & Light Clay Elec. Suwannee Valley Elec. Progressive Energy
Property ID Number 24-35-16-02275-105 Estimated Cost of Construction 245,000
Subdivision Name Cobblestone Lot 5 Block Unit Phase
Driving Directions Lake Jeffrey Rd, R on N.W. Bridgewater Terrace
5th lot down

Type of Construction SFD Number of Existing Dwellings on Property 0
Total Acreage 2.320 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 67'-2" Side 39'-2" Rear 39'-8"
Total Building Height 25'-6" Number of Stories 1 Heated Floor Area 3292 Roof Pitch 6-12
PORCHES 526 GARAGE 960 TOTAL 4778

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)
STATE OF FLORIDA
COUNTY OF COLUMBIA
Sworn to (or affirmed) and subscribed before me
this 20 day of Dec. 2005
Personally known X or Produced Identification



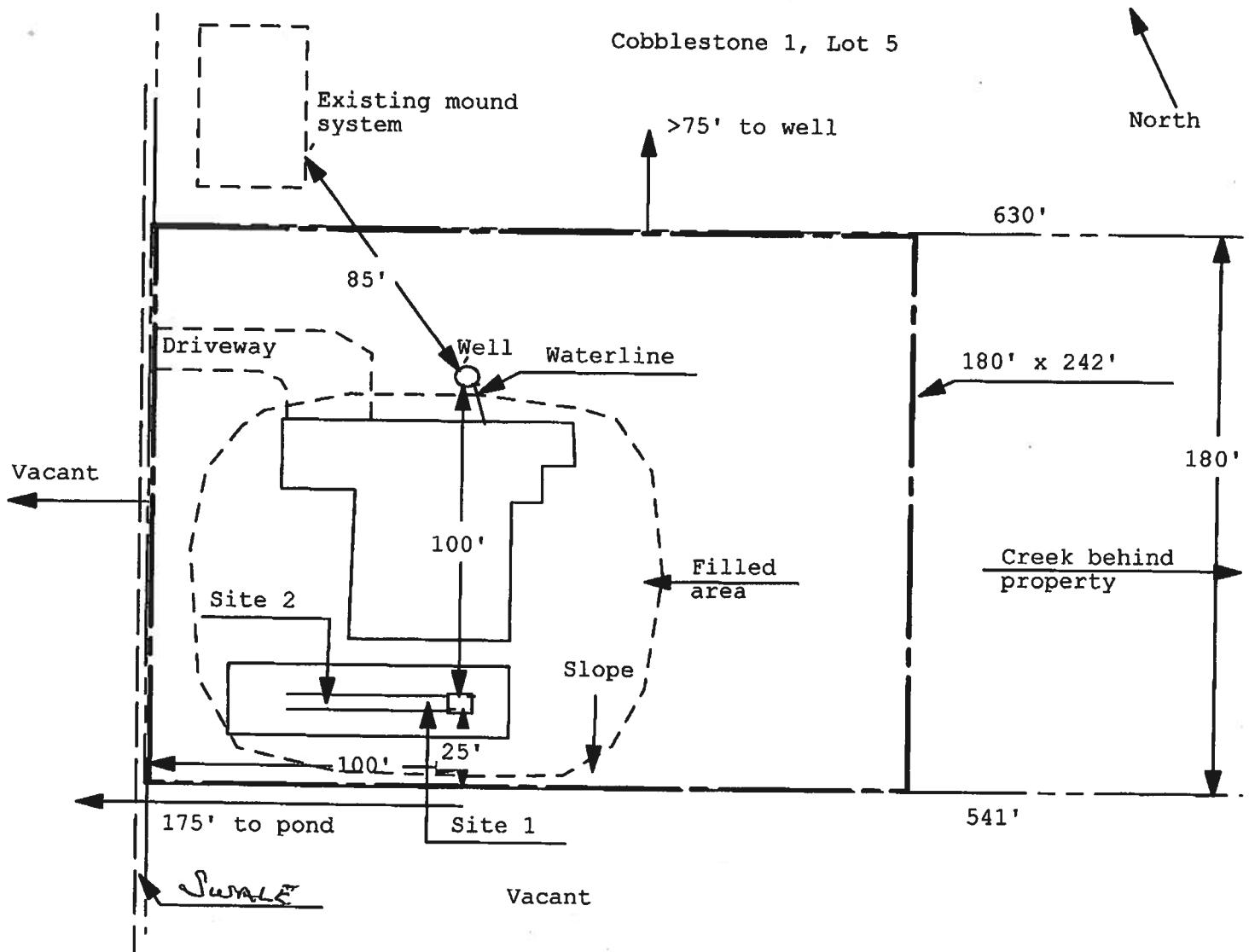
Barbara C. Webster
Commission # DD329279
Expires July 2, 2008
Bonded Troy Pain - Insurance, Inc. 800-285-7019

Isaac Bratton
Contractor Signature
Contractors License Number CBC 09323
Competency Card Number
NOTARY STAMP/SEAL
Barbara C. Webster
Notary Signature

**Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan**
Permit Application Number: 06-0287-N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

HOLLINGSHEAD/CR 05-3433



1 inch = 50 feet

Site Plan Submitted By Paul L. L. L. Date 3/21/06
Plan Approved X Not Approved Date 3-28-06

By Sallie Gaddy ESII CPHU

Notes:

Columbia CHD

RETURN TO
Terry McDavid
P. O. Box 1328
Lake City, FL 32056-1328

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 5, Cobblestone, Unit 1, a subdivision according to the plat thereof as recorded in Plat Book 8, Pages 3-6, public records, Columbia County, Florida.

2. General description of improvements:

SINGLE FAMILY HOME WITH ALL APPURTENANT IMPROVEMENTS

3. Owner Information

a. Name and Address: Ricardo B. Hollingshead
Anne Marie Hollingshead
526 NW Zack Drive
Lake City, FL 32055

b. Interest in Property: Fee Simple

c. Name and address of fee simple title holder (if other than Owner):

4. Contractor and Address: ISAAC CONSTRUCTION, INC.
144 SW Waterford Court
Lake City, Florida 32023

5. Surety:

a. Name and Address:

Inst: 2006008303 Date: 03/14/2006 Time: 15:27

J. P. DeWitt Cason, Columbia County B: 1677 P: 750

6. Lender and Address: AmSouth Bank
1700 SE 17th Street
Ocala, FL 34471

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 Karen M. Wright
Clerk of Courts

Date 3-14-06

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by in Section 713.13 (1)(a) 7., Florida Statutes:

8. In addition to himself, Owner designates the following persons to receive a copy of the Lender's Notice as provided in Section 713.13 (1)(b), Florida Statutes: AmSouth Bank
1700 SE 17th St.
Ocala, FL 34471

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

Ricardo B. Hollingshead

Anne Marie Hollingshead

Sworn to and subscribed before me this 14th day of MARCH 2006

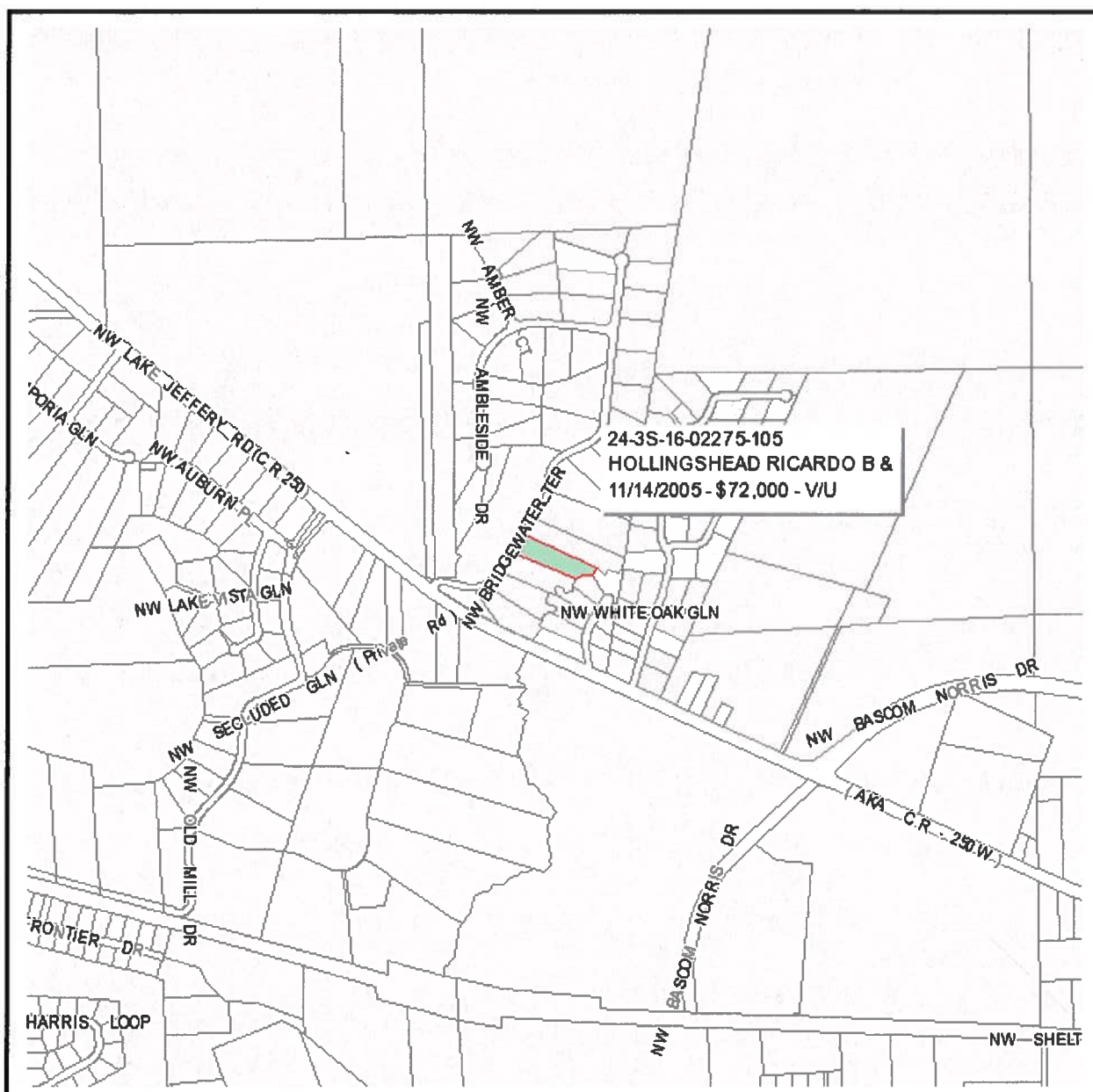
by RICARDO B. HOLLINGSHEAD and ANNE MARIE HOLLINGSHEAD



NOTARY PUBLIC
My Commission Expires:

Prepared by and return to: McDavid, Terry
178 So. Hernando Avenue
Lake City, FL

32025-4422



Columbia County Property Appraiser

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

PARCEL: 24-3S-16-02275-105 - VACANT (000000)

LOT 5 COBBLESTONE UNIT 1. WD 1045-2291. WD 1085-2161.

Name: HOLLINGSHEAD RICARDO B &	LandVal	\$42,500.00
Site: ANNE MARIE	BldgVal	\$0.00
Mail: 526 NW ZACK DR	ApprVal	\$42,500.00
LAKE CITY, FL 32024	JustVal	\$42,500.00
Sales 11/14/2005 \$72,000.00V / U	Assd	\$42,500.00
Info 4/28/2005 \$49,900.00V / Q	Exmpt	\$0.00
	Taxable	\$42,500.00

0 0.1 0.2 0.3 mi



This information, GIS Map Updated: 2/7/2006, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.



Phone (386) 755-3611

Fax (386) 752-5381

Notice of Intent for Preventative Treatment for Termites

(As required by Florida Building Code (FBC) 104.2.6)

Aspen Pest Control, Inc.**(386) 755-3611****State License # - JB109476****State Certification # - JF104376****Rick Hollingslead, 277 NW Bridgewater Ter, Lake City, FL, 32055****Address of Treatment or Lot/Block of Treatment****Bora-Care Wood Treatment – 23% Disodium Octaborate Tetrahydrate****Method of Termite Prevention Treatment – Soil Barrier, Wood Treatment, Bait System, Other****Application onto Structural Wood****Description of Treatment**

The above named structure will receive a complete treatment for the prevention of subterranean termites at the dried-in stage of construction. Treatment is done in accordance with the rules and laws established by the Florida Department of Agriculture and Consumer Services and according to EPA registered label directions as stated in Florida Building Code Section 1861.1.8.

Celia Ogden
Authorized Signature

1-18-2006
Date

FROM :

FAX NO. :386-755-7022

Sep. 17 2002 01:52PM P1

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS



**DONALD AND MARY HALL
OWNERS**

**PHONE (904) 752-1334
FAX (904) 755-7022
LAKESIDE PARKWAY
LAKE CITY, FLORIDA 32055
904 NW Main Blvd.**

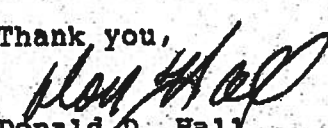
June 12, 2002

NOTICE TO ALL CONTRACTORS

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

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

Thank you,


Donald D. Hall
DDH/jk

Ann: Meggie

**Columbia County Building Department
Culvert Waiver**

**Culvert Waiver No.
000001043**

DATE: 11/29/2006

BUILDING PERMIT NO. 24356

APPLICANT JOSH WILLEMS

PHONE 623-4849

ADDRESS 125 SW MIDTOWN PLACE

LAKE CITY

FL 32025

OWNER RICARDO & ANNE MARIE HOLLINGSHEAD

PHONE 719-2580

ADDRESS 277 NW BRIDGE WATER TERR

LAKE CITY

FL 32055

CONTRACTOR ISAAC CONSTRUCTION

PHONE 719-7143

LOCATION OF PROPERTY LAKE JEFFERY RD, R NW BRIDGEWATER TERR, 5TH LOT DOWN

SUBDIVISION/LOT/BLOCK/PHASE/UNIT COBBLESTONE

5

PARCEL ID # 34-6S-16-04056-127

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

SIGNATURE: [Signature]

A SEPARATE CHECK IS REQUIRED

MAKE CHECKS PAYABLE TO BCC

Amount Paid 50.00

PUBLIC WORKS DEPARTMENT USE ONLY

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

APPROVED ☒

NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS: CULVERT IS REQUIRED OR INVERT IN DRIVEWAY IS USED
IF ANY QUESTION CALL PERRY LITTLE 386 867-4415

SIGNED: [Signature]

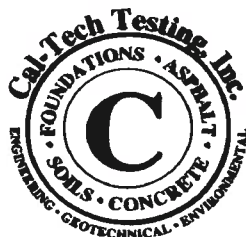
DATE: 12-1-06

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

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

RECEIVED
NOV 30 2006
By: _____





Cal-Tech Testing, Inc.

• Engineering
• Geotechnical
• Environmental
Laboratories

P.O. Box 1625 • Lake City, FL 32056-1625 • Tel(386)755-3633 • Fax(386)752-5456

6919 Distribution Ave. S., Unit #5, Jacksonville, FL 32257 • Tel(904)262-4046 • Fax(904)262-4047

2230 Greensboro Hwy • Quincy, FL 32351 • Tel(850)442-3495 • Fax(850)442-4008

24356

REPORT OF IN-PLACE DENSITY TEST

JOB NO.: 06-136

DATE TESTED: 4/18/06

DATE REPORTED: 4/20/06

PROJECT:	Lot #5, Cobblestone, Lake City	
CLIENT:	Isaac Construction, 144 SW Waterford Ct., STE 101, Lake City, FL 32025	
GENERAL CONTRACTOR:	Isaac Construction	
EARTHWORK CONTRACTOR:	Isaac Construction	
INSPECTOR:	Chad Day	
ASTM METHOD (D-2922) Nuclear ▼		SOIL USE BUILDING FILL ▼
SPECIFICATION REQUIREMENTS: 95%		

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft ³)	MOISTURE PERCENT	DRY DENSITY (lb/ft ³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
1	West Side Center 10'E	0-12"	119.5	15.4	103.6	PIT	105.2	98.4%
2	North End Center of Pad	0-12"	116.4	8.0	107.8	PIT	105.2	102.5%
3	East Side Center of Pad	0-12"	113.0	9.7	103.0	PIT	105.2	97.9%
4	South End Center of Pad	0-12"	115.6	7.9	107.1	PIT	105.2	101.8%

REMARKS:

The Above Tests Meet Specification Requirements. ▼

PROCTORS					
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft ³)	OPT. MOIST.	TYPE	
PIT	Tan Fine Sand (Timmerman's Pit)	105.2	12.4	MODIFIED (ASTM D-1557)	▼

Respectfully Submitted,
CAL-TECH TESTING, INC.

Linda M. Creamer
President - CEO

sw

The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in accordance with generally accepted methods and standards. Since material conditions can vary between test locations and change with time, sound judgement should be exercised with regard to the use and interpretation of the data.

Reviewed By:

Date: 4/21/06

Florida Registration No: 52612

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name:	Isaac Construction - Hollingshead	Builder:	Isaac Construction, Inc.
Address:	Lot: 5, Sub: Cobblestone, Plat:	Permitting Office:	<i>Columbia County</i>
City, State:	, FL 32025-	Permit Number:	<i>24356</i>
Owner:	Ricky & Anne Hollingshead	Jurisdiction Number:	<i>221000</i>
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 72.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 11.00
4. Number of Bedrooms	4	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	3292 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: 72.0 kBtu/hr
a. U-factor:	Description Area		HSPF: 6.80
(or Single or Double DEFAULT) 7a. (Dble Default) 552.3 ft²		b. N/A	
b. SHGC:		c. N/A	
(or Clear or Tint DEFAULT) 7b. (Clear) 552.3 ft²		14. Hot water systems	
8. Floor types		a. Electric Resistance	Cap: 50.0 gallons
a. Slab-On-Grade Edge Insulation	R=0.0, 304.0(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. Concrete, Int Insul, Exterior	R=19.0, 1941.7 ft²	DHP-Dedicated heat pump)	
b. Frame, Wood, Adjacent	R=13.0, 284.0 ft²	15. HVAC credits	PT,
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, 3492.0 ft²	MZ-H-Multizone heating)	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 50.0 ft		
b. N/A			

Glass/Floor Area: 0.17

Total as-built points: 43098

Total base points: 43781

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: 12-14-05

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

OWNER/AGENT: [Signature]

DATE: 12-14-05

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: 5, Sub: Cobblestone, Plat: , , 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	3292.0	20.04	11874.9	Double, Clear	W	1.5	8.0	30.0	38.52	0.96	1107.3	
				Double, Clear	W	1.5	10.0	20.0	38.52	0.98	754.3	
				Double, Clear	W	1.5	10.0	63.0	38.52	0.98	2375.9	
				Double, Clear	N	1.5	10.0	21.0	19.20	0.98	395.9	
				Double, Clear	N	5.5	10.0	21.0	19.20	0.81	328.0	
				Double, Clear	N	7.5	10.0	17.8	19.20	0.76	258.6	
				Double, Clear	NW	10.0	10.0	49.0	25.97	0.64	812.6	
				Double, Clear	W	18.5	10.0	60.0	38.52	0.42	962.2	
				Double, Clear	SW	10.5	10.0	21.0	40.16	0.48	405.2	
				Double, Clear	W	12.5	10.0	40.0	38.52	0.48	736.4	
				Double, Clear	NW	1.5	10.0	21.0	25.97	0.98	535.6	
				Double, Clear	N	1.5	10.0	28.0	19.20	0.98	527.8	
				Double, Clear	N	1.5	10.0	6.0	19.20	0.98	113.1	
				Double, Clear	E	3.5	10.0	4.5	42.06	0.83	158.0	
				Double, Clear	E	1.5	10.0	70.0	42.06	0.98	2880.5	
				Double, Clear	E	12.5	10.0	40.0	42.06	0.46	779.2	
				Double, Clear	S	1.5	8.0	6.0	35.87	0.92	198.7	
				Double, Clear	S	1.5	8.0	30.0	35.87	0.92	993.5	
				Double, Clear	S	1.5	8.0	4.0	35.87	0.92	132.5	
				As-Built Total:		552.3			14455.3			
WALL TYPES				Type		R-Value		Area X SPM = Points				
Adjacent	284.0	0.70	198.8	Concrete, Int Insul, Exterior		19.0		1941.7		0.20		388.3
Exterior	1941.7	1.70	3300.9	Frame, Wood, Adjacent		13.0		284.0		0.60		170.4
Base Total:				2225.7		3499.7		As-Built Total:		2225.7		558.7
DOOR TYPES				Type		R-Value		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				Type		R-Value		Area X SPM X SCM = Points				
Under Attic	3292.0	1.73	5695.2	Under Attic		30.0		3492.0		1.73 X 1.00		6041.2
Base Total:				3292.0		5695.2		As-Built Total:		3492.0		6041.2

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 5, Sub: Cobblestone, Plat: , , FL, 32025-

PERMIT #:

BASE				AS-BUILT				
FLOOR TYPES Area X BSPM = Points				Type	R-Value	Area X SPM = Points		
Slab	304.0(p)	-37.0	-11248.0	Slab-On-Grade Edge Insulation	0.0	304.0(p)	-41.20	-12524.8
Raised	0.0	0.00	0.0					
Base Total:			-11248.0	As-Built Total:		304.0	-12524.8	
INFILTRATION Area X BSPM = Points				Area X SPM = Points				
3292.0 10.21 33611.3				3292.0 10.21 33611.3				
Summer Base Points: 43465.1				Summer As-Built Points: 42173.7				
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
43465.1	0.4266	18542.2		(sys 1: Central Unit 72000 btuh ,SEER/EFF(11.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS) 42174 1.00 (1.09 x 1.147 x 1.00) 0.310 0.950 15541.7 42173.7 1.00 1.250 0.310 0.950 15541.7				

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 5, Sub: Cobblestone, Plat: , , FL, 32025-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	3292.0	12.74	7549.2	Double, Clear	W	1.5	8.0	30.0	20.73	1.01	628.8
				Double, Clear	W	1.5	10.0	20.0	20.73	1.01	416.9
				Double, Clear	W	1.5	10.0	63.0	20.73	1.01	1313.4
				Double, Clear	N	1.5	10.0	21.0	24.58	1.00	516.2
				Double, Clear	N	5.5	10.0	21.0	24.58	1.01	521.6
				Double, Clear	N	7.5	10.0	17.8	24.58	1.01	443.9
				Double, Clear	NW	10.0	10.0	49.0	24.30	1.02	1220.0
				Double, Clear	W	18.5	10.0	60.0	20.73	1.22	1516.3
				Double, Clear	SW	10.5	10.0	21.0	16.74	1.63	572.2
				Double, Clear	W	12.5	10.0	40.0	20.73	1.19	987.3
				Double, Clear	NW	1.5	10.0	21.0	24.30	1.00	510.0
				Double, Clear	N	1.5	10.0	28.0	24.58	1.00	688.3
				Double, Clear	N	1.5	10.0	6.0	24.58	1.00	147.5
				Double, Clear	E	3.5	10.0	4.5	18.79	1.07	90.1
				Double, Clear	E	1.5	10.0	70.0	18.79	1.01	1332.2
				Double, Clear	E	12.5	10.0	40.0	18.79	1.35	1013.1
				Double, Clear	S	1.5	8.0	6.0	13.30	1.04	83.1
				Double, Clear	S	1.5	8.0	30.0	13.30	1.04	415.3
				Double, Clear	S	1.5	8.0	4.0	13.30	1.04	55.4
				As-Built Total:		552.3			12471.6		
WALL TYPES				Type		R-Value		Area X WPM = Points			
Adjacent	284.0	3.60	1022.4	Concrete, Int Insul, Exterior		19.0		1941.7		1.90 3689.2	
Exterior	1941.7	3.70	7184.3	Frame, Wood, Adjacent		13.0		284.0		3.30 937.2	
Base Total:				2225.7		8206.7		As-Built Total:		2225.7 4626.4	
DOOR TYPES				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				Type		R-Value		Area X WPM X WCM = Points			
Under Attic	3292.0	2.05	6748.6	Under Attic		30.0		3492.0		2.05 X 1.00 7158.6	
Base Total:				3292.0		6748.6		As-Built Total:		3492.0 7158.6	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 5, Sub: Cobblestone, Plat: , , FL, 32025-

PERMIT #:

BASE				AS-BUILT				
FLOOR TYPES	Area	X	BWPM = Points	Type	R-Value	Area	X	WPM = Points
Slab	304.0(p)	8.9	2705.6	Slab-On-Grade Edge Insulation	0.0	304.0(p)	18.80	5715.2
Raised	0.0	0.00	0.0					
Base Total:			2705.6	As-Built Total:		304.0		5715.2
INFILTRATION	Area	X	BWPM = Points			Area	X	WPM = Points
	3292.0	-0.59	-1942.3			3292.0	-0.59	-1942.3
Winter Base Points:			23427.8	Winter As-Built Points:				28189.5
Total Winter X Points	System Multiplier	=	Heating Points	Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)				
				(sys 1: Electric Heat Pump 72000 btuh ,EFF(6.8) Ducts:Unc(S),Unc(R),Gar(AH),R6.0				
23427.8	0.6274		14698.6	28189.5 1.000 (1.069 x 1.169 x 1.00) 0.501 0.950 16782.2				
				28189.5 1.00 1.250 0.501 0.950 16782.2				

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

ADDRESS: Lot: 5, Sub: Cobblestone, Plat: , , FL, 32025-

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
4		2635.00	10540.0	50.0	0.90	4		1.00	2693.56
				As-Built Total:				10774.2	

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling Points	+	Heating Points	= Total Points	Cooling Points	+	Heating Points	= Total Points
18542		14699	43781	15542		16782	43098

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 5, Sub: Cobblestone, Plat: , , 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.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 83.5

The higher the score, the more efficient the home.

Ricky & Anne Hollingshead, Lot: 5, Sub: Cobblestone, Plat: , , FL, 32025-

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 72.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 11.00
4. Number of Bedrooms	4	___	b. N/A	___
5. Is this a worst case?	No	___	c. N/A	___
6. Conditioned floor area (ft ²)	3292 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: 72.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 552.3 ft ²	___		HSPF: 6.80
b. SHGC:		___	b. N/A	___
(or Clear or Tint DEFAULT)	7b. (Clear) 552.3 ft ²	___	c. N/A	___
8. Floor types		___		___
a. Slab-On-Grade Edge Insulation	R=0.0, 304.0(p) ft	___	14. Hot water systems	
b. N/A	___	___	a. Electric Resistance	Cap: 50.0 gallons
c. N/A	___	___		EF: 0.90
9. Wall types		___	b. N/A	___
a. Concrete, Int Insul, Exterior	R=19.0, 1941.7 ft ²	___	c. Conservation credits	___
b. Frame, Wood, Adjacent	R=13.0, 284.0 ft ²	___	(HR-Heat recovery, Solar	
c. N/A	___	___	DHP-Dedicated heat pump)	
d. N/A	___	___	15. HVAC credits	PT, ___
e. N/A	___	___	(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		___	HF-Whole house fan,	
a. Under Attic	R=30.0, 3492.0 ft ²	___	PT-Programmable Thermostat,	
b. N/A	___	___	MZ-C-Multizone cooling,	
c. N/A	___	___	MZ-H-Multizone heating)	
11. Ducts		___		
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 50.0 ft	___		
b. N/A	___	___		

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

Builder Signature: _____ Date: _____

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



**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE 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.*

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.

A24381

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. JB102476 Company Phone No. 386-755-3811
FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name: Isaac Coart Company Phone No. _____

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 277 NW Bridgewater Terrace
Lake City, FL
Tablets
Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other _____
Approximate Depth of Footing: Outside 12 Inside 36 Type of Fill Asst

Section 4: Treatment Information

Date(s) of Treatment(s) 5-16-06
Brand Name of Product(s) Used Exterminator
EPA Registration No. 53883-92
Approximate Final Mix Solution % 0.25%
Approximate Size of Treatment Area: Sq. ft. 4774 Linear ft. 332 Linear ft. of Masonry Voids 332
Approximate Total Gallons of Solution Applied 1144
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 Brennan 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 Steve Brennan Date 5-16-06

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

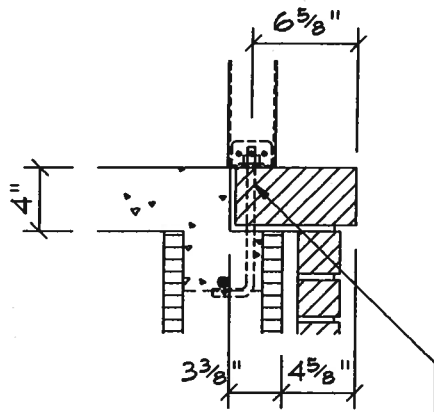
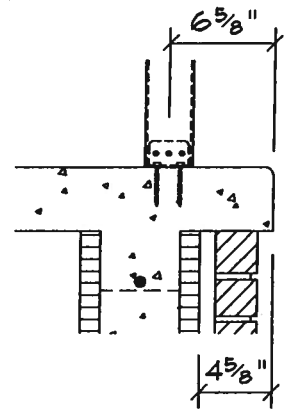
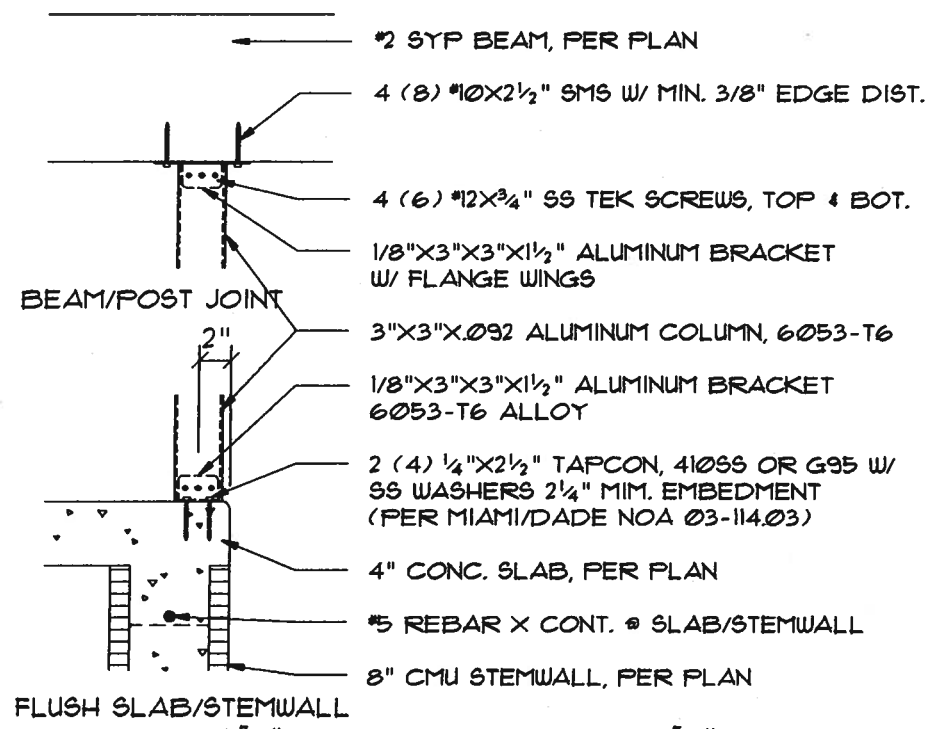
form HUD-NPCA-99-B (04/2003)

#24356



**NICHOLAS
PAUL
GEISLER
ARCHITECT**
N.C.A.R.B. Certified

1758 NW Brown Road
Lake City, FL 32055
386/755-9021



1/2" x 9" A.B. G90 OR HDG W/
1 1/2" MATCHING WASHER & NUT
ALT: 1/2" THD ROD G90 OR HDG
W/ "SIMPSON" AT EPOXY W/ MIN.
5" EMBEDMENT IN CONCRETE

W/ BRICK VENEER

W/ BRICK VENEER
& BRICK ROWLOCK

ALUM. PORCH POST & HEADER ANCHORS

SCALE: 1" = 1'-0"
1.0K UPLIFT (1.5K UPLIFT) CAPACITY

[Signature]
AR7005
27 July 2K6

Columbia County Building Department Culvert Permit

Culvert Permit No.
000001043

DATE 04/06/2006 PARCEL ID # 34-6S-16-04056-127

APPLICANT LINDA RODER PHONE 752-2281

ADDRESS 387 SW KEMP CT LAKE CITY FL 32024

OWNER RICARDO & ANNE MARIE HOLLINGSHEAD PHONE 719-2580

ADDRESS 277 NW BRIDGE WATER TERR LAKE CITY FL 32055

CONTRACTOR ISAAC CONSTRUCTION PHONE 719-7143

LOCATION OF PROPERTY LAKE JEFFERY RD, R NW BRIDGEWATER TERR, 5TH LOT DOWN

SUBDIVISION/LOT/BLOCK/PHASE/UNIT COBBLESTONE 5

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



CERTIFICATE OF OCCUPANCY

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 24-3S-16-02275-105

Building permit No. 000024356

Use Classification SFD, UTILITY

Fire: 50.22

Permit Holder ISAAC CONST

Waste: 150.75

Owner of Building RICARDO & ANNE MARIE HOLLINGSHEAD Total: 200.97

Location: 277 NW BRIDGE WATER TERR(COBBLESTONE, LOT 5)

Date: 01/11/2007



Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



09 FEBRUARY 2006

JOHNNY KEARSE, BUILDING OFFICIAL
COLUMBIA COUNTY, BUILDING DEPT.
COLUMBIA COUNTY COURTHOUSE ANNEX
LAKE CITY, FLORIDA 32055

RE: HOLLINGSHEAD RESIDENCE
PERMIT Nr.: _____

DEAR SIR:

PLEASE BE ADVISED OF THE FOLLOWING CHANGES TO THE CONSTRUCTION DOCUMENTS FOR THE ABOVE REFERENCED PROJECT:

IN LIEU OF THE TRUSS ANCHORS INDICATED IN THE CON DOCS, IT SHALL BE PERMISSIBLE TO ANCHOR THE TRUSSES TO THE WALL PLATE WITH "SIMPSON" H3 ANCHORS EXCEPT AS NOTED HERE:

TRUSSES A1, A2, A3, A11, A13, A14, A16, A17, A18, H1AT, H9AT, H15AT, H17AT, H19AT, H21AT, H23AT, H11AT, H13AT, H1D, E1, H3F, HJ7S, M2, J5 & M1, USE 2 "SIMPSON" H25A, MOUNTED DIAGONAL OPPOSITE - ONE EACH OF THE TRUSS, EACH END.

TRUSS GIRDER A19: USE 2 "SIMPSON" H3 AT END BEARING, USE 2 "SIMPSON" LGT2 ANCHORS AT CENTER BEARING LOCATION.
NOTE: PROVIDE SYP#2 OR BETTER STUDS AT GIRDER TRUSS BEARING.

TRUSS A19: USE "SIMPSON" LGT2 AT CENTER BEARING LOCATION.

TRUSS GIRDER H1B: USE "SIMPSON" LGT2 ANCHOR, EACH END.
NOTE: PROVIDE SYP#2 OR BETTER STUDS AT GIRDER TRUSS BEARING.

TRUSS GIRDER B1: USE "SIMPSON" LGT3-SDS2.5 AT EACH END, AND 2 "SIMPSON" LGT2 AT CENTER BEARING.
NOTE: PROVIDE SYP#2 OR BETTER STUDS AT GIRDER TRUSS BEARING.

PAGE 2

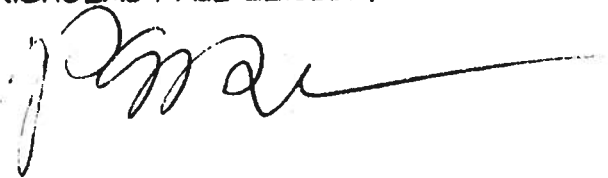
TRUSS GIRDER HTC: USE "SIMPSON" MGT AT BEARING OVER CMU WALL, USE
2 "SIMPSON" LGT2 AT BEARING OVER WOOD BEAM.

TRUSS CI: USE "SIMPSON" H16 W/ 12 - 1/4 X 2 1/4 TITEN SCREWS, EACH
END OF TRUSS.

TRUSS HTE: USE "SIMPSON" HTM916 W/4 - 1/4 X 2 1/4 TITEN SCREWS
INTO CMU WALL & 8-10d NAILS INTO TRUSS, EACH END.

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

YOURS TRULY,
NICHOLAS PAUL GEISLER, ARCHITECT AR00001005

A handwritten signature in black ink, appearing to read 'N. Geisler', with a long horizontal flourish extending to the right.

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: ISU5487-Z0325170137

Truss Fabricator: Anderson Truss Company
Job Identification: 5-555-ISAAC CONSTRUCTION / HOLLINGSHEAD
Truss Count: 83
Model Code: Florida Building Code
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 7-98 -Closed

Notes:

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

Details: BRCLBSUB-CNBRGLK-PIGBACKB-



Seal Date: 01/25/2006

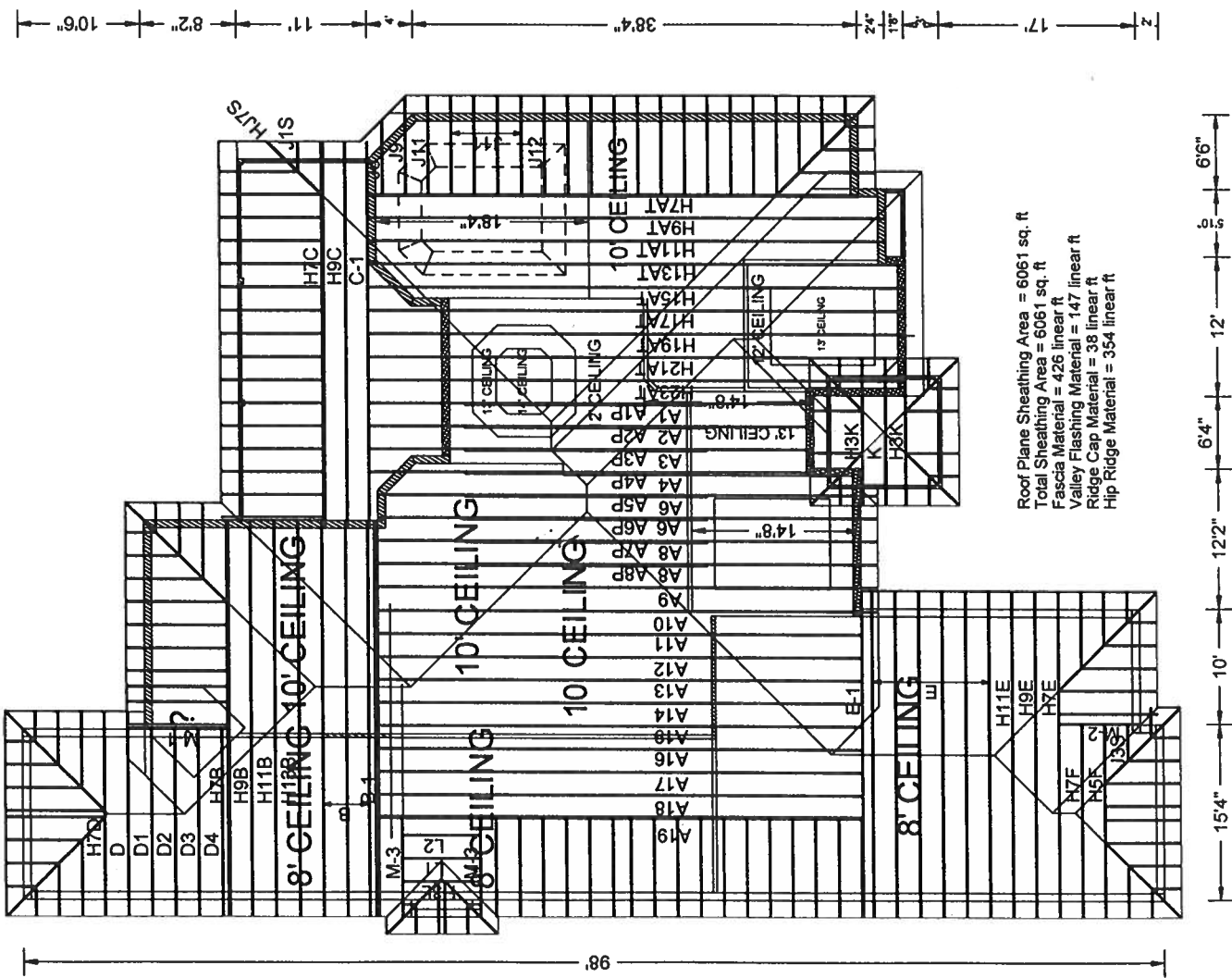
-Truss Design Engineer-
Arthur R. Fisher
Florida License Number: 59687
1950 Marley Drive
Haines City, FL 33844

#	Ref	Description	Drawing#	Date
1	36309--A12		06025069	01/25/06
2	36310--A11		06025070	01/25/06
3	36311--A18		06025071	01/25/06
4	36312--A17		06025072	01/25/06
5	36313--A16		06025073	01/25/06
6	36314--A19		06025074	01/25/06
7	36315--A19A		06025075	01/25/06
8	36316--A14		06025076	01/25/06
9	36317--A13		06025077	01/25/06
10	36318--A10		06025078	01/25/06
11	36319--A9		06025079	01/25/06
12	36320--A8		06025080	01/25/06
13	36321--A6		06025053	01/25/06
14	36323--A3		06025082	01/25/06
15	36324--A2		06025083	01/25/06
16	36325--A1		06025084	01/25/06
17	36326--A4		06025085	01/25/06
18	36327--H7AT		06025134	01/25/06
19	36328--H9AT		06025086	01/25/06
20	36329--H15AT		06025087	01/25/06
21	36330--H17AT		06025136	01/25/06
22	36331--H19AT		06025088	01/25/06
23	36332--H21AT		06025089	01/25/06
24	36333--H23AT		06025090	01/25/06
25	36334--H11AT		06025091	01/25/06
26	36335--H13AT		06025092	01/25/06
27	36336--H7B		06025093	01/25/06
28	36337--H11B		06025054	01/25/06
29	36338--H13B		06025055	01/25/06
30	36339--B		06025056	01/25/06
31	36340--B-1		06025094	01/25/06
32	36341--H9B		06025057	01/25/06
33	36342--H7C		06025095	01/25/06
34	36343--H9C		06025096	01/25/06
35	36344--C-1		06025097	01/25/06
36	36345--H7D		06025098	01/25/06
37	36346--D		06025058	01/25/06
38	36347--D1		06025059	01/25/06

#	Ref	Description	Drawing#	Date
39	36348--D2		06025099	01/25/06
40	36349--D3		06025100	01/25/06
41	36350--D4		06025101	01/25/06
42	36351--H7E		06025102	01/25/06
43	36352--H9E		06025060	01/25/06
44	36353--H11E		06025061	01/25/06
45	36354--E		06025062	01/25/06
46	36355--E-1		06025103	01/25/06
47	36356--H5F		06025104	01/25/06
48	36357--H7F		06025105	01/25/06
49	36358--J12		06025063	01/25/06
50	36359--J11		06025064	01/25/06
51	36360--J9		06025106	01/25/06
52	36361--J8		06025107	01/25/06
53	36362--EJ7		06025108	01/25/06
54	36363--J1		06025109	01/25/06
55	36364--HJ7		06025110	01/25/06
56	36365--HJ7S		06025111	01/25/06
57	36366--EJ5		06025112	01/25/06
58	36367--J1S		06025113	01/25/06
59	36368--HJ5		06025114	01/25/06
60	36369--J3		06025115	01/25/06
61	36370--J3S		06025116	01/25/06
62	36371--M-2		06025117	01/25/06
63	36372--J5		06025065	01/25/06
64	36373--M-1		06025118	01/25/06
65	36374--EJ3		06025119	01/25/06
66	36375--CJ3		06025120	01/25/06
67	36376--EJ3		06025121	01/25/06
68	36377--HJ3		06025122	01/25/06
69	36378--M-3		06025123	01/25/06
70	36379--H3K		06025124	01/25/06
71	36380--K		06025066	01/25/06
72	36381--H3L		06025133	01/25/06
73	36382--L1		06025067	01/25/06
74	36383--L2		06025068	01/25/06
75	36384--ABP		06025125	01/25/06
76	36385--A7P		06025135	01/25/06

#	Ref	Description	Drawing#	Date
77	36386--A6P		06025126	01/25/06
78	36387--A5P		06025127	01/25/06
79	36388--A4P		06025128	01/25/06
80	36389--A3P		06025129	01/25/06
81	36390--A2P		06025130	01/25/06
82	36391--A1P		06025131	01/25/06
83	36392--T75		06025132	01/25/06





JOB LOCATION:

JOB DESCRIPTION:

DESIGNED BY:

JOB NO:
 5-555
 PAGE NO:
 1 OF 1

719-4193

752-2281 Linda Roden

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

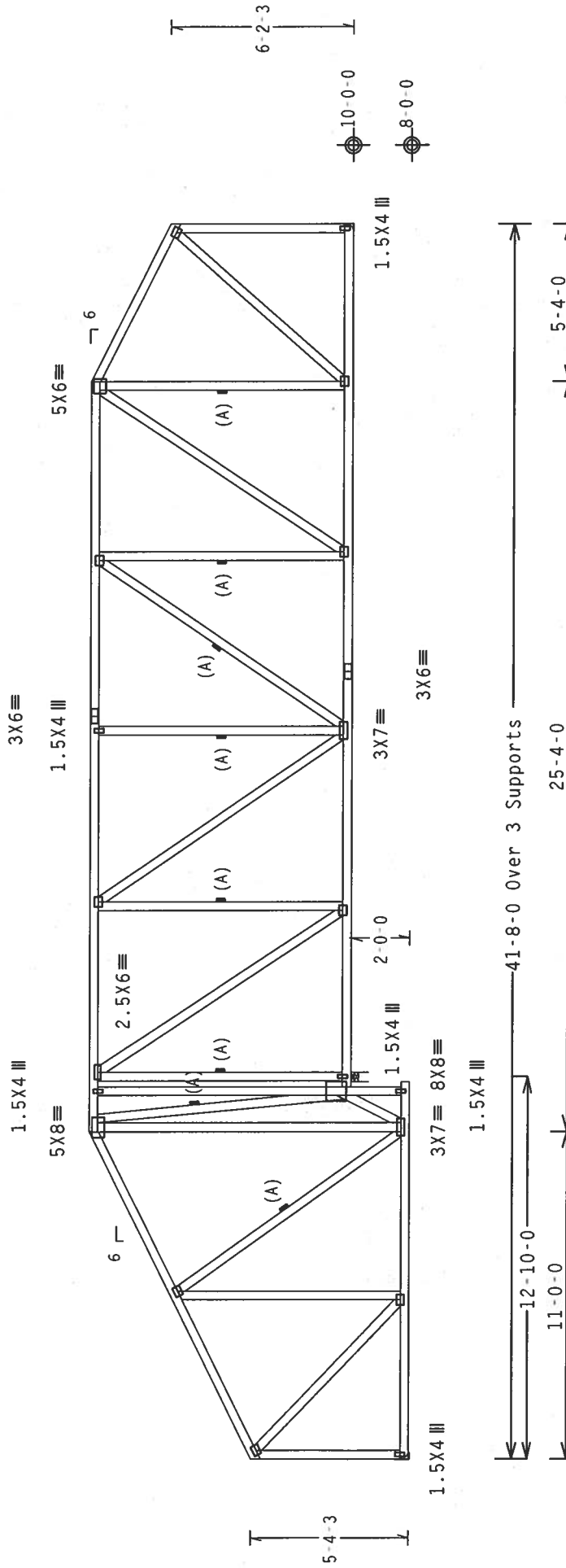
110 mph wind, 16.10 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

End verticals not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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

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



R=462 U=180 H=Simpson 1124

w/ (2) 10d. 0.148"x1.5" nails in Truss

w/ (4) 10d common. 0.148"x3.0" nails in Girder

R=1813 II=351 W=4"

Note: All Plates Are 3X4 Except As Shown.

R-1157 U=204 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 (1)2X6 min. So Pine

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
C_a/RT=1.25(1.25) $C_a/RT=1.25(1.25)/0(0)$

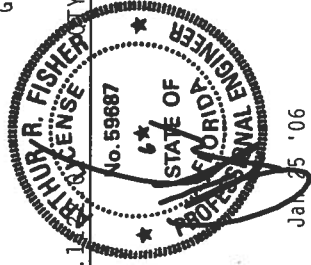
7.22.1.

E11-131-1-1R/-

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

***WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BUSH 103 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 5823 MONROE AVE., SUITE 200, MADISON, WI 53715) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53715) FOR THE LATEST SAFETY PRACTICES TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ALIGNED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RUST-SETTLING.

****IMPORTANT****TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS COMPONENTS IN ACCORDANCE WITH THE PROVISIONS CONCERNING FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE REQUIREMENTS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) 13TH EDITION, SPECIFICALLY SECTION C, PART 8 AND TYPICAL CONNECTOR PLATES ARE MADE OF 7018/16GA W/AS 57K ASTM A572-50. ALL TRUSS MEMBER PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DRAWING, POSITION PER DRAWINGS 160A - Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX 43 OF TP11-2002 SEC. 3.1. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX/TP11 SEC. 2.



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

FL Certificate of Authorization # S67

SPACING 24.0"

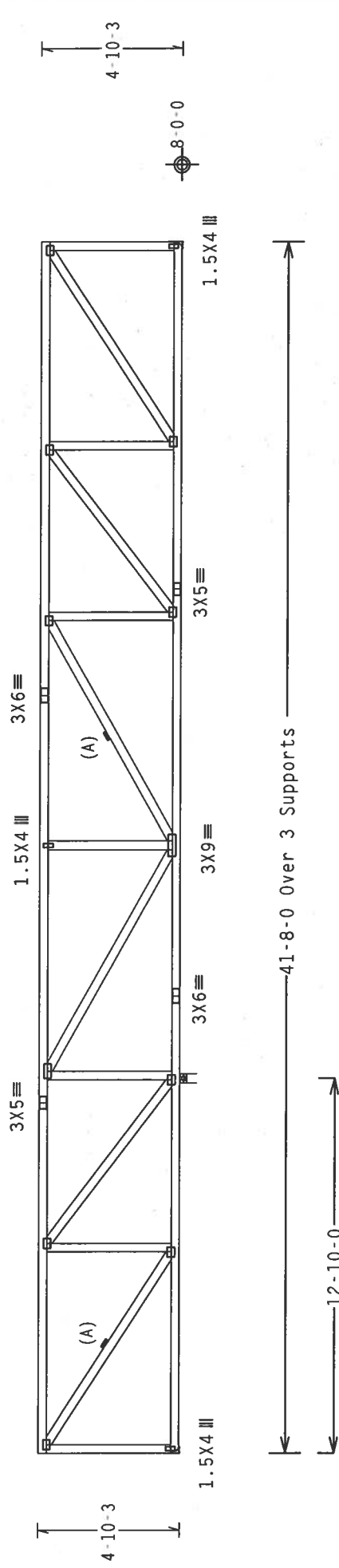
JREF- 1SU5487 Z03

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

End verticals not exposed to wind pressure.
(A) Continuous lateral bracing equally spaced on member.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.
Truss must be installed as shown with top chord up.

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

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.
Provide for complete drainage of roof.



R-169 U=180 H-Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R-2161 U=402 W-4"
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Note: All Plates Are 3X4 Except As Shown.

PLT TYP. Wave

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

Scale = .1875" / Ft.

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

REF R487-- 36311
DATE 01/25/06
DRW HCUSR487 06025071
HC-ENG JB/AF
SEQN- 12938
JREF- 1SU5487_Z03

ALPINE

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

Professional Engineer
No. 59687
STATE OF FLORIDA
Jail 25 '06

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.033 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS COMPANY, INC., 1000 ENTERPRISE BLVD., SUITE 200, MADISON, WI 53719, AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 5300 ENTERPRISE BLVD., SUITE 200, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

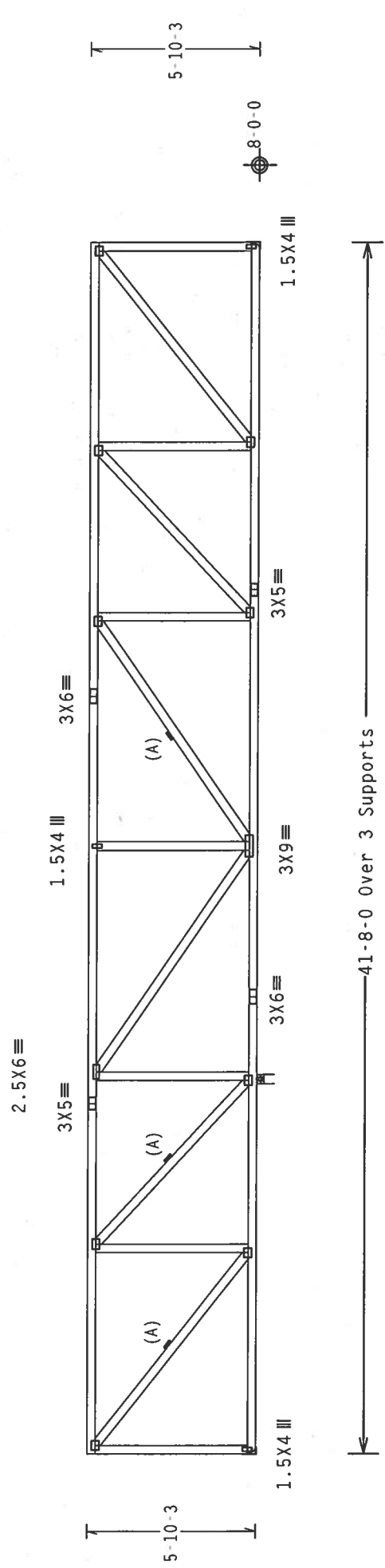
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (W.H/2/S) ASTM A553 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 THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGNER'S USE. THE SUEABILITY 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

End verticals not exposed to wind pressure.
(A) Continuous lateral bracing equally spaced on member.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.
Truss must be installed as shown with top chord up.

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

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.
Provide for complete drainage of roof.



R-1011 U-187 H-Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R-2135 U-399 W-4"

R-187 U-180 H-Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

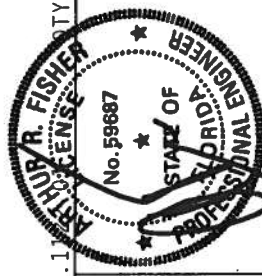
Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.25(1.25)/0(0) 7.22.11 FL/-3/-/-R/- Scale = .1875"/Ft.

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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. CONNECTOR PLATES ARE MADE TO ORDER. PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1004-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEA3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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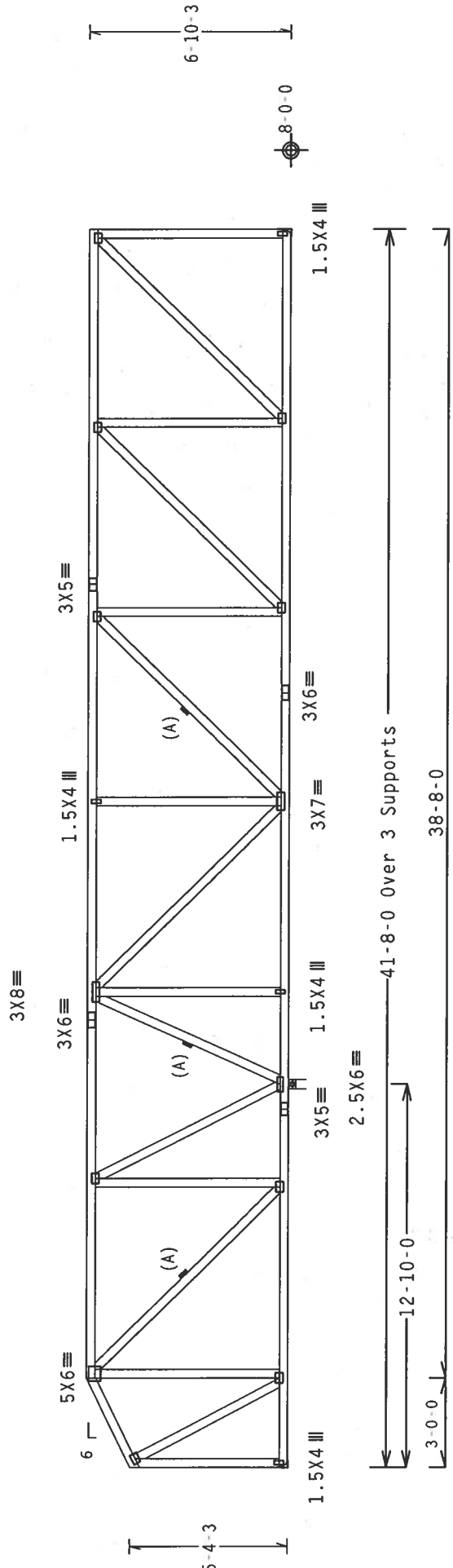
TC LL	20.0 PSF	REF R487--	36312
TC DL	10.0 PSF	DATE	01/25/06
BC DL	10.0 PSF	DRW	HCUSR487 06025072
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	12944
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SU5487_Z03

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

End verticals not exposed to wind pressure.
(A) Continuous lateral bracing equally spaced on member.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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

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



R-201 U=180 H-Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R-2189 U=411 W=4"
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Note: All Plates Are 3X4 Except As Shown.

PLT TYP. Wave

Design Crit: TPI-2002 (STD) / FBC
Cq/RT=1.25(1.25)/0(0) 7-22-11

Scale = .1875" / Ft.

TC LL	20.0 PSF	REF R487--	36313
TC DL	10.0 PSF	DATE	01/25/06
BC DL	10.0 PSF	DRW	HCUSR487 06025073
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	12948
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SU5487_Z03

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

ALPINE
ENGINEER
No. 59687
STATE OF FLORIDA
Professional Engineer
Jan 21 '06

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

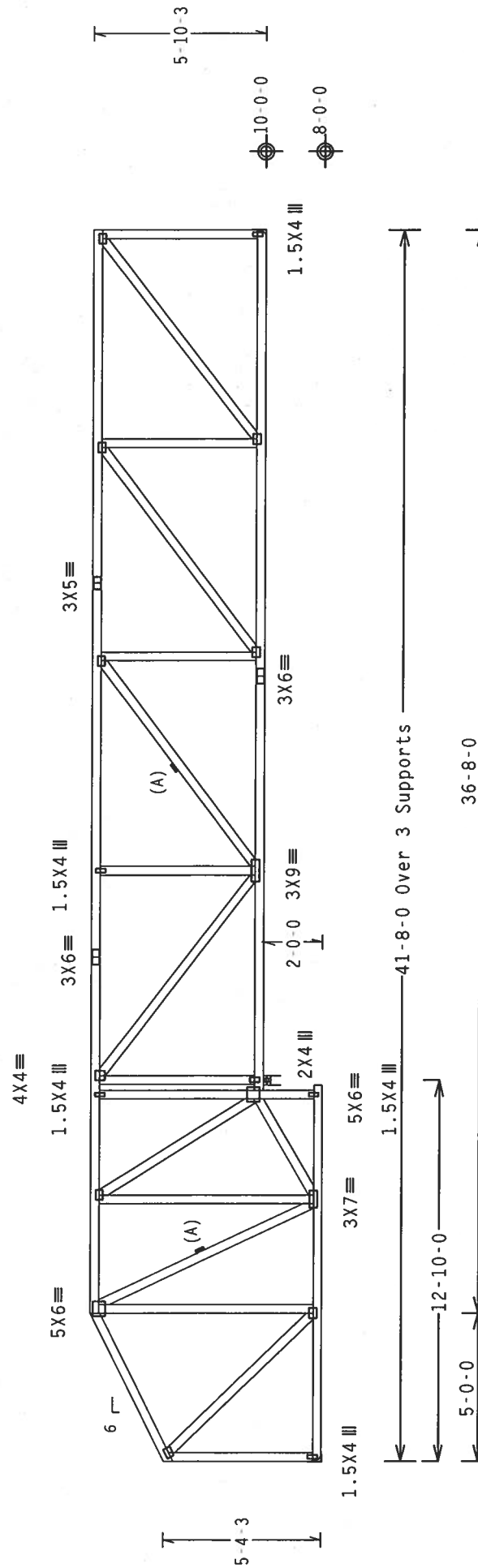
IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. CONNECTOR PLATES ARE MADE OF 2018/1624 MIN. THICKNESS. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

End verticals not exposed to wind pressure.
(A) Continuous lateral bracing equally spaced on member.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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

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



R-247 U=180 H-Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R-2124 U=409 W=4"

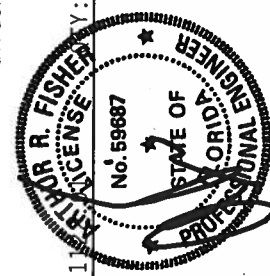
R-1061 U=193 H-Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Note: All Plates Are 3X4 Except As Shown.

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

PLT TYP. Wave

Scale = .1875" / Ft.



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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE TRUSSES ARE MANUFACTURED TO MEET OR EXCEED GRADE 50/60 (40/50) GALT. STEEL. APPLY TO EACH FACE OF TRUSS AND UNLESS OTHERWISE INDICATED, ALL TRUSSES SHALL BE GRADE 50/60 (40/50) GALT. STEEL. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEA A3 OF TPI-2002 SEC. 3.1. ANY INSPECTION OF TRUSS COMPONENTS SHALL BE PER ANNEA A3 OF TPI-2002 SEC. 3.1. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

TC LL	20.0 PSF	FL / -3 / - / R / -
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 - -	36314
DATE	01/25/06	
DRW	HCUSR487	06025074
HC-ENG	JB/AF	
SEQN-	12952	
JREF-	1SU5487_Z03	

ALPINE

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

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d Common (0.148"x3", min.) nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

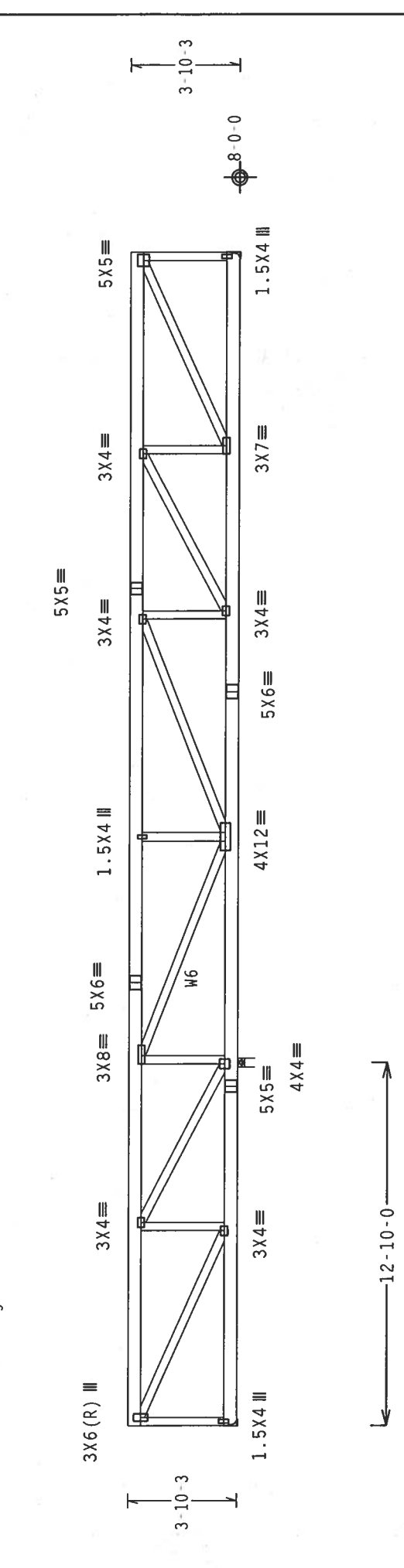
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.

End verticals not exposed to wind pressure.

Max JT VERT DEFL: LL: -0.14" DL: 0.20" recommended camber 1/4"

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.

Truss must be installed as shown with top chord up.



ALPINE

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

Professional Engineer
No. 59887
STATE OF FLORIDA
January 15, '06

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.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. CONNECTION PLATES ARE MADE OF 2018/1606 (W-16/SK) ASTM A555 GRADE 40/60 (W. 4/16.5) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY TPI SHALL BE PERFORMED BY TPI. TPI SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

TC LL	20.0	PSF	REF	R487--	36315
TC DL	10.0	PSF	DATE	01/25/06	
BC DL	10.0	PSF	DRW	HCUSR487	06025075
BC LL	0.0	PSF	HC-ENG	JB/AF	
TOT.LD.	40.0	PSF	SEQN-	140710	REV
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1SU5487_Z03	

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

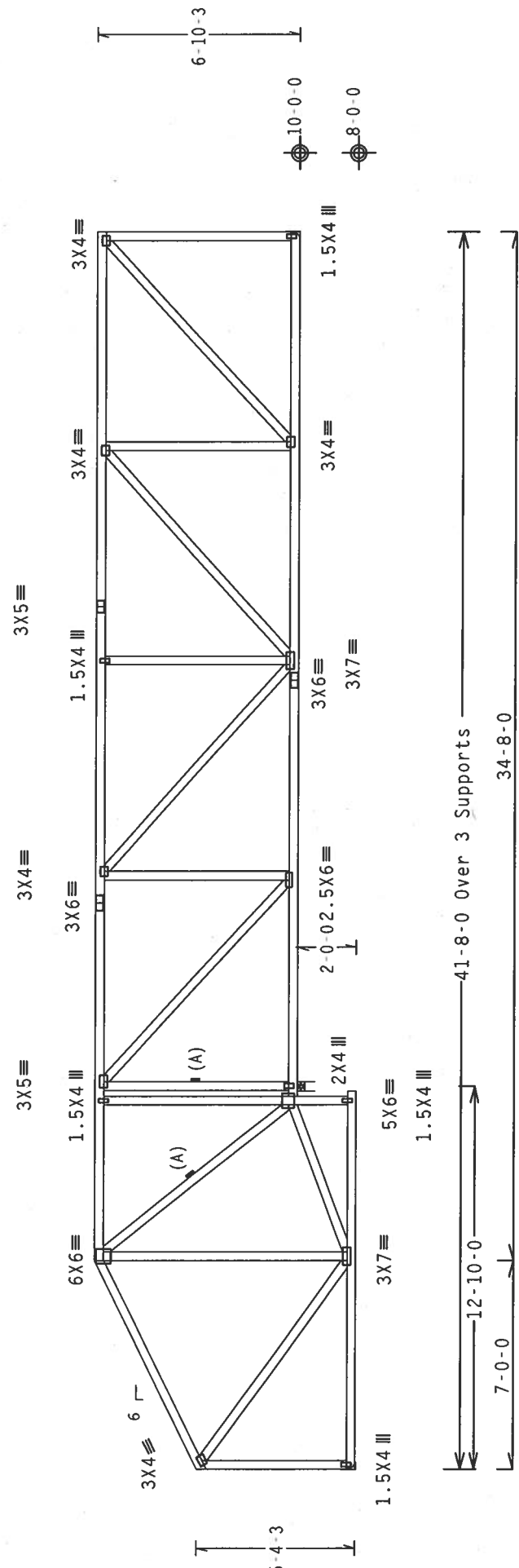
End verticals not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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

110 mph wind, 15.10 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



R-274 U=180 H-Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R-1073 U=199 H-Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R-2085 U=405 W=4"

PLT TYP. Wave

Design Crit: TPI-2002 (STD) / FBC

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

7.22.

Scale = .1875" / Ft.

FL / - / 3 / - / R / -

TC LL	20.0 PSF	REF	R487 - -	36316
TC DL	10.0 PSF	DATE	01/25/06	
BC DL	10.0 PSF	DRW	HCUSR487	06025076
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	12956	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SU5487_Z03	

ALPINE

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

Professional Engineer
R. FISHER
No. 59887
STATE OF FLORIDA
Professional Engineer
JAN 15/06

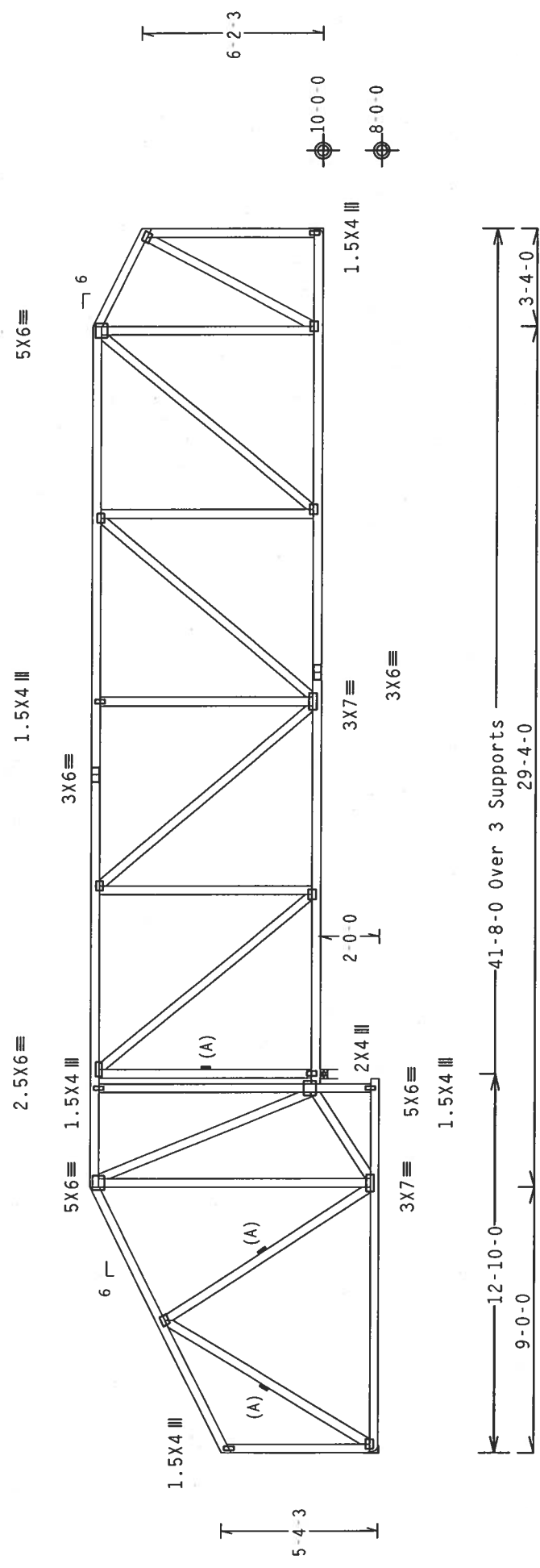
ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. CONNECTION PLATES ARE MADE OF 2018/166A (N/A/S/K) ASTM A553 GRADE 40/60 (N. K/M.S) GALV. STEEL. APPLY PLATE TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ALL TRUSSES SHALL BE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH TPI 2002 SEC. 3. THE SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS CONFORMS TO 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

End verticals not exposed to wind pressure.
(A) Continuous lateral bracing equally spaced on member.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.60 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



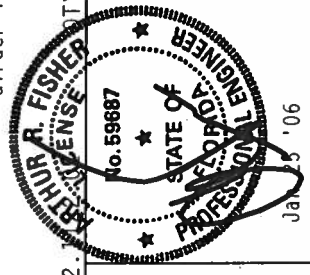
R-356 U=180 H-Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2x6 min. So.Pine

R-1967 U=384 W-4"

R-1109 U=196 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 (1)2x6 min. So.Pine

Note: All Plates Are 3X4 Except As Shown.

PLT TYP. Wave
Design Crit: TPI-2002 (STD) / FBC
Cq/RT=1.25(1.25)/0(0) 7.22.1
Scale = .1875" / Ft.



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

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 20/18/16GA (W/H/2X) ASTM A653 GRADE 40/60 (W. K/H. S) GALV. STEEL. APPLY PLATE PROTECTANT TO ALL EXPOSED SURFACES. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-Z. ALL DIMENSIONS ARE IN FEET AND INCHES. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE TO THE CENTER OF THE MEMBER. 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 - - 36317
DATE 01/25/06
DRW HCUSR487 06025077
HC-ENG JB/AF
SEQN- 12960
JREF- 1SU5487_Z03

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.

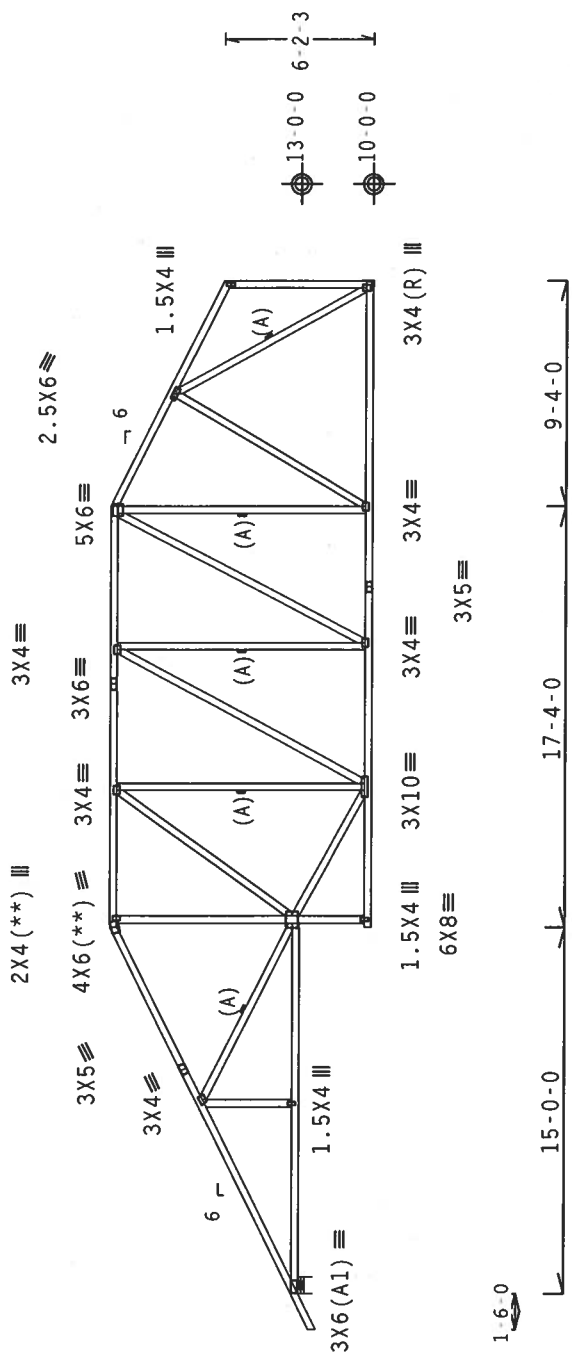
(A) Continuous lateral bracing equally spaced on member.

(**) Plate relocated as shown.

110 mph wind, 16.72 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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



PLT TYP. Wave

Design Crit: TPI-2002 (STD) / FBC

Cq/RT=1.25(1.25)/0(0) 7-22-11

Scale = .125" / Ft.

REF R487 - 36318

DATE 01/25/06

DRW HCUSR487 06025078

HC-ENG JB/AF

SEON- 12974

JREF- 1SU5487_Z03

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI. COMPANY'S DESIGN OF TRUSSES IS BASED ON THE ASSUMPTIONS OF A PERFECTLY RIGID JOINT. APPLY TO EACH FACE OF TRUSS. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK A3 OF TPI 2002 SELECTION PER UNIFORMS. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

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

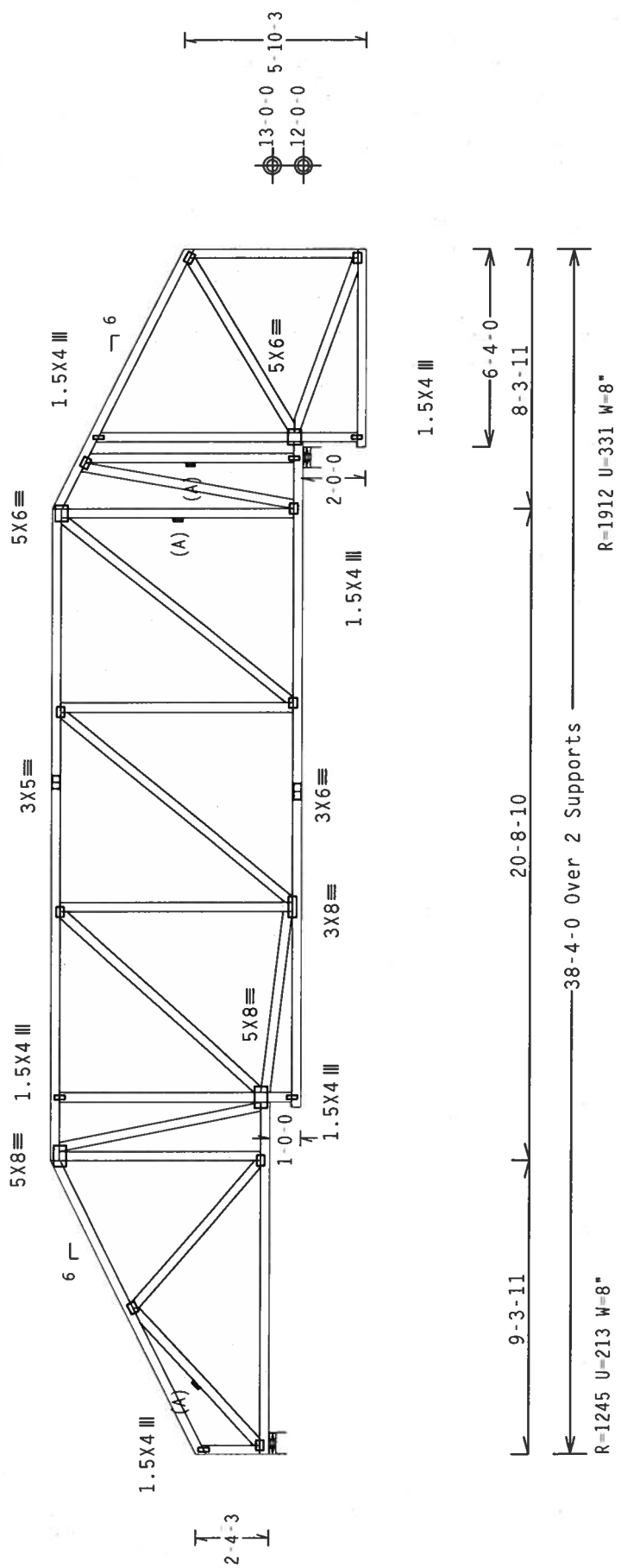
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

End verticals not exposed to wind pressure.

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

(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.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

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

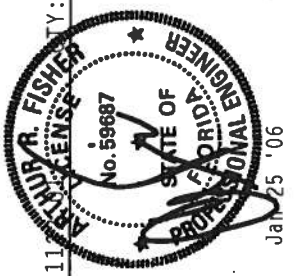
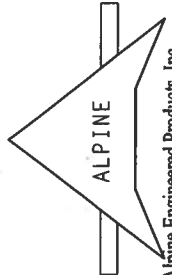
7.22.11

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

Scale = .1875" / Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 2018/7160A (W.H./S.K.) ASTM A555 GRADE 40/60 (W. K/H.S.) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOR BOWED OR CRACKED PLATES. UNLESS OTHERWISE INDICATED, ALL TRUSSES ARE TO BE CONSIDERED AS BEING LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 100A Z. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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

REF	R487--	36323
DATE	01/25/06	
DRW	HCUSR487	06025082
HC-ENG	JB/AF	
SEQN	20531	
JREF	1SU5487_Z03	

Top chord 2x6 SP #2 :T1 2x4 SP #2:
Bot chord 2x6 SP #2 :B2, B3, B4 2x8 SP SS:
Webs 2x4 SP #3 :W11, W19 2x4 SP #2:

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.

Calculated vertical deflection is 0.52" due to live load and 0.80" due to dead load at X = 27'-4"-0".

THE ARCHITECT OR ENGINEER OF RECORD SHALL EVALUATE AND APPROVE LOAD MAGNITUDES AND LOCATIONS AS SHOWN ("SPECIAL LOADS".)

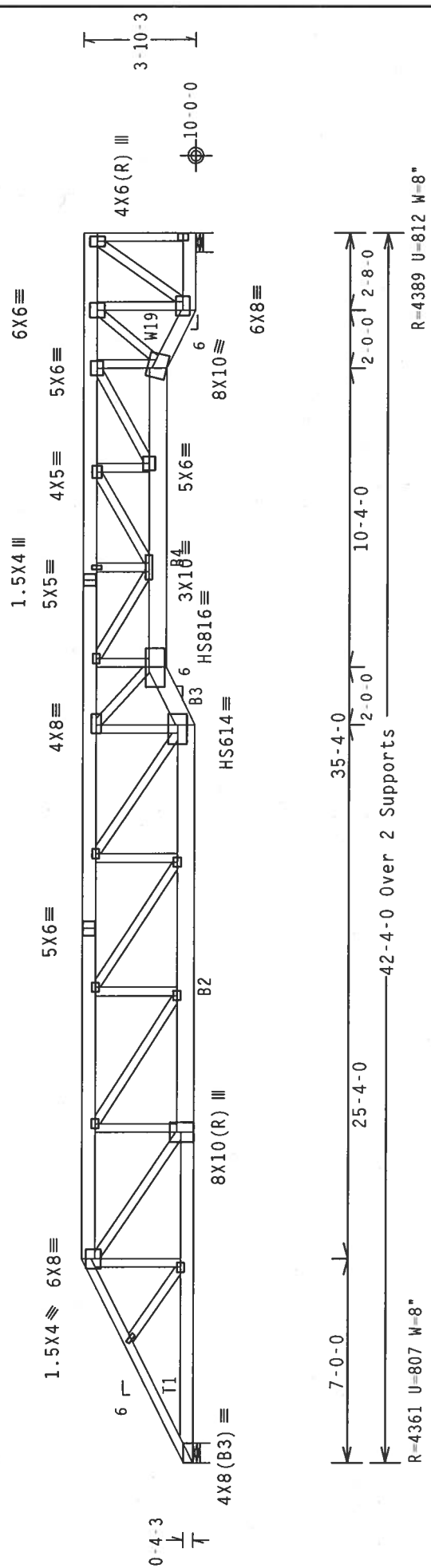
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d Common (0.148"x3", min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 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.

Calculated horizontal deflection is 0.14" due to live load and 0.21" due to dead load.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002 (STD) / FBC

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

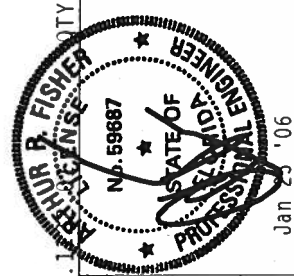
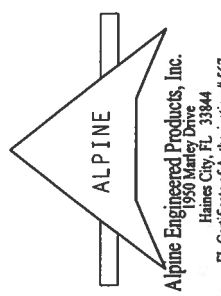
7.22.1

FL/-3/-/-R/-

Scale = .1875" / Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RC31 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 500 DUNDAS ST. E., SUITE 200, MADISON, WI 53719, AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2019/16GA (W.7/5/2) ASTM A553 GRADE 40/60 (W. 4/8/5) GALV. STEEL. APPLY TO ALL TRUSSES. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS TGA-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.



TC LL	20.0 PSF	REF	R487--	36327
TC DL	10.0 PSF	DATE	01/25/06	
BC DL	10.0 PSF	DRW	HCUSR487	06025134
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	140868	REV
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SU5487_203	

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

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

End verticals not exposed to wind pressure.

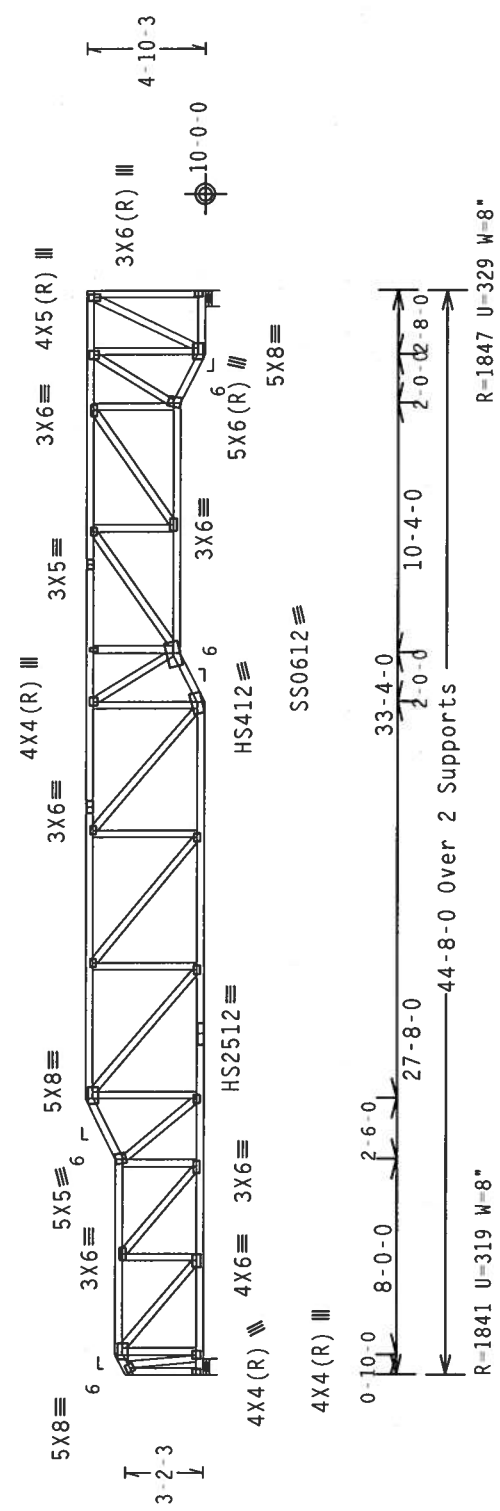
Calculated horizontal deflection is 0.12" due to live load and 0.20" due to dead load.

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

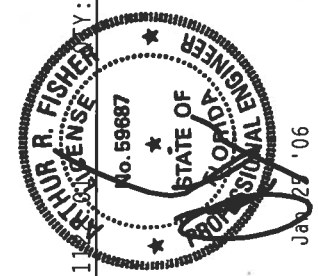
Calculated vertical deflection is 0.40" due to live load and 0.65" due to dead load at X = 22-0-15.

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

1.5X4 III



Note: All Plates Are 3X4 Except As Shown.
PLT TYP. 20 Gauge HS, 18 Gauge HS, Design Crit: TPI-2002(STD)/FBC
Wave



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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 20/19/16GA (W./H./S/K) ASTM A653 GRADE 40/60 (W. K/H.S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN INDICATES THE SIGNATURE OF THE DESIGNER. THE USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

TC LL	20.0 PSF	REF	R487--	36328
TC DL	10.0 PSF	DATE	01/25/06	
BC DL	10.0 PSF	DRW	HCUSR487	06025086
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	20582	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SU5487_Z03	

Scale = .125"/Ft.

Top chord 2x4 SP #2 Dense :T1 2x8 SP SS Dense:
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W8, W9 2x4 SP #2 Dense:
:Lt Wedge 2x4 SP #3:

Calculated horizontal deflection is 0.18" due to live load and 0.29" due to dead load.

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.

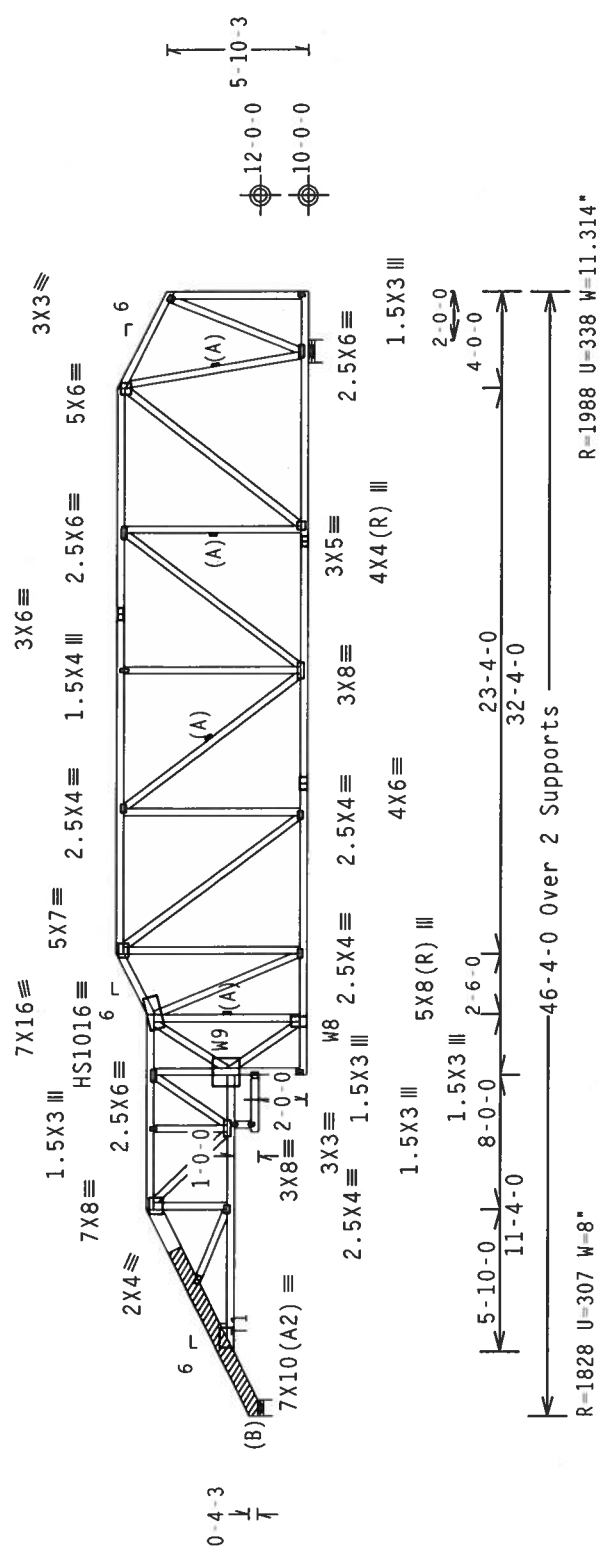
110 mph wind, 15.10 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

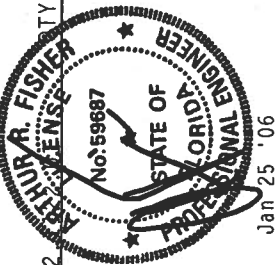
(A) Continuous lateral bracing equally spaced on member.

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

(B) (2) 2x8x7-12 SP SS Dense scabs at left end. Attach one scab to each outer face of chord with: 10d Common (0.148"x3", min.) nails @ 8" OC. Plus additional nail clusters at: BRG.: (4), heel: (7), 1st panel point: (3).



PLT TYP. 20 Gauge HS, Wave
Design Crit: TPI-2002 (STD) / FBC
Cq/RT=1.25(1.25)/0(0)



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

TC LL	20.0 PSF	FL / - / 3 / - / - / R / -	Scale = .125" / Ft.
TC DL	10.0 PSF		REF R487 -- 36329
BC DL	10.0 PSF		DATE 01/25/06
BC LL	0.0 PSF		DRW HCUSR487 06025087
TOT.LD.	40.0 PSF		HC-ENG JB/AF
DUR.FAC.	1.25		SEQN- 140354 REV
SPACING	24.0"		JREF- 1SU5487_Z03

Top chord 2x4 SP #2 Dense: T1 2x8 SP SS Dense:
Bot chord 2x4 SP #2 Dense:
Webs 2x4 SP #3: W12, W13, W14 2x4 SP #2:
:W21 2x4 SP #2 Dense:
:Lt Wedge 2x4 SP #3:

Calculated horizontal deflection is 0.19" due to live load and 0.31" due to dead load.

(A) Continuous lateral bracing equally spaced on member.

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

SEE DWGS TCFILLER103 AND BCFILLER103 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.

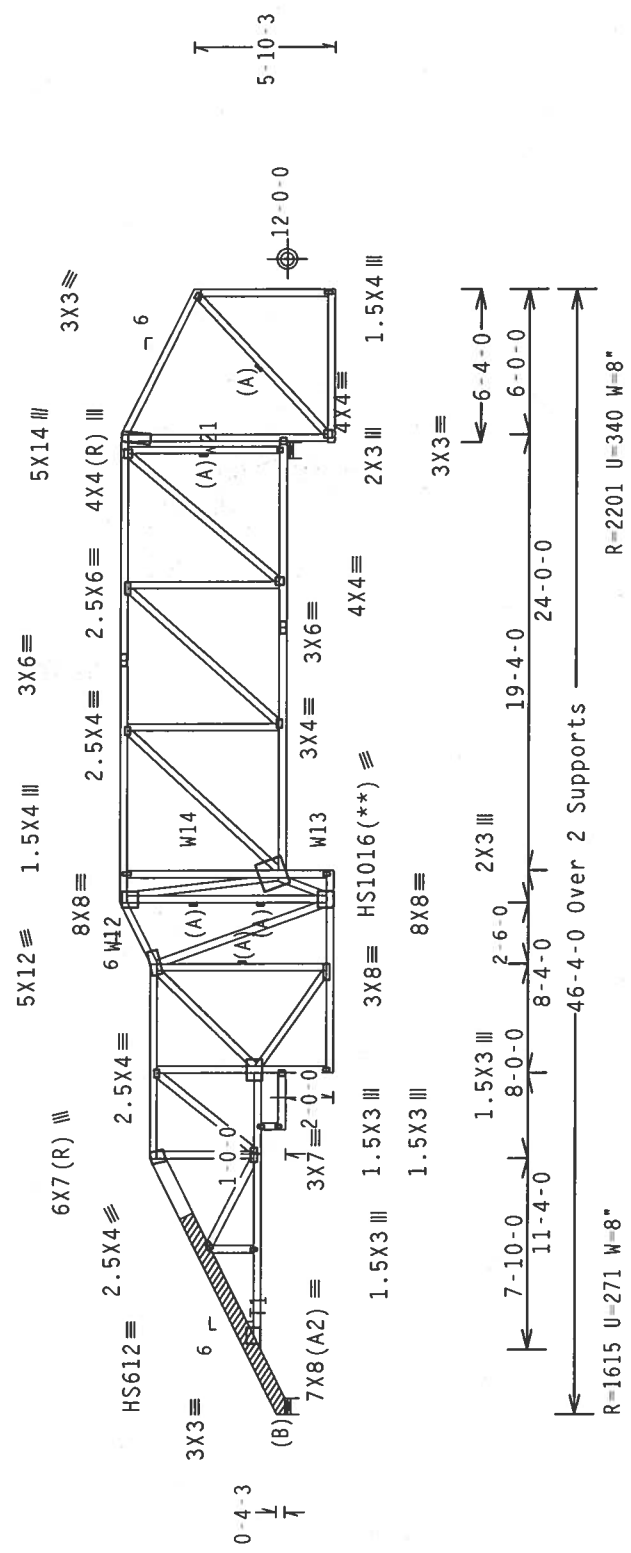
110 mph wind, 15.60 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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.

(B) (2) 2x8x9-1-2 SP SS Dense scabs at left end. Attach one scab to each outer face of chord with: 10d Common (0.148"x3" min.) nails @ 8" OC. Plus additional nail clusters at: BRG.: (4), heel: (5), 1st panel point: (2).

(**) Plate relocated as shown.



PLT TYP. 20 Gauge HS, Wave, Trulox Design Crit: TPI-2002 (STD) / FBC Cq/RT=1.25(1.25)/0(0) 7-22.1

Scale = .125" / Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE U.S. DEPARTMENT OF COMMERCE, NATIONAL BUREAU OF STANDARDS, 400 RALEIGH DRIVE, SUITE 200, MADISON, WI 53719, AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 5300 ENTERPRISE LK, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (N.W./S/R) 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. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING INDICATES THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANS1/TP1 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-- 36330
DATE	01/25/06
DRW	HCUSR487 06025136
HC-ENG	JB/AF
SEQN-	140617 REV
JREF-	1SU5487_Z03

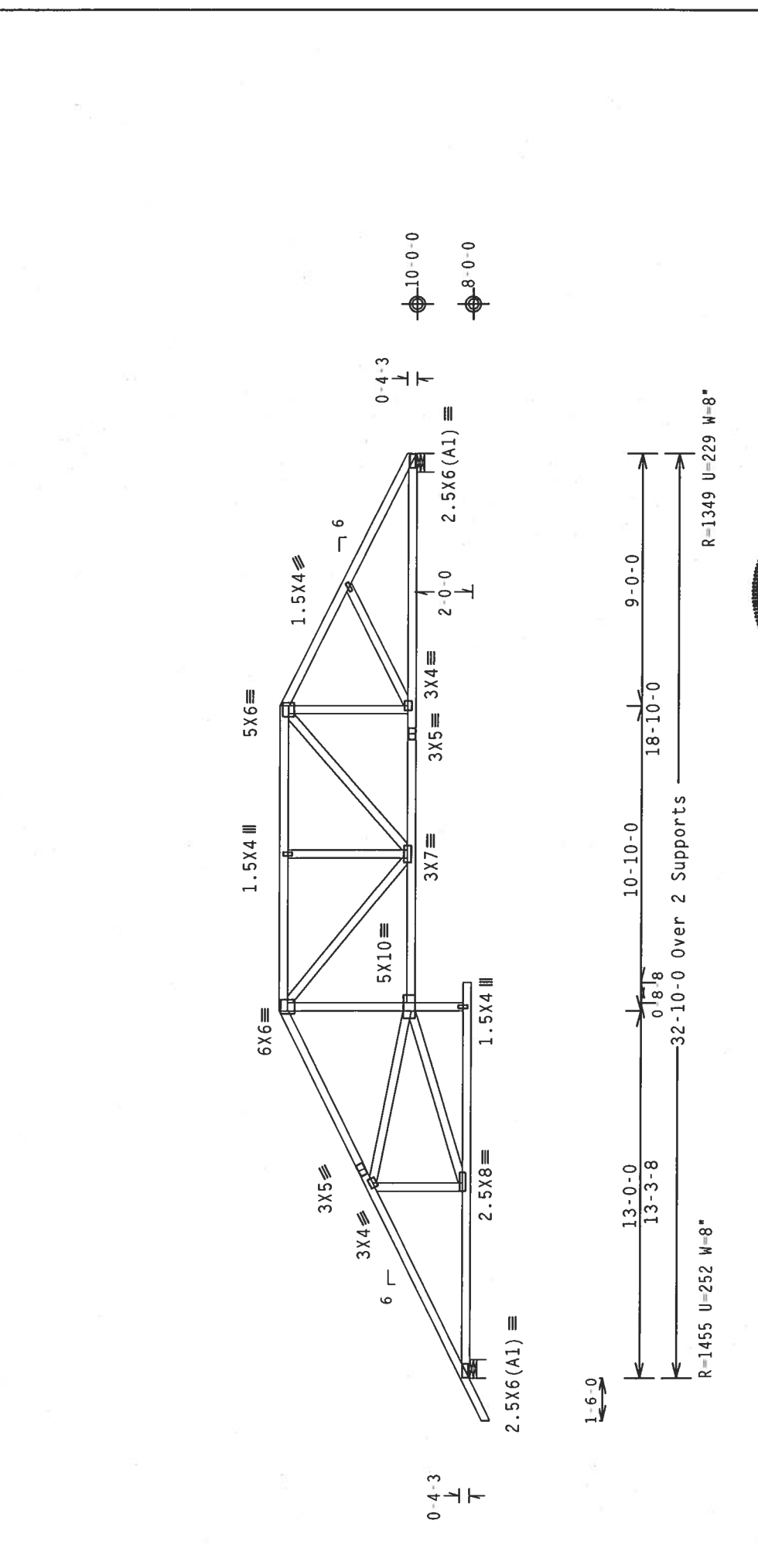


ALPINE
Engineered Products, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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

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



PLT TYP. Wave

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

Scale = .1875"/Ft.

REF R487-- 36341
DATE 01/25/06
DRW HCUSR487 06025057
HC-ENG JB/AF
SEQN- 20142
JREF- 1SU5487_Z03

ALPINE

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

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI, 10000 RIVER DR., SUITE 200, MADISON, WI 53719, AND WCA (WOOD TRUSS COUNCIL OF AMERICA) 6300 ENTERPRISE BL, 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 2018/16GA (M-H/S/X) ASTM A653 GRADE 40/60 (H. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A.2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SHOWS THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGNER. THE USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 1.

DIR. R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
JAN 25 2006

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"

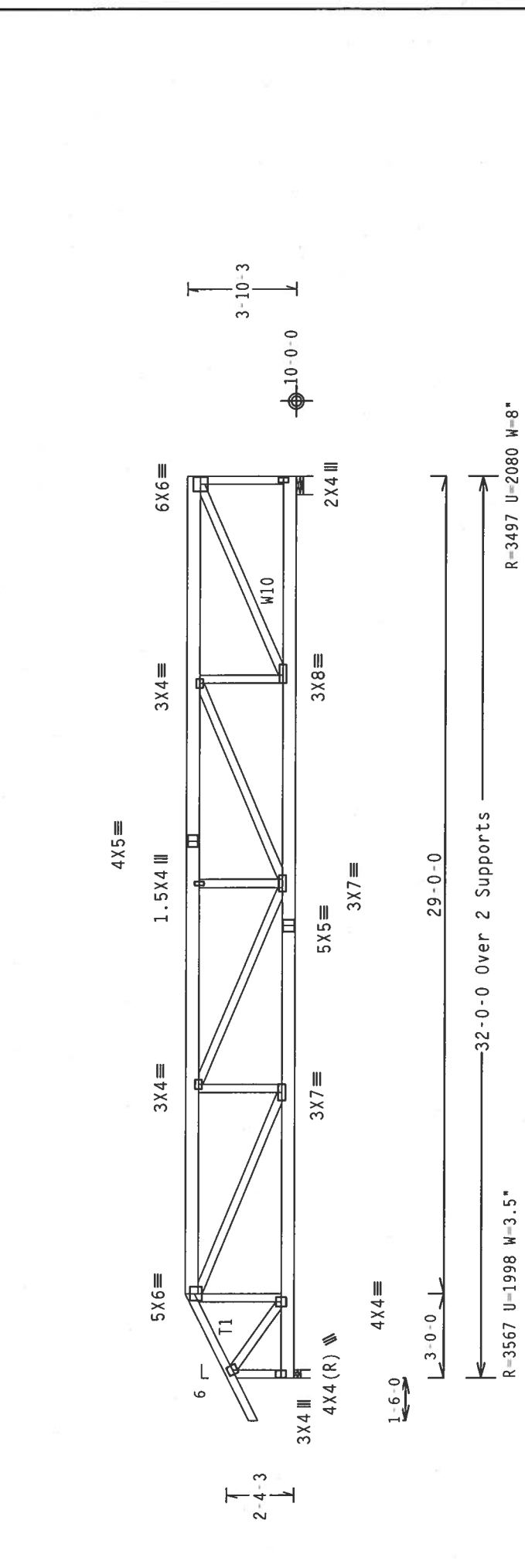
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d Common (0.148"x3", min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.
End verticals not exposed to wind pressure.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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 62 PLF at 1.50 to 62 PLF at 32.00
BC - From 4 PLF at 1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 32.00
TC - 273 LB Conc. Load at 3.06
TC - 187 LB Conc. Load at 5.06, 7.06, 9.06, 11.06, 13.06
15.06, 17.06, 19.06, 21.06, 23.06, 25.06, 27.06, 29.06, 31.06
BC - 284 LB Conc. Load at 3.06
BC - 82 LB Conc. Load at 5.06, 7.06, 9.06, 11.06, 13.06
15.06, 17.06, 19.06, 21.06, 23.06, 25.06, 27.06, 29.06, 31.06



PLT TYP. Wave

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

7.22.1

Scale = .1875"/Ft.

REF	R487--	36342
DATE	01/25/06	
DRW	HCUSR487	06025095
HC-ENG	JB/AF	
SEON-	140795	REV
DUR.FAC.	1.25	
SPACING	24.0"	

TY:1 FL/-/3/-/-/R/-

TC LL 20.0 PSF
TC DL 10.0 PSF
BC DL 10.0 PSF
BC LL 0.0 PSF
TOT.LD. 40.0 PSF
JREF- 1SU5487_Z03

ALPINE

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

THUR R. FISHER
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Jan 26 '06

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), 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.

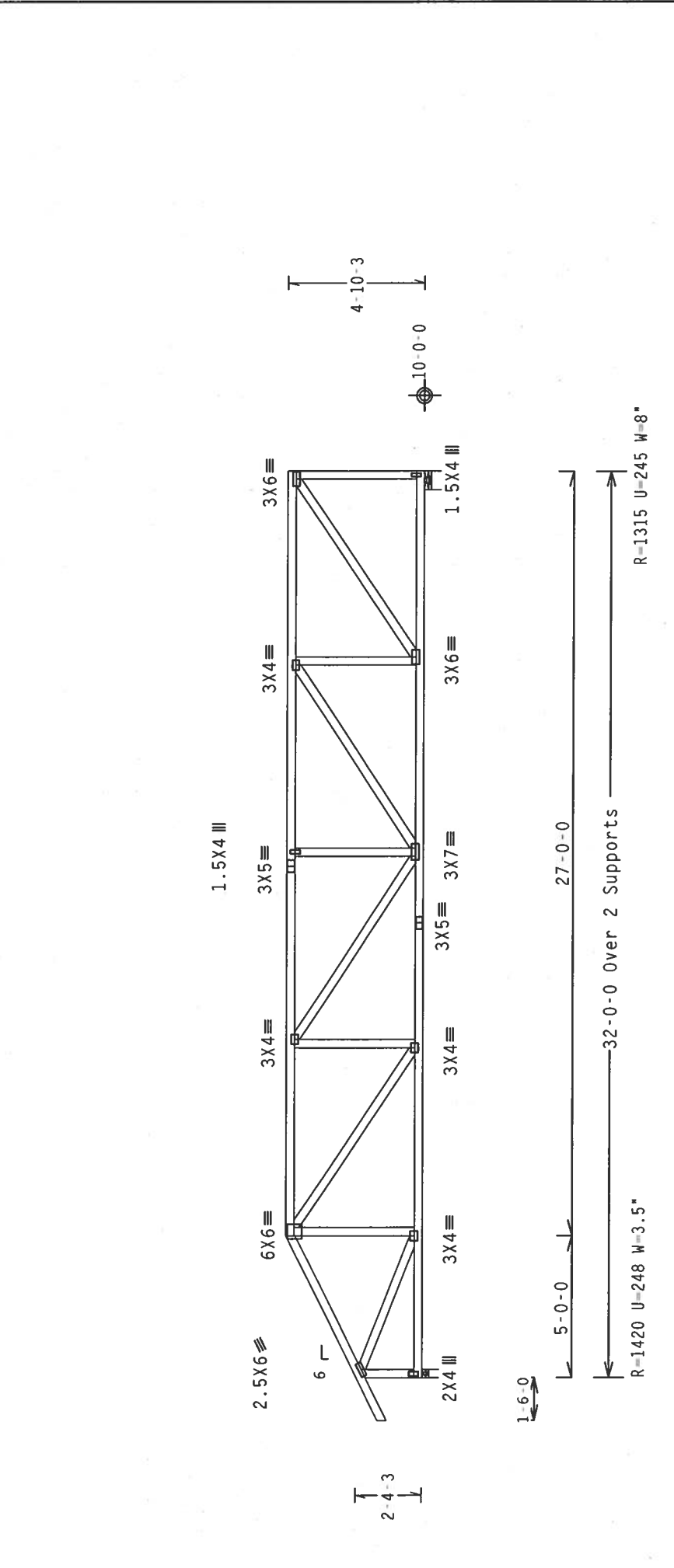
IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. APPLY CONNECTOR PLATES ARE MADE OF 2018/16GA (M/H/S/K) ASTM A653 GRADE 40/60 (M, K/H-SI) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY TPI. UNLESS OTHERWISE SPECIFIED, ALL TRUSS COMPONENTS SHALL BE DESIGNED TO MEET THE REQUIREMENTS OF THE DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

End verticals not exposed to wind pressure.

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind IC 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=1.25(1.25)/0(0)

Scale = .1875"/Ft.

TC LL	20.0 PSF	REF R487--	36343
TC DL	10.0 PSF	DATE	01/25/06
BC DL	10.0 PSF	DRW	HCUSR487 06025096
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEON-	20188
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SU5487_Z03

ALPINE
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 BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/18GGA (M/H/57X) ASH 4053 GRADE 40/60 (M, K/H-S) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY TPI. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 180A 2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENTS 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.

SEAL
R. FISHER
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
JUL 25 '06

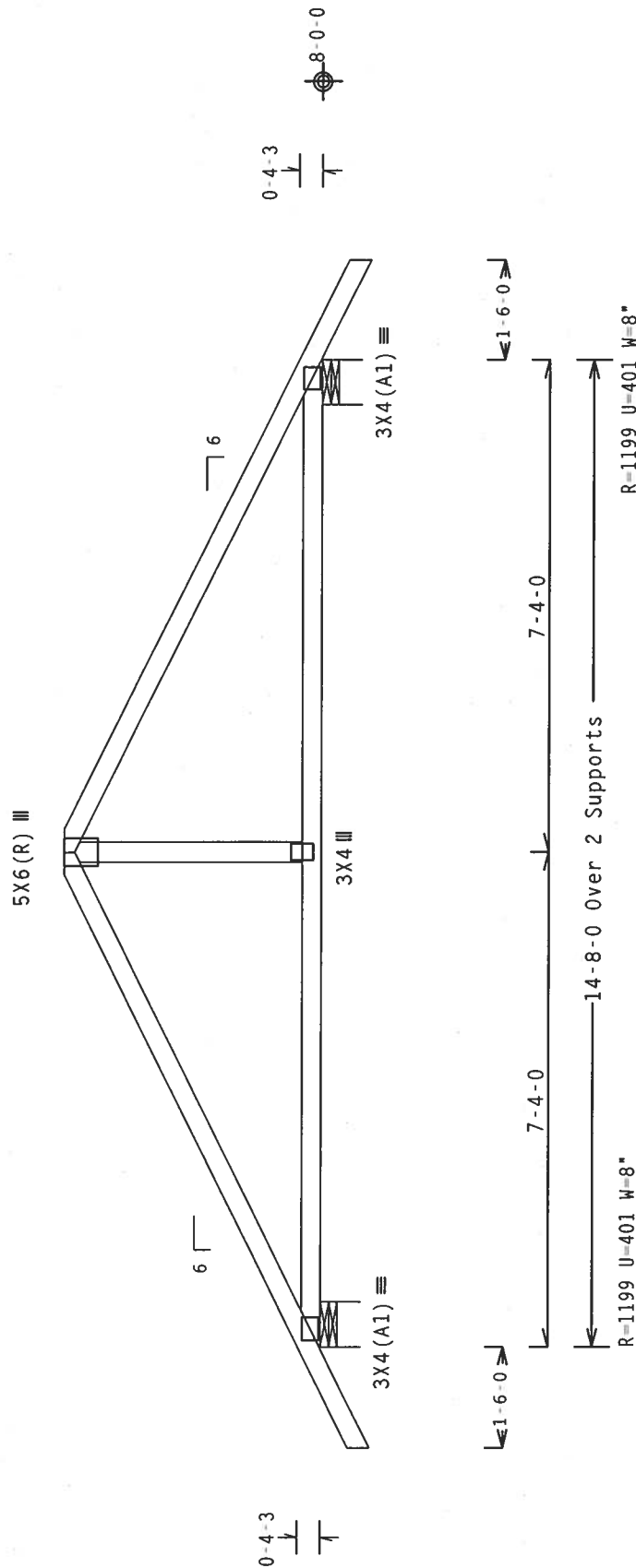
	#2	#2	#3
Top	chord	2x4	SP
Bot	chord	2x4	SP
	webs	2x4	SP

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

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

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

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=1.25(1.25)/

1118 SHEET: 1 FL/-/3/-/-/R/- Scale = .375"/Ft.

TC LL	20.0 PSF	REF R487 - - 36345
TC DL	10.0 PSF	DATE 01/25/06
BC DL	10.0 PSF	DRW HCUSR487 060205098
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 140809 REV
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SU5487_Z03

WARNING: THUSSES REQUIRE CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING TO PREVENT DAMAGE TO THE THUSSES. ALWAYS FOLLOW THE MANUFACTURER'S INSTRUCTIONS. ALWAYS REFER TO BCS 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TP1 TRUSS PLE, 303 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719, AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE DR., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

** IMPORTANT ** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, ALPINE ENGINEERS & ARCHITECTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THESE SPECIFICATIONS OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, WILL BE AT THE RISK OF THE USER. THE TRUSS SHALL BE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH THE PROVISIONS OF AISI C-308, PERMANENT STEEL JOIST INSTITUTION, 1989 EDITION, ALPINE ENGINEERS & ARCHITECTS, INC. NATIONAL DESIGN SPEC. BY AISC) AND TYPICAL CONNECTIONS, PART 1, 1989 EDITION, ALPINE ENGINEERS & ARCHITECTS, INC. ALL PLATES TO EACH FACE OF FOLLOWS BY ONE UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160A Z.2. ANY INSPECTION OF PLATES THROWN 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 MANUFACTURE OF THIS COMMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX 11 SEC.2.

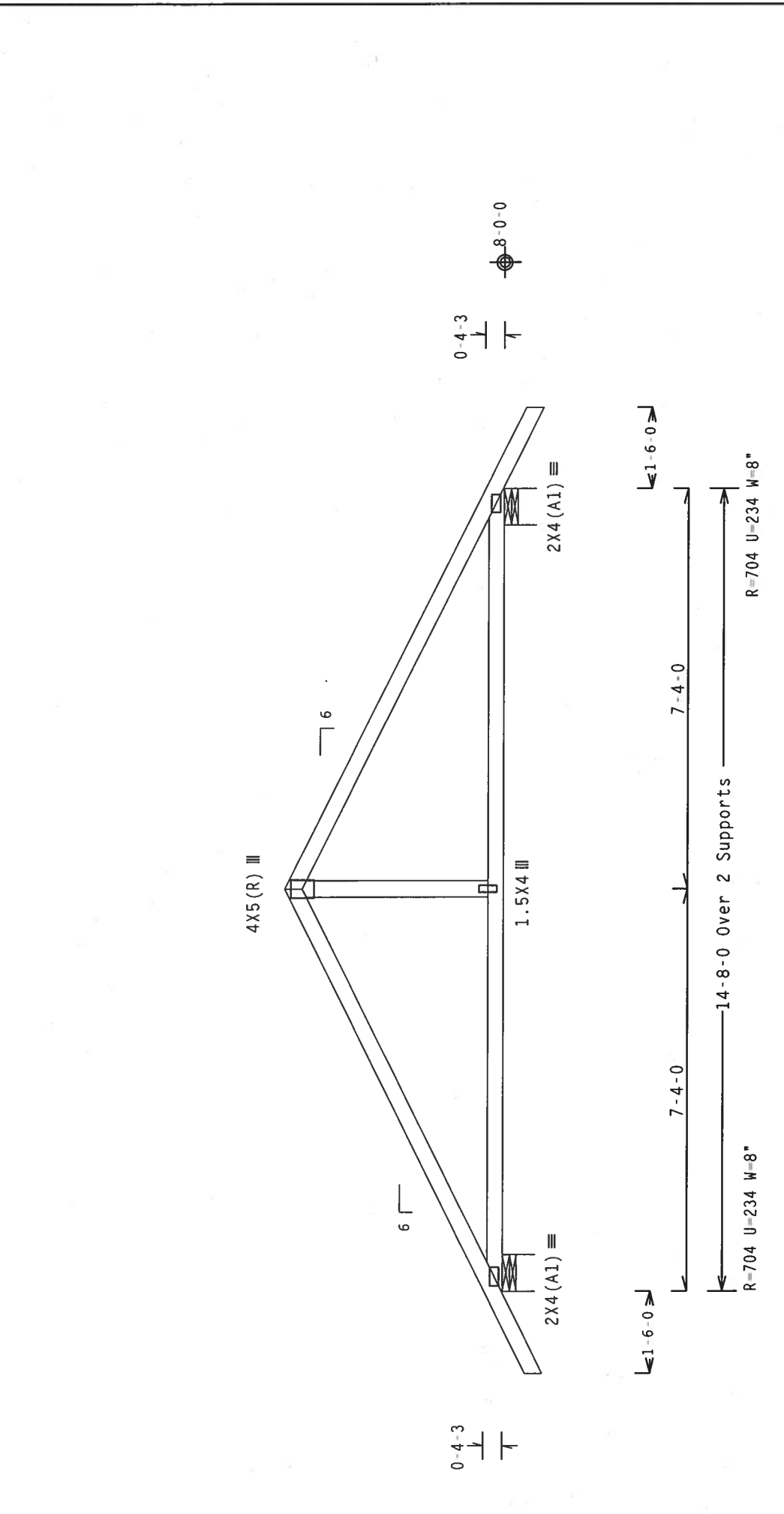


Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # S67

FL Certificate of Authorization # S67
Haines City, FL 33844

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.



PLT TYP. Wave

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

Scale = .375" / Ft.

TC LL	20.0 PSF	FL / - / 3 / - / - / R / -	REF R487 - - 36346
TC DL	10.0 PSF		DATE 01/25/06
BC DL	10.0 PSF		DRW HCUSR487 06025058
BC LL	0.0 PSF		HC-ENG JB/AF *
TOT.LD.	40.0 PSF		SEQN- 20068
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1SU5487_Z03

ALPINE

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

ATTORNEY R. FISHER
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
JAN 25 '06

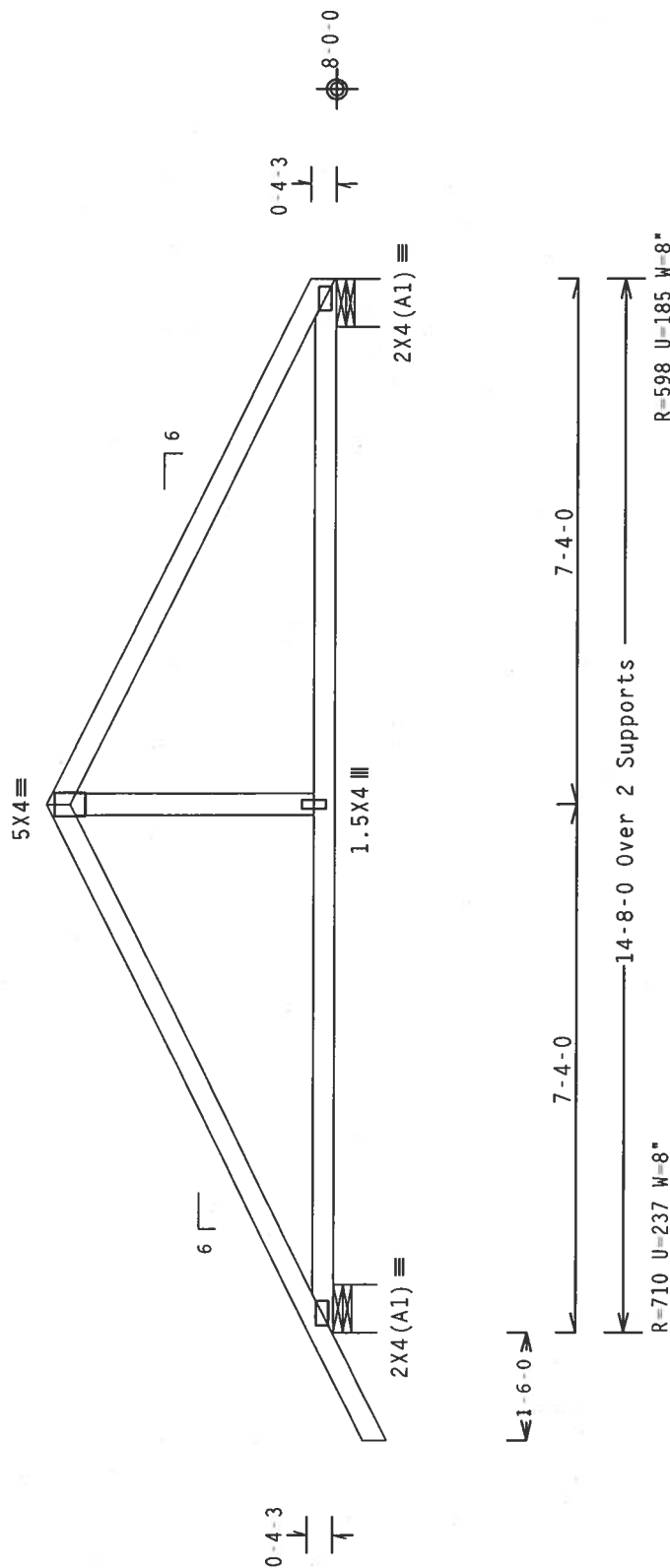
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719, AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH 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/A) ASTM A653 GRADE 40/60 (U. K/H-S) GALV. STEEL. APPLY PLATES EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPANY'S 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	

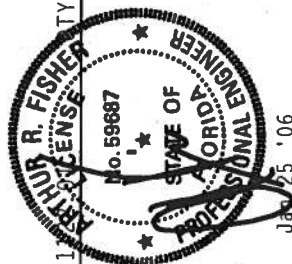
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

Design Crit: TPI-2002(STD)/FBC

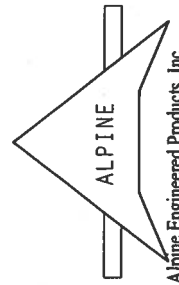
Scale = .375"/Ft.

TC LL	20.0	PSF	REF	R487 - -	36347
TC DL	10.0	PSF	DATE	01/25/06	
BC DL	10.0	PSF	DRW	HCUSR487	06025059
BC LL	0.0	PSF	HC-ENG	JB/AF	*
TOT.LD.	40.0	PSF	SEQN-	20072	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1SU5487 Z03	



WARNING THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO CSI (COLD FORMED STEEL) INFORMATION, PUBLISHED BY THE CRUSS PAPER INSTITUTE, 983 DOWNSBORO RD., SUITE 100, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE OPERATIONS. THESE CONDITIONS, WHICH ARE INDICATED BY THE SHADING, ARE TO BE MAINTAINED THROUGHOUT THE ENTIRE LIFE OF THE CHORD. THE 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 SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC.) AND A BRACING OF TRUSSES. THIS DESIGN COMPLIES WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC.) AND A BRACING OF TRUSSES. CONNECTOR PLATES ARE MADE OF 20X18/16GA (W/4X1/2") ASTM A453 GRADE 40/50 (W/ 4/16 S) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX 4 OF TP11-2002 SEC.3. 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 BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEC 1/TP1 1 SEC. 2.

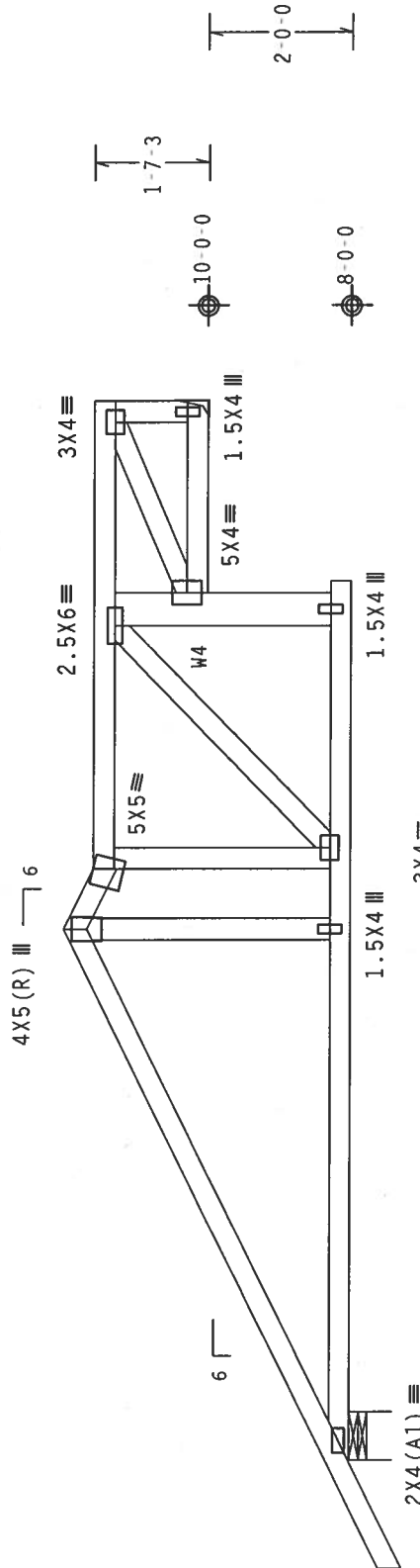


Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

FL Certificate of Authorization # 567

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 : W4 2x6 SP #2:
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave
R=716 U=224 W=8"
14-8-0 Over 2 Supports
R-592 U=207 H=Simpson LUS24
w/ (2) 10d Common, 0.148"x3.0" nails in Truss
(4) 10d Common, 0.148"x3.0" nails in Girder
is (1)2x4 min. So.Pine
Scale = .375"/Ft.

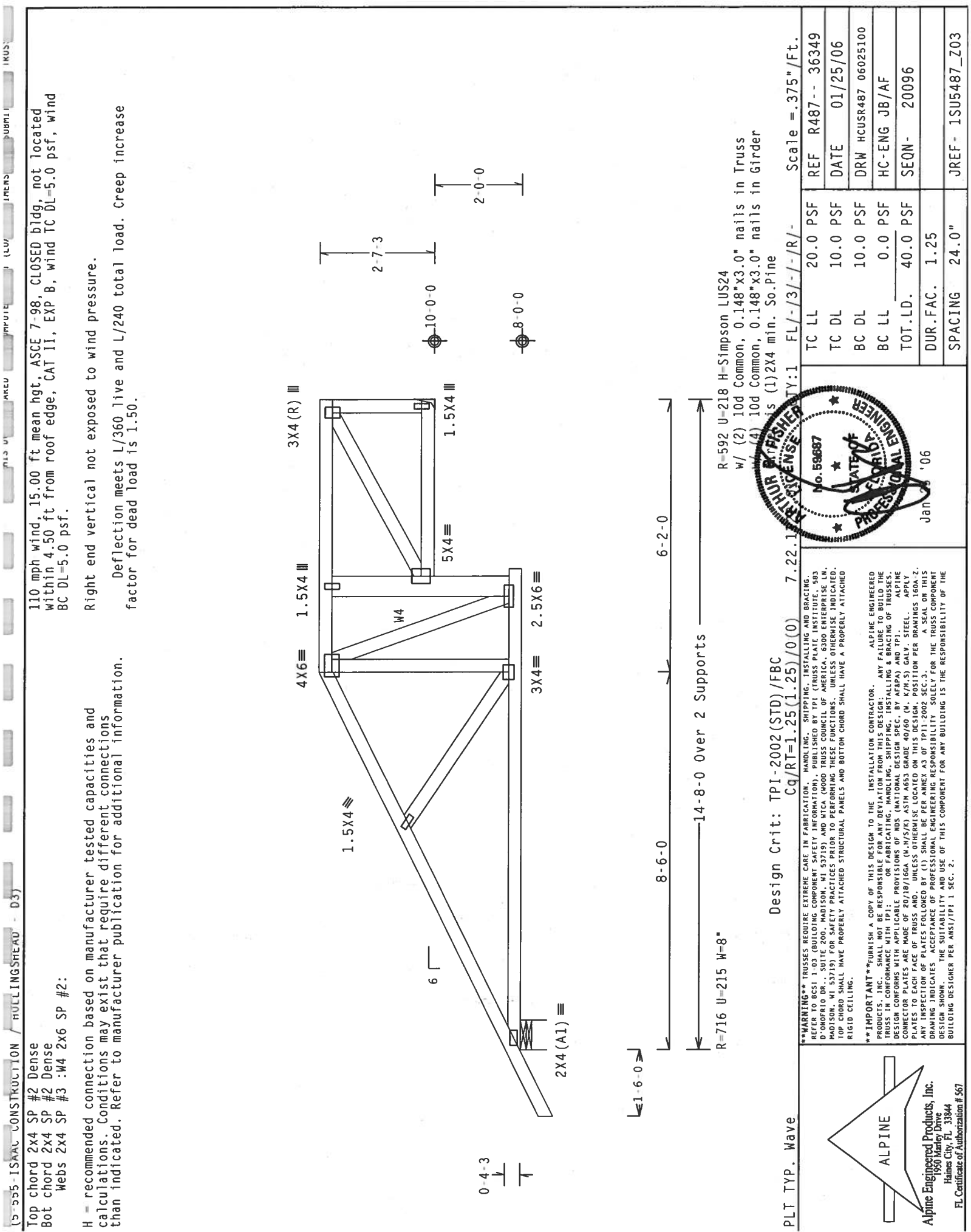
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.25(1.25)/0(0) 7.22.1

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

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 L-03 (BUILDING COMPONENT SAFETY INFORMATION), BUILDING CODES, AND THE FOLLOWING: D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA 6300 ENTERPRISE BLVD., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (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. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

TC LL	20.0 PSF	REF	R487--	36348
TC DL	10.0 PSF	DATE	01/25/06	
BC DL	10.0 PSF	DRW	HCUSR487	06025099
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	20086	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SU5487_Z03	



19-555-ISAAC CONSTRUCTION / HULLINGSHEAD - D37

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 : W4 2x6 SP #2:

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.

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

R-592 U-218 H-Simpson LUS24
w/ (2) 10d Common, 0.148"x3.0" nails in Truss
(4) 10d Common, 0.148"x3.0" nails in Girder
is (1)2X4 min. So.Pine

PLT TYP. Wave

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

Scale = .375"/Ft.

REF R487 -- 36349
DATE 01/25/06
DRW HCUSR487 06025100
HC-ENG JB/AF
SEQN- 20096

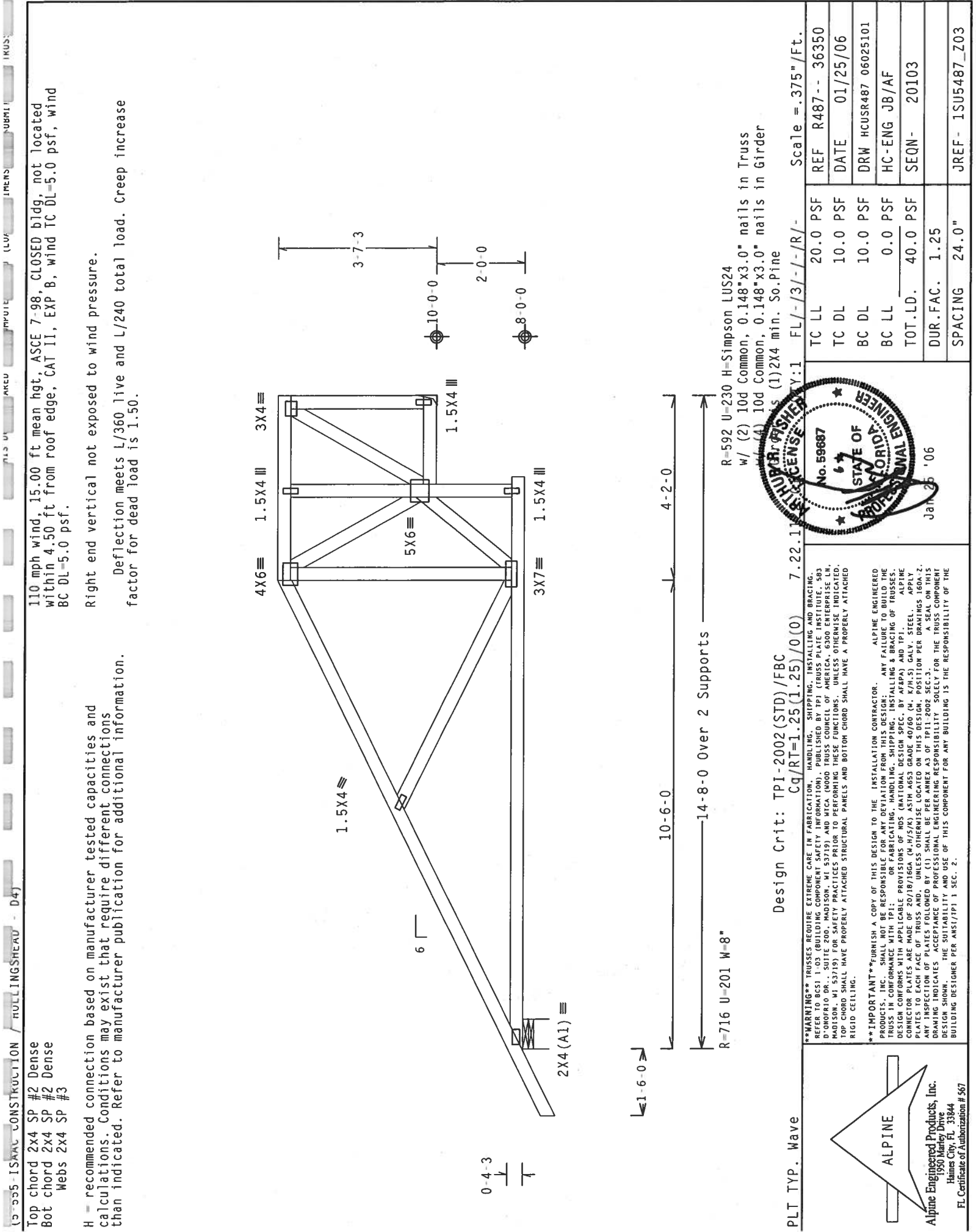
JREF- 1SU5487_Z03

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

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Jan '06



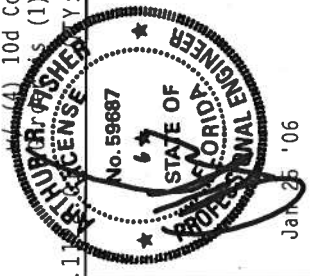
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.

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.

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

R-592 U-230 H-Simpson LUS24
w/ (2) 10d Common, 0.148"x3.0" nails in Truss
(4) 10d Common, 0.148"x3.0" nails in Girder
is (1)2X4 min. So.Pine

TC LL	20.0 PSF	REF	R487 --	36350
TC DL	10.0 PSF	DATE	01/25/06	
BC DL	10.0 PSF	DRW	HCUSR487	06025101
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	20103	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SU5487_Z03	



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Alpine Engineered Products, Inc.
1950 Marley Drive
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PLT TYP. Wave

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

14-8-0 Over 2 Supports

R=716 U-201 W=8"

Scale = .375"/Ft.

Top chord 2x4 SP #2 Dense :T2 2x6 SP #1 Dense:
Bot chord 2x8 SP SS
Webs 2x4 SP #3

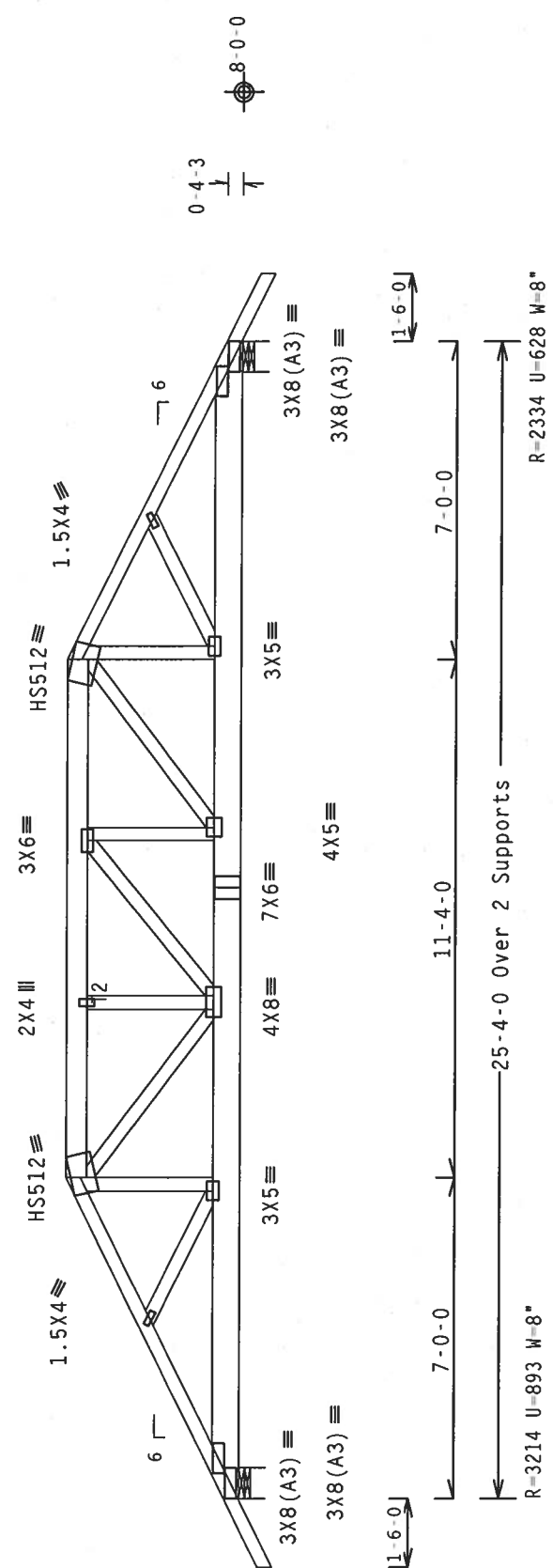
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

SPECIAL LOADS

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

TC	From	62 PLF at -1.50 to	62 PLF at 26.83
BC	From	4 PLF at -1.50 to	4 PLF at 0.00
BC	From	20 PLF at 0.00 to	20 PLF at 25.33
BC	From	4 PLF at 25.33 to	4 PLF at 26.83
TC	187 LB Conc.	Load at 7.06,	9.06
TC	1174 LB Conc.	Load at 9.94	
BC	456 LB Conc.	Load at 7.00	
BC	82 LB Conc.	Load at 9.06	
BC	1174 LB Conc.	Load at 9.94	



PLT TYP. 20 Gauge HS, Wave

Design Crit: TPI-2002(STD)/FBC

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

7.22.11

Scale = .25" / Ft.

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ALPINE

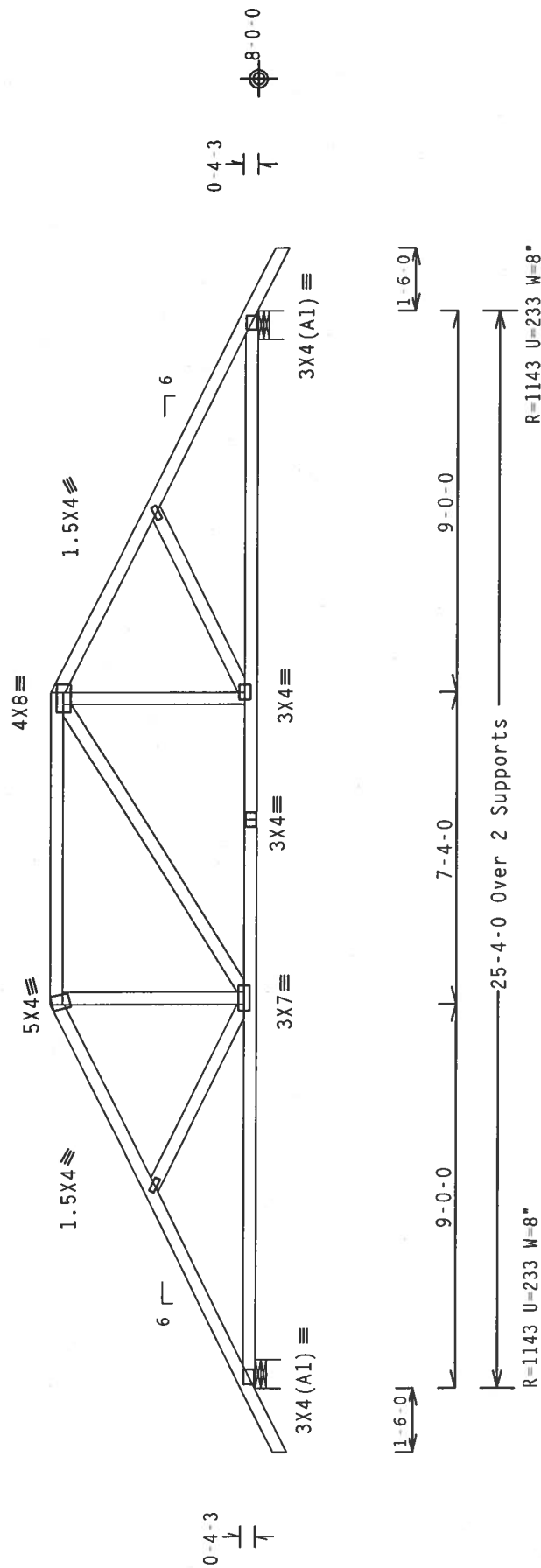
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

TC LL	20.0 PSF	FL / - / 3 / - / - / R / -	REF	R487 --	36351
TC DL	10.0 PSF		DATE	01/25/06	
BC DL	10.0 PSF		DRW	HCUSR487	06025102
BC LL	0.0 PSF		HC-ENG	JB/AF	
TOT.LD.	40.0 PSF		SEON	20232	
DUR.FAC.	1.25				
SPACING	24.0"		JREF	1SU5487_Z03	

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

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

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=1.25(1.25)/

Scale = .25"/Ft.

TY:1 FL/-/3/-/-/R/-/

1997

7.2

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

Design 6110

PLT TYP. Wave

***WARNING:** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PALLET, 18515 W. D'AMORIO DR., SUITE 200, MADISON, WI 53719, AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE BLVD., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

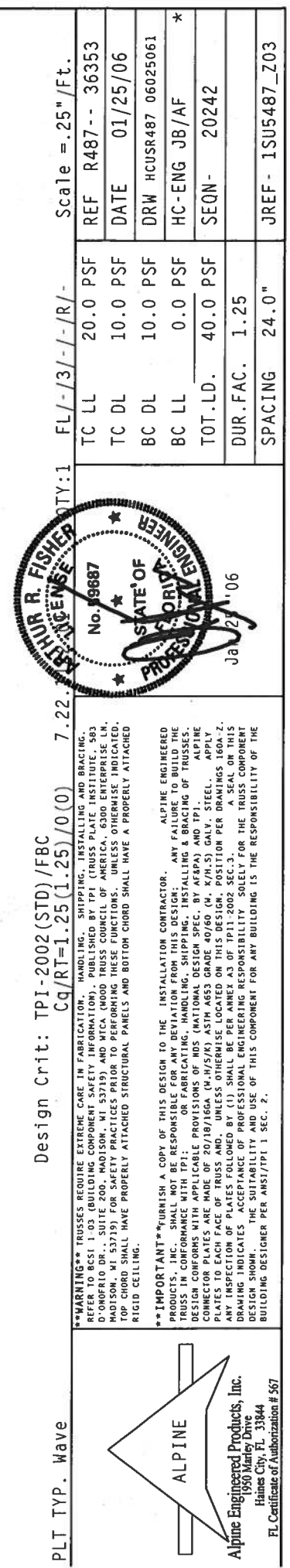
***IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALDINE ENGINEERS
STRUCTURES, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE
TRUSS IN CONFORMANCE WITH TP1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.
THIS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND THE ALPINE
TRUSS MANUFACTURING COMPANY'S (ALPINE TRUSS) TRUSS MANUFACTURING SPECIFICATION. THE TRUSS SHALL BE
PLATES TO EACH FACE OF TRUSSES AND UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DIMENSIONS 160A.2.
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A.3 OF TP1.1 2002 SEC.3. A SEAL ON THIS
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT
DESIGNED BY ALDINE ENGINEERS. THE REMAINDER OF THIS COMMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE
BUILDING DESIGNER PER ANNEX (TP1.1) SEC.2.



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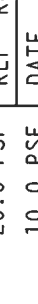
REF- 1SU5487_Z03

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





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 1950 Marley Drive
 Haines City, FL 33844

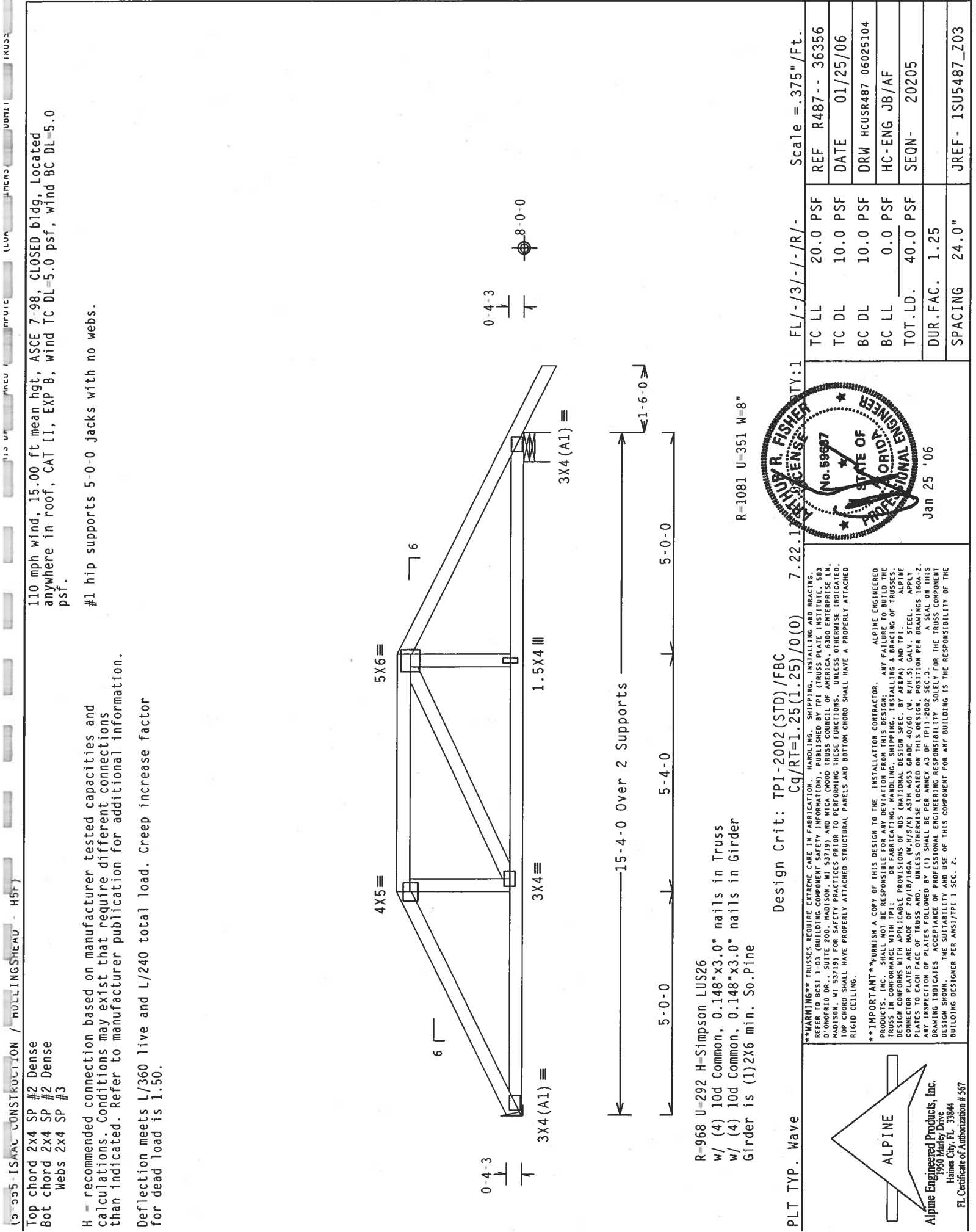
FL Certificate of Authorization # 567

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STATE OF 

TC LL	20.0	PSF	REF	R487 --	36355
TC DL	10.0	PSF	DATE	01/25/06	
BC DL	10.0	PSF	DRW	HCUSR487	06025103
BC LL	0.0	PSF	HC-ENG	JB/AF	
TOT.LD.	40.0	PSF	SEQN-	12999	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1SU5487_Z03	



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

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

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-968 U=292 H-Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=1081 U=351 W=8"

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

PLT TYP. Wave	TY:1	FL/-/3/-/-/R/-	Scale = .375"/Ft.
	TC LL	20.0 PSF	REF R487 -- 36356
	TC DL	10.0 PSF	DATE 01/25/06
	BC DL	10.0 PSF	DRW HCUSR487 06025104
	BC LL	0.0 PSF	HC-ENG JB/AF
	TOT.LD.	40.0 PSF	SEQN- 20205
	DUR.FAC.	1.25	
	SPACING	24.0"	JREF- 1SU5487_Z03

Alpine Engineered Products, Inc.
1950 Marley Drive
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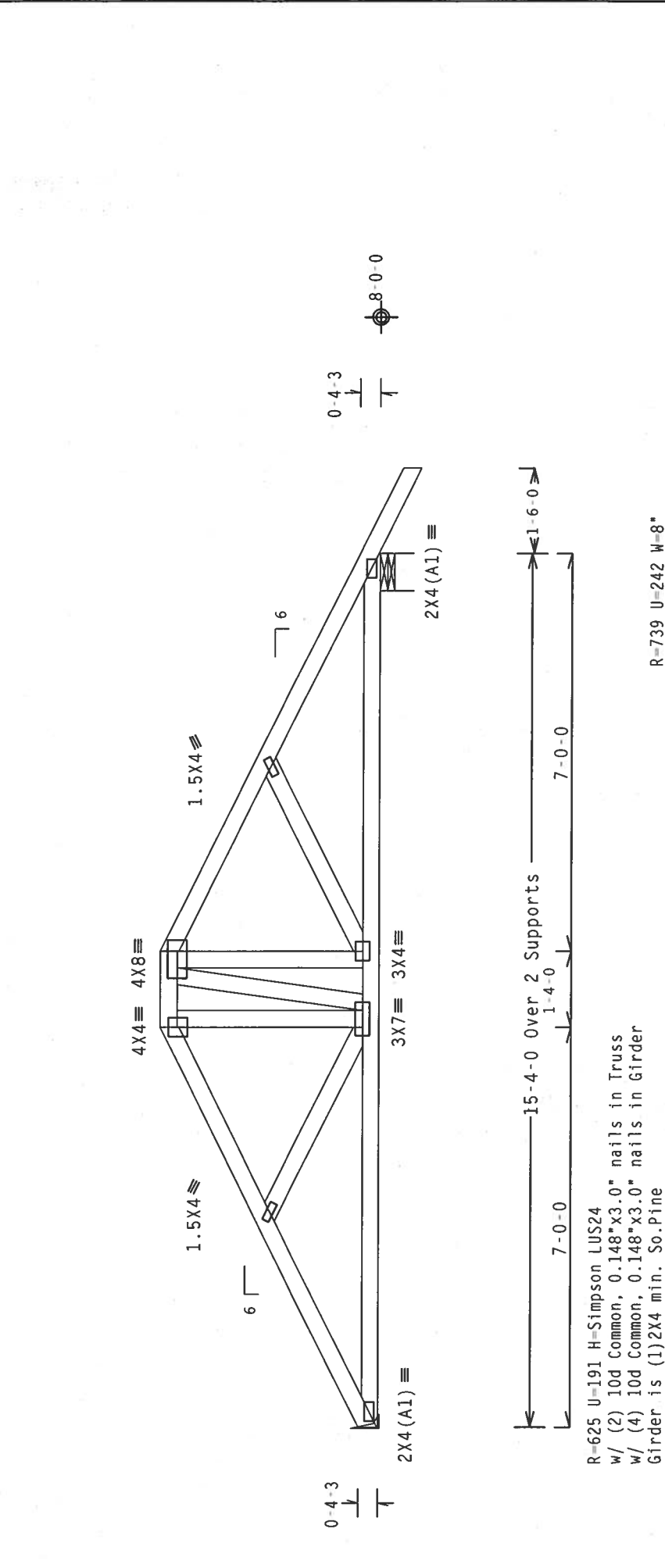
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. ALPINE APPLIES TO EACH FACE OF TRUSS AND GIRDER. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANEX A3 OF TPI 2002 SEC. 3. ANY INSPECTION OF TRUSS OR GIRDER SHALL BE PER ANEX A3 OF TPI 2002 SEC. 3. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

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

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

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



PLT TYP. Wave

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

7.22.1

Scale = .375"/Ft.

TC LL	20.0 PSF	REF R487--	36357
TC DL	10.0 PSF	DATE	01/25/06
BC DL	10.0 PSF	DRW	HCUSR487 06025105
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEON-	20212
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SU5487_Z03

R-739 U=242 W=8"

7.22.1

ALPINE

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1950 Marley Drive
Haines City, FL 33844
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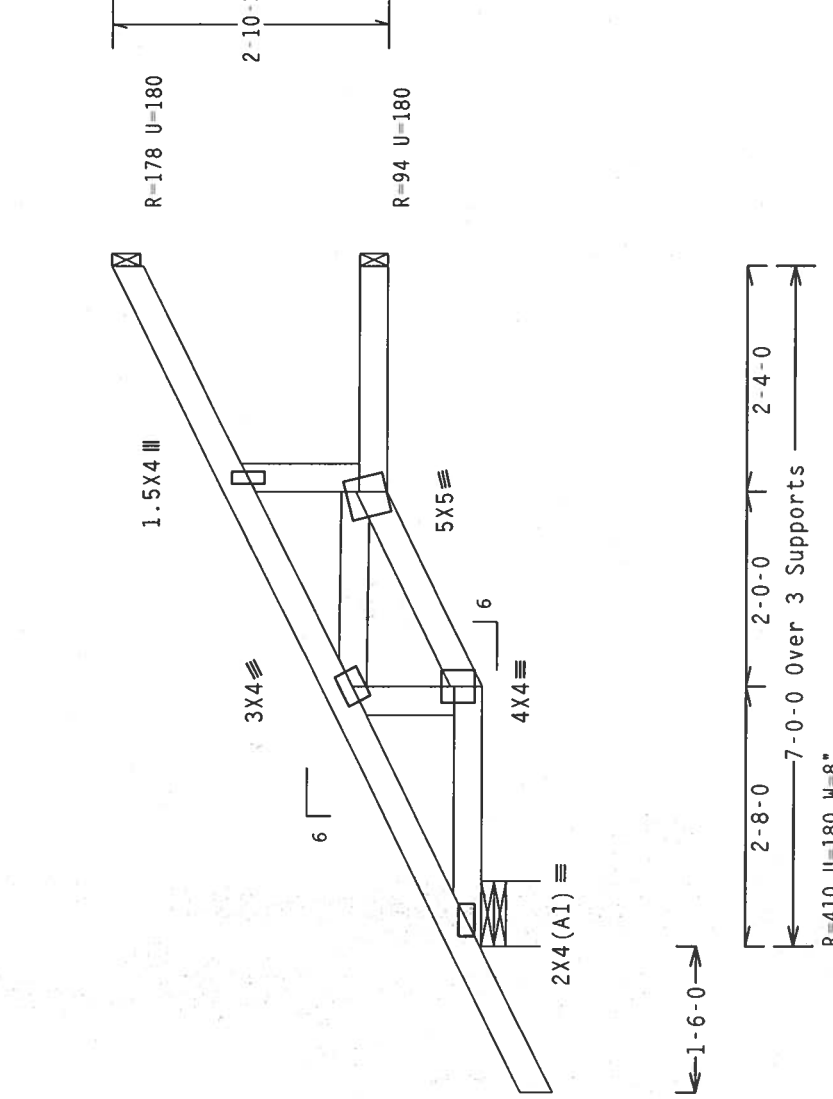
SEAL OF
R. FISHER
No. 59887
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
JAN 25 06

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

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

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

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.



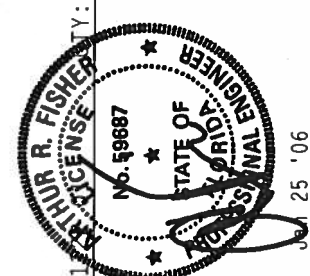
Alpine Engineering Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

PLT TYP. Wave

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

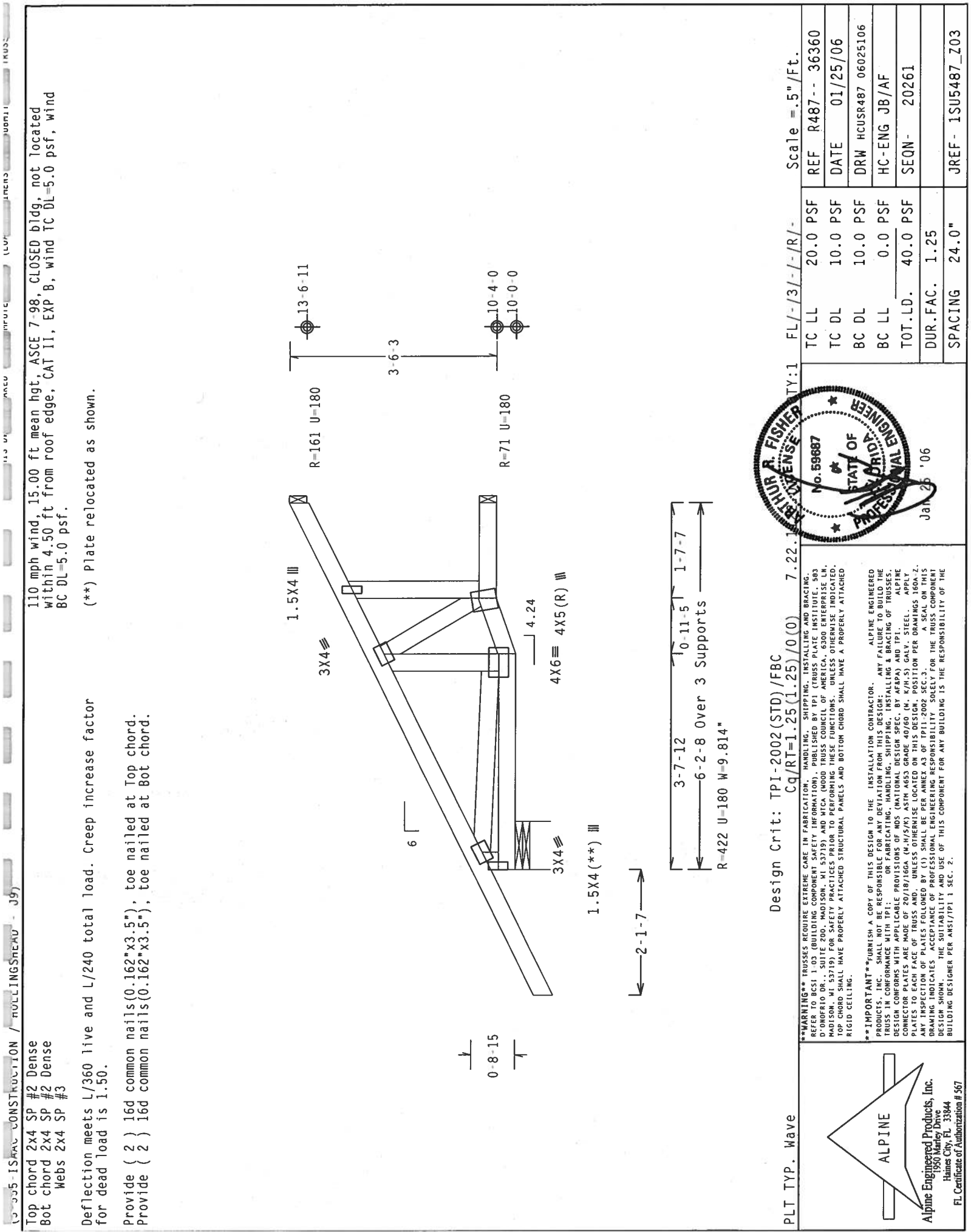
Scale = .5" / Ft.

TC LL	20.0 PSF	REF R487 -- 36359
TC DL	10.0 PSF	DATE 01/25/06
BC DL	10.0 PSF	DRW HCUSR487 06025064
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEON- 12700
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SU5487_Z03



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

****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 ANY INSPECTION OF TRUSSES LOCATED ON THIS DESIGN. POSITION PER DRAWING 160A.2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

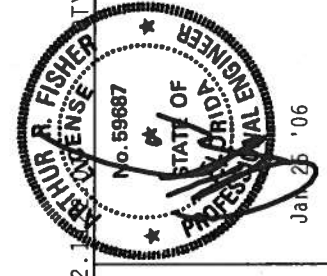


110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(**) Plate relocated as shown.

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

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



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

TY:1	FL/-/3/-/R/-	Scale =.5"/Ft.
TC LL	20.0 PSF	REF R487 -- 36360
TC DL	10.0 PSF	DATE 01/25/06
BC DL	10.0 PSF	DRW HCUSR487 06025106
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 20261
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SU5487_Z03

****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, 563 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND NTA (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 2018/160A (M-H/SX) ASTM A653 GRADE 40/60 (IN. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS ORIGINALLY DESIGNED. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS ORIGINALLY 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

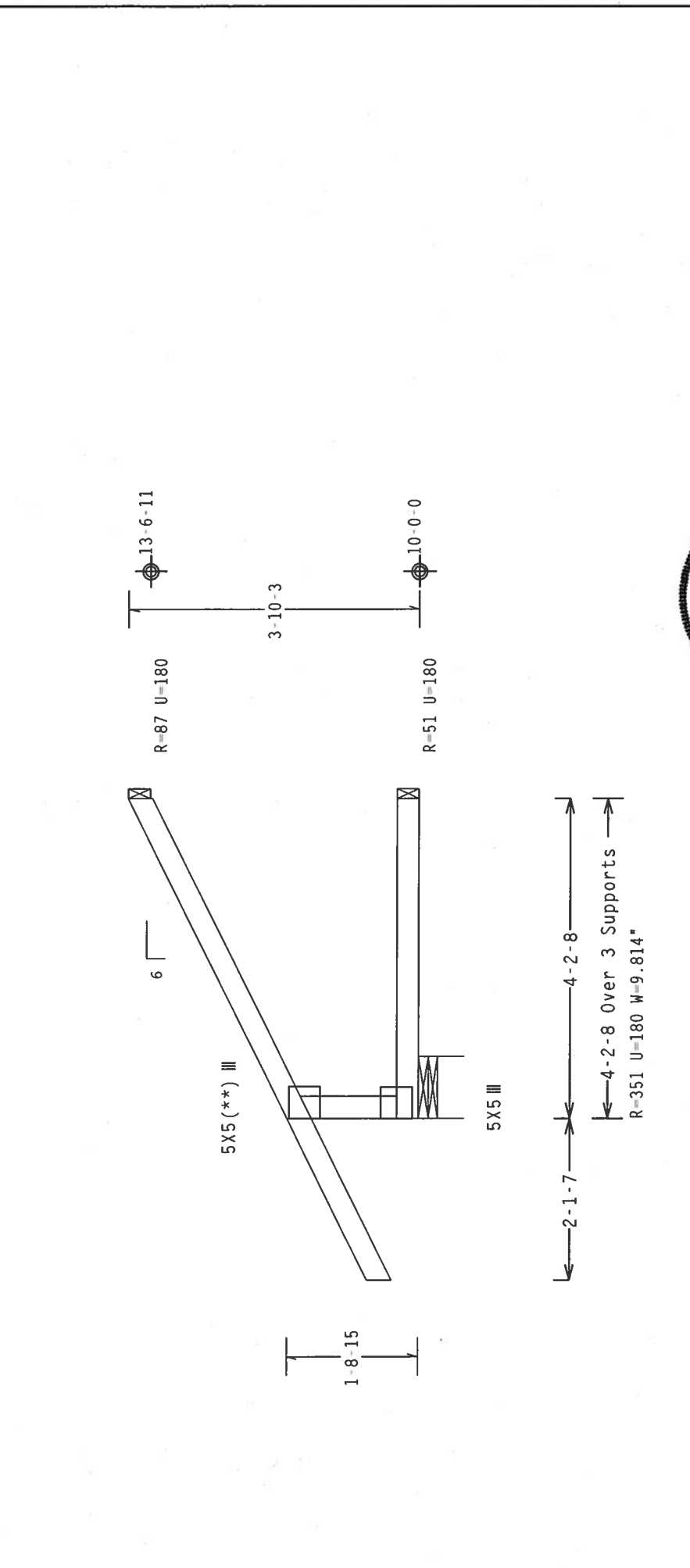
Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #2

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

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.

Calculated horizontal deflection is 0.26" due to live load and 0.09" due to dead load.

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=1.25(1.25)/0(0) 7.22.1

Scale = .5" / Ft.

FL / - / 3 / - / R / -	TY: 1	REF	DATE	REV
TC LL	20.0 PSF	R487 - -	01/25/06	
TC DL	10.0 PSF			
BC DL	10.0 PSF			
BC LL	0.0 PSF			
TOT.LD.	40.0 PSF			
DUR.FAC.	1.25			
SPACING	24.0"			

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

ALPINE ENGINEERED PRODUCTS, INC.
No. 59687
STATE OF FLORIDA
Professional Engineer
Jan 25, 2006

THUR R. FISHER
No. 59687
STATE OF FLORIDA
Professional Engineer
Jan 25, 2006

ALPINE ENGINEERED PRODUCTS, INC.
No. 59687
STATE OF FLORIDA
Professional Engineer
Jan 25, 2006

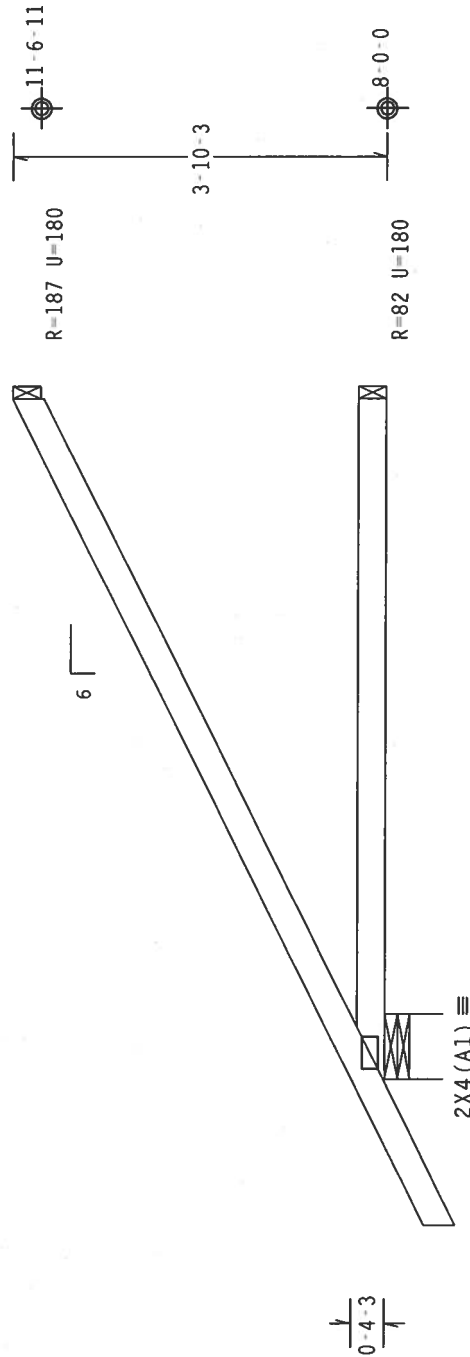
ALPINE ENGINEERED PRODUCTS, INC.
No. 59687
STATE OF FLORIDA
Professional Engineer
Jan 25, 2006

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

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



1-6-0

7-0-0 Over 3 Supports

R=408 U=180 W=8"

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

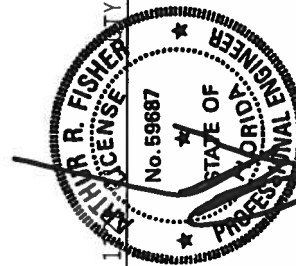
Scale = .5" / Ft.

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

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

****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 THESE TRUSSES IN COMPLIANCE WITH TPI'S OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. CONNECTOR PLATES ARE MADE OF GALVALUME STEEL CABLE PROVISIONS OF NDS (NATIONAL DESIGN SPECIFICATION) BY AF&PA AND TPI. ALPINE CONSTRUCTION INFORMATION SHEET NO. 207819-016 (NATHAN ASSD GRADE 40Y60 (#. 6X1/8)) GALV. STEEL APPLY PLATES TO EACH FACE OF TRUSS UNLESS OTHERWISE INDICATED ON DESIGN. POSITION PER MOMENTS 160A-Z. IF AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE REQUIRED AS OF YEAR 2002.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENTS SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Jan 25 '06

ALPINE

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

FL Certificate of Authorization # S67
Haines City, FL 33844

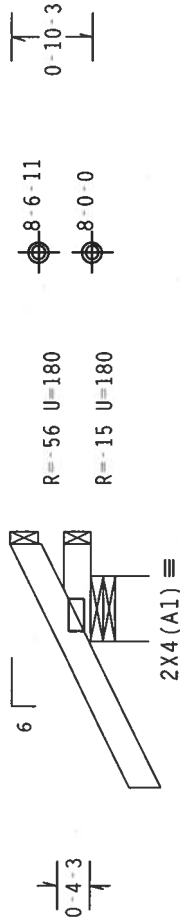
REF- 1SU5487 Z03

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

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

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

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

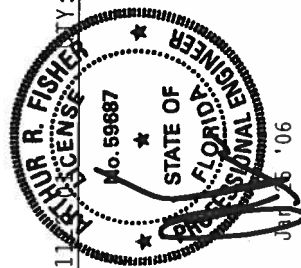


1-6-0
1-0-0 Over 3 Supports
R=254 U=180 W=8"

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

Scale = .5"/Ft.

TC LL	20.0 PSF	REF R487-- 36363
TC DL	10.0 PSF	DATE 01/25/06
BC DL	10.0 PSF	DRW HCUSR487 06025109
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 20028
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SU5487_Z03



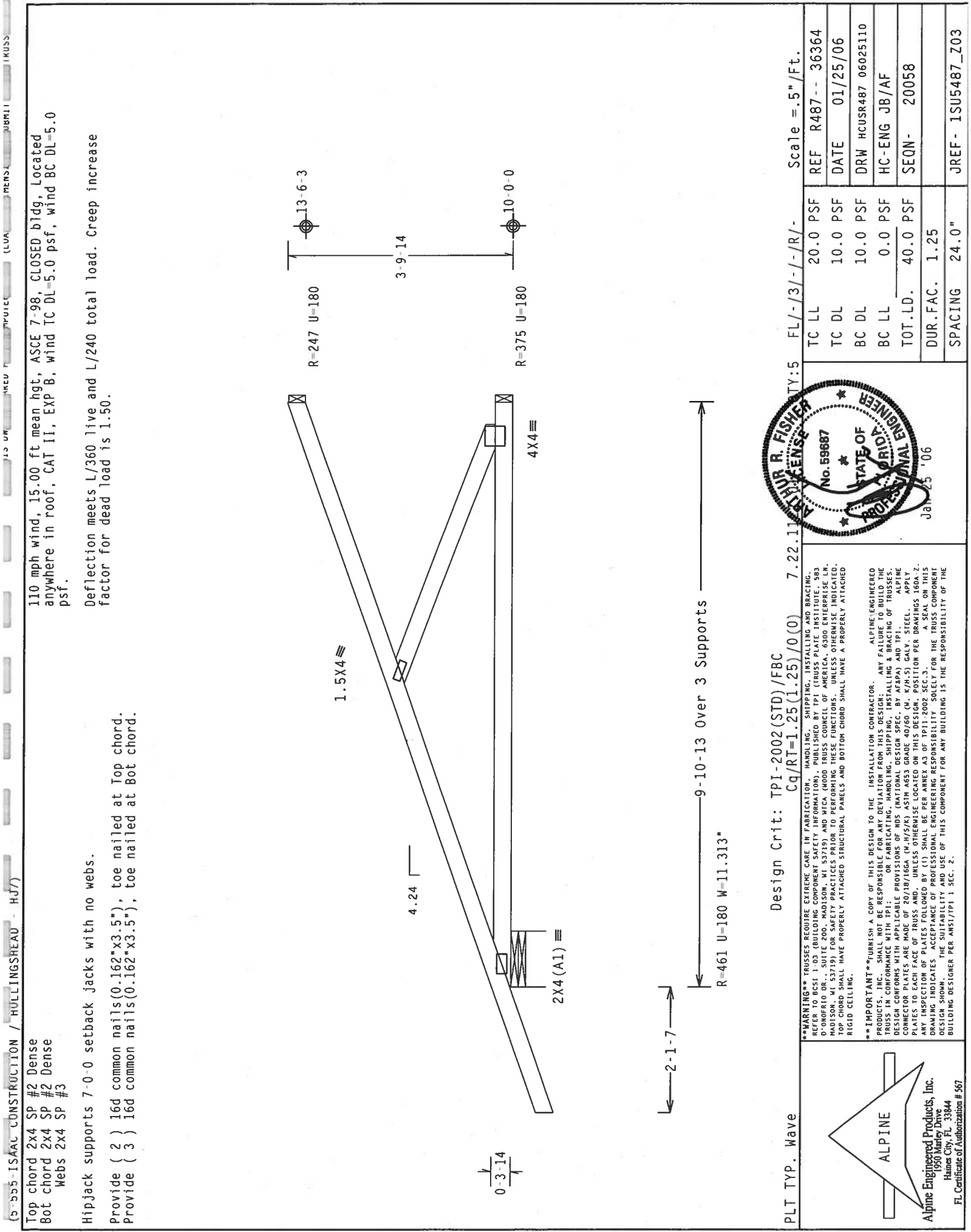
WARNING: TRUSSES REQUIRE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE NATIONAL BUILDING TRUSS INSTITUTE, 383 S. D'AMORIO DR., SUITE 200, MADISON, WI 53719, AND NCTA (NATIONAL TRUSS COUNCIL OF AMERICA), 6100 ENTERPRISE DR., MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

***IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE ALPINE ENGINEERING COMPANY, 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 TRUSS SYSTEMS. THE TRUSS SHALL BE FABRICATED TO THE FOLLOWING SPECIFICATIONS: ALL TRUSS MEMBERS SHALL BE 160A-2 PLATES TO EACH FACE OF TROUSSED AND UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWING. 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY T1 SHALL BE PER ANNEX A.3 OF TPI: 2009 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 COMMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX TPI: 1 SEC.2.



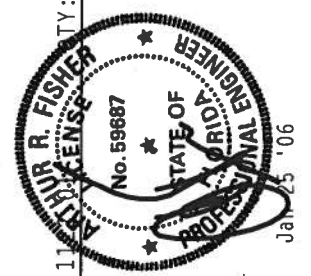
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

FL Certificate of Authorization # 567



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

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



PLT TYP. Wave		TY:5	FL/-/3/-/R/-	Scale = .5" /Ft.
Design Crit: TPI-2002(STD)/FBC		TC LL	20.0 PSF	REF R487 -- 36364
Cq/RT=1.25(1.25)/0(0)		TC DL	10.0 PSF	DATE 01/25/06
		BC DL	10.0 PSF	DRW HCUSR487 06025110
		BC LL	0.0 PSF	HC-ENG JB/AF
		TOT.LD.	40.0 PSF	SEQN- 20058
		DUR.FAC.	1.25	
		SPACING	24.0"	JREF- 1SU5487_Z03

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE BUILDING RESEARCH CORPORATION, 400 O'ROURIO DR., SUITE 200, MADISON, WI 53719, AND MECA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE BL, 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 TPI1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI1. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (M-H/S/K) ASTM A653 GRADE 40/60 (M, V/A-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING IS REQUIRED TO VALIDATE THE ACCURACY OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGNER. THE USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

FL Certificate of Authorization # 567

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

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

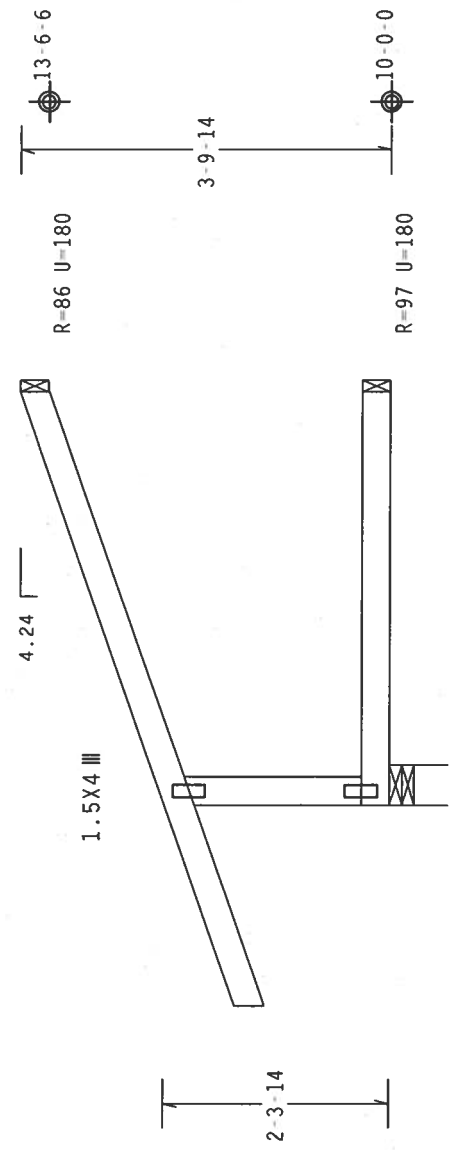
Deflection meets L/360 live and L/240 total load. Creep increase factor
for dead load is 1.50.

SPECIAL LOADS

-----LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 61 PLF at -2.06 to 61 PLF at 4.24
BC - From 4 PLF at -2.06 to 20 PLF at 4.24
TC - 141 LB Conc. Load at 1.48
TC - 127 LB Conc. Load at 1.48
BC - 138 LB Conc. Load at 1.48

Calculated horizontal deflection is 0.13" due to live load and 0.14" due to dead load.

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



←2-0-11→
←4-2-15 Over 3 Supports→
R=421 U=327 W=4.95"

Design Crit: TPI-2002(STD)/FBC

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

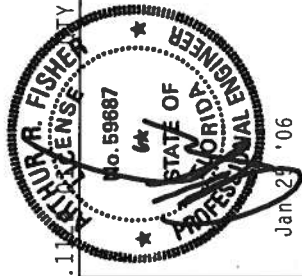
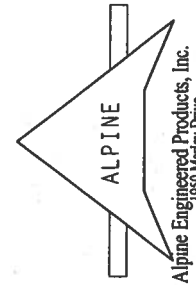
7.22.11

FL/-/3/-/R/-

Scale = .5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC511.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719, AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (4-N/H/S/K) ASTM A653 GRADE 40/60 (40 KSI) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. THIS DESIGN IS THE PROPERTY OF ALPINE ENGINEERED PRODUCTS, INC. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEER FOR THE TRUSS COMPONENT. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R487--	36365
TC DL	10.0 PSF	DATE	01/25/06	
BC DL	10.0 PSF	DRW	HCUSR487	06025111
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	20174	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SU5487_Z03	

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

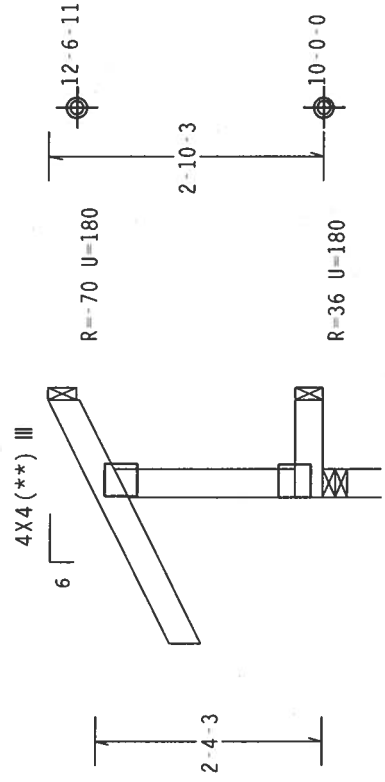
110 mph wind, 15.00 ft mean htg, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Left end vertical not exposed to wind pressure.

(**) Plate relocated as shown.

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

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

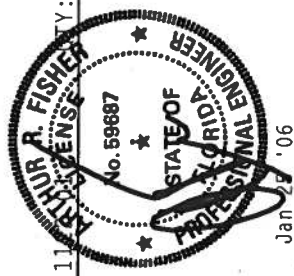


1'-6-0" → 1'-0-0"
1'-0-0" Over 3 Supports
R-217 U=180 W=3.5"

PLT TYP. Wave

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

Scale = 5" / Ft.



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

****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 2018/166A (N.H/S/K) ASTM A653 GRADE 40/60 (N. K/N-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. PLATES SHALL BE PERMANENTLY ATTACHED TO THE TRUSS CHORDS AS OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE DESIGN BY THE PROFESSIONAL ENGINEER. A SEAL ON THIS 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

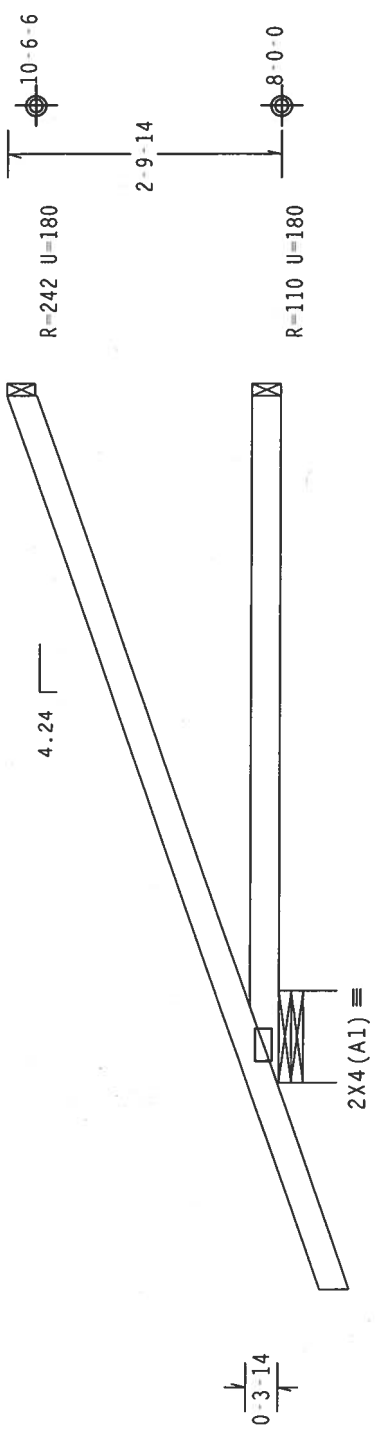
TC LL	20.0 PSF	FL / - / 3 / - / - / R / -	REF	R487 - -	36367
TC DL	10.0 PSF		DATE	01/25/06	
BC DL	10.0 PSF		DRW	HCUSR487	06025113
BC LL	0.0 PSF		HC-ENG	JB/AF	
TOT.LD.	40.0 PSF		SEQN-	140840	REV
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1SU5487_Z03	

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0
psf.
Hipjack supports 5-0-0 setback jacks with no webs.
Deflection meets L/360 live and L/240 total load. Creep increase factor
for dead load is 1.50.

SPECIAL LOADS

(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 61 PLF at -2.12 to 61 PLF at 7.07
BC - From 4 PLF at -2.12 to 20 PLF at 7.07
TC - 111 LB Conc. Load at 1.48
TC - 143 LB Conc. Load at 4.31
BC - 31 LB Conc. Load at 1.48
BC - 61 LB Conc. Load at 4.31

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



2-1-7
7-0-14 Over 3 Supports
R=423 U=180 W=11.314"

Design Crit: TPI-2002(STD)/FBC

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

7.22

FL/-3/-/R/-

Scale = .5" / Ft.

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

PLT TYP. Wave

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 563 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719), AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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 AFAPA AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/160A (4-H/5/S) ASH A663 GRADE 40760 (M, K/H-S) GALV. STEEL. APPLY CONNECTOR PLATE TO TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Design Crit: TPI-2002(STD)/FBC

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

7.22

FL/-3/-/R/-

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-- 36368

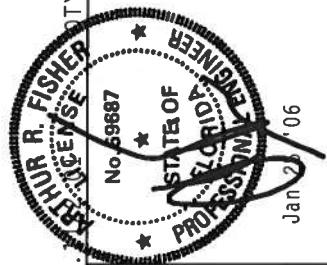
DATE 01/25/06

DRW HCUSR487 06025114

HC-ENG JB/AF

SEQN- 20200

JREF- 1SU5487_Z03

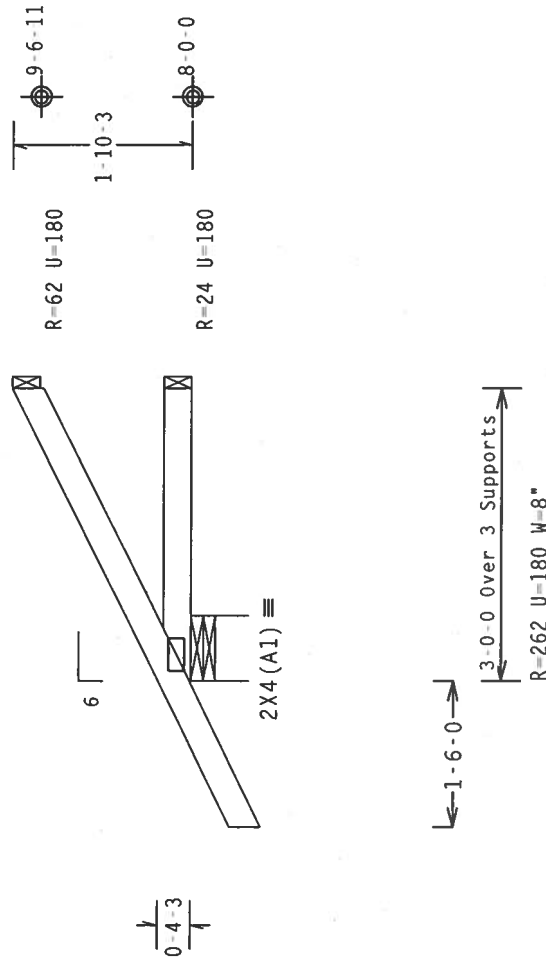


Top chord	2x4	SP	#2	Dense
Bot chord	2x4	SP	#2	Dense

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

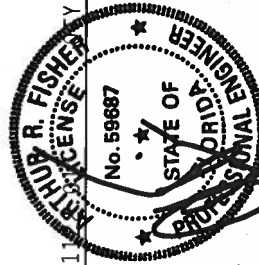
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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

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

Scale = .5"/Ft.

TC LL	20.0	PSF	REF R487 - - 36369
TC DL	10.0	PSF	DATE 01/25/06
BC DL	10.0	PSF	DRW HCUR487 06025115
BC LL	0.0	PSF	HC-ENG JB/AF
TOT.LD.	40.0	PSF	SEQN- 20034
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1SU5487_Z03



Jan 25 '06

WARNING: THUSSES REQUIRE CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSSES, INC., 20 D'ONOFIO DR., SUITE 200, MADISON, WI 53719, AND WTC (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE BLVD., SUITE 100, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT—FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, ALPINE ENGINEERS & 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. THIS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI: ALPINE TRUSS SYSTEMS. THE TRUSS SHALL BE MANUFACTURED IN ACCORDANCE WITH THE TPI: ALPINE TRUSS SYSTEMS 1601Z PLATES TO EACH FACE OF PLATES AND UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWING SHALL BE AS SHOWN ON THIS 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 TPI: ALPINE TRUSS SYSTEMS 1601Z SPEC.



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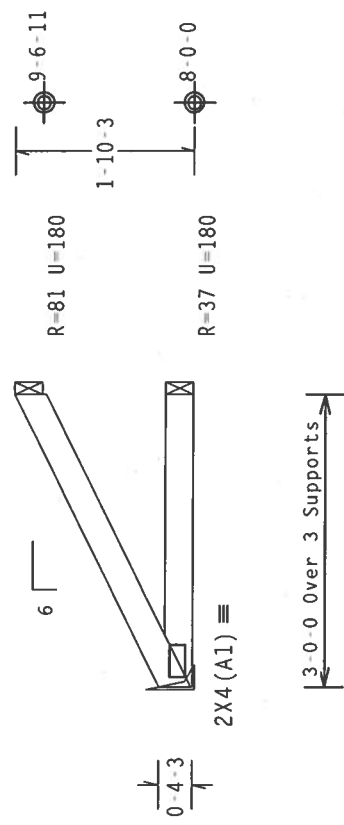
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

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

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

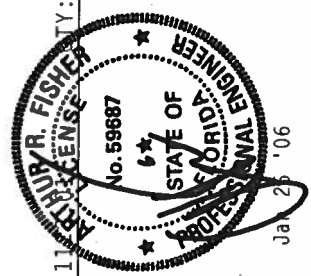
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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.



R=129 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

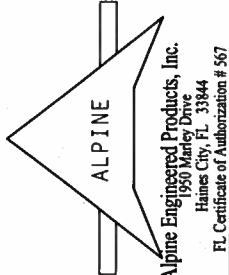
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.25(1.25)/0(0)

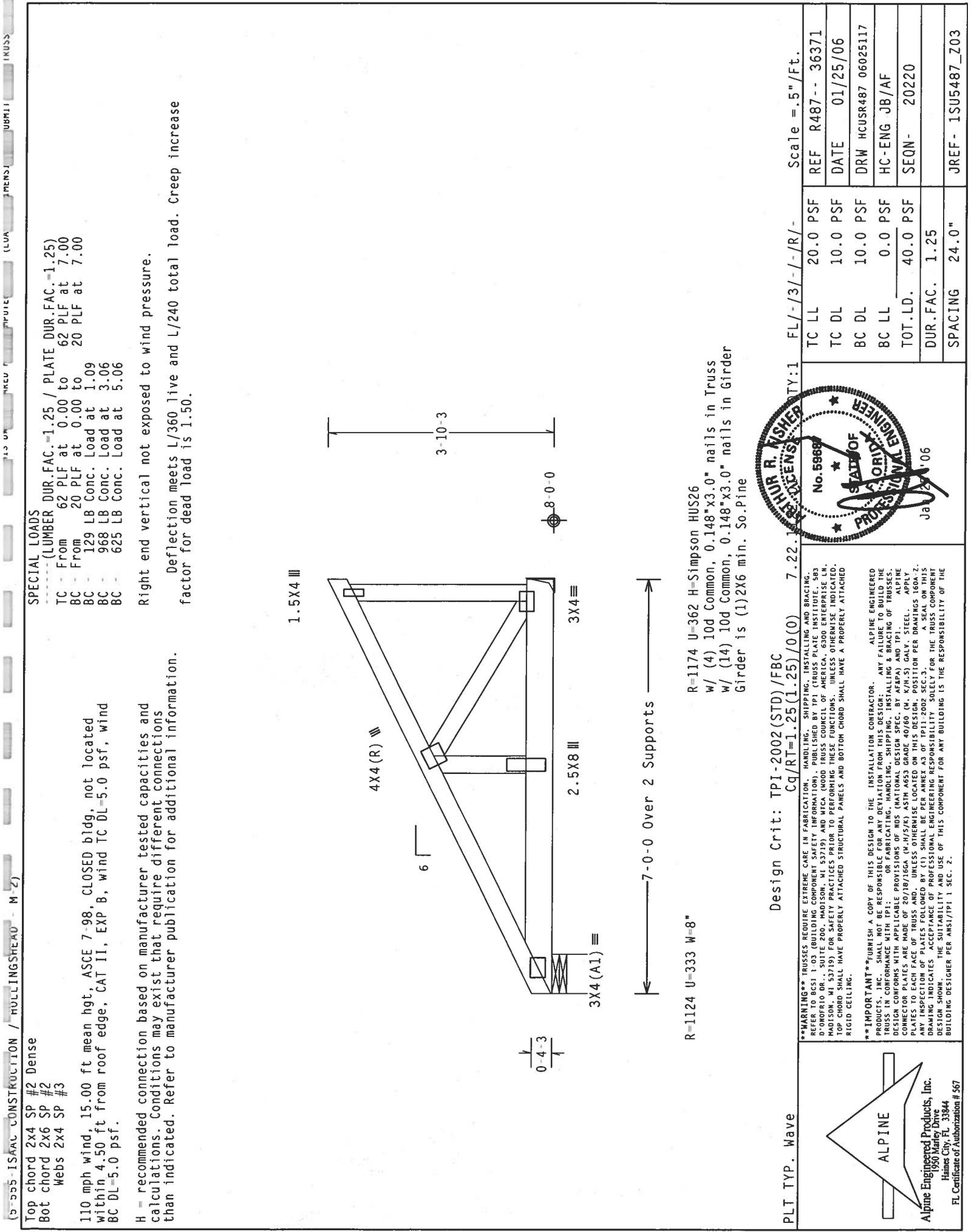


PLT TYP. Wave	7.22.11	FL/-/3/-/-/R/-	Scale =.5"/Ft.
TC LL	20.0 PSF	REF	R487 -- 36370
TC DL	10.0 PSF	DATE	01/25/06
BC DL	10.0 PSF	DRW	HCUSR487 06025116
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN	20041
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1SU5487_Z03

****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, 563 D'ORFIO 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 AFPA) AND TPI. ALPINE PROVIDES TO EACH TRUSS MANUFACTURER 2016/1604 (N/A/S/K) 65TH A553 GRADE 40/60 (N/A/S) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2005 SEC 3. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.





PLT TYP. Wave		Design Crit: TPI-2002 (STD)/FBC Cq/RT=1.25(1.25)/0(0)		7.22.14		TY:1		FL/-/3/-/-/R/-		Scale = .5" / Ft.	
REF R487 -- 36371		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	
DATE 01/25/06		DRW HCUSR487 06025117		HC-ENG JB/AF		SEQN- 20220		DUR.FAC. 1.25		SPACING 24.0"	
JREF- 1SU5487_203											

SPECIAL LOADS
----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at 0.00 to 62 PLF at 7.00
BC - From 20 PLF at 0.00 to 20 PLF at 7.00
BC - 129 LB Conc. Load at 1.09
BC - 968 LB Conc. Load at 3.06
BC - 625 LB Conc. Load at 5.06

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

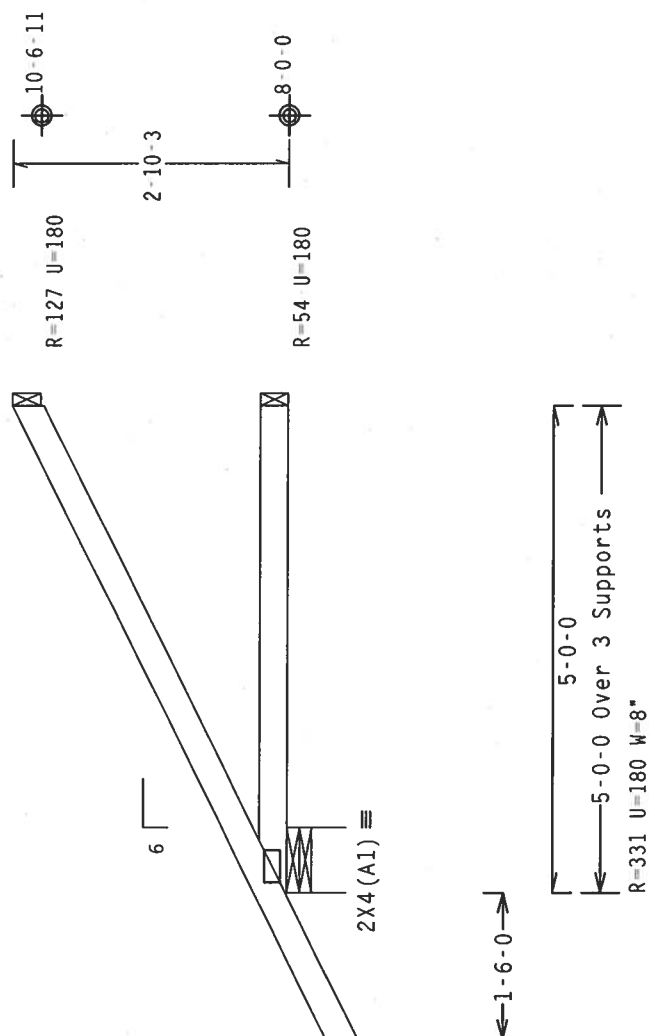
WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 563 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6306 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGNER CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/160A (M-H/5X3) ASTM A653 GRADE 40/60 (M. K/H-S) GALV. STEEL. APPLY ANY INSPECTION OF TRUSSES AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSSES AND NOT FOR THE BUILDING DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE
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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 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



PLT TYP. Wave

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

7.22.22

Scale = .5"/Ft.

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

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"	

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FL Certificate of Authorization # 567

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

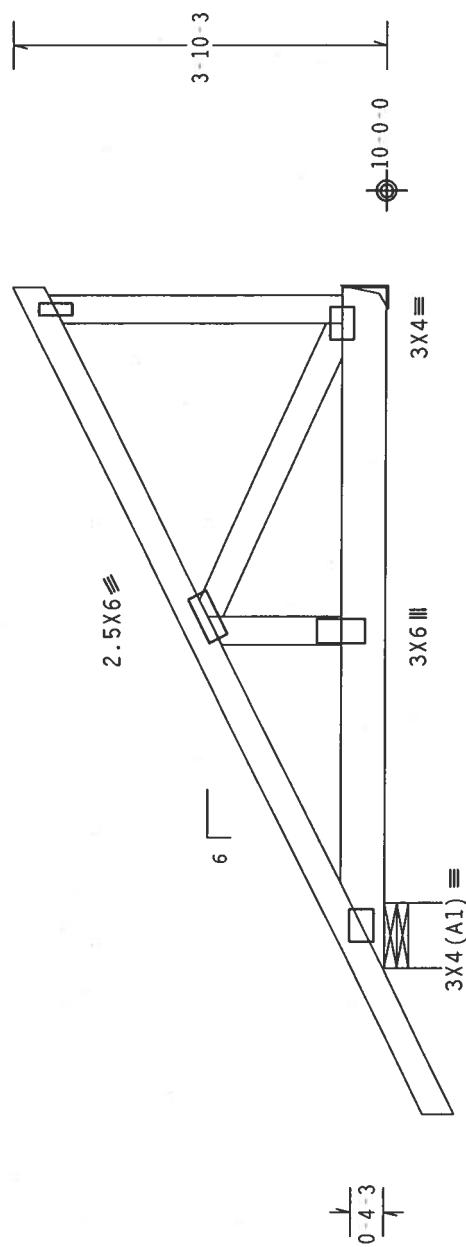
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

SPECIAL LOADS
----- (LUMBER DUR.FAC. = 1.25 / PLATE DUR.FAC. = 1.25)
TC - From 62 PLF at 1.50 to 62 PLF at 7.00
BC - From 4 PLF at 1.50 to 20 PLF at 7.00
BC - 592 LB Conc. Load at 2.56, 4.56, 6.56

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.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.25(1.25)/0(0) 7-22.11

R=1022 U=381 W=8"

R=1430 U=521 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 So.Pine

Scale = .5" / Ft.



TC LL	20.0 PSF	REF R487 - - 36373
TC DL	10.0 PSF	DATE 01/25/06
BC DL	10.0 PSF	DRW HCUSR487 06025118
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 20112
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SU5487_Z03

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RC31 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

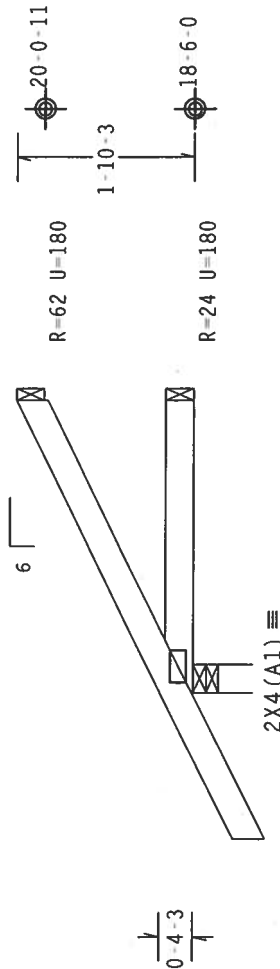
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/16GA (W.H/2/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 100A-Z. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEER'S DESIGN. 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.

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1110 mph wind, 19.22 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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

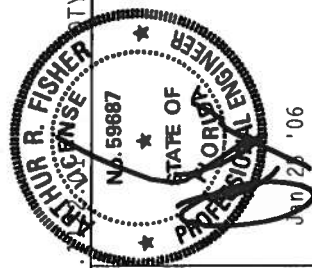


$\overleftarrow{1-6-0}$
 $\overleftarrow{3-0-0}$ Over 3 Supports
 $R=262$
 $U=180$
 $W=3.5"$

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

Scale = .5"/Ft.

TC LL	20.0 PSF	REF R487 - - 36374
TC DL	10.0 PSF	DATE 01/25/06
BC DL	10.0 PSF	DRW HCUR487 06025119
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 12732
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SU5487_Z03



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. SEE SPECIFICATIONS FOR TRUSS INFORMATION. PUBLISHED BY TPI (TRUSS PLECE INSTITUTE, 1863 W. 10TH AVE., SUITE 100, MINNEAPOLIS, MN 55405) AND TCA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LN., SUITE 100, MADISON, WI 53719) FOR SAFETY PURPOSES. REMEMBER THESE PRECAUTIONS, UNLESS OTHERWISE 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. THE ALPINE ENGINEERING TRUSS COMPANY, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH PLP1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, OR CONFLICTS WITH ANY APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND THE ALPINE ENGINEERING TRUSS COMPANY'S TRUSS MANUFACTURING SPECIFICATION (TRUSS MANUFACTURING SPEC., BY ALPINE ENGINEERING TRUSS COMPANY, INC.).

PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS FIG. 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF PLP1 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF THE BUILDING. (2) SHALL BE PER ANNEX A OF PLP1 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF THE BUILDING. DESIGNER PER ANNEX A OF PLP1 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF THE BUILDING.



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FL Certificate of Authorization # 567

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

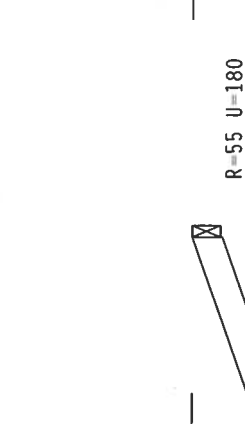
110 mph wind, 19.21 ft mean ht, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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 3-0-0 setback jacks with no webs.

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



4.24

0.3.14

1.9.14

R=55 U=180

R=13 U=180

2X4 (A1)

← 2-0-11 →

← 4-2-15 Over 3 Supports →

R=210 U=180 W=8.485"

Design Crit: TPI-2002 (STD)/FBC

Cg/RT=1.25(1.25)/0(0)

7.22.11

Scale = .5" / Ft.

PLT TYP. Wave

ALPINE

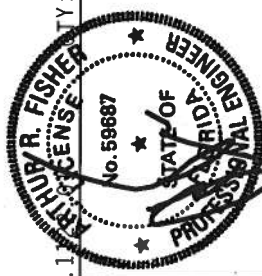
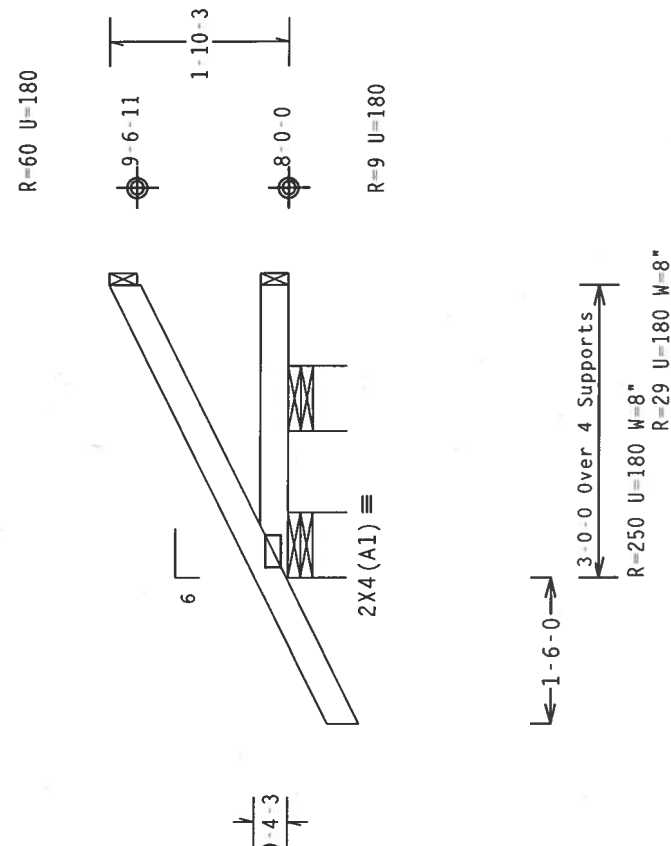
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

THOMAS R. FISHER
Professional Engineer
No. 59687
STATE OF FLORIDA
January 1, 2006

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 -- 36375
DATE 01/25/06
DRW HCUSR487 06025120
HC-ENG JB/AF
SEQN- 12737
JREF- 1SU5487_Z03

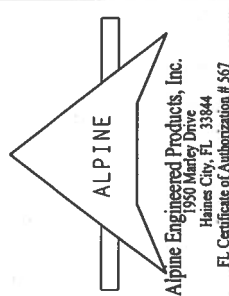
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.

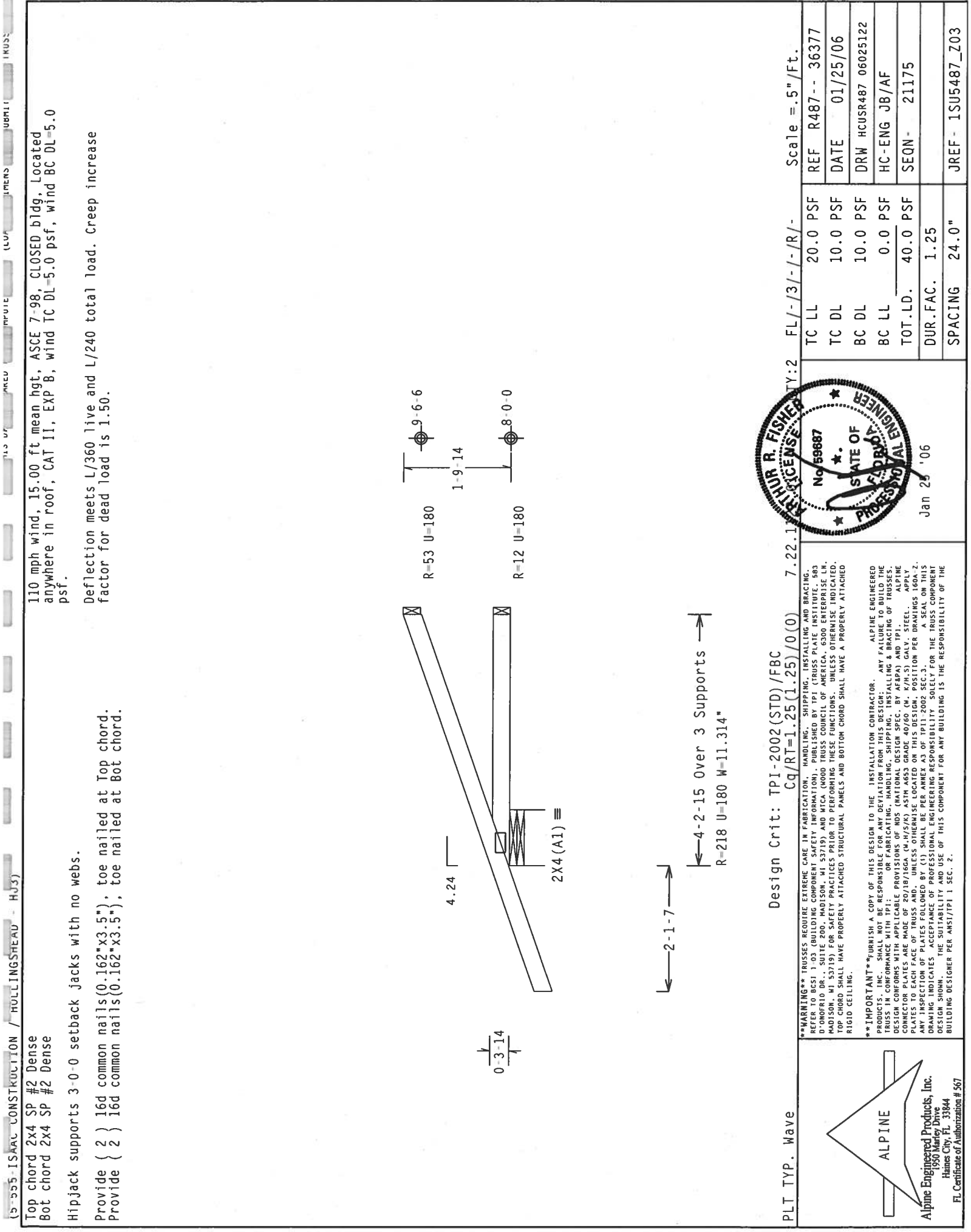


PLT TYP. Wave	Design Crit: TPI-2002(STD)/FBC Cq/RT=1.25(1.25)/0(0) 7.22.1	FL/-/3/-/R/-	Scale = .5" / Ft.
		TC LL	20.0 PSF
		TC DL	10.0 PSF
		BC DL	10.0 PSF
		BC LL	0.0 PSF
		TOT.LD.	40.0 PSF
		DUR.FAC.	1.25
		SPACING	24.0"
		REF	R487 - 36376
		DATE	01/25/06
		DRW	HCUSR487 06025121
		HC-ENG	JB/AF
		SEQN	21167
		JREF	1SU5487_Z03

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCSS 1.03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 543 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719, AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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/2/K) ASTM A653 GRADE 40/60 (N, K/H, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TOP CHORD AND BOTTOM CHORD. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 100A-2. TOP CHORD PLATE SHALL BE PER ANSIS/1.25(1.25)/0(0) SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTABLE PROFESSIONAL ENGINEERING. THE SUITABILITY AND USE OF THIS COMPONENT FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSIS/1.25(1.25)/0(0) SEC. 2.





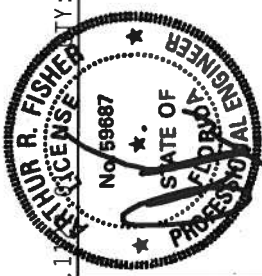
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.

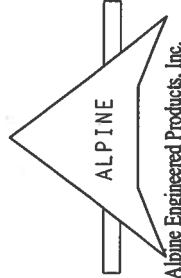
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Hipjack supports 3-0-0 setback jacks with no webs.

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

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



PLT TYP. Wave	Design Crit: TPI-2002(STD)/FBC Cq/RT=1.25(1.25)/0(0)	7.22.1	FL/-/3/-/R/-	Scale =.5"/Ft.			
 Alpine Engineering Products, Inc. 1950 Marley Drive Haines City, FL 33844 FL Certificate of Authorization # 567	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFIO DR., SUITE 200, MADISON, WI 53719) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.			REF R487-- 36377			
	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 CONNECTION PLATES ARE MADE OF 2018/16GA (W.1/2"/K) ASTM A553 GRADE 40/60 (N. K/M. S) GALV. STEEL. APPLY ANY INSPECTION OF PLATES TO BE OWNED BY THE TRUSS COMPANY. UNLESS OTHERWISE INDICATED, THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPANY. BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.			DATE 01/25/06			
				DRW HCUSR487 06025122			
				HC-ENG JB/AF			
				SEQN- 21175			
TODAY'S DATE				JAN 25 '06			
TODAY'S TIME				1.25			
TODAY'S LOCATION				24.0"			
TODAY'S WEATHER				SPACING			
TODAY'S COMMENTS				JREF- 1SU5487_203			

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

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

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

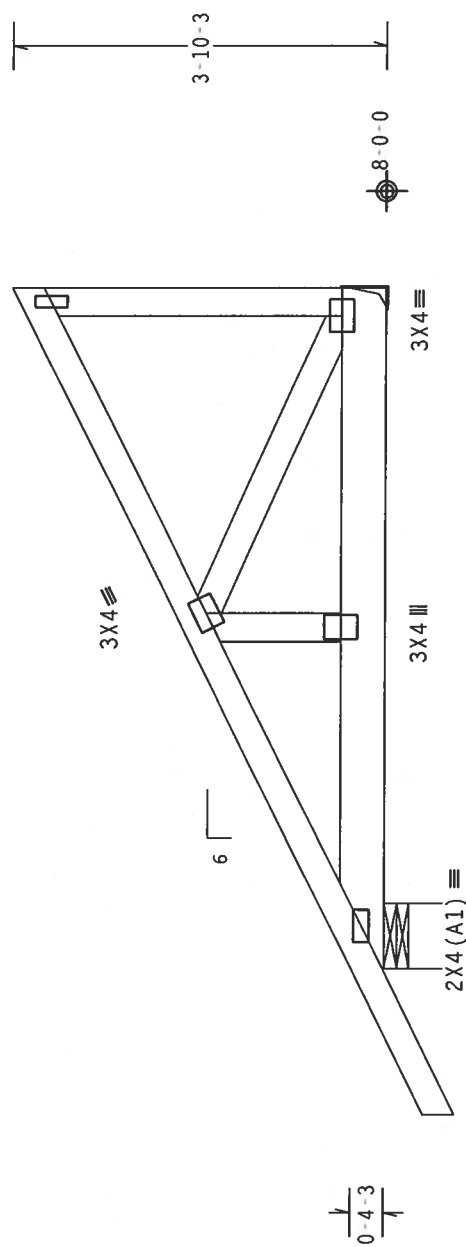
SPECIAL LOADS

-----LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25
TC - From 62 PLF at -1.50 to 62 PLF at 7.00
BC - From 4 PLF at -1.50 to 20 PLF at 7.00
BC - 419 LB Conc. Load at 1.56
BC - 267 LB Conc. Load at 3.56, 5.56

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.

1.5X4 III



1-6-0

7-0-0 Over 2 Supports

R=930 U-309 W=8"

R=699 U=226 H=Simpson LU26

w/ (4) 10d, 0.148"x1.5" nails in Truss

w/ (6) 10d Common 0.148"x3.0" nails in Girder

Girder 10d Common So.Pine

Design Crit: TPI-2002 (STD) /FBC

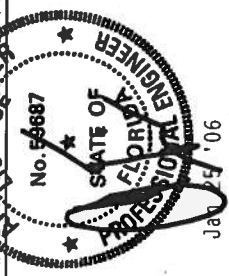
Cq/RT=1.25(1.25)/0(0)

7-22.1 PLT TYP. Wave

Scale = .5" /Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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 (W/H/S/K) ASTM A653 GRADE 40/60 (N. K/P.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 THE DESIGNER'S RESPONSIBILITY. THE SEAL IS THE RESPONSIBILITY OF THE DESIGNER. THE SEAL IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R487 - -	36378
TC DL	10.0 PSF	DATE	01/25/06	
BC DL	10.0 PSF	DRW	HCUSR487	06025123
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	12913	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SU5487_Z03	

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

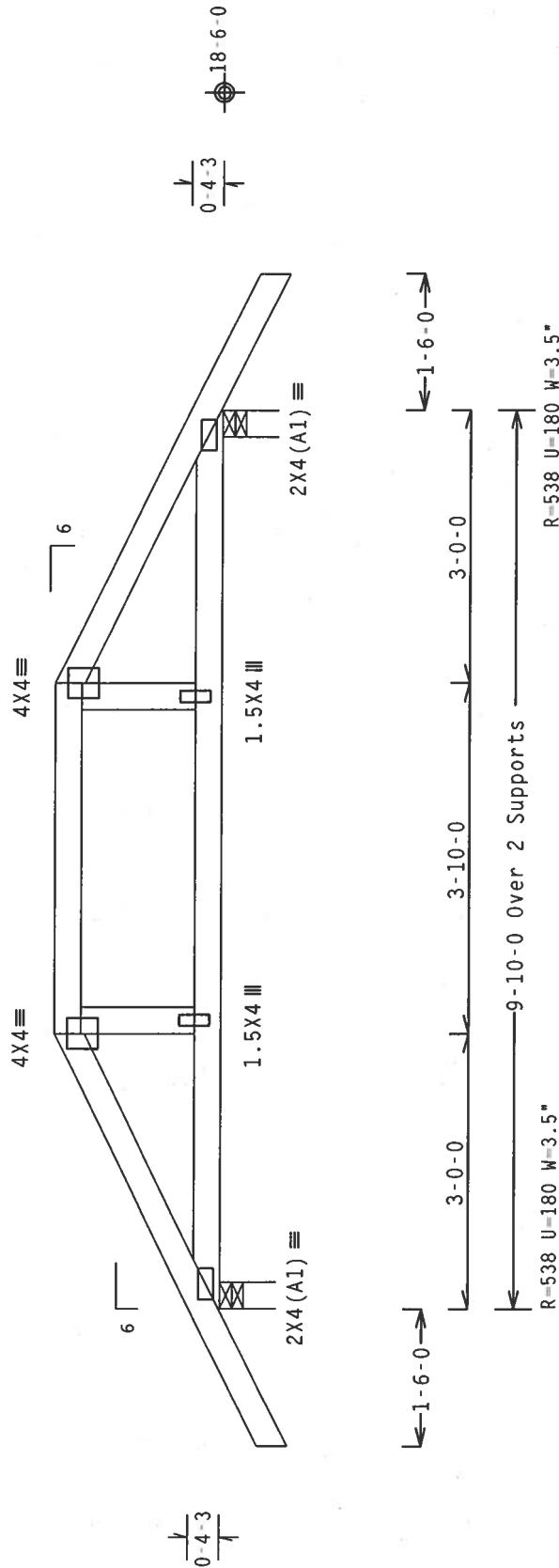
	Top	chord	2x4	SP	#2
	Bot	chord	2x4	SP	#2
		webs	2x4	SP	#3

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

110 mph wind, 19.22 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BCDL=5.0 psf.

#1 hip supports 3-0-0 jacks with no webs.

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



PLT TYP. Wave

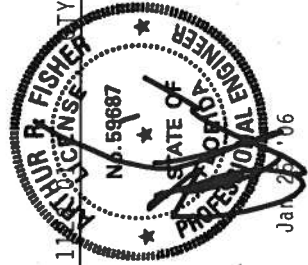
Design Crit: TPI-2002(STD)/FBC
Ca/RT=1.25(1.25)

7.22.11

13-181-131-1

Scale = .5"/Ft.

TC LL	20.0	PSF	REF	R487--	36379
TC DL	10.0	PSF	DATE	01/25/06	
BC DL	10.0	PSF	DRW	HCUSR487	06025124
BC LL	0.0	PSF	HC-ENG	JB/AF	
TOT.LD.	40.0	PSF	SEQN-	140855	REV
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1SU5487_Z03	



ALPINE

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

FL Certificate of Authorization #567

TC LL	20.0 PSF	REF R487 -- 36380
TC DL	10.0 PSF	DATE 01/25/06
BC DL	10.0 PSF	DRW HCUR487 06025066
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	40.0 PSF	SEQN- 13015
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SU5487_Z03

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

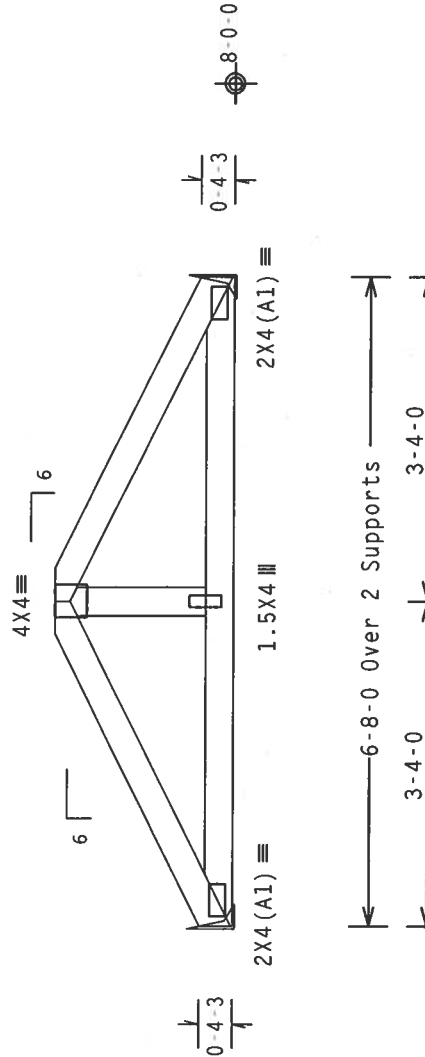
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

#1 hip supports 3-0-0 jacks with no webs.

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

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=330 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

R=330 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

PLT TYP. Wave

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

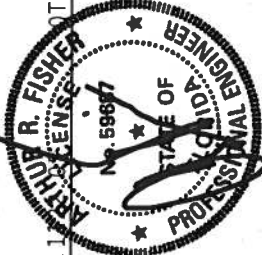
7.22.1

TY:1

FL/-/3/-/R/-

Scale = .5" /Ft.

 ALPINE Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844 FL Certificate of Authorization # 567	TC LL 20.0 PSF		REF R487-- 36381
	TC DL 10.0 PSF		DATE 01/25/06
	BC DL 10.0 PSF		DRW HCUSR487 06025133
	BC LL 0.0 PSF		HC-ENG JB/AF
	TOT.LD. 40.0 PSF		SEQN- 140699 REV
DUR.FAC. 1.25			
SPACING 24.0"		JREF- 1SU5487_Z03	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 2017/106A (N.H/57K) ASTM A553 GRADE 40/60 (M. K/H.5) GALV. STEEL. APPLY PERMANENT IDENTIFICATION TO ALL PLATES. UNLESS OTHERWISE COATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-Z. ANY INSPECTION OF PLATES FOLLOWED BY TPI SHALL BE THE RESPONSIBILITY OF THE TRUSS FABRICATOR. THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS FABRICATOR. BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

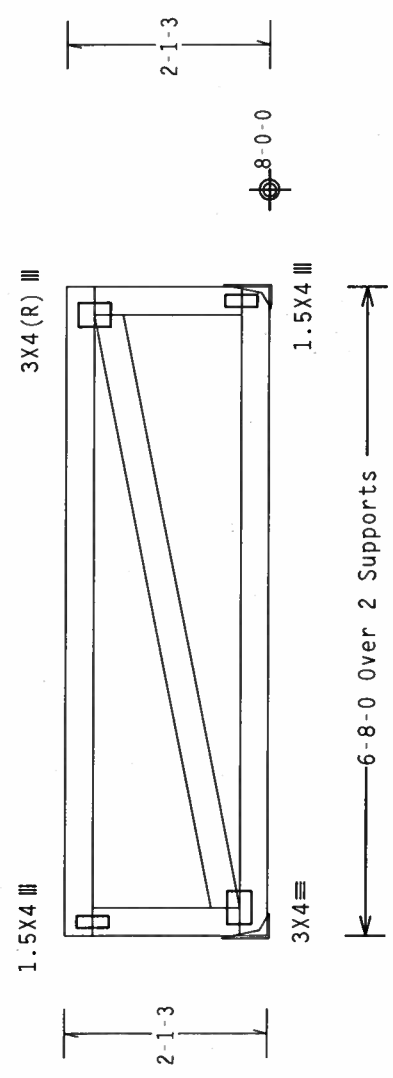
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

End verticals not exposed to wind pressure.

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

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.

Provide for complete drainage of roof.



R-267 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

PLT TYP. Wave



ALPINE

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

FL Certificate of Authorization # 567

Design Crit: TPI-2002(STD)/FBC

Cg/RT=1.25(1.25)/0(0) 7.22.11

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W-H/5/K) ASTM A653 GRADE 40/60 (M. K/M.S.) GALV. STEEL. APPLY ANY TACKLING OF TRUSS AND UNLESS OTHERWISE LOOKED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF ANY TRUSS AND BOTTOM CHORDS SHALL BE CONDUCTED BY AN INDEPENDENT THIRD PARTY. 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.

TY:1

FL/-3/-/-R/-

Scale = 5" / Ft.

REF R487 -- 36382

DATE 01/25/06

DRW HCUR487 06025067

HC-ENG JB/AF *

SEQN- 21194

DUR.FAC. 1.25

SPACING 24.0"

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

Ja 11/25/06

PROF. R. FISHER

STATE OF FLORIDA

ENGINEER

No 59887

EXP. 12/31/11

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

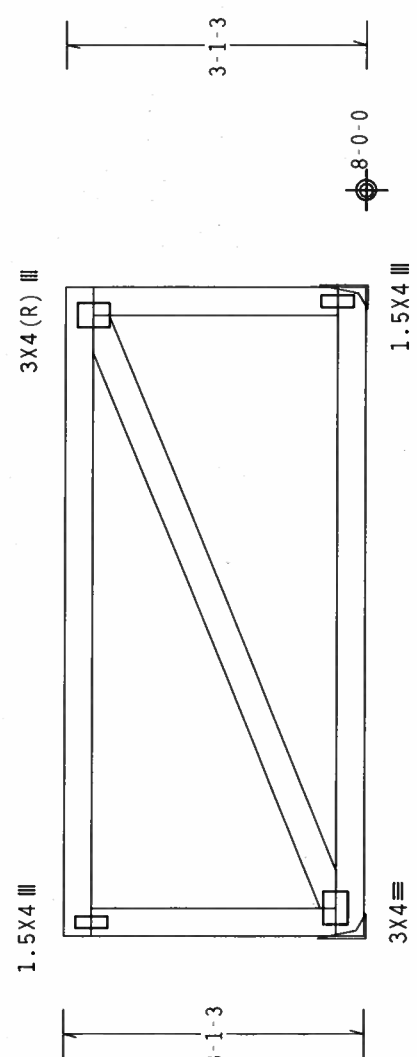
End verticals not exposed to wind pressure.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Provide for complete drainage of roof.

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

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

Truss must be installed as shown with top chord up.



R-267 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

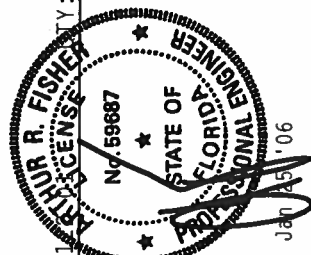
R-267 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X4 min. So.Pine

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.25(1.25)/0(0) 7.22.11

Scale = .5" / Ft.

PLT TYP. Wave		FL / - / 3 / - / - / R / -	TC LL	20.0 PSF	REF R487 -- 36383
			TC DL	10.0 PSF	DATE 01/25/06
			BC DL	10.0 PSF	DRW HCUSR487 06025068
			BC LL	0.0 PSF	HC-ENG JB/AF *
			TOT.LD.	40.0 PSF	SEQN- 21200
			DUR.FAC.	1.25	
			SPACING	24.0"	JREF- 1SU5487_Z03



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

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

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

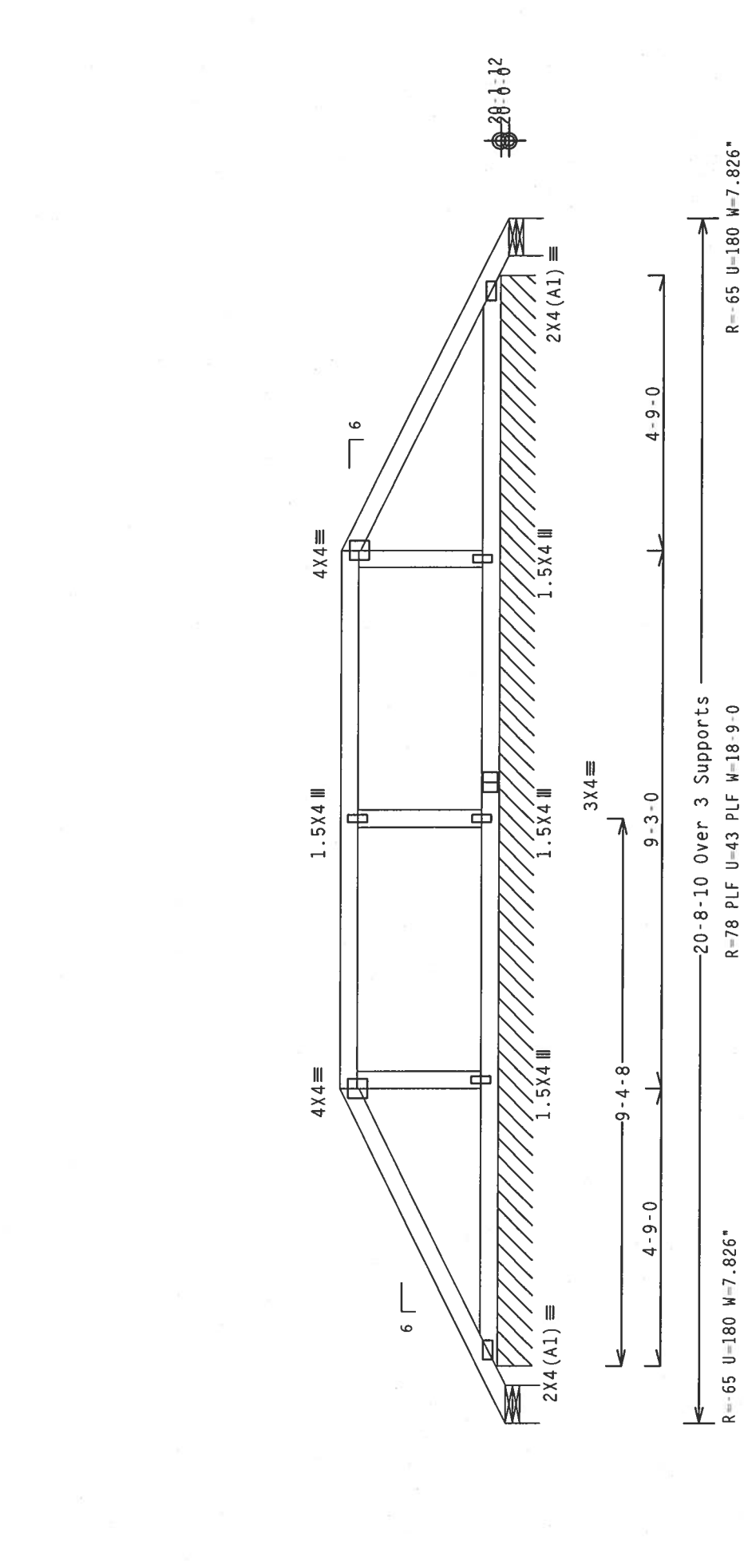
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 21.43 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

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

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

REFER TO DWG PIGBACK0204 FOR PIGGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" O.C., UNLESS OTHERWISE SPECIFIED



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.25(1.25)/0(0) 7-22.11

Scale = .375" / Ft.

TC LL	20.0 PSF	REF R487--	36384
TC DL	10.0 PSF	DATE	01/25/06
BC DL	2.0 PSF	DRW	HCUSR487 06025125
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	32.0 PSF	SEQN-	20410
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SU5487_Z03

ALPINE
Alpine Engineered Products, Inc.
Haines City, FL 33944
FL Certificate of Authorization # 567

THOMAS R. FISHER
No. 59887
STATE OF FLORIDA
PROFESSIONAL ENGINEER
JUL 25 '06

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSS 1.033 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS COUNCIL OF AMERICA, 1530 ENTERPRISE BLVD, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

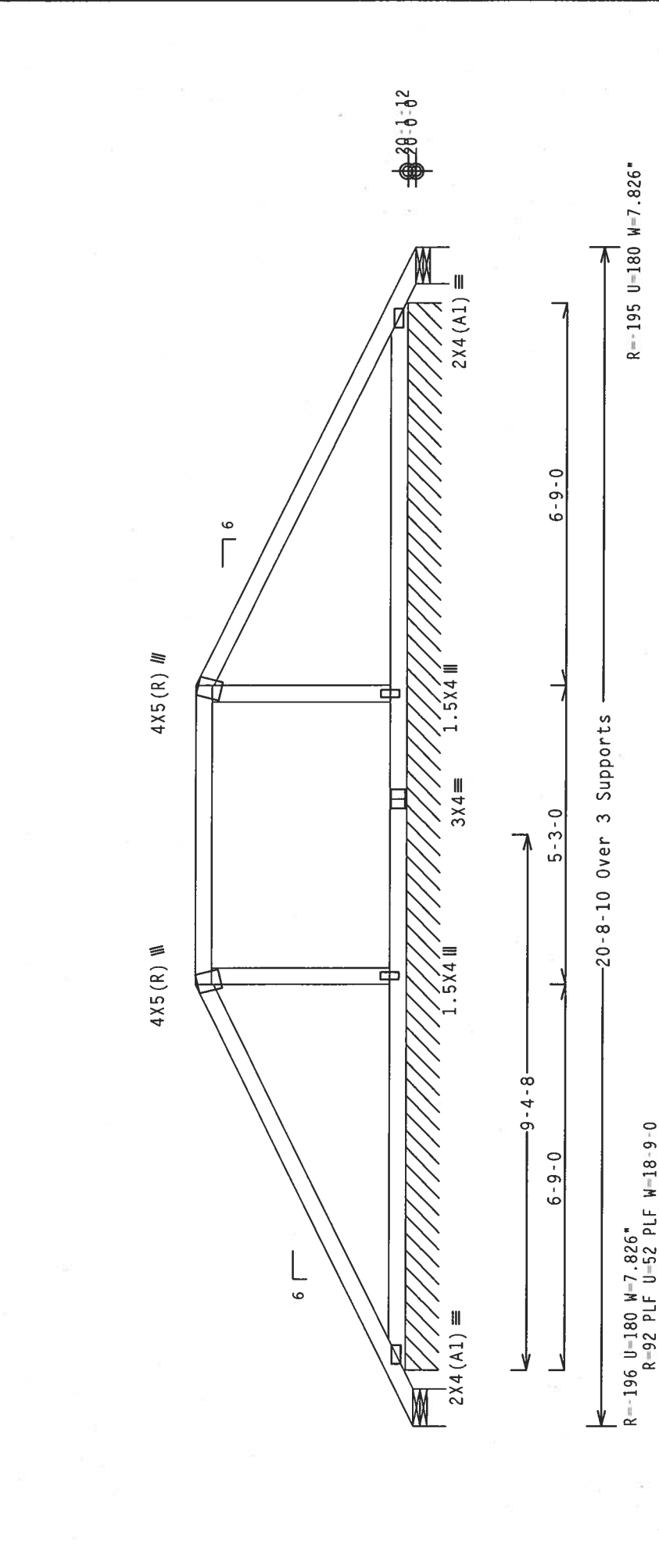
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W. H/2/A) 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-Z. AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE SIGNATURE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGNER. THE SUSTAINABLE 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

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

110 mph wind, 21.93 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-1.2 psf.

REFER TO DWG PIGBACKB0204 FOR PIGGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" O.C., UNLESS OTHERWISE SPECIFIED



PLT TYP. Wave

Design Crit: TPI-2002 (STD) / FBC
Cq/RT=1.25(1.25)/0(0) 7-22-11

Scale = .375" / Ft.

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"

REF R487 - 36385
DATE 01/25/06
DRW HCUR487 06025135
HC-ENG JB/AF
SEQN- 20415
JREF- 1SU5487_Z03

ALPINE

Alpine Engineered Products, Inc.
Haines City, FL 33944
FL Certificate of Authorization # 567

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

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 (W.H/2/S) ASTM A553 GRADE 40/60 (W. K/H.S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGNER'S SIGNATURE AND SEAL. SEE TPI 2002 SEC. 2.

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 59687
JAN 25 '06

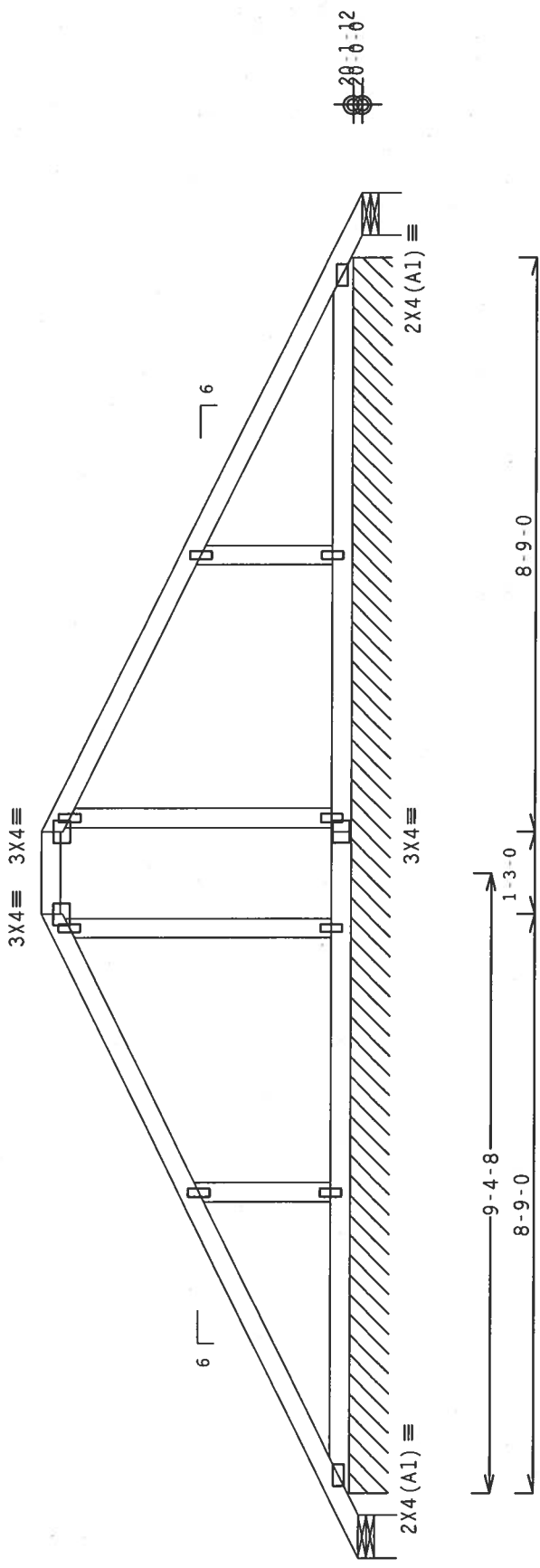
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

REFER TO DWG PIGBACK0204 FOR PIGGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" O.C., UNLESS OTHERWISE SPECIFIED

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

110 mph wind, 22.43 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

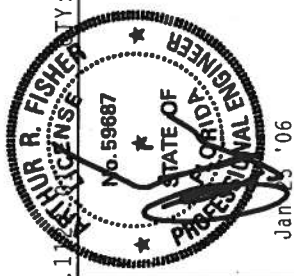


R=47 U=180 W=7.826"
R=76 PLF U=41 PLF W=18-9-0
20-8-10 Over 3 Supports
R=47 U=180 W=7.826"

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002 (STD) / FBC

Scale = .375" / Ft.



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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 ALL APPLICABLE CODES, SPECIFICATIONS, AND BUILDING DEPARTMENT ORDINANCES. THE SEALING OF THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPANY. BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

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

TC LL	20.0 PSF	FL / - / 3 / - / - / R / -	REF	R487 - -	36386
TC DL	10.0 PSF		DATE	01/25/06	
BC DL	2.0 PSF		DRW	HCUSR487	06025126
BC LL	0.0 PSF		HC-ENG	JB/AF	
TOT.LD.	32.0 PSF		SEQN	20420	
DUR.FAC.	1.25				
SPACING	24.0"		JREF	1SU5487_Z03	

1500 money drive Haines City, FL 33844 FL Certificate of Authorization # 567	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- 1SU5487_Z03
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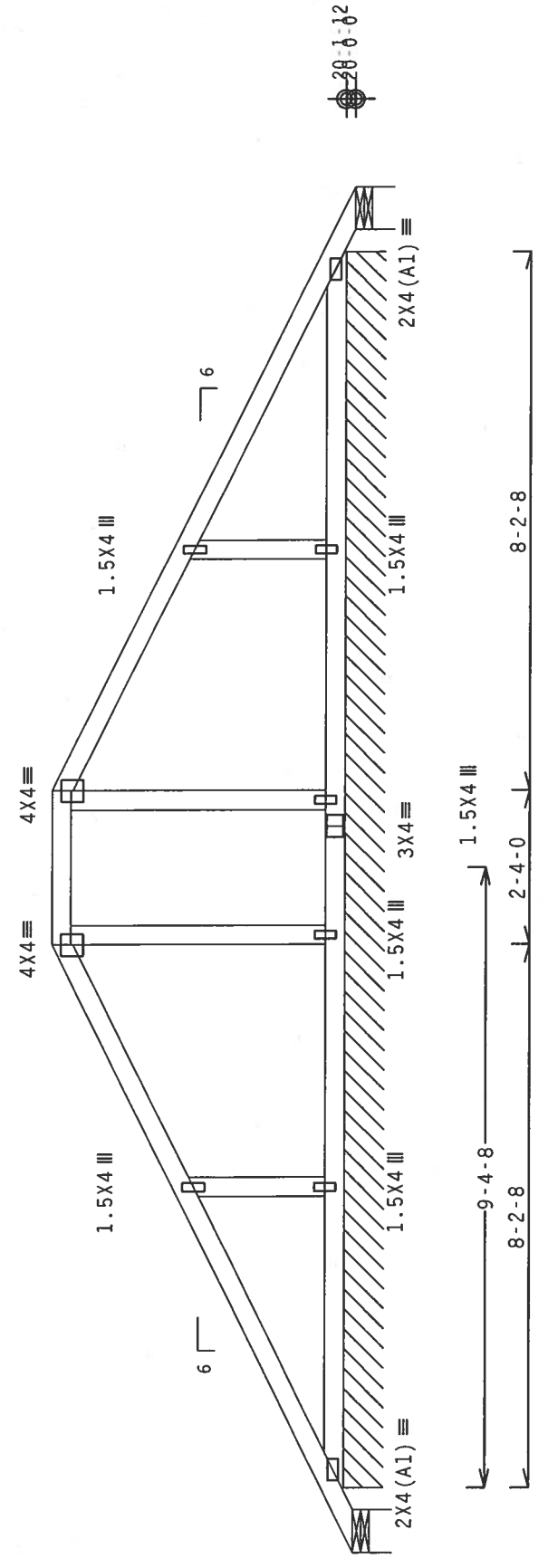
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 22.30 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

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

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

REFER TO DWG PIGGYBACK0204 FOR PIGGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" O.C., UNLESS OTHERWISE SPECIFIED

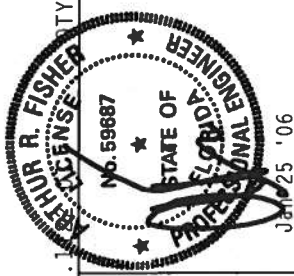


R=-47 U=180 W=7.826"
R=76 PLF U=41 PLF W=18-9-0
R=-47 U=180 W=7.826"

20-8-10 Over 3 Supports

Design Crit: TPI-2002 (STD) / FBC
Cq/RT=1.25(1.25)/0(0) 7-22.1

PLT TYP. Wave	FL / - / 3 / - / - / R / -	Scale = .375" / Ft.
TC LL	20.0 PSF	REF R487 - 36388
TC DL	10.0 PSF	DATE 01/25/06
BC DL	2.0 PSF	DRW HCUSR487 06025128
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	32.0 PSF	SEQN- 20471
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SU5487_Z03



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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W.1/2") 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. CRAMMING OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNER PER ANSI/TPI 1 SEC. 2.

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

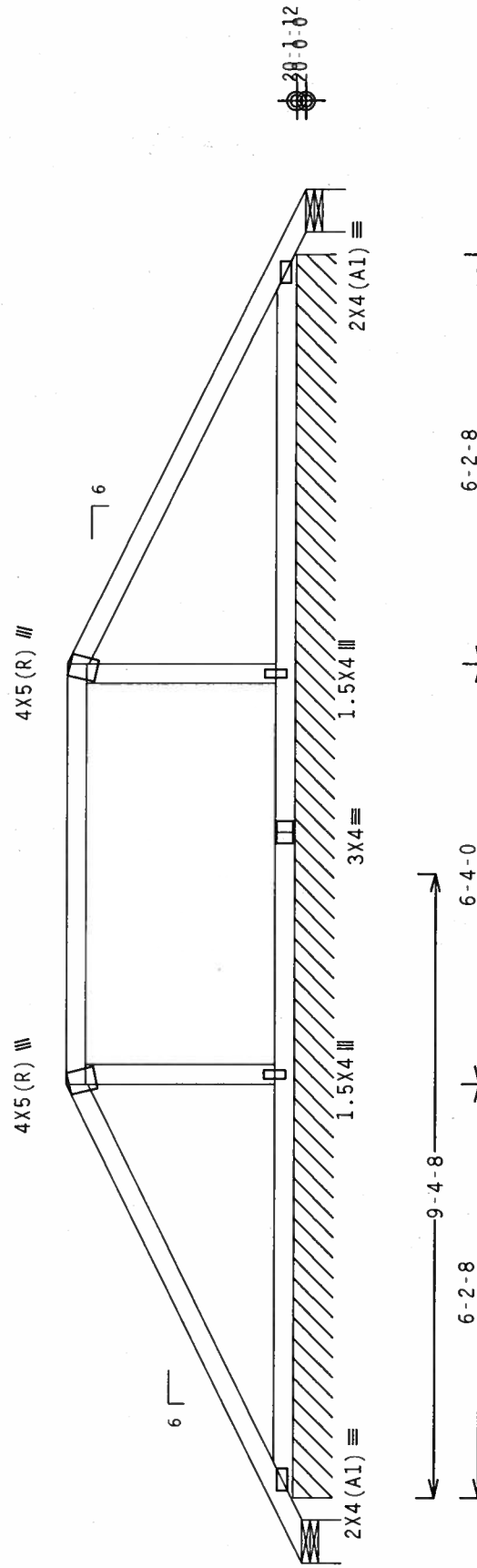
	Top	Bot	Dense
chord	2x4	2x4	SP #2
chord	2x4	2x4	SP #2
webs	2x4	2x4	SP #3

110 mph wind, 21.80 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

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

REFER TO DWG PIGBACK0204 FOR PIGGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO
BE BRACED @ 24" O.C., UNLESS OTHERWISE SPECIFIED

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



R=-137 U=180 W=7.826"
R=86 PLF U=48 P

-20-8-10 Over 3 Supports

R=-137 U=180 W=7.826"

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

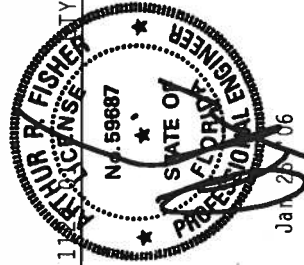
7.22.11
SHEET NO. 1
CONSENT

FL / - / 3 / - / - / R / -
Scale = .375" / Ft.

PLT TYP. Wave

***WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 NORTH 10TH AVENUE, SUITE 200, ARDMORE, OK 73401-5008, TEL 573-1975) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, IN 47219) FOR ADDITIONAL INFORMATION REGARDING THE PROPER HANDLING AND BRACING OF TRUSSES. THE 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: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. CONECTOR PLATES ARE MADE OF 2010/ALUMINUM (NATIONAL DESIGN SPEC. BY A990) AND TPI: ALPINE PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, 6061/35 STEEL. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNET A OF TPI-2002 SEC.3. SEAN ON THE DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANNUITY TPI 1 SEC. 2.



TC LL	20.0	PSF	REF	R487--	36389
TC DL	10.0	PSF	DATE	01/25/06	
BC DL	2.0	PSF	DRW	HCUSR487	06025129
BC LL	0.0	PSF	HC-ENG	JB/AF	
TOT.LD.	32.0	PSF	SEQN-	20476	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1SU5487_Z03	

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

FL Certificate of Authorization # 567
Haines City, FL 33844

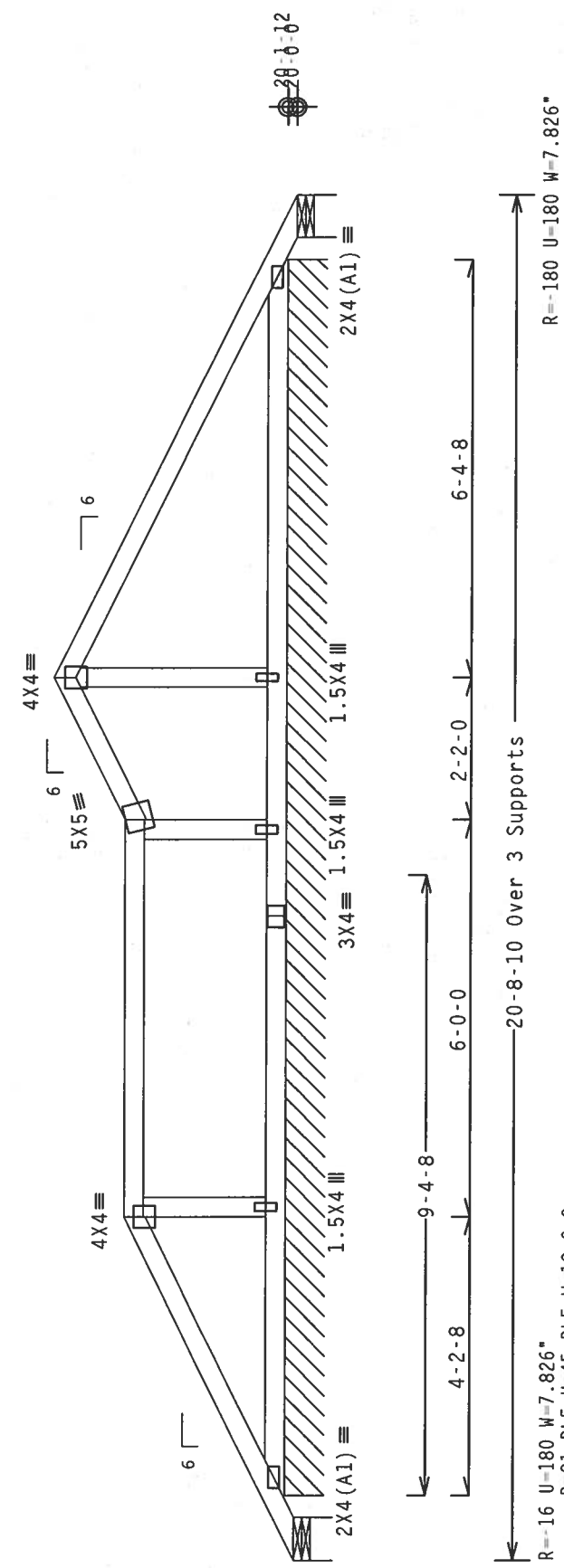
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

REFER TO DWG PIGBACK0204 FOR PIGGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" O.C., UNLESS OTHERWISE SPECIFIED

110 mph wind, 21.84 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-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=1.25(1.25)/0(0) 7.22.11

Scale = .375" / Ft.

REF R487 -- 36390

DATE 01/25/06

DRW HCUSR487 06025130

HC-ENG JB/AF

SEQN- 20481

DUR.FAC. 1.25

SPACING 24.0"

JREF- 1SU5487_Z03

ALPINE

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 RCES 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 1000 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719, AND MECA, HODD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE BL, 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 (N-H/S/K) ASTM A653 GRADE 40/60 (N. K/M.S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEER'S SEAL FOR THE TRUSS COMPONENT. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEER'S SEAL FOR THE TRUSS COMPONENT. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

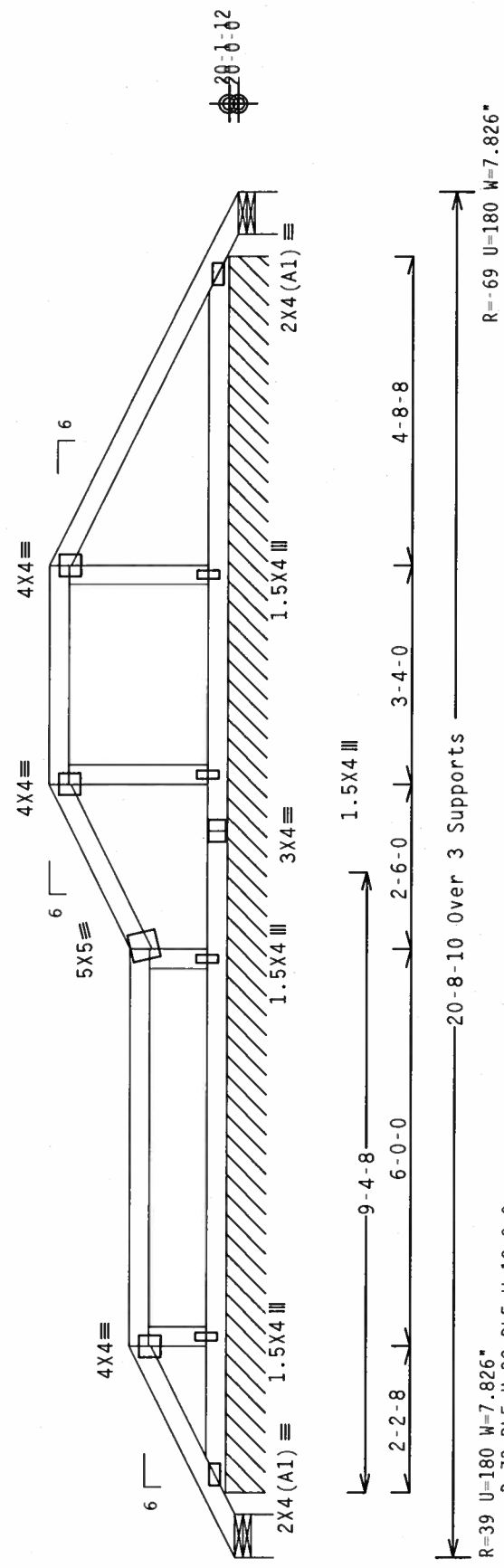
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

REFER TO DWG PIGBACK0204 FOR PIGGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" O.C., UNLESS OTHERWISE SPECIFIED

110 mph wind, 21.42 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

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



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

PLT TYP. Wave

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

R=39 U=180 W=7.826"
R=73 PLF U=38 PLF W=18-9-0

20-8-10 Over 3 Supports

R=-69 U=180 W=7.826"

Scale = .375" / Ft.

PLT TYP. Wave

Scale = .375" / Ft.

TC LL	20.0 PSF	REF R487-- 36391
TC DL	10.0 PSF	DATE 01/25/06
BC DL	2.0 PSF	DRW HCUSR487 06025131
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	32.0 PSF	SEQN- 20486
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SU5487_Z03

THUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
JUN 25 '06

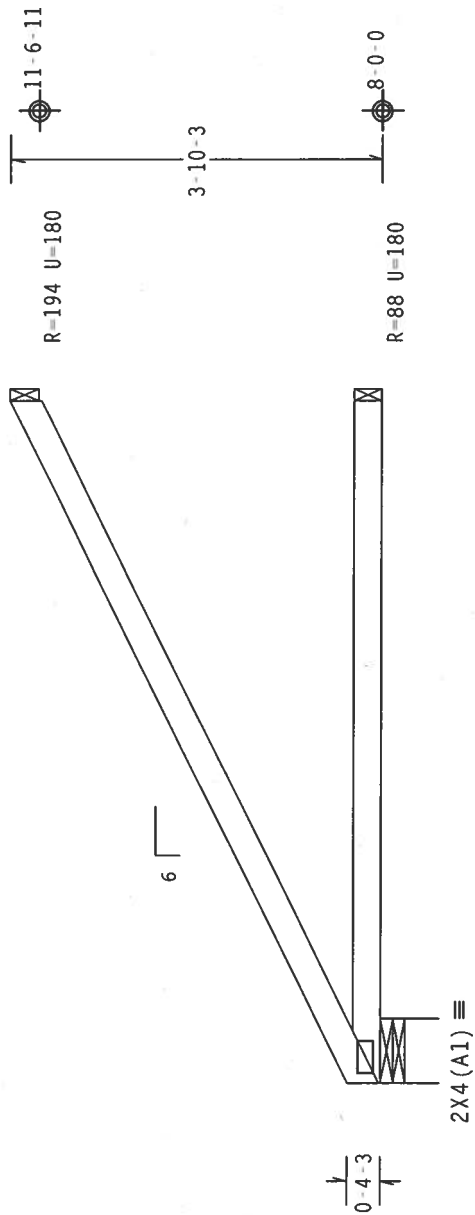
ALPINE ENGINEERED PRODUCTS, INC.
1950 MARLEY DRIVE
HAINES CITY, FL 33844
FL CERTIFICATE OF AUTHORIZATION # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 1403 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 5300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 2018/16GA (.049) ASTM A653 GRADE 40/60 (W. K/H.S) GALV. STEEL. APPLY AN INSPECTOR'S SIGNATURE AND SEAL TO EACH TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A Z. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPANY'S 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
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

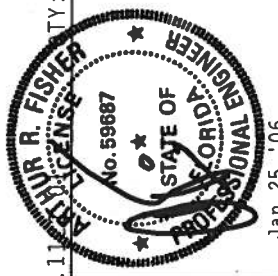
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



7-0-0 Over 3 Supports
R-294 U=180 W=8"

Design Crit: TPI-2002(STD)/FBC

Scale = .5" / Ft.



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 563 D'ONOFIO DR., SUITE 200, MADISON, WI 53719) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI 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 A553 GRADE 40/60 (W. K/H.S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. FIRST INSTALLATION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE DESIGNER'S ACCEPTANCE OF THE DESIGN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

TC LL	20.0 PSF	REF	R487 - -	36392
TC DL	10.0 PSF	DATE	01/25/06	
BC DL	10.0 PSF	DRW	HCUSR487	06025132
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	140587	REV
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SU5487_Z03	

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.

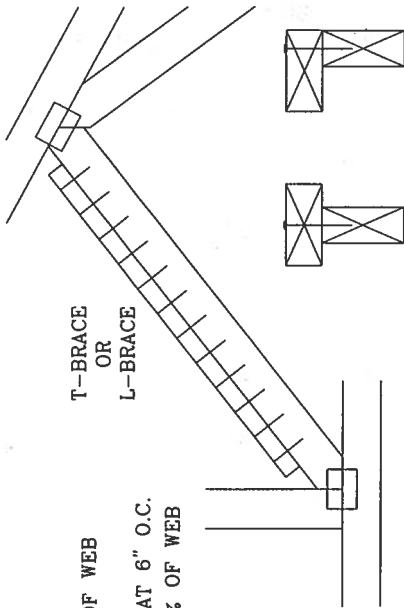
WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE	SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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

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

T-BRACING
OR
L-BRACING:

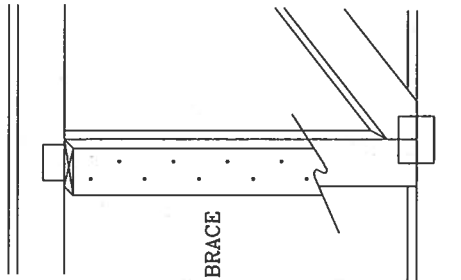
APPLY TO EITHER SIDE OF WEB
NARROW FACE
ATTACH WITH 16d NAILS AT 6" O.C.
BRACE IS A MINIMUM 80% OF WEB
MEMBER LENGTH



T-BRACE
L-BRACE

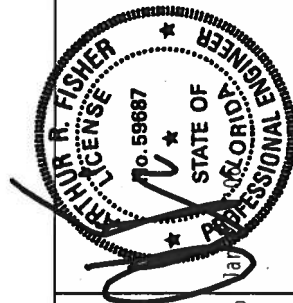
SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB.
NO MORE THAN (1) SCAB PER FACE.
ATTACH WITH 10d OR .128"x3" GUN
NAILS AT 6" O.C. BRACE IS A MINIMUM
80% OF WEB MEMBER LENGTH



SCAB BRACE

THIS DRAWING REPLACES DRAWING 579.640



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO THE DESIGNER'S SPECIFICATIONS AND THE ALPINE TRUSS COMPANY'S TRUSS CONSTRUCTION MANUAL, 583 DOWNSIDE DR. SUITE 200, MADISON, VI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING. STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. FOR WOOD) AND AIA (AMERICAN INSTITUTE OF ARCHITECTS) AND ALL OTHER APPLICABLE CODES AND STANDARDS. 40/60 (W/K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND IN EACH MEMBER. ALL PLATES SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



ALPINE ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA

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			

BEARING BLOCK NAIL SPACING DETAIL

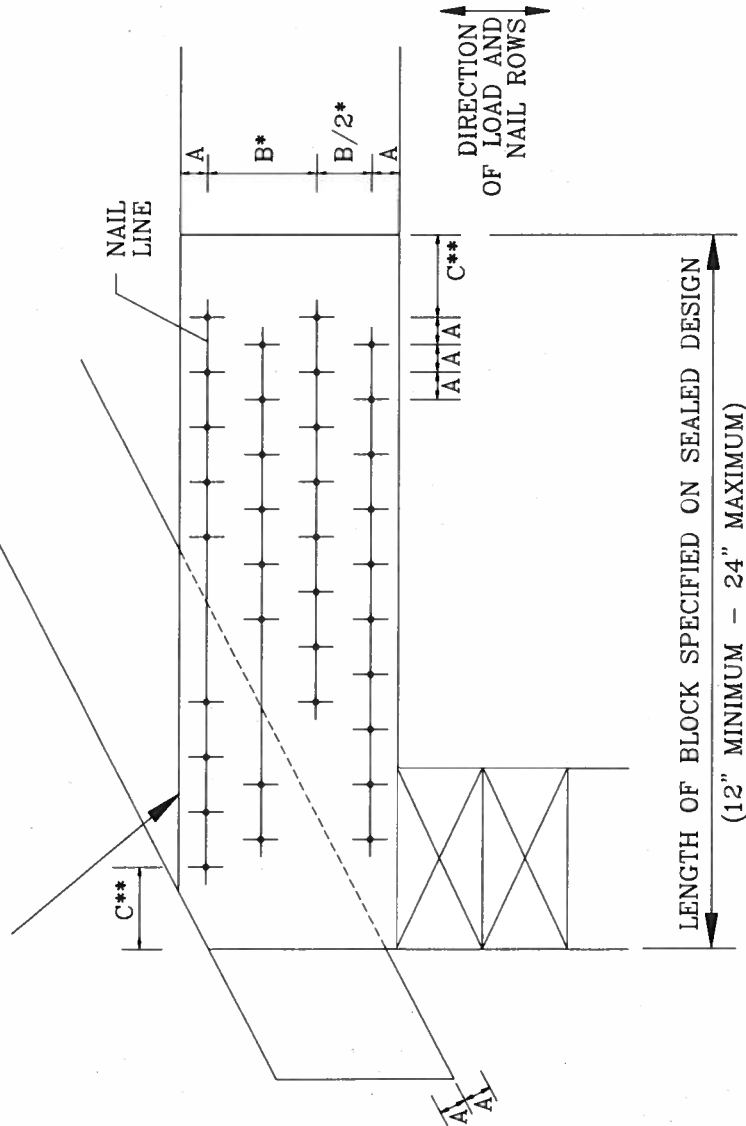
MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

MINIMUM SPACING FOR SINGLE BEARING BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

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

IF NAIL HOLES ARE PREBORED, SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW:
• SPACING MAY BE REDUCED BY 50%
• SPACING MAY BE REDUCED BY 33%

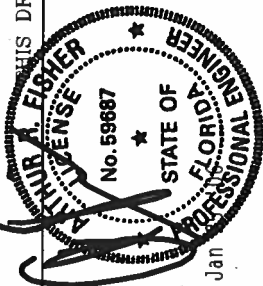
BEARING BLOCK TO BE SAME SIZE AND SPECIES AS BOTTOM CHORD. BLOCKS MAY BE ANY GRADE WITHIN THE SPECIES, PROVIDED THE COMPRESSION PERPENDICULAR TO GRAIN VALUE (Fc-perp) IS AT LEAST THAT OF THE CHORD.



NAIL TYPE	CHORD SIZE				
	2X4	2X6	2X8	2X10	2X12
8d BOX (0.113"x2.5")	3	6	9	12	15
10d BOX (0.128"x3")	3	5	7	10	12
12d BOX (0.128"x3.25")	3	5	7	10	12
16d BOX (0.135"x3.5")	3	5	7	10	12
20d BOX (0.148"x4")	2	4	5	6	8
8d COMMON (0.131"x2.5")	3	5	7	10	12
10d COMMON (0.148"x3")	2	4	6	8	10
12d COMMON (0.148"x3.25")	2	4	6	8	10
16d COMMON (0.162"x3.5")	2	4	6	8	10
0.120"x2.5" GUN	3	6	8	11	14
0.131"x2.5" GUN	3	5	7	10	12
0.120"x3.0" GUN	3	6	8	11	14
0.131"x3.0" GUN	3	5	7	10	12

MINIMUM NAIL SPACING DISTANCES

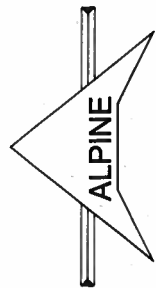
NAIL TYPE	DISTANCES		
	A	B*	C**
8d BOX (0.113"x2.5")	3/4"	1 3/8"	1 3/4"
10d BOX (0.128"x3")	7/8"	1 5/8"	2"
12d BOX (0.128"x3.25")	7/8"	1 5/8"	2"
16d BOX (0.135"x3.5")	7/8"	1 5/8"	2 1/8"
20d BOX (0.148"x4")	1"	1 7/8"	2 1/4"
8d COMMON (0.131"x2.5")	7/8"	1 5/8"	2"
10d COMMON (0.148"x3")	1"	1 7/8"	2 1/4"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



THIS DRAWING REPLACES DRAWING B139 AND CNBRGLK0699

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 DUNDRIE DR., SUITE 200, MADISON, VT. 53719) AND VITA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, VT. 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THE ERECTION OF TRUSSES. UNLESS OTHERWISE INDICATED, ALL CHORDS 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/A3) ASTM A653 GRADE 40/60 (W/A/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604-2. ANY INSPECTION OF PLATES FOLLOWED BY CD SHALL BE THE RESPONSIBILITY OF THE INSPECTOR. THE DESIGNER ACCEPTS THE RESPONSIBILITY OF THE DESIGN. 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

REF	BEARING BLOCK
DATE	11/26/03
DRWG	CNBRGLK1103
-ENG	SJP/KAR

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

SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

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

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

130 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG,

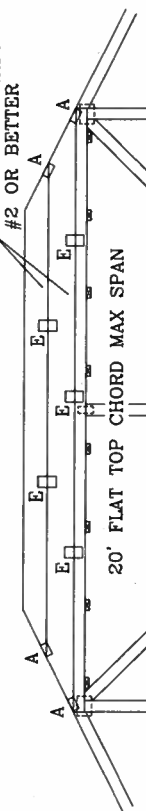
LOCATED ANYWHERE IN ROOF, CAT II, EXP C;

WIND TC DL=5 PSF, WIND BC DL=5
110 MPH WIND 30', MEAN HCT SBC

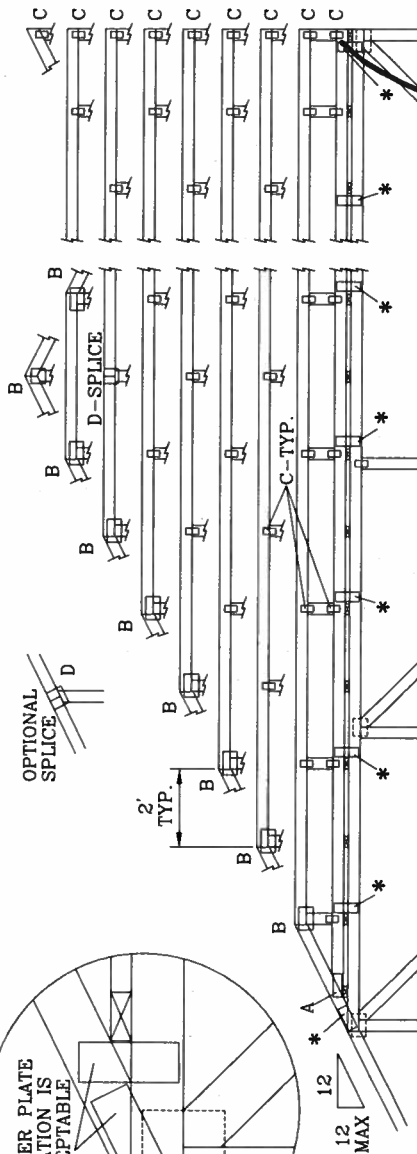
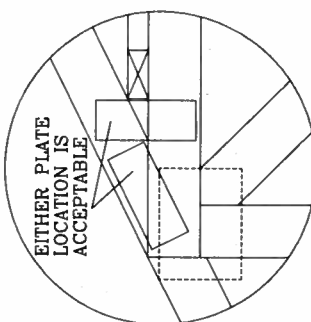
110 MPH WIND, 30 MEAN HGT, SBC
ENCLOSED BLDG. LOCATED ANYWHERE IN ROOF

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.



MAX SIZE OF 2X12
#2 OR BETTER



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

WARNING: TRUSSES REQUIRING EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND UNLOADING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE NATIONAL PLATE INSTITUTE, 593 DUNDORF DR., SUITE 200, MADISON, WI 53719) AND VCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING ANY OF THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED RIGID 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 TRUSSES IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & ERECTING THE TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. FOR BRACING OF TRUSSES, IN CONFORMANCE WITH TPI) STEEL CONNECTOR PLATES ARE MADE OF 2018/18GA U.S. A575 GRADE 43 (A575 & F82) AND T1. ALPINE CONNECTOR PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE GRADED BY THE MANUFACTURER, SHALL BE 40/60 K/L/H/SI GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE GRADED BY THE MANUFACTURER, SHALL BE 40/60 K/L/H/SI GALV. STEEL. ANY INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE ON THIS DESIGN, POSITION PER DRAWING 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (D) SHALL BE ON THIS DESIGN, POSITION PER DRAWING 160A-2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE PROFESSIONAL ENGINEERING RESPONSIBILITY OF THE DESIGNER. 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.



ALPINE ENGINEERED PRODUCTS, INC.
POMPAÑO BEACH, FLORIDA

(4) 6d BOX (0.099"X 2" MIN) NAILS:

8" X 8" X 1/2" RATED SHEATHING GUSSETS (EACH
FACE) MAY BE USED IN LIEU OF TRULOX PLATES.
ATTACH WITH (8) 6d BOX (0.099"X 2",MIN) NAILS
PER GUSSET.

(4) IN CAP BC AND (4) IN BASE TRUSS FLAT TC.

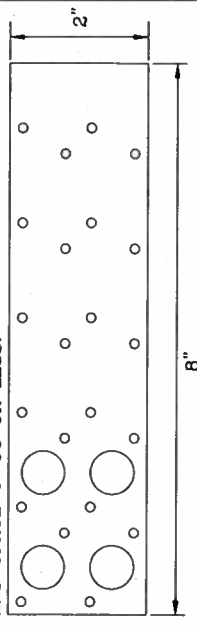
JOINT TYPE	SPANS UP TO			
	30'	34'	38'	52'
A	2X4	2.5X4	2.5X4	3X5
B	4X6	5X6	5X6	5X6
C	1.5X3	1.5X4	1.5X4	1.5X4
D	5X4	5X5	5X5	5X6
E	4X6 OR 3X6 TRULOX AT 4' OC, ROTATED VERTICALLY			

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 BRACING CHART	
REQUIRED BRACING	
WEB LENGTH 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.

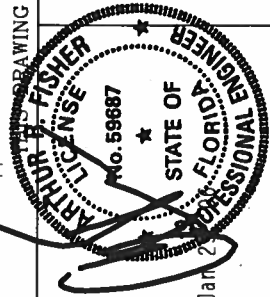
*** PIGGYBACK SPECIAL PLATE**

ATTACH TEETH TO THE PIGGYBACK AT THE TIME OF FABRICATION. ATTACH TO SUPPORTING TRUSS WITH (4) 0.120" X 1.375" NAILS PER FACE PER PLY. APPLY PIGGYBACK SPECIAL PLATE TO EACH TRUSS FACE AND SPACE 4" OC OR LESS.



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

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



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

0603-52

Reference to a building permit application Number:

Isaac Construction Owner Ricarbo Hollingshead 277 N. W. Bridgewater Terrace

On the date of March 17, 2006 application 0603-52 and plans for construction of a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0603-52 when making reference to this application.

✓ 1. FRC-2004 sections R309 Garage: R309.1

A: Opening protection: Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and residence shall be equipped with solid wood doors not less than 13/8 inches (35 mm) in thickness, solid or honeycomb core steel doors not less than 13/8 inches (35 mm) thick, or 20-minute fire-rated doors. The attic access door shall have the same fire rating as the door described in the above section R309.1 of the FRC-2004.

✓ 2. The electrical service overcurrent protection device shall be installed on the exterior of structures to serve as a disconnecting means. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground.

Thank you,

A handwritten signature in red ink, appearing to read "Joe Haltiwanger", is positioned above the printed name.

Joe Haltiwanger
Plan Examiner
Columbia County Building Department

PREPARED BY AND RETURN TO:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32066-1328Property Appraiser's
Identification Number

TM File No: 05-870

Inst:2005029027 Date:11/22/2005 Time:08:17
Doc Stamp-Deed : 504.00
DC, P. Dewitt Casch, Columbia County B:1065 P:2161

WARRANTY DEED

This Warranty Deed, made this 14th day of November, 2005,
BETWEEN MICHAEL W. DALEY AND SHARON DALEY, Husband and Wife whose
post office address is 10621 Old Hammock Way, Wellington, Florida
33414, grantor*, and RICARDO B. HOLLINGSHEAD and ANNE MARIE
HOLLINGSHEAD, Husband and Wife whose post office address is 526
NW Zack Drive, Lake City, Florida 32024, 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 5, Cobblestone, Unit 1, a subdivision according to the
plat thereof as recorded in Plat Book 8, Pages 3-6, public
records, Columbia County, Florida.

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

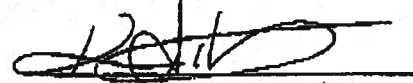
To Have and to Hold, the same in fee simple forever.

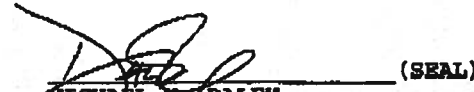
And subject to taxes for the current year and later years and all
valid easements and restrictions of record, if any, which are not
hereby reimposed; and also subject to any claim, right, title or
interest arising from any recorded instrument reserving,
conveying, leasing, or otherwise alienating any 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.

Inst: 2005028027 Date: 11/22/2005 Time: 08:17
 Doc Stamp-Deed : 504.00
 DC, P. DeWitt Cason, Columbia County B: 1065 P: 2162

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 of First Witness)
RAUDINA S. WATERS
 (Typed Name of First Witness)


 (SEAL)
 MICHAEL W. DALEY

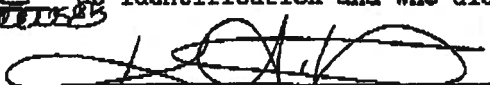

 (Signature of Second Witness)
Vianca Fernandez
 (Typed Name of Second Witness)


 (SEAL)
 SHARON DALEY

STATE OF FLORIDA
 COUNTY OF PALM BEACH

The foregoing instrument was acknowledged before me this
17th day of November, 2005, by Michael W. Daley and Sharon
 Daley, Husband and Wife who is/are personally known to me or who
 has/have produced FLORIDA as identification and who did
 not take an oath.

My Commission Expires:


 Notary Public
 Printed, typed, or stamped name:
 (SEAL)





Phone (386) 755-3611

Fax (386) 752-5381

Notice of Intent for Preventative Treatment for Termites

(As required by Florida Building Code (FBC) 104.2.6)

Aspen Pest Control, Inc.**(386) 755-3611****State License # - JB109476****State Certification # - JF104376****Rick Hollingslead, 277 NW Bridgewater Ter, Lake City, Fl, 32055**

Address of Treatment or Lot/Block of Treatment

Bora-Care Wood Treatment – 23% Disodium Octaborate Tetrahydrate

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

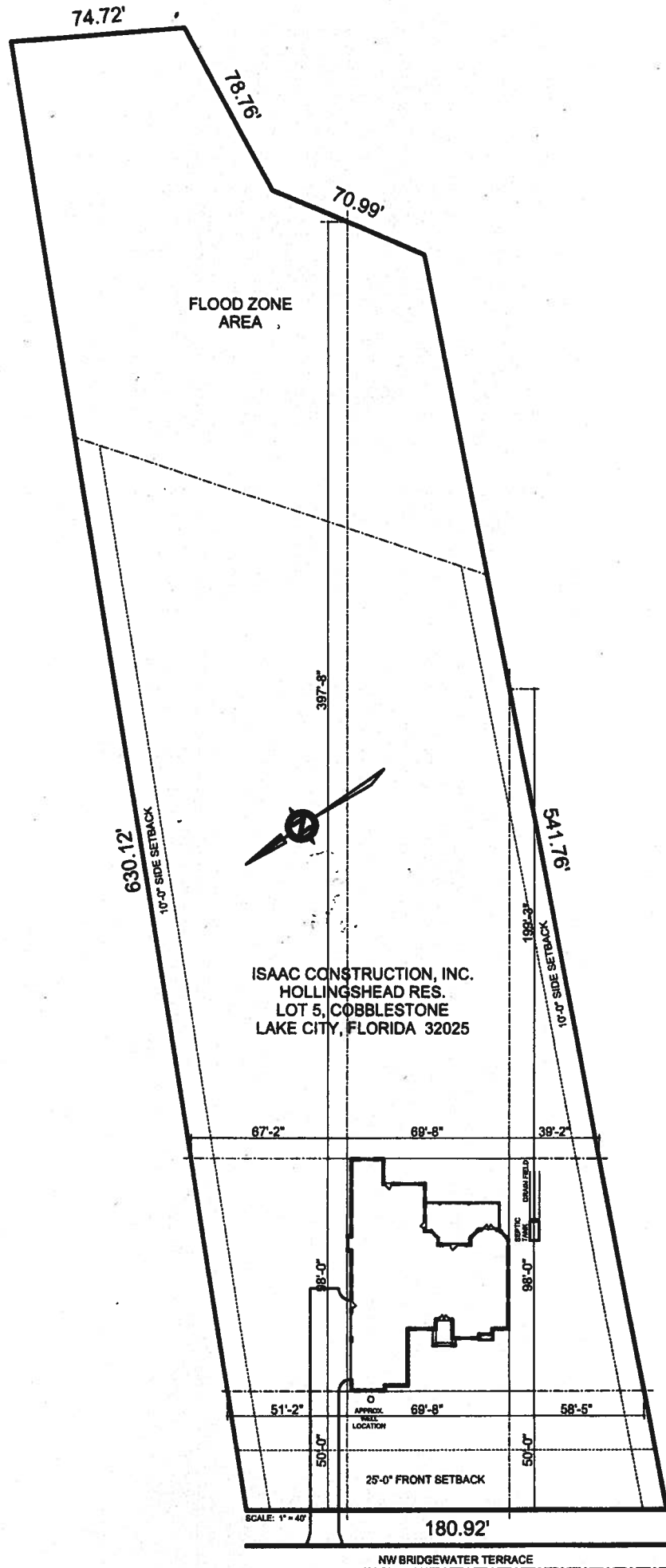
Application onto Structural Wood

Description of Treatment

The above named structure will receive a complete treatment for the prevention of subterranean termites at the dried-in stage of construction. Treatment is done in accordance with the rules and laws established by the Florida Department of Agriculture and Consumer Services and according to EPA registered label directions as stated in Florida Building Code Section 1861.1.8.

Celia Dyson
Authorized Signature

1-18-2006
Date



FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name:	Isaac Construction - Hollingshead	Builder:	Isaac Construction, Inc.
Address:	Lot: 5, Sub: Cobblestone, Plat:	Permitting Office:	
City, State:	, FL 32025-	Permit Number:	
Owner:	Ricky & Anne Hollingshead	Jurisdiction Number:	
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 72.0 kBtu/hr SEER: 11.00
3. Number of units, if multi-family	1	b. N/A	
4. Number of Bedrooms	4	c. N/A	
5. Is this a worst case?	No	13. Heating systems	
6. Conditioned floor area (ft²)	3292 ft²	a. Electric Heat Pump	Cap: 72.0 kBtu/hr HSPF: 6.80
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		b. N/A	
a. U-factor:	Description Area	c. N/A	
(or Single or Double DEFAULT) 7a. (Dble Default)	552.3 ft²	14. Hot water systems	
b. SHGC:	7b. (Clear) 552.3 ft²	a. Electric Resistance	Cap: 50.0 gallons EF: 0.90
(or Clear or Tint DEFAULT)		b. N/A	
8. Floor types		c. Conservation credits	
a. Slab-On-Grade Edge Insulation	R=0.0, 304.0(p) ft	(HR-Heat recovery, Solar	
b. N/A		DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	PT,
9. Wall types		(CF-Ceiling fan, CV-Cross ventilation,	
a. Concrete, Int Insul, Exterior	R=19.0, 1941.7 ft²	HF-Whole house fan,	
b. Frame, Wood, Adjacent	R=13.0, 284.0 ft²	PT-Programmable Thermostat,	
c. N/A		MZ-C-Multizone cooling,	
d. N/A		MZ-H-Multizone heating)	
e. N/A			
10. Ceiling types			
a. Under Attic	R=30.0, 3492.0 ft²		
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 50.0 ft		
b. N/A			

Glass/Floor Area: 0.17

Total as-built points: 43098

Total base points: 43781

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: 12-14-05

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

OWNER/AGENT: [Signature]

DATE: 12-14-05

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: 5, Sub: Cobblestone, Plat: , 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	3292.0	20.04	11874.9	Double, Clear	W	1.5	8.0	30.0	38.52	0.96	1107.3
				Double, Clear	W	1.5	10.0	20.0	38.52	0.98	754.3
				Double, Clear	W	1.5	10.0	63.0	38.52	0.98	2375.9
				Double, Clear	N	1.5	10.0	21.0	19.20	0.98	395.9
				Double, Clear	N	5.5	10.0	21.0	19.20	0.81	328.0
				Double, Clear	N	7.5	10.0	17.8	19.20	0.76	258.6
				Double, Clear	NW	10.0	10.0	49.0	25.97	0.64	812.6
				Double, Clear	W	18.5	10.0	60.0	38.52	0.42	962.2
				Double, Clear	SW	10.5	10.0	21.0	40.16	0.48	405.2
				Double, Clear	W	12.5	10.0	40.0	38.52	0.48	736.4
				Double, Clear	NW	1.5	10.0	21.0	25.97	0.98	535.6
				Double, Clear	N	1.5	10.0	28.0	19.20	0.98	527.8
				Double, Clear	N	1.5	10.0	6.0	19.20	0.98	113.1
				Double, Clear	E	3.5	10.0	4.5	42.06	0.83	158.0
				Double, Clear	E	1.5	10.0	70.0	42.06	0.98	2880.5
				Double, Clear	E	12.5	10.0	40.0	42.06	0.46	779.2
				Double, Clear	S	1.5	8.0	6.0	35.87	0.92	198.7
				Double, Clear	S	1.5	8.0	30.0	35.87	0.92	993.5
				Double, Clear	S	1.5	8.0	4.0	35.87	0.92	132.5
				As-Built Total:			552.3	14455.3			
WALL TYPES				Area X BSPM = Points		Type		R-Value		Area X SPM = Points	
Adjacent		284.0	0.70	198.8	Concrete, Int Insul, Exterior		19.0	1941.7	0.20	388.3	
Exterior		1941.7	1.70	3300.9	Frame, Wood, Adjacent		13.0	284.0	0.60	170.4	
Base Total:		2226.7	3499.7		As-Built Total:		2226.7		558.7		
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		3292.0	1.73	5695.2	Under Attic		30.0	3492.0	1.73 X 1.00	6041.2	
Base Total:		3292.0	5695.2		As-Built Total:		3492.0		6041.2		

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 5, Sub: Cobblestone, Plat: , , FL, 32025-

PERMIT #:

BASE				AS-BUILT			
FLOOR TYPES Area X BSPM = Points				Type	R-Value	Area X SPM = Points	
Slab	304.0(p)	-37.0	-11248.0	Slab-On-Grade Edge Insulation	0.0	304.0(p)	-41.20
Raised	0.0	0.00	0.0				
Base Total: -11248.0				As-Built Total: 304.0 -12524.8			
INFILTRATION Area X BSPM = Points				Area X SPM = Points			
	3292.0	10.21	33611.3			3292.0	10.21
Summer Base Points: 43465.1				Summer As-Built Points: 42173.7			
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
43465.1	0.4266	18542.2		(sys 1: Central Unit 72000 btuh , SEER/EFF(11.0) Ducts:Unc(S),Unc(R),Gar(AH),R8.0(INS)			
				42174	1.00	(1.09 x 1.147 x 1.00)	0.310
				42173.7	1.00	1.250	0.310
							0.950
							15541.7
							15541.7

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 5, Sub: Cobblestone, Plat: , , FL, 32025-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	3292.0	12.74	7549.2	Double, Clear	W	1.5	8.0	30.0	20.73	1.01	628.8
				Double, Clear	W	1.5	10.0	20.0	20.73	1.01	416.9
				Double, Clear	W	1.5	10.0	63.0	20.73	1.01	1313.4
				Double, Clear	N	1.5	10.0	21.0	24.58	1.00	516.2
				Double, Clear	N	5.5	10.0	21.0	24.58	1.01	521.6
				Double, Clear	N	7.5	10.0	17.8	24.58	1.01	443.9
				Double, Clear	NW	10.0	10.0	49.0	24.30	1.02	1220.0
				Double, Clear	W	18.5	10.0	60.0	20.73	1.22	1516.3
				Double, Clear	SW	10.5	10.0	21.0	16.74	1.63	572.2
				Double, Clear	W	12.5	10.0	40.0	20.73	1.19	987.3
				Double, Clear	NW	1.5	10.0	21.0	24.30	1.00	510.0
				Double, Clear	N	1.5	10.0	28.0	24.58	1.00	688.3
				Double, Clear	N	1.5	10.0	6.0	24.58	1.00	147.5
				Double, Clear	E	3.5	10.0	4.5	18.79	1.07	90.1
				Double, Clear	E	1.5	10.0	70.0	18.79	1.01	1332.2
				Double, Clear	E	12.5	10.0	40.0	18.79	1.35	1013.1
				Double, Clear	S	1.5	8.0	6.0	13.30	1.04	83.1
				Double, Clear	S	1.5	8.0	30.0	13.30	1.04	415.3
				Double, Clear	S	1.5	8.0	4.0	13.30	1.04	55.4
				As-Built Total:		552.3			12471.6		
WALL TYPES				Area X BWPM = Points		Type		R-Value	Area X WPM = Points		
Adjacent		284.0	3.60	1022.4		Concrete, Int Insul, Exterior		19.0	1941.7	1.90	3689.2
Exterior		1941.7	3.70	7184.3		Frame, Wood, Adjacent		13.0	284.0	3.30	937.2
Base Total:		2225.7	8206.7		As-Built Total:		2225.7		4626.4		
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		3292.0	2.05	6748.6		Under Attic		30.0	3492.0	2.05 X 1.00	7158.6
Base Total:		3292.0	6748.6		As-Built Total:		3492.0		7158.6		

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 5, Sub: Cobblestone, Plat: , , FL, 32025-

PERMIT #:

BASE				AS-BUILT			
FLOOR TYPES Area X BWPM = Points				Type	R-Value	Area X WPM	= Points
Slab	304.0(p)	8.9	2705.6	Slab-On-Grade Edge Insulation	0.0	304.0(p)	5715.2
Raised	0.0	0.00	0.0				
Base Total:			2705.6	As-Built Total:		304.0	5715.2
INFILTRATION Area X BWPM = Points				Area X WPM = Points			
			3292.0	-0.59	-1942.3		
Winter Base Points:			23427.8		Winter As-Built Points: 28189.5		
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier	X System Multiplier	X Credit Multiplier = Heating Points
(sys 1: Electric Heat Pump 72000 btuh ,EFF(6.8) Ducts:Unc(S),Unc(R),Gar(AH),R6.0							
			28189.5	1.000	(1.069 x 1.169 x 1.00)	0.501	0.950 16782.2
23427.8	0.6274	14698.6	28189.5	1.00	1.250	0.501	0.950 16782.2

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

ADDRESS: Lot: 5, Sub: Cobblestone, Plat: , , FL, 32025-

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
4		2635.00		10540.0	50.0	0.90	4		1.00	2693.56
					As-Built Total:					10774.2

CODE COMPLIANCE STATUS									
BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	Cooling Points	+	Heating Points	+	Hot Water Points = Total Points
18542		14699		10540 43781	15542		16782		10774 43098

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 5, Sub: Cobblestone, Plat: , , 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.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 83.5

The higher the score, the more efficient the home.

Ricky & Anne Hollingshead, Lot: 5, Sub: Cobblestone, Plat: , , FL, 32025-

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 72.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 11.00
4. Number of Bedrooms	4	___	b. N/A	___
5. Is this a worst case?	No	___	c. N/A	___
6. Conditioned floor area (ft ²)	3292 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: 72.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 552.3 ft ²	___		HSPF: 6.80
b. SHGC:		___	b. N/A	___
(or Clear or Tint DEFAULT)	7b. (Clear) 552.3 ft ²	___	c. N/A	___
8. Floor types		___	14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 304.0(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. Concrete, Int Insul, Exterior	R=19.0, 1941.7 ft ²	___	(HR-Heat recovery, Solar	___
b. Frame, Wood, Adjacent	R=13.0, 284.0 ft ²	___	DHP-Dedicated heat pump)	___
c. N/A	___	___	15. HVAC credits	PT, ___
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, 3492.0 ft ²	___	MZ-C-Multizone cooling,	___
b. N/A	___	___	MZ-H-Multizone heating)	___
c. N/A	___	___		___
11. Ducts		___		___
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 50.0 ft	___		___
b. N/A	___	___		___

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

Builder Signature: _____

Date: _____

Address of New Home: _____

City/FL Zip: _____



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

Residential System Sizing Calculation

Summary

Ricky & Anne Hollingshead

Project Title:
Isaac Construction - Hollingshead

Code Only
Professional Version
Climate: North

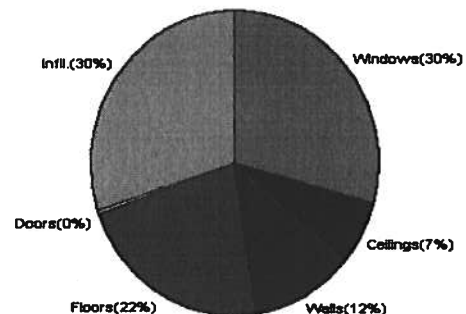
12/14/2005

Location for weather data: Gainesville - User customized: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (79F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	99 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	24 F
Total heating load calculation	60124 Btuh	Total cooling load calculation	79806 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	119.8 72000	Sensible (SHR = 0.75)	84.2 54000
Heat Pump + Auxiliary(0.0kW)	119.8 72000	Latent	115.1 18000
		Total (Electric Heat Pump)	90.2 72000

WINTER CALCULATIONS

Winter Heating Load (for 3292 sqft)

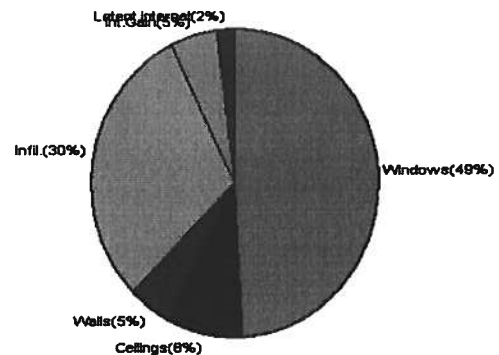
Load component		Load	
Window total	552 sqft	17779	Btuh
Wall total	2226 sqft	6920	Btuh
Door total	20 sqft	259	Btuh
Ceiling total	3492 sqft	4115	Btuh
Floor total	304 sqft	13273	Btuh
Infiltration	439 cfm	17780	Btuh
Duct loss		0	Btuh
Subtotal		60124	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		60124	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 3292 sqft)

Load component		Load	
Window total	552 sqft	39127	Btuh
Wall total	2226 sqft	3906	Btuh
Door total	20 sqft	245	Btuh
Ceiling total	3492 sqft	6561	Btuh
Floor total		0	Btuh
Infiltration	384 cfm	10091	Btuh
Internal gain		4240	Btuh
Duct gain		0	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		64170	Btuh
Latent gain(ducts)		0	Btuh
Latent gain(infiltration)		14036	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		1600	Btuh
Total latent gain		15636	Btuh
TOTAL HEAT GAIN		79806	Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: _____

DATE: _____

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Ricky & Anne Hollingshead

Project Title:
Isaac Construction - Hollingshead

Code Only
Professional Version
Climate: North

, FL 32025-

Reference City: Gainesville (User customized) Winter Temperature Difference: 37.0 F

12/14/2005

Component Loads for 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	20.0		32.2	644 Btuh
3	2, Clear, Metal, 0.87	W	63.0		32.2	2028 Btuh
4	2, Clear, Metal, 0.87	N	21.0		32.2	676 Btuh
5	2, Clear, Metal, 0.87	N	21.0		32.2	676 Btuh
6	2, Clear, Metal, 0.87	N	17.8		32.2	573 Btuh
7	2, Clear, Metal, 0.87	NW	49.0		32.2	1577 Btuh
8	2, Clear, Metal, 0.87	W	60.0		32.2	1931 Btuh
9	2, Clear, Metal, 0.87	SW	21.0		32.2	676 Btuh
10	2, Clear, Metal, 0.87	W	40.0		32.2	1288 Btuh
11	2, Clear, Metal, 0.87	NW	21.0		32.2	676 Btuh
12	2, Clear, Metal, 0.87	N	28.0		32.2	901 Btuh
13	2, Clear, Metal, 0.87	N	6.0		32.2	193 Btuh
14	2, Clear, Metal, 0.87	E	4.5		32.2	145 Btuh
15	2, Clear, Metal, 0.87	E	70.0		32.2	2253 Btuh
16	2, Clear, Metal, 0.87	E	40.0		32.2	1288 Btuh
17	2, Clear, Metal, 0.87	S	6.0		32.2	193 Btuh
18	2, Clear, Metal, 0.87	S	30.0		32.2	966 Btuh
19	2, Clear, Metal, 0.87	S	4.0		32.2	129 Btuh
Window Total			552(sqft)			17779 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Concrete Blk,Hollow - Ext(0.08)	19.0	1942		3.1	5987 Btuh
2	Frame - Wood - Adj(0.09)	13.0	284		3.3	933 Btuh
Wall Total			2226			6920 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Adjacent		20		12.9	259 Btuh
Door Total			20			259Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	3492		1.2	4115 Btuh
Ceiling Total			3492			4115Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	304.0	ft(p)	43.7	13273 Btuh
Floor Total			304			13273 Btuh
Zone Envelope Subtotal:						42345 Btuh
Infiltration	Type	ACH X	Zone Volume		CFM=	
	Natural	0.80	32920		438.9	17780 Btuh
Ductload	Unsealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					60124 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Ricky & Anne Hollingshead

Project Title:

Code Only

Isaac Construction - Hollingshead

Professional Version

Climate: North

, FL 32025-

12/14/2005

WHOLE HOUSE TOTALS

	Subtotal Sensible	60124 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	60124 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

Ricky & Anne Hollingshead

Project Title:
Isaac Construction - Hollingshead

Code Only
Professional Version
Climate: North

, FL 32025-

Reference City: Gainesville (User customized) Winter Temperature Difference: 37.0 F

12/14/2005

Component Loads for Zone #1: Main

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	20.0		32.2	644 Btuh
3	2, Clear, Metal, 0.87	W	63.0		32.2	2028 Btuh
4	2, Clear, Metal, 0.87	N	21.0		32.2	676 Btuh
5	2, Clear, Metal, 0.87	N	21.0		32.2	676 Btuh
6	2, Clear, Metal, 0.87	N	17.8		32.2	573 Btuh
7	2, Clear, Metal, 0.87	NW	49.0		32.2	1577 Btuh
8	2, Clear, Metal, 0.87	W	60.0		32.2	1931 Btuh
9	2, Clear, Metal, 0.87	SW	21.0		32.2	676 Btuh
10	2, Clear, Metal, 0.87	W	40.0		32.2	1288 Btuh
11	2, Clear, Metal, 0.87	NW	21.0		32.2	676 Btuh
12	2, Clear, Metal, 0.87	N	28.0		32.2	901 Btuh
13	2, Clear, Metal, 0.87	N	6.0		32.2	193 Btuh
14	2, Clear, Metal, 0.87	E	4.5		32.2	145 Btuh
15	2, Clear, Metal, 0.87	E	70.0		32.2	2253 Btuh
16	2, Clear, Metal, 0.87	E	40.0		32.2	1288 Btuh
17	2, Clear, Metal, 0.87	S	6.0		32.2	193 Btuh
18	2, Clear, Metal, 0.87	S	30.0		32.2	966 Btuh
19	2, Clear, Metal, 0.87	S	4.0		32.2	129 Btuh
Window Total			552(sqft)			17779 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Concrete Blk, Hollow - Ext(0.08)	19.0	1942		3.1	5987 Btuh
2	Frame - Wood - Adj(0.09)	13.0	284		3.3	933 Btuh
Wall Total			2226			6920 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	3492		1.2	4115 Btuh
Ceiling Total			3492			4115 Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	304.0 ft(p)		43.7	13273 Btuh
Floor Total			304			13273 Btuh
Zone Envelope Subtotal:						42345 Btuh
Infiltration	Type	ACH X	Zone Volume		CFM=	
	Natural	0.80	32920		438.9	17780 Btuh
Ductload	Unsealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					60124 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Ricky & Anne Hollingshead

Project Title:

Code Only

Isaac Construction - Hollingshead

Professional Version

Climate: North

, FL 32025-

12/14/2005

WHOLE HOUSE TOTALS

	Subtotal Sensible Ventilation Sensible Total Btuh Loss	60124 Btuh 0 Btuh 60124 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

Ricky & Anne Hollingshead

Project Title:

Code Only

Isaac Construction - Hollingshead

Professional Version

, FL 32025-

Climate: North

Reference City: Gainesville (User customized)

Summer Temperature Difference: 24.0 F

12/14/2005

Component Loads for Whole House

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load				
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded					
1	2, Clear, 0.87, None,N,N	W	1.5ft	8ft.	30.0	0.0	30.0	35	86	2568 Btuh				
2	2, Clear, 0.87, None,N,N	W	1.5ft	10ft.	20.0	0.0	20.0	35	86	1712 Btuh				
3	2, Clear, 0.87, None,N,N	W	1.5ft	10ft.	63.0	0.0	63.0	35	86	5393 Btuh				
4	2, Clear, 0.87, None,N,N	N	1.5ft	10ft.	21.0	0.0	21.0	35	35	736 Btuh				
5	2, Clear, 0.87, None,N,N	N	5.5ft	10ft.	21.0	0.0	21.0	35	35	736 Btuh				
6	2, Clear, 0.87, None,N,N	N	7.5ft	10ft.	17.8	0.0	17.8	35	35	624 Btuh				
7	2, Clear, 0.87, None,N,N	NW	10ft.	10ft.	49.0	0.0	49.0	35	66	3240 Btuh				
8	2, Clear, 0.87, None,N,N	W	18.5f	10ft.	60.0	60.0	0.0	35	86	2103 Btuh				
9	2, Clear, 0.87, None,N,N	SW	10.5f	10ft.	21.0	21.0	0.0	35	69	736 Btuh				
10	2, Clear, 0.87, None,N,N	W	12.5f	10ft.	40.0	40.0	0.0	35	86	1402 Btuh				
11	2, Clear, 0.87, None,N,N	NW	1.5ft	10ft.	21.0	0.0	21.0	35	66	1389 Btuh				
12	2, Clear, 0.87, None,N,N	N	1.5ft	10ft.	28.0	0.0	28.0	35	35	981 Btuh				
13	2, Clear, 0.87, None,N,N	N	1.5ft	10ft.	6.0	0.0	6.0	35	35	210 Btuh				
14	2, Clear, 0.87, None,N,N	E	3.5ft	10ft.	4.5	0.0	4.5	35	86	385 Btuh				
15	2, Clear, 0.87, None,N,N	E	1.5ft	10ft.	70.0	0.0	70.0	35	86	5992 Btuh				
16	2, Clear, 0.87, None,N,N	E	12.5f	10ft.	40.0	40.0	0.0	35	86	1402 Btuh				
17	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	6.0	6.0	0.0	35	40	210 Btuh				
18	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	30.0	30.0	0.0	35	40	1052 Btuh				
19	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	4.0	4.0	0.0	35	40	140 Btuh				
	Excursion									8113 Btuh				
	Window Total				552 (sqft)					39127 Btuh				
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load				
1	Concrete Blk,Hollow - Ext		19.0/0.08		1941.7			1.7		3301 Btuh				
2	Frame - Wood - Adj		13.0/0.09		284.0			2.1		605 Btuh				
	Wall Total				2226 (sqft)					3906 Btuh				
Doors	Type				Area (sqft)			HTM		Load				
1	Insulated - Adjacent				20.0			12.3		245 Btuh				
	Door Total				20 (sqft)					245 Btuh				
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load				
1	Vented Attic/DarkShingle		30.0		3492.0			1.9		6561 Btuh				
	Ceiling Total				3492 (sqft)					6561 Btuh				
Floors	Type		R-Value		Size			HTM		Load				
1	Slab On Grade		0.0		304 (ft(p))			0.0		0 Btuh				
	Floor Total				304.0 (sqft)					0 Btuh				
	Zone Envelope Subtotal:									49839 Btuh				
Infiltration	Type		ACH		Volume(cuft)			CFM=		Load				
	SensibleNatural		0.70		32920			384.1		10091 Btuh				
Internal gain			Occupants		Btuh/occupant			Appliance		Load				
			8		X 230 +			2400		4240 Btuh				
Duct load	Unsealed, R6.0, Supply(Attic), Return(Attic) DGM = 0.00									0.0 Btuh				
	Sensible Zone Load									64170 Btuh				

Manual J Summer Calculations

Residential Load - Component Details (continued)

Ricky & Anne Hollingshead

Project Title:

Isaac Construction - Hollingshead

Code Only

Professional Version

Climate: North

, FL 32025-

12/14/2005

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	64170 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	64170 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	64170 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	14036 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	15636 Btuh
	TOTAL GAIN	79806 Btuh

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

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

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

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

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

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

(Ornt - compass orientation)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Ricky & Anne Hollingshead

Project Title:
Isaac Construction - Hollingshead

Code Only
Professional Version
Climate: North

, FL 32025-

Reference City: Gainesville (User customized) Summer Temperature Difference: 24.0 F 12/14/2005

Component Loads for Zone #1: Main

Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	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	35	86	2568	Btuh
2	2, Clear, 0.87, None,N,N	W	1.5ft	10ft.	20.0	0.0	20.0	35	86	1712	Btuh
3	2, Clear, 0.87, None,N,N	W	1.5ft	10ft.	63.0	0.0	63.0	35	86	5393	Btuh
4	2, Clear, 0.87, None,N,N	N	1.5ft	10ft.	21.0	0.0	21.0	35	35	736	Btuh
5	2, Clear, 0.87, None,N,N	N	5.5ft	10ft.	21.0	0.0	21.0	35	35	736	Btuh
6	2, Clear, 0.87, None,N,N	N	7.5ft	10ft.	17.8	0.0	17.8	35	35	624	Btuh
7	2, Clear, 0.87, None,N,N	NW	10ft.	10ft.	49.0	0.0	49.0	35	66	3240	Btuh
8	2, Clear, 0.87, None,N,N	W	18.5f	10ft.	60.0	60.0	0.0	35	86	2103	Btuh
9	2, Clear, 0.87, None,N,N	SW	10.5f	10ft.	21.0	21.0	0.0	35	69	736	Btuh
10	2, Clear, 0.87, None,N,N	W	12.5f	10ft.	40.0	40.0	0.0	35	86	1402	Btuh
11	2, Clear, 0.87, None,N,N	NW	1.5ft	10ft.	21.0	0.0	21.0	35	66	1389	Btuh
12	2, Clear, 0.87, None,N,N	N	1.5ft	10ft.	28.0	0.0	28.0	35	35	981	Btuh
13	2, Clear, 0.87, None,N,N	N	1.5ft	10ft.	6.0	0.0	6.0	35	35	210	Btuh
14	2, Clear, 0.87, None,N,N	E	3.5ft	10ft.	4.5	0.0	4.5	35	86	385	Btuh
15	2, Clear, 0.87, None,N,N	E	1.5ft	10ft.	70.0	0.0	70.0	35	86	5992	Btuh
16	2, Clear, 0.87, None,N,N	E	12.5f	10ft.	40.0	40.0	0.0	35	86	1402	Btuh
17	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	6.0	6.0	0.0	35	40	210	Btuh
18	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	30.0	30.0	0.0	35	40	1052	Btuh
19	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	4.0	4.0	0.0	35	40	140	Btuh
	Excursion									8113	Btuh
	Window Total				552 (sqft)					39127 Btuh	
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load	
1	Concrete Blk,Hollow - Ext		19.0/0.08		1941.7			1.7		3301	Btuh
2	Frame - Wood - Adj		13.0/0.09		284.0			2.1		605	Btuh
	Wall Total				2226 (sqft)					3906 Btuh	
Doors	Type		R-Value		Area (sqft)			HTM		Load	
1	Insulated - Adjacent				20.0			12.3		245	Btuh
	Door Total				20 (sqft)					245 Btuh	
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle		30.0		3492.0			1.9		6561	Btuh
	Ceiling Total				3492 (sqft)					6561 Btuh	
Floors	Type		R-Value		Size			HTM		Load	
1	Slab On Grade		0.0		304 (ft(p))			0.0		0	Btuh
	Floor Total				304.0 (sqft)					0 Btuh	
	Zone Envelope Subtotal:									49839 Btuh	
Infiltration	Type		ACH		Volume(cuft)			CFM=		Load	
	SensibleNatural		0.70		32920			384.1		10091	Btuh
Internal gain			Occupants		Btuh/occupant			Appliance		Load	
			8		X 230 +			2400		4240	Btuh
Duct load	Unsealed, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh	
	Sensible Zone Load									64170 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Ricky & Anne Hollingshead

Project Title:
Isaac Construction - Hollingshead

Code Only
Professional Version
Climate: North

, FL 32025-

12/14/2005

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	64170 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	64170 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	64170 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	14036 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	15636 Btuh
	TOTAL GAIN	79806 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

Ricky & Anne Hollingshead

Project Title:
Isaac Construction - Hollingshead

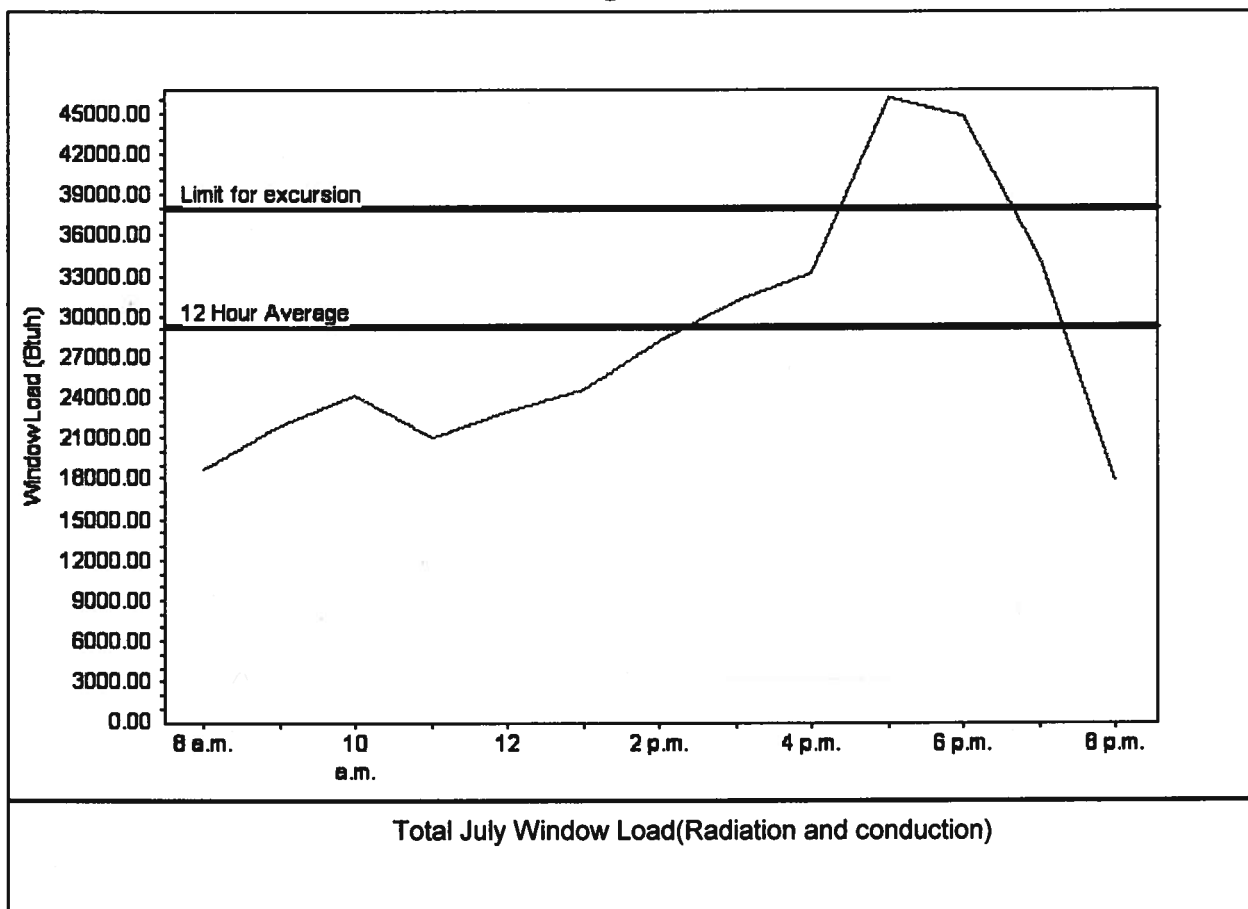
Code Only
Professional Version
Climate: North

12/14/2005

Weather data for: Gainesville - User customized

Summer design temperature	99 F	Average window load for July	29251 Btu
Summer setpoint	75 F	Peak window load for July	46140 Btu
Summer temperature difference	24 F	Excursion limit(130% of Ave.)	38027 Btu
Latitude	29 North	Window excursion (July)	8113 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



FROM :

FAX NO. : 386-755-7022

Sep. 17 2002 01:52PM P1

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS



DONALD AND MARY HALL
OWNERS

PHONE (904) 752-1334

FAX (904) 755-7022

~~XXXXXXXXXXXXXXXXXXXX~~
LAKE CITY, FLORIDA 32055

904 NW Main Blvd.

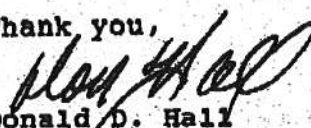
June 12, 2002

NOTICE TO ALL CONTRACTORS

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

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

Thank you,


Donald D. Hall
DDH/jk



FEB - 4 REC'D

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.

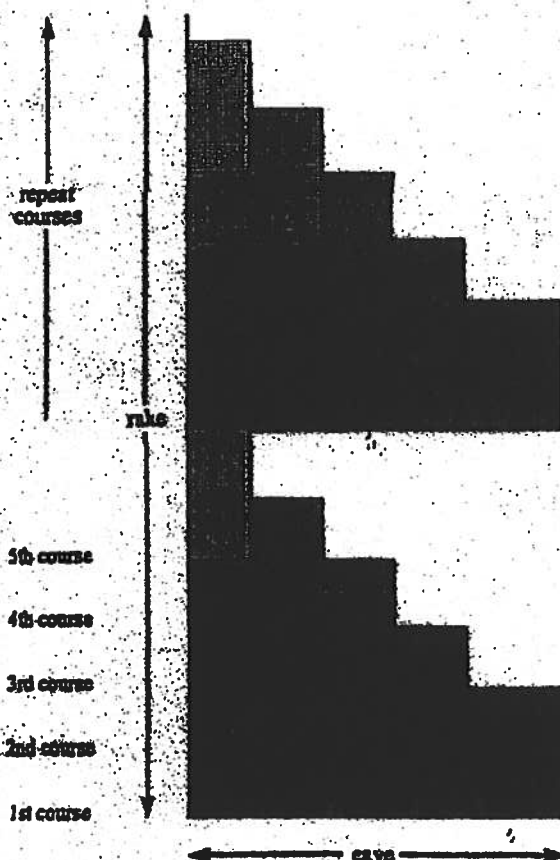
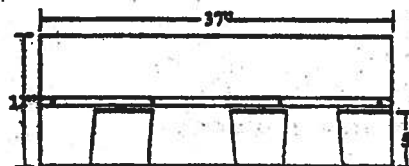
TAMKO Roofing Products, Inc.

CORPORATE HEADQUARTERS
220 W. FOURTH STREET P.O. BOX 1404 JOPLIN, MO 64802-1404 800-641-4691 FAX 800-641-1925



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 ridges.

PLYWOOD: All plywood shall be exterior grade as defined by the American Plywood Association. Plywood shall be a minimum of 3/8 in. thick 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.

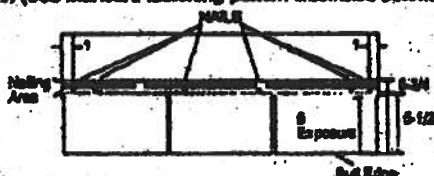
Correct placement of the fasteners is critical to this performance of the shingle. If the fasteners are not placed as shown in the diagrams and described below, TAMKO will not be responsible for any shingles blown off or displaced. TAMKO will not be responsible for damage to shingles caused by winds 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 8-3/4" 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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Southeast District	2300 35th St., Tuscaloosa, AL 35401	800-228-2886
Southwest District	7910 S. Central Exp., Dallas, TX 75216	800-443-1834
Western District	6300 East 43rd Ave., Denver, CO 80216	800-530-8888

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 3.25 piece and applied to shingles with a 5 in. exposure, use 5 fasteners per shingle. See Section 3 for the Mansard Fastening Pattern.

E. 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.

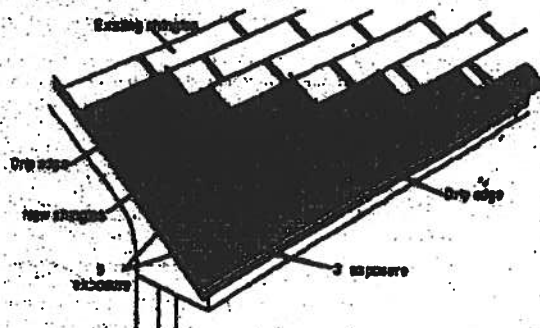
If re-roofing over an existing roof where new flashing is required to protect against ice dams (freeze/thaw cycle of water and/or the backup of water in frozen or clogged gutters), remove the old roofing to a point at least 24 in. beyond the interior wall line and apply TAMKO's Moisture Guard Plus® waterproofing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

The nailing pattern described below is the preferred method for re-roofing over square tab 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. tab 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 2.

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 shingles 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.

F. VALLEY APPLICATION

Over the shingle underlayment, center a 36 in. wide sheet of TAMKO Nail-Past® or a minimum 60 lb. re-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 5 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 nester 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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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.

19. 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.

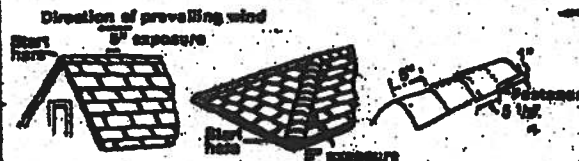
TAMKO recommends the use of TAMKO Hip & Ridge shingle products. Where matching colors are available, it is acceptable to use TAMKO's Glass-Seal or Elite Glass-Seal shingles cut down to 12 in. pieces.

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 WHEN 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

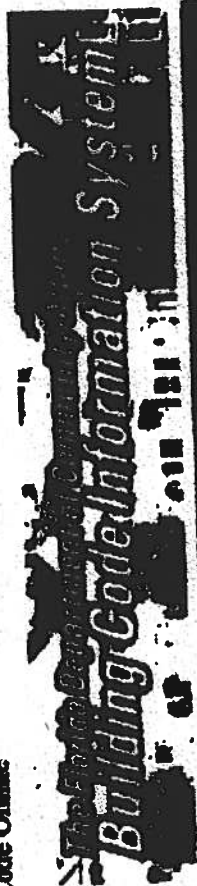
In this paragraph "You" and "Your" refer to the installer of the shingles and the owner of the building on which these shingles will be installed. This is a legally binding agreement between You and TAMKO Roofing Products, Inc. ("TAMKO"). By opening this bundle You agree: (a) to install the shingles 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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07/01



FLORIDA BUILDING CODE

Overview User Organization Registration Approval Status Organization Search Organization Activation

Select the organization type, status, or name to find an organization

Organization Type: Product Manufacturer

Approval Status: (ALL)



Organization Name: General American Door - Product Manufacturer

Cancel

Search

Result List for Organizations

Displaying 1-1 of 1

Name	City	Contact	Phone	Type	Expire	Status
General American Door	Montgomery	James Campbell	6308591000	Product Manufacturer	01/01/2009	Approved
Org Code: FEM System ID: 3385 Site Link: www.gadec.com						

Displaying 1-1 of 1

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http://www.floridabuilding.org/Commerce/eq_reg_reg_SACH.asp

6/21/2004

1001

WADCO FLORIDA

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4. VIBRONS MAY BE INSTALLED IN THE TOP SECTION, (AS TESTED WITH 1/8" BOB GLASS OR EQUIVALENT) OR IN THE SECTION IMMEDIATELY BELOW THE TOP SECTION, SECTION.

- A**

12 GA. AND BRACKETS, MAXIMUM SPACING = 19-1/2" WITH LOWEST BRACKET APPROX. 3" FROM FLOOR, 2ND BRACKET NEAR THE HORIZONTAL 6 OF THE BOTTOM SECTION, AND 3RD BRACKET NEAR THE TOP OF THE BOTTOM SECTION.

REPORT No. 2202

TEST REPORTS IN FILE VIDEO 10/19/08 002933

DESIGN LOAD	+20.0 PSF &	-20.0 PSF
TEST LOAD	+30.0 PSF &	-30.0 PSF

CAUTION: WILDFIRES

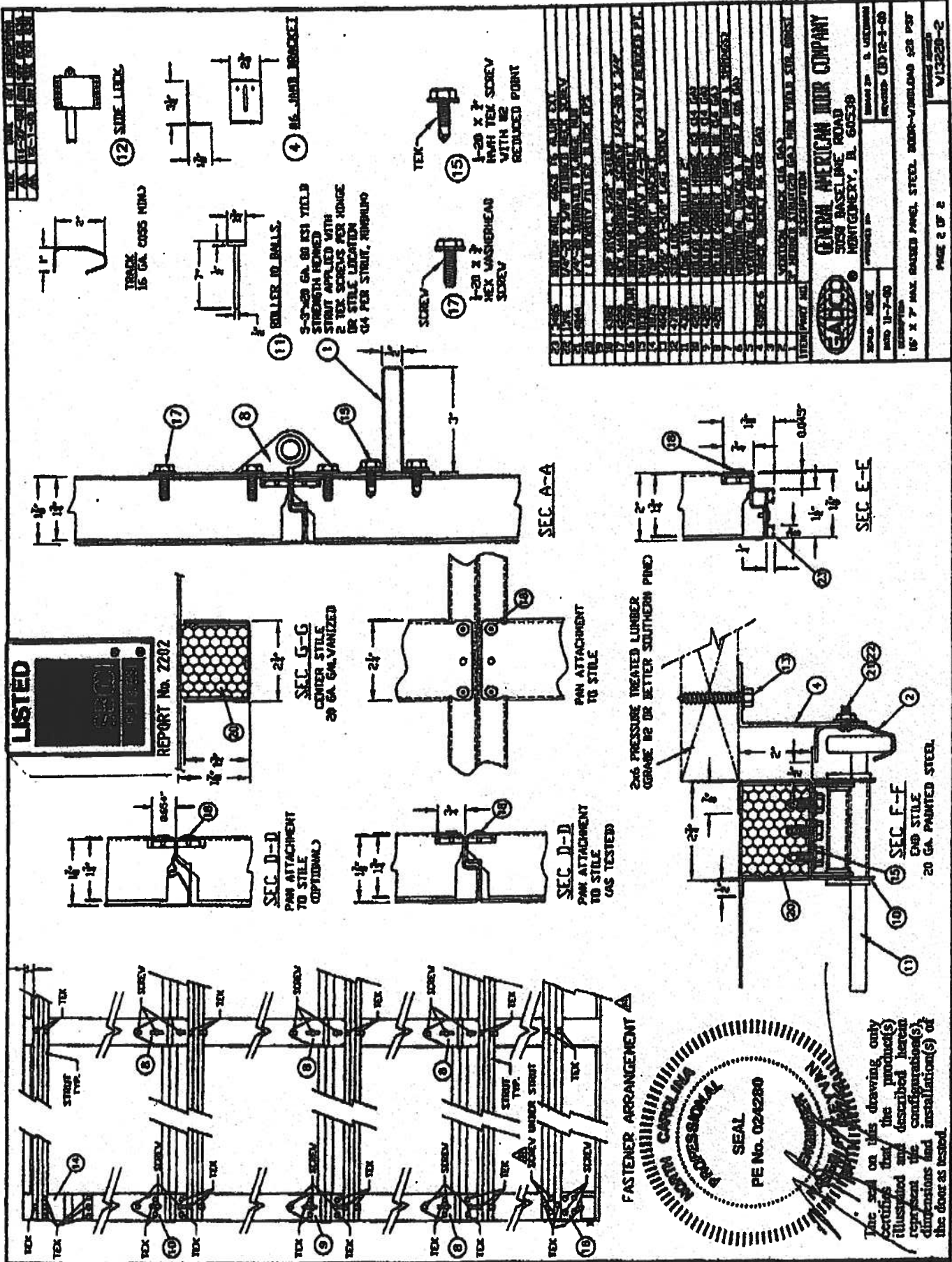
GAUCHI BUILDS
 SERIES 7400, EXTERIOR STEEL = .017 MIN GAS TESTED
 SERIES 7025, EXTERIOR STEEL = .019" MIN Δ
 SERIES 7524, EXTERIOR STEEL = .024" MIN Δ

STUDY, EXERCISE, AND

MAXIMUM DOOR WIDTH	MAXIMUM DOOR HEIGHT	TYPICAL CTR. STILE SPACING	STROPS		VERTICAL TRACK
			SIZE	QTY.	
16'	7'	23"	3'	5	2 IN.

2. 2014年12月

WT3220-1

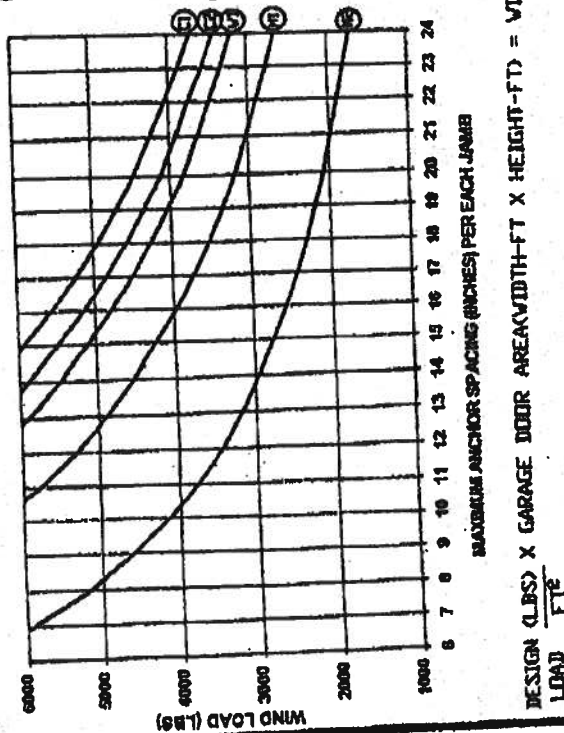


2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

2x6 PRESSURE TREATED (GRADE #2 OR BETTER SOUTHERN PINE) WOOD JAMB SHALL BE ANCHORED TO BUILDING WOOD FRAME, GROUTED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS.

NOTES:

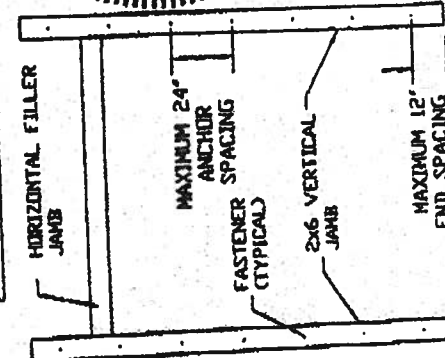
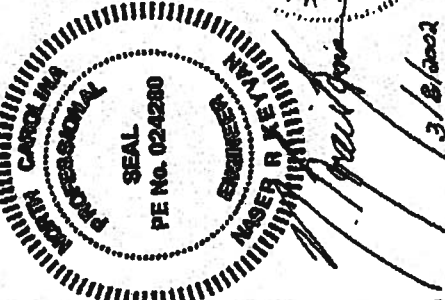
- 1) ALL DOOR OPENING SURROUNDING STRUCTURE TO BE DESIGNED BY REGISTERED ENGINEER OR ARCHITECT WITH DUE CONSIDERATION GIVEN TO INSTALLATIONS USING CENTER "HURRICANE" POSTS.
- 2) ALL DOOR OPENING STRUCTURE AND FASTENERS TO COMPLY WITH ALL APPLICABLE CODES INCLUDING SBCI "STANDARD FOR HURRICANE RESISTANT RESIDENTIAL CONSTRUCTION" SSTB 10, CURRENT EDITION.
- 3) ALL FASTENERS TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, INSTRUCTIONS AND RECOMMENDATIONS.
- 4) WOOD FRAME BUILDINGS STUDS AT EACH SIDE OF DOOR OPENING SHALL BE PROPERLY DESIGNED, CONNECTED, ANCHORED AND SHALL CONSIST OF A MINIMUM OF THREE (3) LAMINATIONS OF 2x6 PRESSURE TREATED SOUTHERN PINE (#2 GRADE OR BETTER) WALL STUDS CONTINUOUS FROM FOOTING TO DOUBLE TOP PLATE.
- 5) REINFORCED CHU OR CONCRETE, 2x6 WOOD JAMB SHALL BE ANCHORED TO SOLIDLY GROUTED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS. ANCHOR SPACING AND EMBEDMENT IS BASED ON CONCRETE MASONRY UNITS COMPLYING WITH ASTM C90 WITH A MINIMUM NET AREA COMPRESSIVE STRENGTH OF 2500 PSI. GROUT WITH A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI. REINFORCED CONCRETE COLUMNS WITH A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.
- 6) EMBEDMENTS LISTED ARE THE MINIMUM ALLOWABLE EMBEDMENTS.
- 7) ANCHORS FOR CONCRETE AND CONCRETE MASONRY UNITS CMU SHALL HAVE A MINIMUM 3" EDGE DISTANCE FROM ALL EDGES OF CONCRETE OR CONCRETE MASONRY UNITS. ANCHORS FOR CONCRETE AND CHU SHALL HAVE A MINIMUM SPACING OF 3-3/4".
- 8) LAG SCREWS SHALL BE CENTERED IN ONE OF THE 1-1/2" DIMENSION FACES OF THE TRIPLE 2x6 WALL STUDS.
- 9) WASHERS ARE REQUIRED ON ALL FASTENERS.
- 10) THE WIND LOAD VS. ANCHOR SPACING CHART IS FOR A MAXIMUM DOOR SIZE OF 18' X 8' AT A MAXIMUM 42 PSF DESIGN WIND LOAD.
- 11) FOR THE UPPER THREE INDIVIDUAL STEEL JAMB BRACKETS, BRACKETS SHALL BE CENTERED BETWEEN THE TWO CLOSEST 2x6 WOOD JAMB ANCHORS. IF THE STEEL JAMB BRACKET IS NOT CENTERED BETWEEN THE TWO CLOSEST 2x6 WOOD JAMB ANCHORS, AND AN ADDITIONAL 2x6 WOOD JAMB ANCHOR NEAR THAT STEEL BRACKET TO INSURE THAT THE LOAD FROM THE STEEL BRACKET IS EQUALLY TRANSFERRED TO TWO WOOD JAMB ANCHORS.

WIND LOAD vs ANCHOR SPACING**EXAMPLE**

20 LBS X 06 FT WIDE X 8 FT HIGH = 3840 LBS

- ① USE 22" SPACING
- ② USE 21" SPACING
- ③ USE 19" SPACING

SEE NOTE 11 FOR ADDITIONAL REQUIREMENTS 2x6 WOOD JAMB ANCHORS



GENERAL AMERICAN DOOR COMPANY	
5400 BASELINE ROAD MONTGOMERY, IL 60538	
SALES & SERVICE	OFFICE IN
SALES & SERVICE	SALES & SERVICE
JAMB TO STRUCTURE ATTACHMENT FOR WIND LOADED GARAGE DOORS	
PROJECT NUMBER AUG560	

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

Rendered to:

MI HOME PRODUCTS, INC.

**SERIES/MODEL: 650 Fm
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



II

Architectural Testing

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

Rendered to

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

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

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

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

Test Specimen Description:

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

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

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

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

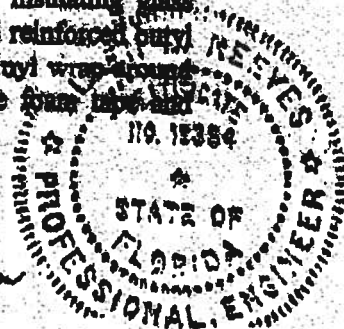
Screen Size: 4' 0-1/4" wide by 2' 11-1/8" high

Finish: All aluminum was white.

Glazing Details: The active and fixed lites utilized 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 G. Ramm
1 APRIL 2002



III

Test Specimen Description: (Continued)

Weatherstripping:

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

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

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

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

Hardware:

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

Allen H. Reeves
1 APRIL 2002



Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

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

Test Results:

The results are tabulated as follows:

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

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

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

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

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

Allen H. Reeves
1 APRIL 2002



Test Specimen Description: (Continued)

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

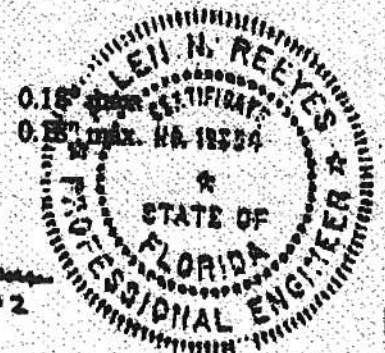
Optional Performance

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

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

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

Allen N. Reeves
1 APRIL 2002



VI

01-41134.01
Page 5 of 5

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:



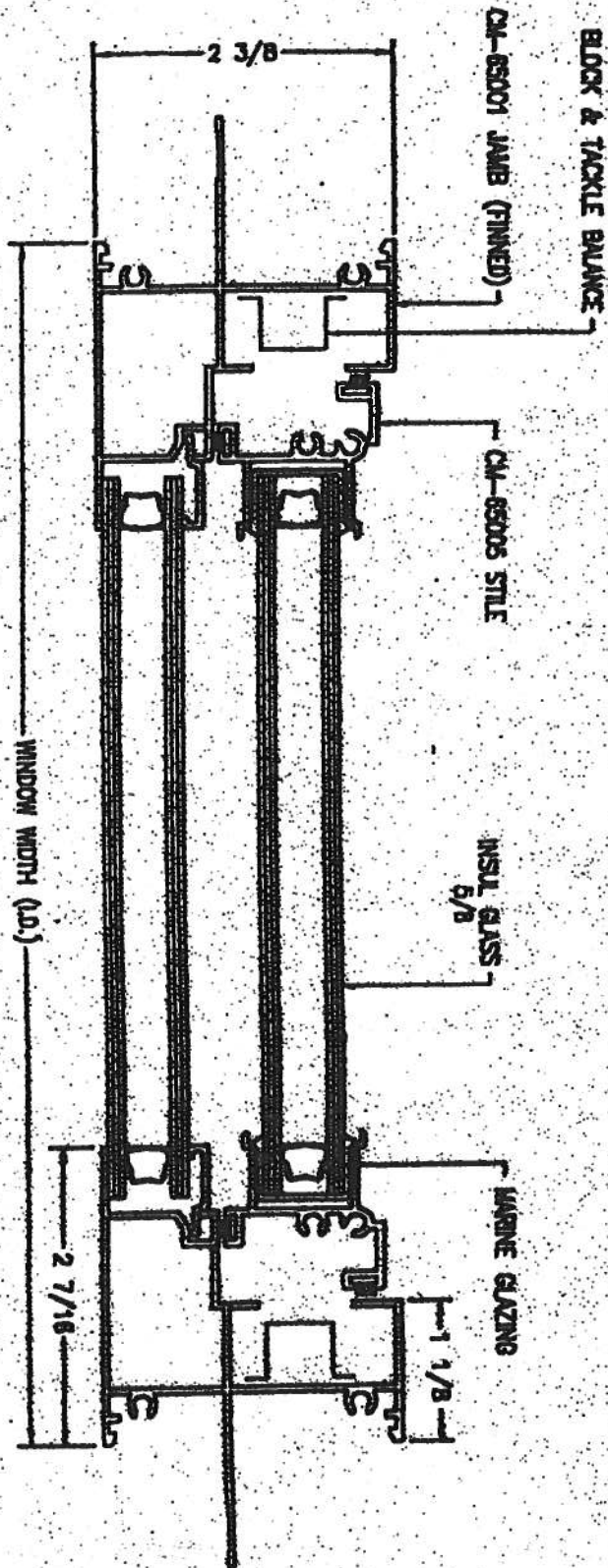
Mark A. Hess
Technician

MAH:nib
01-41134.01



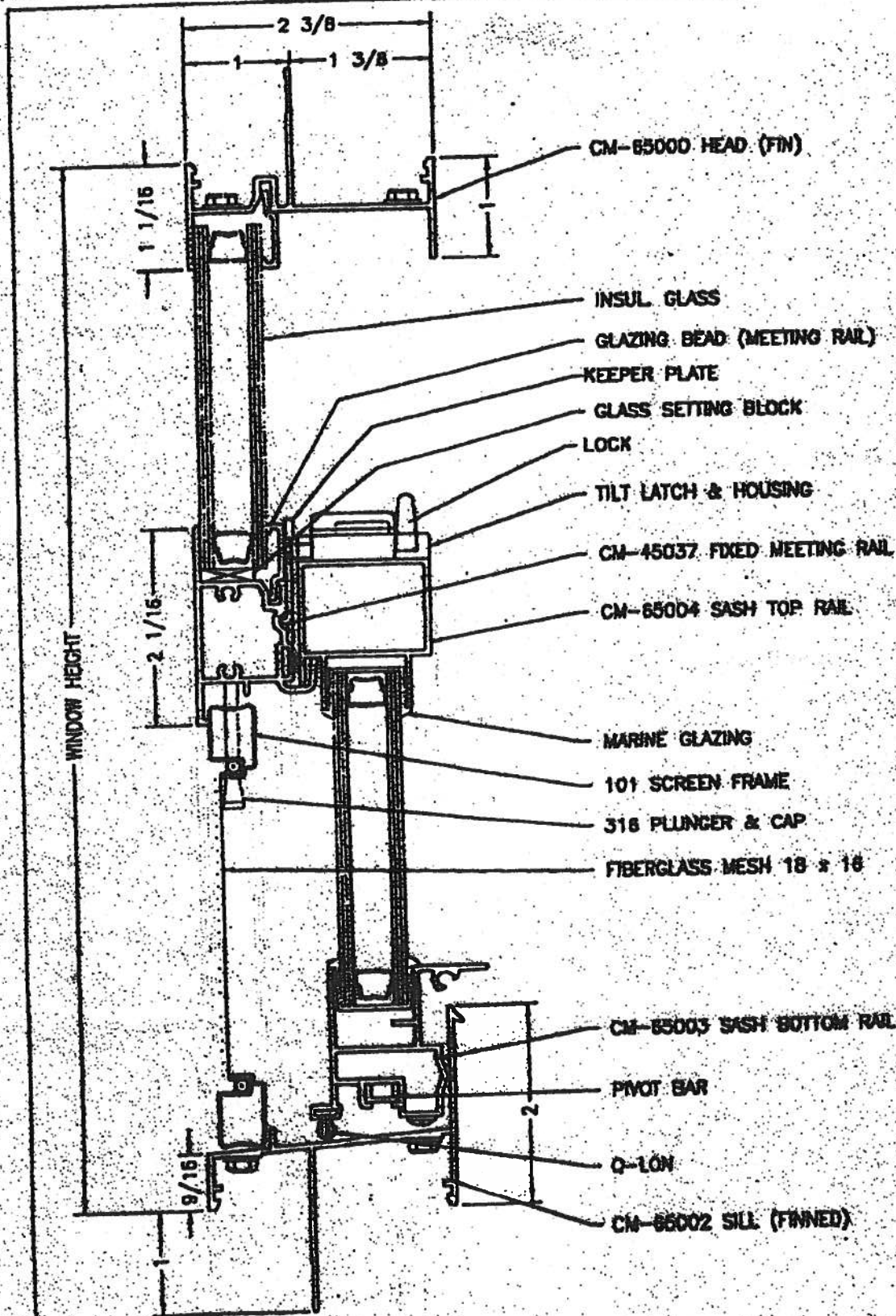
Allen N. Reeves, P.E.
Director - Engineering Services
1 APRIL 2002





MI HOME PRODUCTS		850 WEST WOODLEY STREET • GAITHERSBURG, MD • 20878-0070	
650 SH FIN JAMB FRAME INSULATED		GLASS HORIZONTAL CROSS SECTION	
DATE	REV	DATE	REV
4-7-02	1	FULL	1
650-AS2		8	

650-AS2 B



650-AS1 A



MI HOME PRODUCTS

650 WEST MARKET STREET • CHRYL, PA • 17030-0370

TITLE

650 SH FIN MAIN FRAME
VERTICAL CROSS SECTION

Y.M.R.

4-7-82

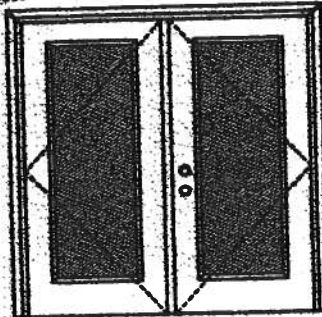
FULL

650-AS1

A

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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

Double Door
Maximum unit size = 6'0" 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 pressures and impact resistance 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-MA0012-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0002-02.

APPROVED DOOR STYLES: 1/4 GLASS:



100 Series



125, 135 Series



135 Series



680 Series



822 Series

1/2 GLASS:



105 Series*



106, 160 Series*



129 Series*



200 Series*



12 RA, 25 RA, 34 RA 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.

Johnson
EntrySystems

March 29, 2002
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Masonite
Masonite International Corporation

XX

Glazed Outswing Unit

COP-VL JH4162-02

WOOD-EDGE STEEL DOORS**APPROVED DOOR STYLES:****3/4 GLASS:**

404 Series



410 Series



450 Series

FULL GLASS:

100 Series

114, 120, 122
Series

152 Series



140 Series



900 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1884-5, 6, 7, 8; NCTL 210-2178-1, 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 and 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 bumper 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 Balhazor, P.E. - License Number 56533

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Entrysystems

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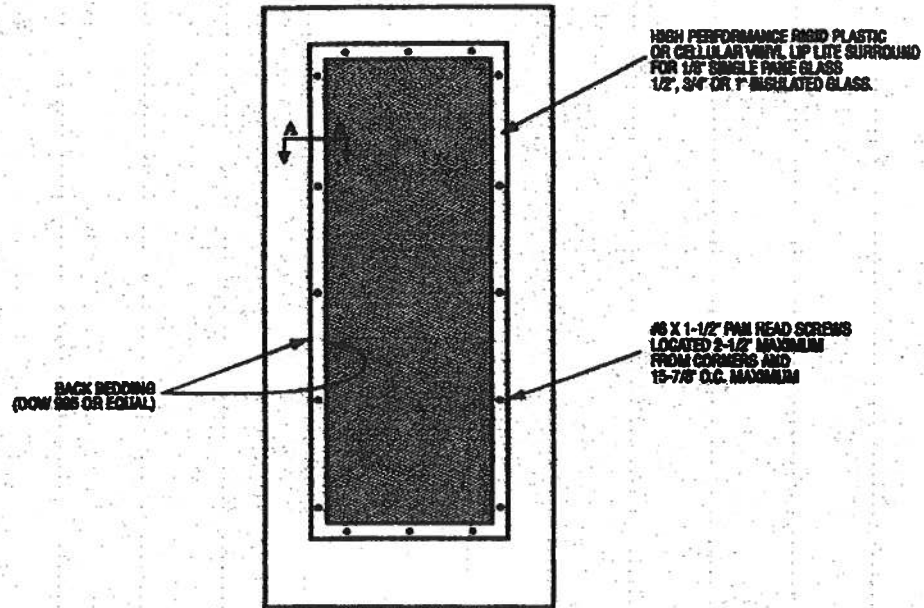
PREMIER
Premium Quality Doors



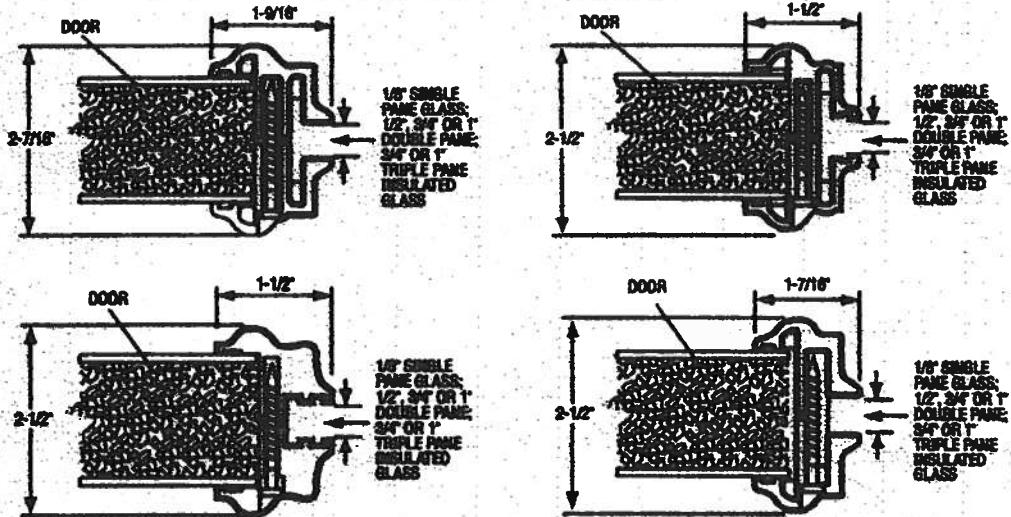
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GLASS INSERT IN DOOR OR SIDELITE PANEL



SECTION A-A TYPICAL RIGID PLASTIC LIP LITE SURROUND

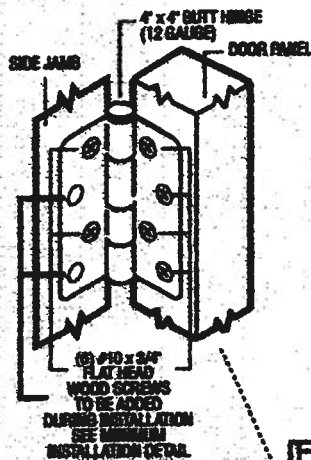


XX
Unit

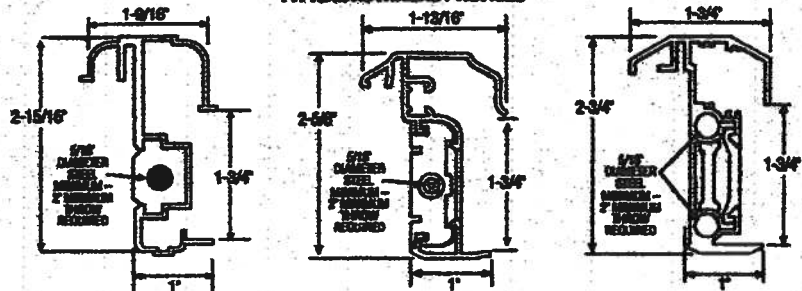
10AD-WL-MAG012-02

OUTSWING UNITS WITH DOUBLE DOOR

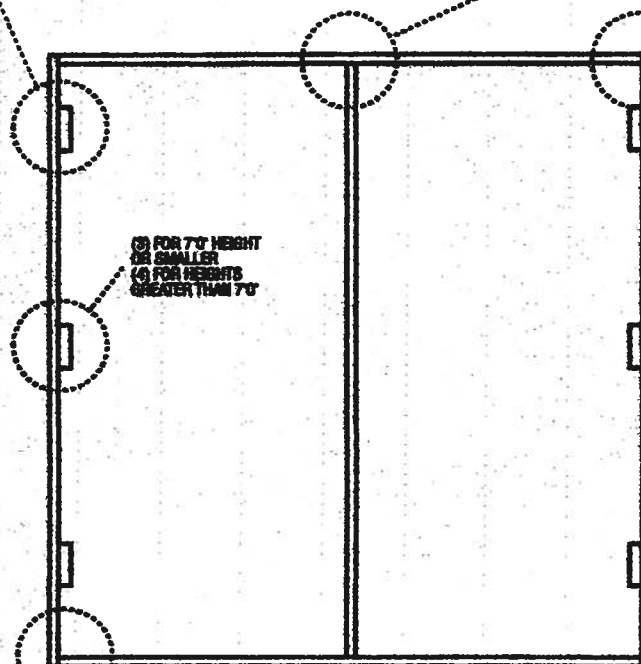
TYPICAL HINGE ATTACHMENT



TYPICAL ASTRAGAL PROFILES

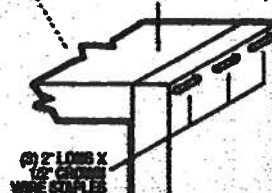


ALUMINUM EXTRUDED ASTRAGAL (0.06\"/>



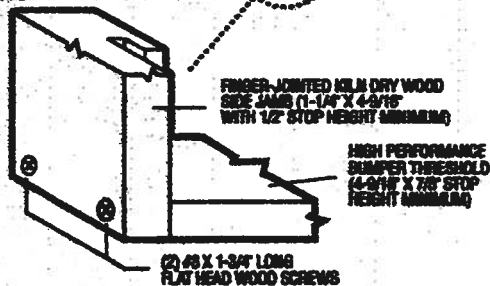
TYPICAL HEADER & SIDE JAMBS ATTACHMENT

FINGER-JOINTED KILN DRY WOOD
FRAME HEADER (1-1/4\"/>



FINGER-JOINTED
KILN DRY WOOD
SIDE JAMB
(1-1/4\"/>

TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT



March 20, 2002
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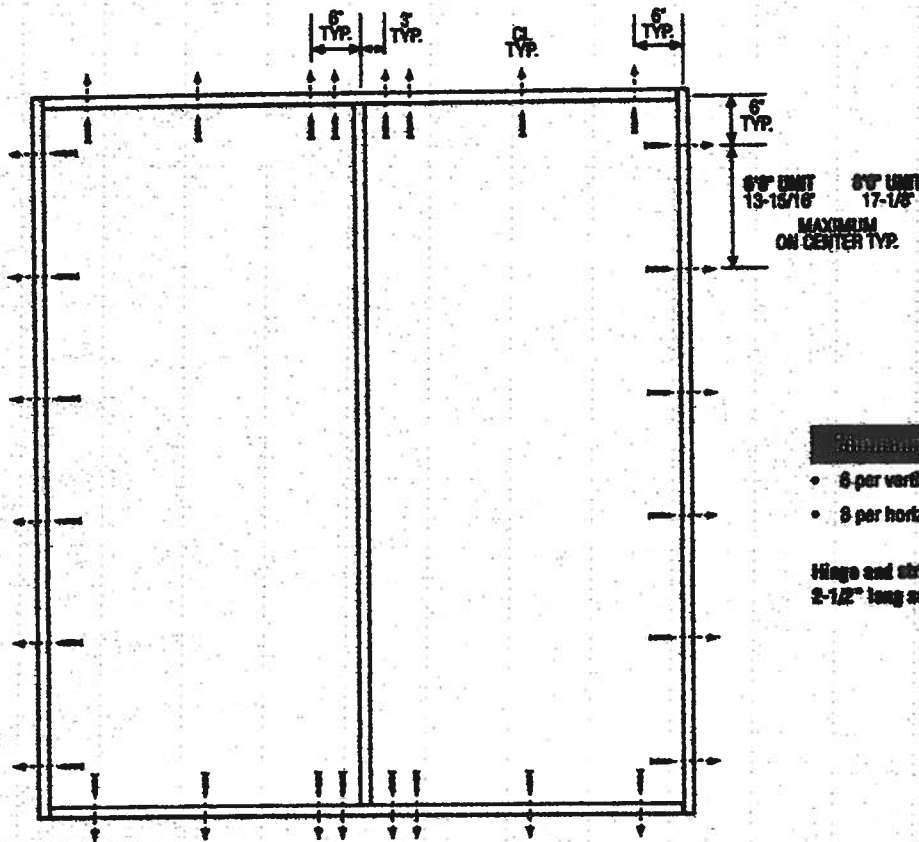
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XX
Unit

MD-WL-MA0002-02

DOUBLE DOOR



Minimum Fastener Count

- 6 per vertical framing member
- 6 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Latching Hardware:

- Compliance requires that GRADE 2 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.

Notes:

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Fasteners analyzed for this unit include #6 and #10 wood screws or 3/16" Tapcons.
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade County approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

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