

DATE 10/04/2005

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000023687

APPLICANT LINDA RODER PHONE 752.2281

ADDRESS 387 SW KEMP CT LAKE CITY FL 3204

OWNER ISAAC CONSTRUCTION PHONE 719.7143

ADDRESS 489 NW BRIDGEWATER TERRACE LAKE CITY FL 32055

CONTRACTOR ISAAC BRATKOVICH PHONE 719.7143

LOCATION OF PROPERTY 90-W TO LAKE JEFFERY,TR IN COBBLESTONE S/D, BRIDGEWATER TERRACE, 10TH LOT ON R. (SEE SIGN)

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 178100.00

HEATED FLOOR AREA 3562.00 TOTAL AREA 3615.00 HEIGHT 25.30 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 8'12 FLOOR CONC

LAND USE & ZONING RSF-2 MAX. HEIGHT 35

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

NO. EX.D.U. 0 FLOOD ZONE XPP DEVELOPMENT PERMIT NO. _____

PARCEL ID 24-3S-16-02275-110 SUBDIVISION COBBLESTONE

LOT 10 BLOCK _____ PHASE _____ UNIT _____ TOTAL ACRES 1.92

00000834 _____ CBC059323 _____

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

18"X32' MITERED _____ N _____

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

COMMENTS: NOC ON FILE

1 FOOT ABOVE ROAD

Check # or Cash 1293

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ Foundation _____ Monolithic _____
date/app. by _____ date/app. by _____ date/app. by _____

Under slab rough-in plumbing _____ Slab _____ Sheathing/Nailing _____
date/app. by _____ date/app. by _____ date/app. by _____

Framing _____ Rough-in plumbing above slab and below wood floor _____
date/app. by _____ date/app. by _____

Electrical rough-in _____ Heat & Air Duct _____ Peri. beam (Lintel) _____
date/app. by _____ date/app. by _____ date/app. by _____

Permanent power _____ C.O. Final _____ Culvert _____
date/app. by _____ date/app. by _____ date/app. by _____

M/H tie downs, blocking, electricity and plumbing _____ Pool _____
date/app. by _____ date/app. by _____

Reconnection _____ Pump pole _____ Utility Pole _____
date/app. by _____ date/app. by _____ date/app. by _____

M/H Pole _____ Travel Trailer _____ Re-roof _____
date/app. by _____ date/app. by _____ date/app. by _____

BUILDING PERMIT FEE \$ 895.00 CERTIFICATION FEE \$ 18.07 SURCHARGE FEE \$ 18.07

MISC. FEES \$.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$.00 WASTE FEE \$ _____

FLOOD DEVELOPMENT FEE \$ _____ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ 25.00 TOTAL FEE 1031.14

INSPECTORS OFFICE COO CLERKS OFFICE CH

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 INCONVENIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

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

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0509-16 Date Received 9/6/05 By JW Permit # 23687/834
 Application Approved by - Zoning Official BLK Date 30.09.05 Plans Examiner OK JTH Date 10-3-05
 Flood Zone Xp2 Development Permit NA Zoning R8F-2 Land Use Plan Map Category Res. Low Density
 Comments _____

Applicants Name Melanie Roder Phone 752-2281
 Address 387 SW Kemp CT Lake City, FL 32024
 Owners Name Isaac Construction Phone 719-7143
 911 Address 489 NW Bridgewater Ter Lake City FL 32055
 Contractors Name Isaac Construction Phone 719-7143
 Address 1005 SW Walter Ave Lake City, FL 32024
 Fee Simple Owner Name & Address NA
 Bonding Co. Name & Address NA
 Architect/Engineer Name & Address Will Myers / Nick Geisler
 Mortgage Lenders Name & Address Mercantile
 Circle the correct power company FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number 24-35-16-02275-110 Estimated Cost of Construction 170,000
 Subdivision Name Cobblestone Lot 10 Block _____ Unit _____ Phase _____
 Driving Directions 90 W Turn R on Lake Jeffrey rd. Turn R into Cobblestone (NW Bridgewater ter) 10th lot on Right. See sign

Type of Construction SED Number of Existing Dwellings on Property 0
 Total Acreage 1.92 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 68.8' Side 68.2' Rear 58.1'
 Total Building Height 25.3 Number of Stories 1 Heated Floor Area 3562 Roof Pitch 8-12
Porches 390 Garage 533 TOTAL 3815 * 2692 corrected

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) Barbara C. Webster Contractor Signature [Signature]
 STATE OF FLORIDA Commission # DD329279 Contractors License Number CBC 059323
 COUNTY OF COLUMBIA Expires July 2, 2008 Competency Card Number _____
 Sworn to (or affirmed) and subscribed before me
 this 29 day of July 2005
 Personally known X or Produced Identification _____
 Notary Signature [Signature] CL# 1293



THIS INSTRUMENT WAS PREPARED BY:

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

RETURN TO:

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

Property Appraiser's
Identification Number

WARRANTY DEED

This Warranty Deed, made this 13th day of July, 2005, BETWEEN COBBLESTONE OF COLUMBIA COUNTY, L.L.C., a Florida Limited Liability Company, whose post office address is 2806 W US Highway 90, Suite 101, Lake City, FL 32055, of the County of Columbia, State of Florida, grantor*, and ISAAC CONSTRUCTION, INC., a Florida Corporation, whose post office address is 1005 SW Walter Ave., Lake City, FL 32024, of the County of Columbia, State of Florida, grantee*.

(Whenever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, trusts and trustees)

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

Lots 9, 10 and 11, COBBLESTONE, UNIT 1, a subdivision according to the plat thereof as recorded in Plat Book 8, Pages 3-6 of the public records of Columbia County, Florida.

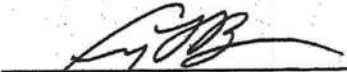
Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

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

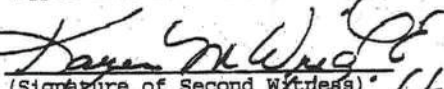
And subject to taxes for the current year and later years and all valid easements and restrictions of record, if any, which are not hereby reimposed; and also subject to any claim, right, title or interest arising from any recorded instrument reserving, conveying, leasing, or otherwise alienating any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

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

Signed, sealed and delivered
in our presence:


(Signature of First Witness)

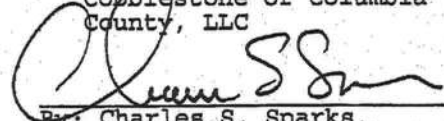
CRYSTAL L. BRUNNER
(Typed Name of First Witness)


(Signature of Second Witness)
KAREN M. WRIGHT
(Typed Name of Second Witness)

COBBLESTONE OF COLUMBIA
COUNTY, L.L.C.

 (SEAL)
By: DANIEL CRAPPS,
Managing Member of
Cobblestone of Columbia
County, L.L.C.

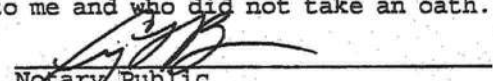
By: FRONTIER CAPITAL, LLC
A Florida Limited
Liability Company, as
Managing Member of
Cobblestone of Columbia
County, LLC

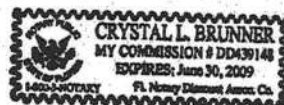

By: Charles S. Sparks,
Managing Member of
Frontier Capital, LLC

STATE OF Florida
COUNTY OF Columbia

The foregoing instrument was acknowledged before me this 12th
day of July, 2005, by DANIEL CRAPPS, as Managing Member of
COBBLESTONE OF COLUMBIA COUNTY, L.L.C., a Florida Limited Liability
Company who is personally known to me and who did not take an oath.

My Commission Expires:

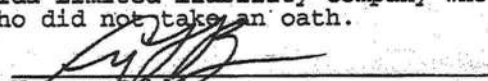

Notary Public
Printed, typed, or stamped name:

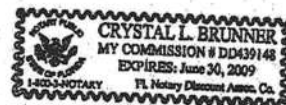


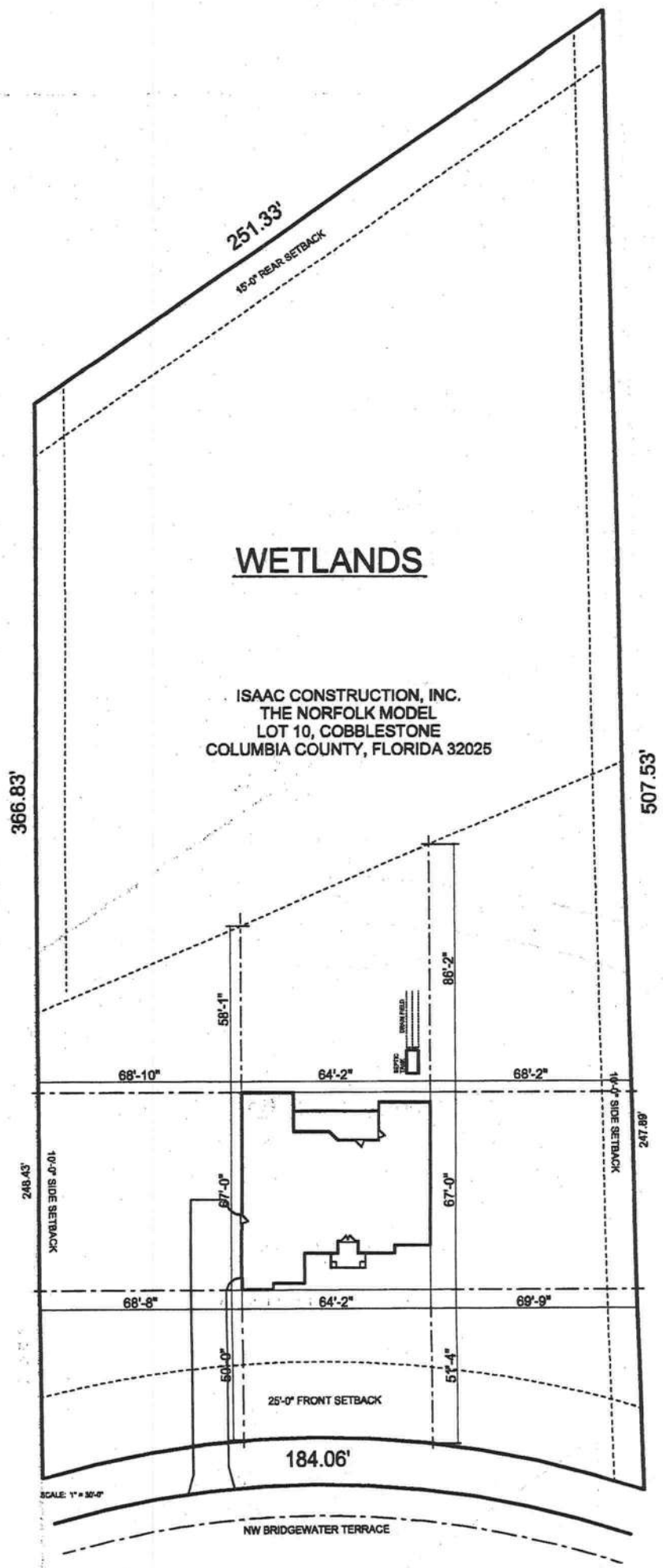
STATE OF Florida
COUNTY OF Columbia

The foregoing instrument was acknowledged before me this 13th
day of July, 2005, by CHARLES S. SPARKS, as Managing Member of
FRONTIER CAPITAL, L.L.C., a Florida Limited Liability Company who
are personally known to me and who did not take an oath.

My Commission Expires:


Notary Public
Printed, typed, or stamped name:



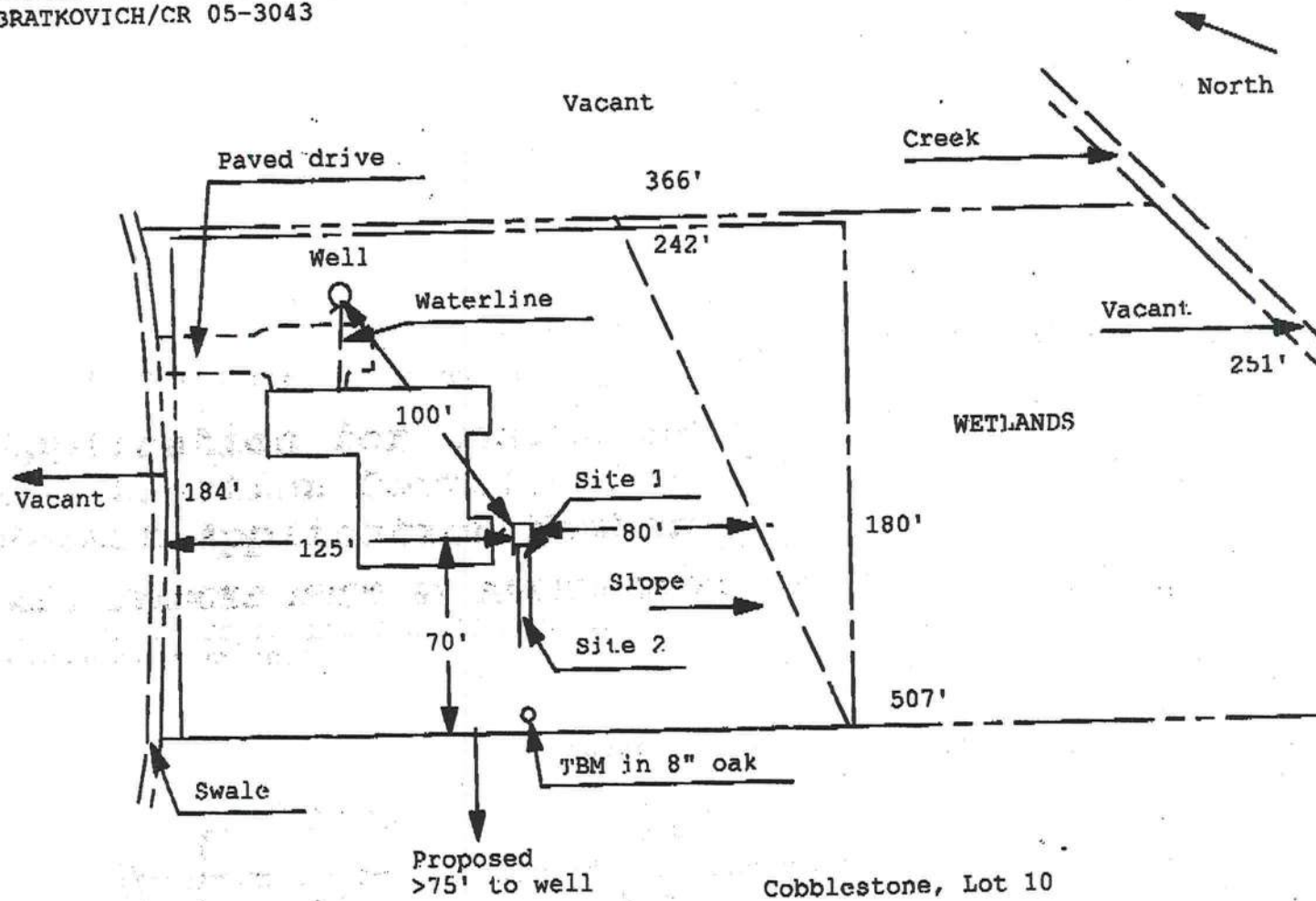


**Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan**

Permit Application Number: 05-0905N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

BRATKOVICH/CR 05-3043



1 inch = 60 feet

Site Plan Submitted By Paul L. L...

Plan Approved ☒ Not Approved ☐

Date 8/29/05

Date 9/8/05

By R. L. L...

RELI

Columbia CPHU

Notes: _____

THIS INSTRUMENT WAS PREPARED BY:

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

ATTORNEY TO:

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

File No. 04-786

PERMIT NO. _____

Inst: 200509260368 Date: 09/22/2005 Time: 12:58
M.P. Bennett Esq., Columbia County R: 4053 P: 7325

TAX ID NO.: R03275-110

NOTICE OF COMMENCEMENTSTATE 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 10, CORBELSTONE, UNIT 1, a subdivision according to the plat thereof as recorded in Plat Book 6, Pages 3-6 of the public records of Columbia County, Florida.
2. General description of improvement: Construction of Dwelling
3. Owner information:
 - a. Name and address: ISAAC CONSTRUCTION, INC., 1005 SW Walter Avenue, Lake City, Florida 32024.
 - b. Interest in property: Fee simple
 - c. Name and address of fee simple title holder (if other than owner):
4. Contractor: ISAAC CONSTRUCTION, INC., 1005 SW Walter Avenue, Lake City, Florida 32024.
 - d. Surety
 - e. Name and address: None
5. Lender: MERCANTILE BANK, 197 Southwest Baya Drive, Lake City, Florida 32025.
6. Persons within the State of Florida designated by owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes: None
7. In addition to himself, Owner designates CLARENCE B. BRATKOVICH, III, Senior Vice President of MERCANTILE BANK, 197 Southwest Baya Drive, Lake City, Florida 32025, to receive a copy of the Lender's Notice as provided in Section 713.13(1)(b), Florida Statutes.
8. Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified).

ISAAC CONSTRUCTION, INC.

By: Clarence Bratkovich
Clarence Bratkovich
PresidentSTATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 19th day of August 2005, by ISAAC BRATKOVICH, President of ISAAC CONSTRUCTION, INC., a Florida corporation, on behalf of said corporation. He is personally known to me and did not take an oath.

Michael W. Gray
Notary Public
My commission expires: _____



TOTAL P.02

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS



DONALD AND MARY HALL
OWNERS

PHONE (904) 752-1854
FAX (904) 755-7022
~~1724 NORTH FIRST STREET~~
LAKE CITY, FLORIDA 32055
904 NW Main Blvd.

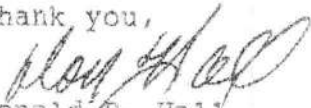
June 12, 2002

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

FLORIDA ENERGY EFFICIENCY CODE
FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	Isaac Construction, Inc. - Norfolk Model	Builder:	Isaac Construction, Inc.
Address:	Lot: 10, Sub: Cobblestone, Plat:	Permitting Office:	Columbia
City, State:	, FL 32025-	Permit Number:	23687
Owner:	Spec House	Jurisdiction Number:	221000
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 50.0 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)	2692 ft²		
7. Glass area & type		13. Heating systems	
a. Clear - single pane	0.0 ft²	a. Electric Heat Pump	Cap: 50.0 kBtu/hr
b. Clear - double pane	379.0 ft²		HSPF: 6.80
c. Tint/other SHGC - single pane	0.0 ft²	b. N/A	
d. Tint/other SHGC - double pane	0.0 ft²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 245.0(p) ft	a. Electric Resistance	Cap: 50.0 gallons
b. N/A			EF: 0.90
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=13.0, 1452.0 ft²	(HR-Heat recovery, Solar	
b. Frame, Wood, Adjacent	R=13.0, 268.0 ft²	DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 2892.0 ft²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 50.0 ft		
b. N/A			

Glass/Floor Area: 0.14

Total as-built points: 33932
Total base points: 37952

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: 07/14/05

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

OWNER/AGENT:

DATE:

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

BUILDING OFFICIAL:

DATE:



SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 10, 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	2692.0	20.04	9710.6	Double, Clear	W	1.5	6.0	30.0	36.99	0.91	1013.5
				Double, Clear	W	1.5	6.0	15.0	36.99	0.91	506.7
				Double, Clear	W	8.5	8.0	30.0	36.99	0.52	571.9
				Double, Clear	NW	15.5	8.0	15.0	25.46	0.55	209.0
				Double, Clear	W	11.5	9.7	60.0	36.99	0.48	1076.2
				Double, Clear	S	22.0	9.7	20.0	34.50	0.44	306.3
				Double, Clear	S	2.5	6.0	6.0	34.50	0.71	147.3
				Double, Clear	N	1.5	6.0	45.0	19.22	0.94	811.8
				Double, Clear	N	1.5	2.0	4.0	19.22	0.76	58.2
				Double, Clear	E	1.5	6.0	15.0	40.22	0.91	550.7
				Double, Clear	E	1.5	8.0	48.0	40.22	0.96	1848.7
				Double, Clear	E	10.5	11.7	40.0	40.22	0.54	873.3
				Double, Clear	S	1.5	4.0	9.0	34.50	0.74	230.0
				Double, Clear	S	1.5	5.0	16.0	34.50	0.81	445.4
				Double, Clear	S	1.5	4.0	6.0	34.50	0.74	153.4
				Double, Clear	S	1.5	6.0	20.0	34.50	0.86	590.7
				As-Built Total:			379.0			9393.2	
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	268.0	0.70	187.6	Frame, Wood, Exterior	13.0		1452.0	1.50		2178.0	
Exterior	1452.0	1.70	2468.4	Frame, Wood, Adjacent	13.0		268.0	0.60		160.8	
Base Total: 1720.0 2656.0				As-Built Total:			1720.0			2338.8	
DOOR TYPES Area X BSPM = Points				Type	Area X SPM = Points						
Adjacent	20.0	2.40	48.0	Adjacent Insulated			20.0	1.60		32.0	
Exterior	0.0	0.00	0.0								
Base Total: 20.0 48.0				As-Built Total:			20.0			32.0	
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	2692.0	1.73	4657.2	Under Attic	30.0		2892.0	1.73 X 1.00		5003.2	
Base Total: 2692.0 4657.2				As-Built Total:			2892.0			5003.2	
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Slab	245.0(p)	-37.0	-9065.0	Slab-On-Grade Edge Insulation	0.0		245.0(p)	-41.20		-10094.0	
Raised	0.0	0.00	0.0								
Base Total: -9065.0				As-Built Total:			245.0			-10094.0	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 10, Sub: Cobblestone, Plat: , , FL, 32025-

PERMIT #:

BASE				AS-BUILT					
INFILTRATION Area X BSPM = Points				Area X SPM = Points					
2692.0 10.21 27485.3				2692.0 10.21 27485.3					
Summer Base Points: 35492.1				Summer As-Built Points: 34158.5					
Total Summer X System = Cooling Points Multiplier Points				Total X Cap X Duct X System X Credit = Cooling Component Ratio Multiplier Multiplier Multiplier Points (DM x DSM x AHU)					
35492.1 0.4266 15140.9				34158.5 1.000 (1.090 x 1.147 x 0.91) 0.310 1.000 12057.9 34158.5 1.00 1.138 0.310 1.000 12057.9					

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 10, 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	2692.0	12.74	6173.3	Double, Clear	W	1.5	6.0	30.0	10.77	1.02	330.5		
				Double, Clear	W	1.5	6.0	15.0	10.77	1.02	165.3		
				Double, Clear	W	8.5	8.0	30.0	10.77	1.17	379.0		
				Double, Clear	NW	15.5	8.0	15.0	14.03	1.03	217.4		
				Double, Clear	W	11.5	9.7	60.0	10.77	1.19	767.0		
				Double, Clear	S	22.0	9.7	20.0	4.03	3.56	287.2		
				Double, Clear	S	2.5	6.0	6.0	4.03	1.44	34.8		
				Double, Clear	N	1.5	6.0	45.0	14.30	1.00	645.2		
				Double, Clear	N	1.5	2.0	4.0	14.30	1.01	58.1		
				Double, Clear	E	1.5	6.0	15.0	9.09	1.04	141.2		
				Double, Clear	E	1.5	8.0	48.0	9.09	1.02	445.0		
				Double, Clear	E	10.5	11.7	40.0	9.09	1.26	457.6		
				Double, Clear	S	1.5	4.0	9.0	4.03	1.34	48.7		
				Double, Clear	S	1.5	5.0	16.0	4.03	1.20	77.2		
				Double, Clear	S	1.5	4.0	6.0	4.03	1.34	32.5		
				Double, Clear	S	1.5	6.0	20.0	4.03	1.12	90.1		
				As-Built Total:							379.0		4176.8
				WALL TYPES Area X BWPM = Points				Type	R-Value			Area X WPM	=
Adjacent	268.0	3.60	964.8	Frame, Wood, Exterior		13.0	1452.0	3.40		4936.8			
Exterior	1452.0	3.70	5372.4	Frame, Wood, Adjacent		13.0	268.0	3.30		884.4			
Base Total: 1720.0 6337.2				As-Built Total:			1720.0			5821.2			
DOOR TYPES Area X BWPM = Points				Type				Area X WPM	=	Points			
Adjacent	20.0	11.50	230.0	Adjacent Insulated			20.0	8.00		160.0			
Exterior	0.0	0.00	0.0										
Base Total: 20.0 230.0				As-Built Total:			20.0			160.0			
CEILING TYPES Area X BWPM = Points				Type	R-Value			Area X WPM X WCM	=	Points			
Under Attic	2692.0	2.05	5518.6	Under Attic		30.0	2892.0	2.05 X 1.00		5928.6			
Base Total: 2692.0 5518.6				As-Built Total:			2892.0			5928.6			
FLOOR TYPES Area X BWPM = Points				Type	R-Value			Area X WPM	=	Points			
Slab	245.0(p)	8.9	2180.5	Slab-On-Grade Edge Insulation		0.0	245.0(p)	18.80		4606.0			
Raised	0.0	0.00	0.0										
Base Total: 2180.5				As-Built Total:			245.0			4606.0			

WINTER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 10, Sub: Cobblestone, Plat: , , FL, 32025-

PERMIT #:

BASE				AS-BUILT				
INFILTRATION Area X BWPM = Points				Area X WPM = Points				
2692.0 -0.59 -1588.3				2692.0 -0.59 -1588.3				
Winter Base Points: 18851.3				Winter As-Built Points: 19104.3				
Total Winter X System = Heating Points Multiplier Points				Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points (DM x DSM x AHU)				
18851.3 0.6274 11827.3				19104.3 1.000 (1.069 x 1.169 x 0.93) 0.501 1.000 11134.0 19104.3 1.00 1.162 0.501 1.000 11134.0				

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 10, 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 Ratio	Multiplier	X Credit Multiplier = Total
4		2746.00	10984.0	50.0	0.90	4	1.00	2684.98	1.00 10739.9
				As-Built Total:					10739.9

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling Points	+	Heating Points	+ Hot Water Points = Total Points	Cooling Points	+	Heating Points	+ Hot Water Points = Total Points
15141		11827	10984 37952	12058		11134	10740 33932

PASS



Code Compliance Checklist
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 10, 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 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL)
DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.0

The higher the score, the more efficient the home.

Spec House, Lot: 10, Sub: Cobblestone, Plat: , , FL, 32025-

1. New construction or existing New
2. Single family or multi-family Single family
3. Number of units, if multi-family 1
4. Number of Bedrooms 4
5. Is this a worst case? No
6. Conditioned floor area (ft²) 2692 ft²
7. Glass area & type
a. Clear - single pane 0.0 ft²
b. Clear - double pane 379.0 ft²
c. Tint/other SHGC - single pane 0.0 ft²
d. Tint/other SHGC - double pane 0.0 ft²
8. Floor types
a. Slab-On-Grade Edge Insulation R=0.0, 245.0(p) ft
b. N/A
c. N/A
9. Wall types
a. Frame, Wood, Exterior R=13.0, 1452.0 ft²
b. Frame, Wood, Adjacent R=13.0, 268.0 ft²
c. N/A
d. N/A
e. N/A
10. Ceiling types
a. Under Attic R=30.0, 2892.0 ft²
b. N/A
c. N/A
11. Ducts
a. Sup: Unc. Ret: Unc. AH: Interior Sup. R=6.0, 50.0 ft
b. N/A
12. Cooling systems
a. Central Unit Cap: 50.0 kBtu/hr SEER: 11.00
b. N/A
c. N/A
13. Heating systems
a. Electric Heat Pump Cap: 50.0 kBtu/hr HSPF: 6.80
b. N/A
c. N/A
14. Hot water systems
a. Electric Resistance Cap: 50.0 gallons EF: 0.90
b. N/A
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)

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 Energy Gauge Program (Version: FLR1PB v3.22)

**Columbia County Building Department
Culvert Permit**

**Culvert Permit No.
000000834**

DATE 10/04/2005 PARCEL ID # 24-3S-16-02275-110

APPLICANT LINDA RODER PHONE 752.2281

ADDRESS 387 SW KEMP CT LAKE CITY FL 32024

OWNER ISAAC CONSTRUCTION PHONE 719.7143

ADDRESS 489 NW BRIDGEWATER TERRACE LAKE CITY FL 32055

CONTRACTOR ISAAC BRATKOVICH PHONE 719.7143

LOCATION OF PROPERTY 90-W TO LAKE JEFFERY ROD TO COBBLESTONE S/D, TO BRIDGEWATER TERRACE,
IT'S THE 10TH LOT ON R. (SEE SIGN)

SUBDIVISION/LOT/BLOCK/PHASE/UNIT COBBLESTONE 10

SIGNATURE

Melanie Roder Linda Roder

INSTALLATION REQUIREMENTS



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

INSTALLATION NOTE: Turnouts will be required as follows:

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

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



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



Other _____

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

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

Amount Paid 25.00

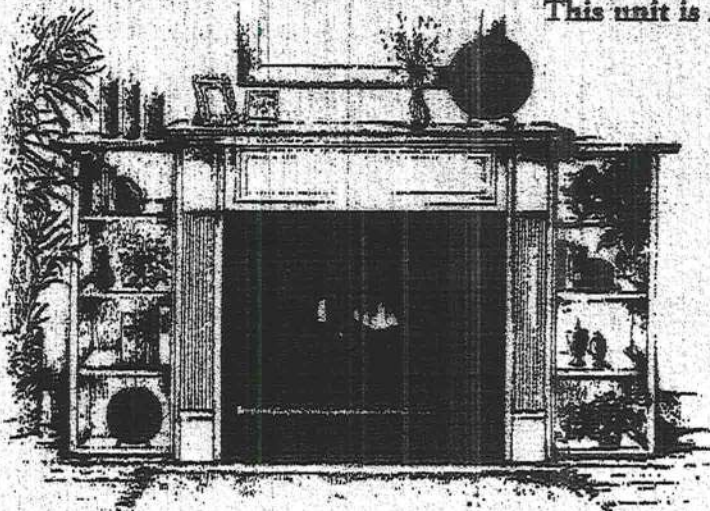


VENT-FREE

This unit is A.G.A. certified as a heater with 99% heat efficiency

No chimney or flue system required

Wide selection of factory installed options offered

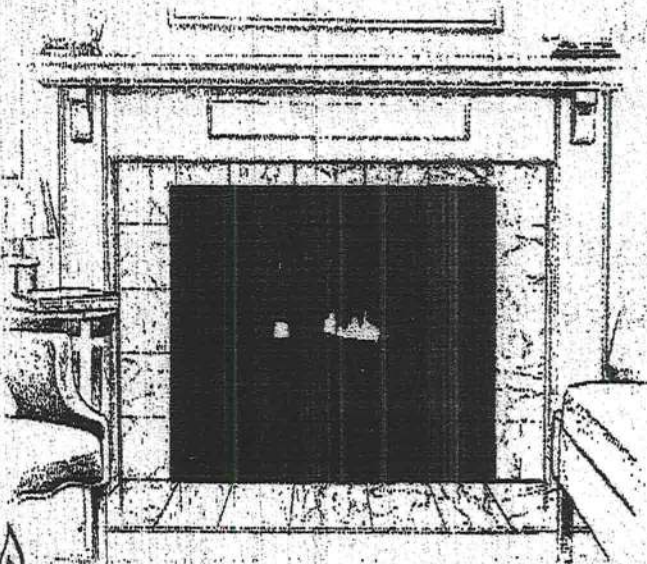
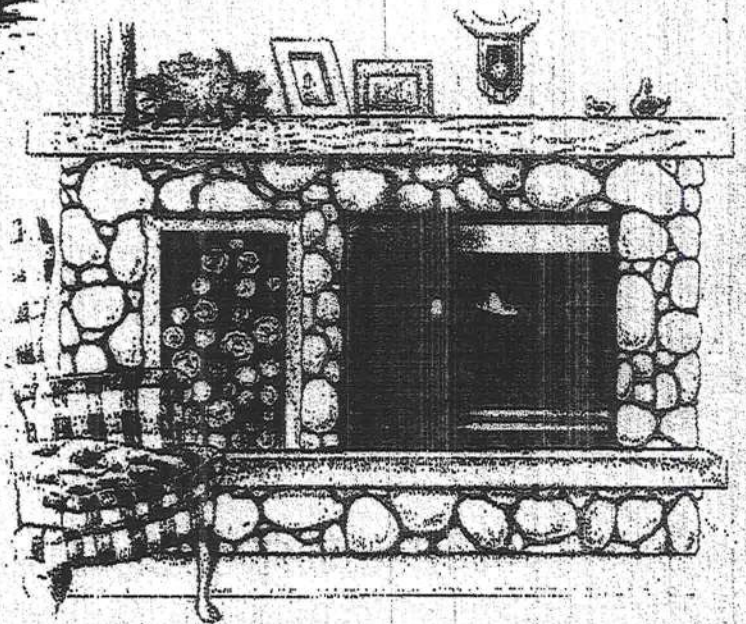


VF-4000

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

VF-5000

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



VF-6000

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



SUPERIOR

May. 01 2003 07:50AM P1

FAX NO.: +386 758 4735

FROM: LAKE CITY INDUSTRIES

VF-4000/5000/6000



VF-6000 surround.

Controls hidden in access compartment.



Optional FAB-1100 Blower.

Optional brass hoods, arches, glass panel and fine mesh screen.

Controls hidden in access compartment.



Optional FAB-1100 Blower.

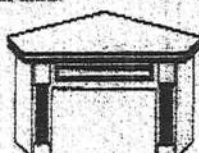
Multivolt controls and piezo ignition operate during a power failure.

VF-4000

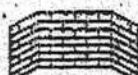
VF-5000/6000

SURROUNDS

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



Distributed by:



Refractory tan brick panels



Gas flex liner kit.



Square brass trim kit.



Brass Louver Kit (For VF-4 only)



Screen panel kit. (For VF-5 & VF-6 only)



Arch kit. (For VF-5 & VF-6 only)



Glass door kit. (For VF-5 & VF-6 only)



Brass hood. (For VF-5 & VF-6 only)

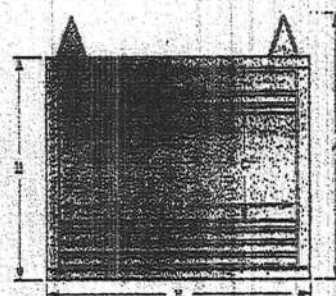


Wall switch or optional wireless remote available. (For VF-4MV, VF-5 & VF-6)

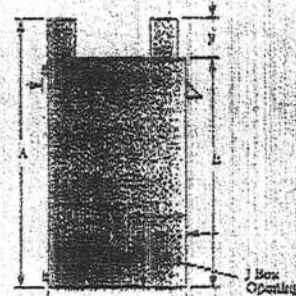


Wall thermostat. (For VF-4MV, VF-5 & VF-6)

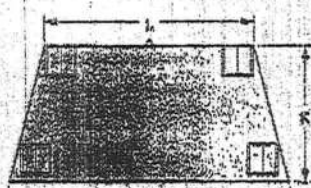
Front View



Left Side View



Top View



Vent-Free Product Dimensions

	VF-4000/5000C	VF-6000C
A	42-1/8"	42-1/8"
B	31-1/2"	36-5/8"
C	20"	20"
D	30"	34"
E	40"	40"
F	5-1/2"	5-1/2"
G	5-3/4"	5-3/4"
H	8-1/2"	8-1/2"
I	3"	3"
J	19-1/2"	19-1/2"
K	28-1/2"	28-1/2"

Btu Chart

Model	Natural	Propane
VF-4000 manual	14,000 - 25,000	14,000 - 25,000
VF-4000/5000 multivolt	19,500 - 25,000	19,500 - 25,000
VF-6000	25,000 - 32,000	25,000 - 32,000

Framing Dimension

Model	Width	Height	Depth
VF-4000/5000	37"	37-1/4"	15-1/2"
VF-6000	41"	42-3/8"	19-1/2"

NOTE: Diagrams and illustrations are not to scale. Product designs, materials, dimensions, specifications, colors and prices subject to change or discontinuation without notice. Built to ANSI Z21.11.2 standard and approved by A.G.A. (report # L2970017).

Consult your distributor for local fireplace code information.



SUPERIOR

www.LennoxHearthProducts.com

Printed in U.S.A. ©2001 Lennox Hearth Products • 1110 West Taft Ave., Orange, CA 92665-4150
Lennox Hearth Products Direct Vent heater rated gas appliances include a 20-year limited warranty.

2/01

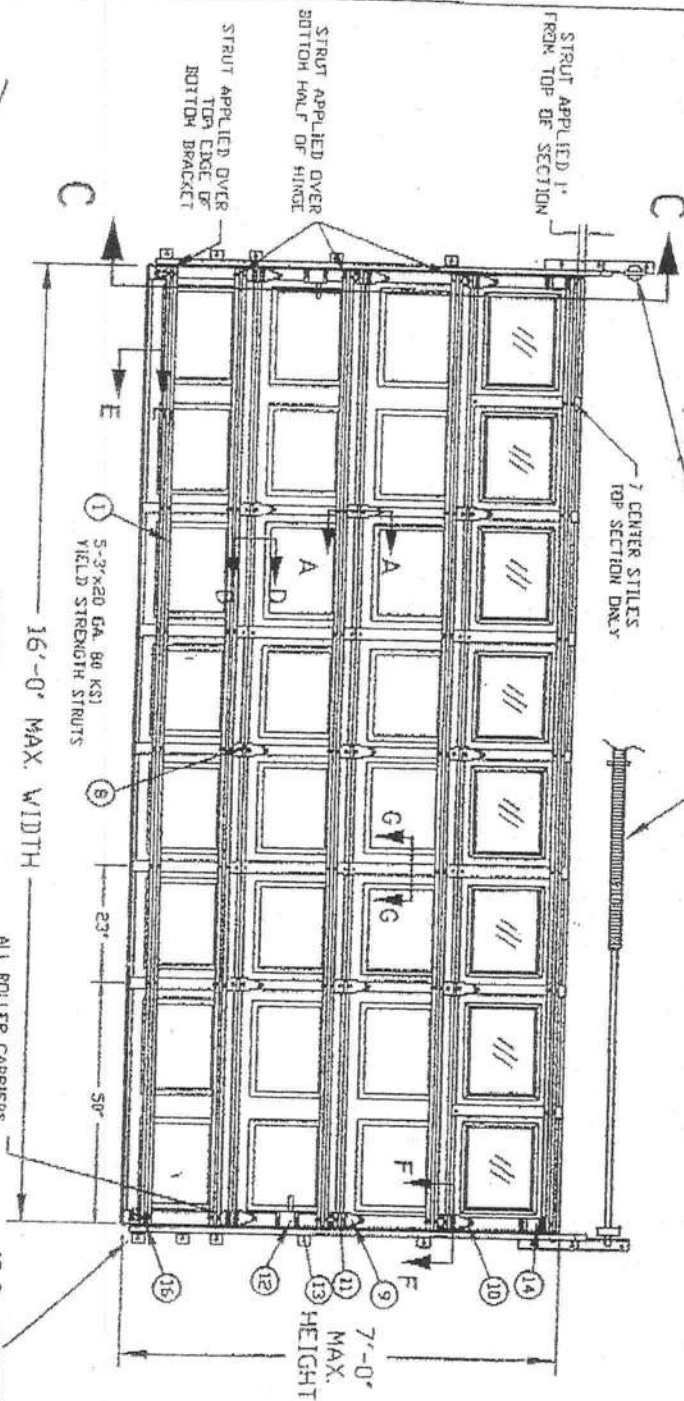
May. 01 2003 07:51

FAX NO. : +386 758 4735

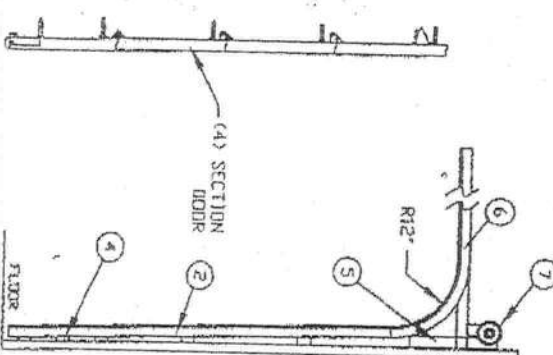
FROM : LAKE CITY INDUSTRIES

NOTES:

1. TESTED TO POSITIVE AND NEGATIVE 20 PSF DESIGN AND POSITIVE AND NEGATIVE 30 PSF TEST PRESSURES PER ASTM E-330
2. MAXIMUM SECTION HEIGHT = 21'
3. SECTION HEIGHTS OF 21'0" AND 19'50" ARE AVAILABLE AND MAY BE USED IN ANY COMBINATION TO ACHIEVE VARIOUS DOOR HEIGHTS.
4. WINDOWS MAY BE INSTALLED IN THE TOP SECTION, AS TESTED WITH 1/8" TEB GLASS OR EQUIVALENT, OR IN THE SECTION IMMEDIATELY BELOW THE TOP SECTION.
5. MINIMUM LENGTH OF ROLLER STICK IS 51" C7 AS TESTED
6. THE STRUT PLACEMENT ON DOOR MUST BE CONSISTENT WITH THE BOOK DRAWING.
7. STRUTS SECURED AT ALL LOCATIONS WITH TEB SCREWS.
8. QUANTITY OF SIDE LOCKS CAN BE 0,1, OR 2 AS TESTED.
9. DROP IN TYPE OF INSULATION IS OPTIONAL.



NOT PART OF WIND LOAD SYSTEM
EXTENSION SPRING COUNTERBALANCE
TORSION SPRING COUNTERBALANCE



SEC. C-C

VERTICAL
TRACK, (16 GA.)

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

INSIDE ELEVATION

16'-0" MAX WIDTH

ALL ROLLER CARRIERS
AND ROLLERS ARE 14 GA.

5-3/8" x 20 GA. 80 KSI
YIELD STRENGTH STRUTS

TEST REPORTS ON FILE [VIDEO 10/19/00 (000293)]

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

The seal on this drawing only represents the configuration(s) of the door as tested. It is not intended to illustrate the product(s) or the dimensions and installation(s) of the door as tested.



REPORT No. 2202

GABCO DOORS
SERIES 7400, EXTERIOR STEEL, =017 MIN GAS TESTED
SERIES 7825, EXTERIOR STEEL, =019" MIN A
SERIES 7524, EXTERIOR STEEL, =024" MIN A
(TESTED) WITH WINDOWS

GABCO
GENERAL AMERICAN DOOR COMPANY
5050 BASELINE ROAD
MONTGOMERY, IL 60538

MAXIMUM DOOR WIDTH 16'

MAXIMUM DOOR HEIGHT 7'

TYPICAL CTE STEEL SPACING 23"

STRUTS 3"

VERTICAL TRACK 2 IN.

DATE 10-20-00

DESIGNER 16' X 7' MAX RAISED PANEL STEEL DOOR - WINDLOAD +20 PSF

APPROVED BY

REVIEWED (A) 11-10-00

BRAND BY B. VETTER

PAGE 1 OF 2

DRAWING NUMBER V13220-1

Florida Building Code Online



The Florida Department of Community Affairs
Building Code Information System

FLORIDA BUILDING CODE

Codebook User Organization Search
Registration Registration Anticipation Search Anticipation

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

Organization Type: Product Manufacturer



Manufact. Buildings
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	Montgomery	James Campbell	678/8597000	Product Manufacturer	01/01/2099	Approved
Org Code: PDM System ID: 3585				Site Link: www.gado.com		

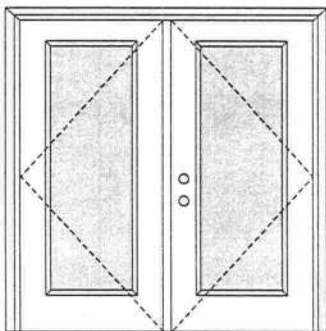
Displaying 1-1 of 1

Copyright © 2004 The Florida Department of Community Affairs. All rights reserved. This system is a proprietary system of the Florida Department of Community Affairs. No part of this system may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of the Florida Department of Community Affairs.

		CENTRAL AMERICAN DEER COMPANY 5009 BASSETT ROAD MONTGOMERY, IL 60538	
ORDER NO. 100-100-100	DATE 8-30-99	ORDERED BY DIV.	ORDERED BY DIV.

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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

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

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0002-02 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:

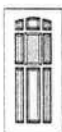
1/4 GLASS:



100 Series



133, 135 Series



136 Series



680 Series

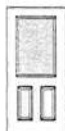


822 Series

1/2 GLASS:



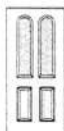
105 Series*



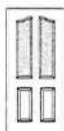
106, 160 Series*



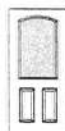
129 Series*



200 Series*



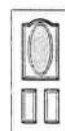
12 R/L, 23 R/L, 24 R/L
Series*



107 Series*



108 Series



304 Series

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

Johnson
EntrySystems

June 17, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

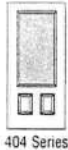


Exclusively from

Masonite
Masonite International Corporation

WOOD-EDGE STEEL DOORS

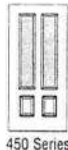
APPROVED DOOR STYLES: 3/4 GLASS:



404 Series



410 Series



450 Series

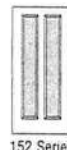
FULL GLASS:



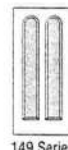
109 Series



114, 120, 122
Series



152 Series



149 Series



300 Series

CERTIFIED TEST REPORTS:

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

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

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

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

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

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

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



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

Johnson
EntrySystems

June 17, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.



Exclusively from
Masonite
Masonite International Corporation

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

Rendered to:

MI HOME PRODUCTS, INC.

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

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

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

For ARCHITECTURAL TESTING, INC.


Mark A. Hess, Technician

MAH:nlb


Allen M. Reeves
1 APRIL 2002

Architectural Testing

AAMA/NWWDA 101/I.S.2-97 TEST REPORT

Rendered to

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

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

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

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

Test Specimen Description

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

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

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

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

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

Finish: All aluminum was white.

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

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

Allen M. Reun
1 APRIL 2002



Test Specimen Description: (Continued)

Weatherstripping:

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

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

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

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

Hardware:

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

Allen H. Reeves
1 APRIL 2002



Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

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

Test Results:

The results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.1	Operating Force	11 lbs	30 lbs max
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.13 cfm/ft ²	0.3 cfm/ft ² max
	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds) @ 25.9 psf (positive) @ 34.7 psf (negative)	0.42"* 0.43"*	0.26" max. 0.26" max.
	<i>*Exceeds L/175 for deflection, but passes all other test requirements.</i>		
2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds) @ 38.9 psf (positive) @ 52.1 psf (negative)	0.02" 0.02"	0.18" max. 0.18" max.

Allen H. Reeves
1 APRIL 2002



Test Specimen Description: (Continued)

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

Optional Performance

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

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

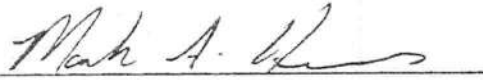
Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)		
@ 67.5 psf (positive)	0.05"	0.18" max.
@ 70.8 psf (negative)	0.05"	0.18" max.

Allen N. Reeves
1 APRIL 2002



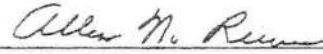
Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification.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

For ARCHITECTURAL TESTING, INC:



Mark A. Hess
Technician

MAH:nlb
01-41134.01



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





FEB - 4 2002

January 31, 2002

TO: OUR FLORIDA CUSTOMERS:

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

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

All testing was performed by Florida State certified independent labs.

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

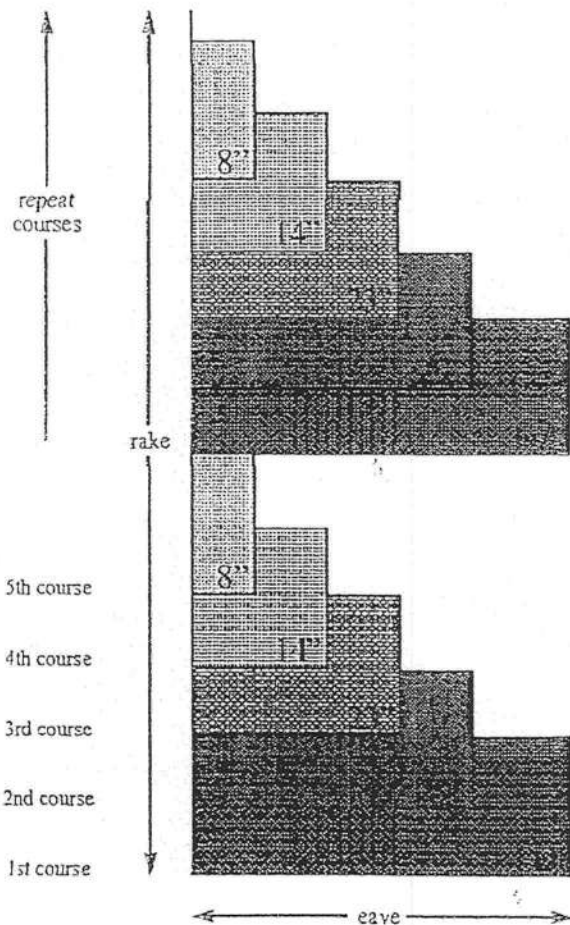
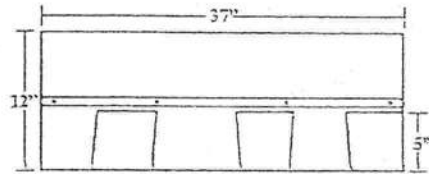
TAMKO Roofing Products, Inc.

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

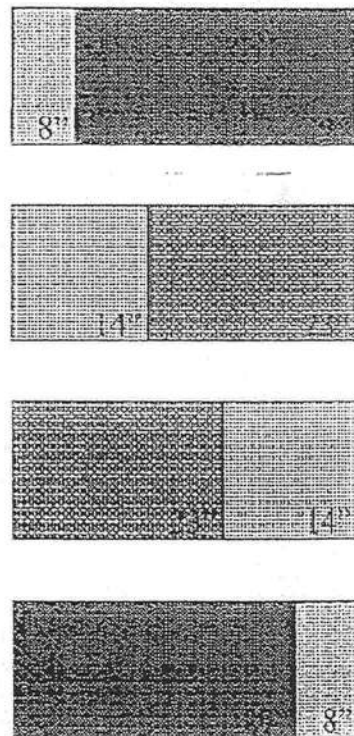


Application Instructions For Heritage® 25 Series Shingles

SPECIFICATIONS (APPROX.)	
Length	37"
Width	12"
Bundles per Sq.	3
Shingles per Sq.	73
Shingles per Bundle	26
Coverage per Sq. (Sq. Ft.)	100
Exposure	5"



The 4 cuts in the first 10 courses:



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

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

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

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



Application Instructions for

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

THREE-TAB ASPHALT SHINGLES

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

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

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

1. ROOF DECK

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

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

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

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

2. VENTILATION

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

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

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

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

IT IS PARTICULARLY IMPORTANT TO PROVIDE ADEQUATE VENTILATION.

3. FASTENING

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

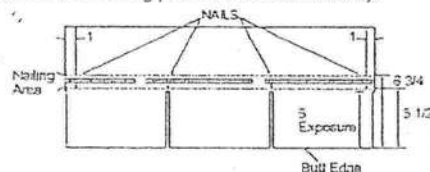
WIND CAUTION: Extreme wind velocities can damage these shingles after application when proper sealing of the shingles does not occur. This can especially be a problem if the shingles are applied in cooler months or in areas on the roof that do not receive direct sunlight. These

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

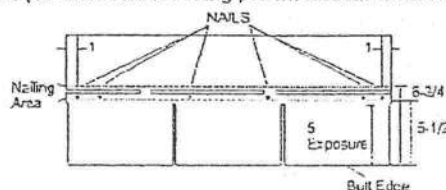
Correct placement of the fasteners is critical to the performance of the shingle. If the fasteners are not placed as shown in the diagram and described below, TAMKO will not be responsible for any shingles blown off or displaced. TAMKO will not be responsible for damage to shingles caused by winds or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

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

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



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



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

(Continued)

Visit Our Web Site at
www.tamko.com

Central District	220 West 4th St., Joplin, MO 64801	800-641-4691
Northeast District	4500 Tamko Dr., Frederick, MD 21701	800-368-2055
Southeast District	2300 35th St., Tuscaloosa, AL 35401	800-228-2656
Southwest District	7910 S. Central Exp., Dallas, TX 75216	800-443-1834
Western District	5300 East 43rd Ave., Denver, CO 80216	800-530-8868

07/01

- Glass-Seal
- Glass-Seal AR

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

THREE-TAB ASPHALT SHINGLES

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

9. RE-ROOFING

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

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

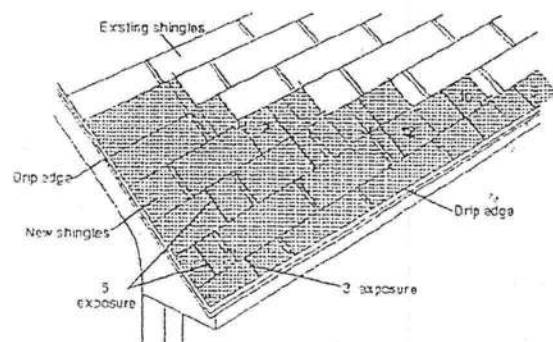
If re-roofing over an existing roof where new flashing is required to protect against ice dams (freeze/thaw cycle of water and/or the backup of water in frozen or clogged gutters), remove the old roofing to a point at least 24 in. beyond the interior wall line and apply TAMKO's Moisture Guard Plus® waterproofing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

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

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

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

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



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

9. VALLEY APPLICATION

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

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

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

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

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

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

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

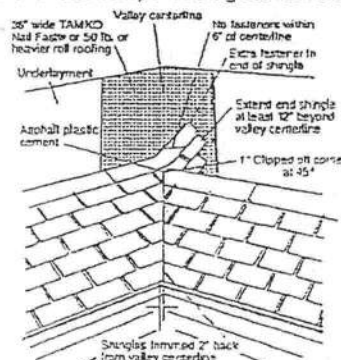
Note: For a neater installation, snap a chalkline over the shingles for guidance.

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

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

Excessive use of adhesive will cause blistering to this product.

TAMKO assumes no responsibility for blistering.



(Continued)

Visit Our Web Site at
www.tamko.com

Central District	220 West 4th St., Joplin, MO 64801	800-641-4691
Northeast District	4500 Tamko Dr., Frederick, MD 21701	800-368-2055
Southeast District	2300 35th St., Tuscaloosa, AL 35401	800-228-2656
Southwest District	7910 S. Central Exp., Dallas, TX 75216	800-443-1834
Western District	5300 East 43rd Ave., Denver, CO 80216	800-530-8868

07/01



(CONTINUED from Pg. 3)

- Glass-Seal
- Glass-Seal AR

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

THREE-TAB ASPHALT SHINGLES

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

10. HIP AND RIDGE FASTENING DETAIL

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

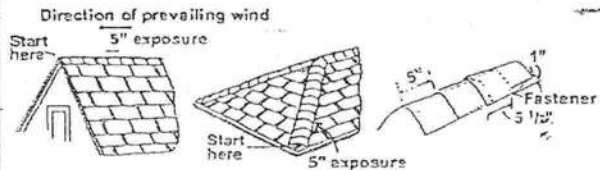
TAMKO recommends the use of TAMKO Hip & Ridge shingle products. Where matching colors are available, it is acceptable to use TAMKO's Glass-Seal or Elite Glass-Seal shingles cut down to 12 in. pieces.

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

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

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

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



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

IMPORTANT - READ CAREFULLY BEFORE OPENING BUNDLE

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

Visit Our Web Site at
www.tamko.com

Central District	220 West 4th St., Joplin, MO 64801	800-641-4691
Northeast District	4500 Tamko Dr., Frederick, MD 21701	800-368-2055
Southeast District	2300 35th St., Tuscaloosa, AL 35401	800-228-2656
Southwest District	7910 S. Central Exp., Dallas, TX 75216	800-443-1834
Western District	5300 East 43rd Ave., Denver, CO 80216	800-530-8868

07/01

Residential System Sizing Calculation

Summary

Spec House
FL 32025-

Project Title:
Isaac Construction, Inc. - Norfolk Model

Class 3 Rating
Registration No. 0
Climate: North

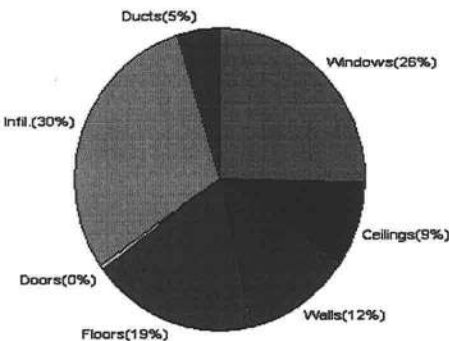
7/14/2005

Location for weather data: Gainesville - User customized: Latitude(29) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(51gr.)			
Winter design temperature	31 F	Summer design temperature	99 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	39 F	Summer temperature difference	24 F
Total heating load calculation	41673 Btuh	Total cooling load calculation	48911 Btuh
Submitted heating capacity	50000 Btuh	Submitted cooling capacity	50000 Btuh
Submitted as % of calculated	120.0 %	Submitted as % of calculated	102.2 %

WINTER CALCULATIONS

Winter Heating Load (for 2692 sqft)

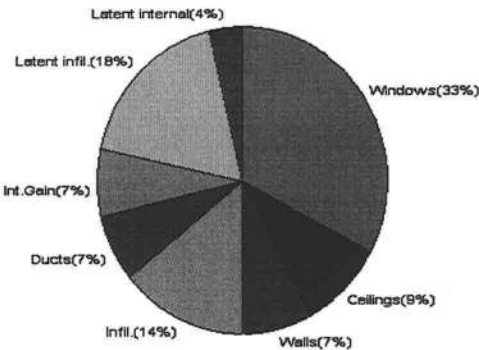
Load component		Load	
Window total	379 sqft	10726	Btuh
Wall total	1720 sqft	4930	Btuh
Door total	20 sqft	188	Btuh
Ceiling total	2892 sqft	3760	Btuh
Floor total	245 ft	7742	Btuh
Infiltration	288 cfm	12343	Btuh
Subtotal		39689	Btuh
Duct loss		1984	Btuh
TOTAL HEAT LOSS		41673	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2692 sqft)

Load component		Load	
Window total	379 sqft	16149	Btuh
Wall total	1720 sqft	3631	Btuh
Door total	20 sqft	259	Btuh
Ceiling total	2892 sqft	4569	Btuh
Floor total		0	Btuh
Infiltration	252 cfm	6646	Btuh
Internal gain		3600	Btuh
Subtotal(sensible)		34854	Btuh
Duct gain		3485	Btuh
Total sensible gain		38340	Btuh
Latent gain(infiltration)		8731	Btuh
Latent gain(internal)		1840	Btuh
Total latent gain		10571	Btuh
TOTAL HEAT GAIN		48911	Btuh



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: _____

DATE: _____

System Sizing Calculations - Winter

Residential Load - Component Details

Spec House
FL 32025-

Project Title:
Isaac Construction, Inc. - Norfolk Model

Class 3 Rating
Registration No. 0
Climate: North

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

7/14/2005

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	W	30.0	28.3	849 Btuh
2	2, Clear, Metal, DEF	W	15.0	28.3	424 Btuh
3	2, Clear, Metal, DEF	W	30.0	28.3	849 Btuh
4	2, Clear, Metal, DEF	NW	15.0	28.3	424 Btuh
5	2, Clear, Metal, DEF	W	60.0	28.3	1698 Btuh
6	2, Clear, Metal, DEF	S	20.0	28.3	566 Btuh
7	2, Clear, Metal, DEF	S	6.0	28.3	170 Btuh
8	2, Clear, Metal, DEF	N	45.0	28.3	1274 Btuh
9	2, Clear, Metal, DEF	N	4.0	28.3	113 Btuh
10	2, Clear, Metal, DEF	E	15.0	28.3	424 Btuh
11	2, Clear, Metal, DEF	E	48.0	28.3	1358 Btuh
12	2, Clear, Metal, DEF	E	40.0	28.3	1132 Btuh
13	2, Clear, Metal, DEF	S	9.0	28.3	255 Btuh
14	2, Clear, Metal, DEF	S	16.0	28.3	453 Btuh
15	2, Clear, Metal, DEF	S	6.0	28.3	170 Btuh
16	2, Clear, Metal, DEF	S	20.0	28.3	566 Btuh
Window Total			379		10726 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1452	3.1	4501 Btuh
2	Frame - Adjacent	13.0	268	1.6	429 Btuh
Wall Total			1720		4930 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjac		20	9.4	188 Btuh
Door Total			20		188Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	2892	1.3	3760 Btuh
Ceiling Total			2892		3760Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	245.0 ft(p)	31.6	7742 Btuh
Floor Total			245		7742 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.80	21536(sqft)	288	12343 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				288	12343 Btuh

Totals for Heating	Subtotal	39689 Btuh
	Duct Loss(using duct multiplier of 0.05)	1984 Btuh
	Total Btuh Loss	41673 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House
, FL 32025-

Project Title:
Isaac Construction, Inc. - Norfolk Model

Class 3 Rating
Registration No. 0
Climate: North

7/14/2005

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

System Sizing Calculations - Summer

Residential Load - Component Details

Spec House
, FL 32025-

Project Title:
Isaac Construction, Inc. - Norfolk Model

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (User customized) Summer Temperature Difference: 24.0 F 7/14/2005

Window	Type		Overhang		Window Area(sqft)			HTM		Load	
	Panes/SHGC/U/InSh/ExSh Ornt		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, DEF, N, N	W	1.5	6	30.0	4.0	26.0	25	74	2026	Btuh
2	2, Clear, DEF, N, N	W	1.5	6	15.0	0.0	15.0	25	74	1110	Btuh
3	2, Clear, DEF, N, N	W	8.5	8	30.0	24.8	5.2	25	74	1004	Btuh
4	2, Clear, DEF, N, N	NW	15.5	8	15.0	0.0	15.0	25	53	795	Btuh
5	2, Clear, DEF, N, N	W	11.5	9.66	60.0	59.1	0.9	25	74	1546	Btuh
6	2, Clear, DEF, N, N	S	22	9.66	20.0	20.0	0.0	25	39	500	Btuh
7	2, Clear, DEF, N, N	S	2.5	6	6.0	6.0	0.0	25	39	150	Btuh
8	2, Clear, DEF, N, N	N	1.5	6	45.0	0.0	45.0	25	25	1125	Btuh
9	2, Clear, DEF, N, N	N	1.5	2	4.0	0.0	4.0	25	25	100	Btuh
10	2, Clear, DEF, N, N	E	1.5	6	15.0	0.0	15.0	25	74	1110	Btuh
11	2, Clear, DEF, N, N	E	1.5	8	48.0	1.2	46.8	25	74	3493	Btuh
12	2, Clear, DEF, N, N	E	10.5	11.6	40.0	21.3	18.7	25	74	1915	Btuh
13	2, Clear, DEF, N, N	S	1.5	4	9.0	9.0	0.0	25	39	225	Btuh
14	2, Clear, DEF, N, N	S	1.5	5	16.0	16.0	0.0	25	39	400	Btuh
15	2, Clear, DEF, N, N	S	1.5	4	6.0	6.0	0.0	25	39	150	Btuh
16	2, Clear, DEF, N, N	S	1.5	6	20.0	20.0	0.0	25	39	500	Btuh
Window Total					379					16149	Btuh
Walls	Type	R-Value			Area			HTM		Load	
1	Frame - Exterior	13.0			1452.0			2.2		3223	Btuh
2	Frame - Adjacent	13.0			268.0			1.5		407	Btuh
Wall Total					1720.0					3631	Btuh
Doors	Type				Area			HTM		Load	
1	Insulated - Adjac				20.0			12.9		259	Btuh
Door Total					20.0					259	Btuh
Ceilings	Type/Color	R-Value			Area			HTM		Load	
1	Under Attic/Dark	30.0			2892.0			1.6		4569	Btuh
Ceiling Total					2892.0					4569	Btuh
Floors	Type	R-Value			Size			HTM		Load	
1	Slab-On-Grade Edge Insulation	0.0			245.0 ft(p)			0.0		0	Btuh
Floor Total					245.0					0	Btuh
Infiltration	Type	ACH			Volume			CFM=		Load	
	Natural	0.70			21536			251.8		6646	Btuh
	Mechanical							0		0	Btuh
Infiltration Total								252		6646	Btuh
Internal gain	Occupants				Btuh/occupant			Appliance		Load	
	8				X 300 +			1200		3600	Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House
, FL 32025-

Project Title:
Isaac Construction, Inc. - Norfolk Model

Class 3 Rating
Registration No. 0
Climate: North

7/14/2005

Totals for Cooling	Subtotal	34854 Btuh
	Duct gain(using duct multiplier of 0.10)	3485 Btuh
	Total sensible gain	38340 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	8731 Btuh
	Latent occupant gain (8 people @ 230 Btuh per person)	1840 Btuh
	Latent other gain	0 Btuh
	TOTAL GAIN	48911 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds/Daperies(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)

COLUMBIA COUNTY BUILDING DEPARTMENT

ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

EFFECTIVE MARCH 1, 2002

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

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

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

APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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

Applicant

Plans Examiner

☒

12

□

R

所

☒

2

All drawings must be clear, concise and drawn to scale ("Optional" details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans. Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed.

Site Plan including:

- a) Dimensions of lot
- b) Dimensions of building set backs
- c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements.
- d) Provide a full legal description of property.

Wind-load Engineering Summary, calculations and any details required

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

Elevations including:

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

[illegible]

☐ ☒ ☐ ☐ ☐ ☒ ☐ ☒

- [illegible]

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

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

- a) **Truss package including:**
 1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
 2. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
- b) **Conventional Framing Layout including:**
 1. Rafter size, species and spacing
 2. Attachment to wall and uplift
 3. Ridge beam sized and valley framing and support details
 4. Roof assembly (FBC 104.2.1 Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

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

b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)
7. Roof assembly shown here or on roof system detail (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termicide or alternative method)
11. Slab on grade
 - a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
 - b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
 - a. Attic space
 - b. Exterior wall cavity
 - c. Crawl space (if applicable)

c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

Floor Framing System:

- a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer
- b) Floor joist size and spacing
- c) Girder size and spacing
- d) Attachment of joist to girder
- e) Wind load requirements where applicable

Plumbing Fixture layout

Electrical layout including:

- a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified
- b) Ceiling fans
- c) Smoke detectors
- d) Service panel and sub-panel size and location(s)
- e) Meter location with type of service entrance (overhead or underground)
- f) Appliances and HVAC equipment

HVAC information

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

Energy Calculations (dimensions shall match plans)

Gas System Type (LP or Natural) Location and BTU demand of equipment

Disclosure Statement for Owner Builders

Notice Of Commencement

Private Potable Water

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



PAGE NO: 1 OF 1

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:1SQ2487-Z0531091324

Truss Fabricator: Anderson Truss Company
Job Identification: 5-333-ISAAC CONSTR.-#10 COBBLESTONE -- ISAAC CONSTR.-#10 COBBLESTONE
Truss Count: 66
Model Code: Florida Building Code 2001
Truss Criteria: ANSI/TPI-1995(STD)/FBC
Engineering Software: Alpine Software,Version 7.04.
Structural Engineer of Record:
Address:
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-98 -Closed

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1-1995 Section 2.2
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR487

Details: CNBRGBLK-BRCLBSUB-A11015EC-GBLLETIN

Seal Date: 08/31/2005

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

#	Ref	Description	Drawing#	Date
1	03181--A1		05242061	08/30/05
2	03182--A2		05242062	08/30/05
3	03183--A3		05242063	08/30/05
4	03184--A4		05242064	08/30/05
5	03185--A5		05242065	08/30/05
6	03186--A6		05242066	08/30/05
7	03187--A7		05242067	08/30/05
8	03188--A8		05242068	08/30/05
9	03189--B1		05243011	08/31/05
10	03190--B2		05242069	08/30/05
11	03191--B3		05242070	08/30/05
12	03192--B4		05242071	08/30/05
13	03193--B5		05242072	08/30/05
14	03194--C1		05242073	08/30/05
15	03195--C2		05242074	08/30/05
16	03196--C3		05242075	08/30/05
17	03197--C4		05242076	08/30/05
18	03198--C5		05242077	08/30/05
19	03199--C6		05242078	08/30/05
20	03200--D1GE		05242079	08/30/05
21	03201--D2		05242080	08/30/05
22	03202--D3G		05243012	08/31/05
23	03203--FG1		05243002	08/31/05
24	03204--HJK		05242081	08/30/05
25	03205--HJK1		05242082	08/30/05
26	03206--HJ7		05242083	08/30/05
27	03207--EJ7		05242084	08/30/05
28	03208--EJK1		05243003	08/31/05
29	03209--EJK2		05242085	08/30/05
30	03210--R5		05242086	08/30/05
31	03211--J5K		05242087	08/30/05
32	03212--J5		05242088	08/30/05
33	03213--HJR		05242089	08/30/05
34	03214--J3K		05242090	08/30/05
35	03215--J3		05242091	08/30/05
36	03216--EJR		05242092	08/30/05

#	Ref	Description	Drawing#	Date
37	03217--J1		05242093	08/30/05
38	03218--K1		05242094	08/30/05
39	03219--K2		05242095	08/30/05
40	03220--K3		05242096	08/30/05
41	03221--K4		05242097	08/30/05
42	03222--K5		05243004	08/31/05
43	03223--N1GE		05242098	08/30/05
44	03224--N2		05242099	08/30/05
45	03225--N3		05242100	08/30/05
46	03226--AP1		05242101	08/30/05
47	03227--AP2		05242102	08/30/05
48	03228--AP3		05242103	08/30/05
49	03229--AP4		05242104	08/30/05
50	03230--AP5		05242105	08/30/05
51	03231--AP6		05242106	08/30/05
52	03232--AP7		05242107	08/30/05
53	03233--AP8		05242108	08/30/05
54	03234--AP9		05242109	08/30/05
55	03235--AP10		05242110	08/30/05
56	03236--AP11		05242111	08/30/05
57	03237--AP12		05242112	08/30/05
58	03238--AP13		05242113	08/30/05
59	03239--AP14		05242114	08/30/05
60	03240--AP15		05242115	08/30/05
61	03241--AP16		05242116	08/30/05
62	03242--R1		05243001	08/31/05
63	03243--R2		05243005	08/31/05
64	03244--R3		05243006	08/31/05
65	03245--R4G		05243007	08/31/05
66	03246--S1GE		05243008	08/31/05



Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Page 1 of 1 Document ID:1SQ2487-Z0531091324

Truss Fabricator: Anderson Truss Company
Job Identification: 5-333-ISAAC CONSTR.-#10 COBBLESTONE -- ISAAC CONSTR.-#10 COBBLESTONE
Truss Count: 1
Model Code: Florida Building Code 2001
Truss Criteria: ANSI/TPI-1995 (STD)/FBC
Engineering Software: Alpine Software, Version 7.04.
Structural Engineer of Record:
Address:
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-98 -Closed

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1-1995 Section 2.2
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR487

Seal Date: 08/31/2005

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

Revised Trusses

#	Ref	Description	Drawing#	Date
1	03200--D1GE		05242079	08/30/05

ALPINE



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

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

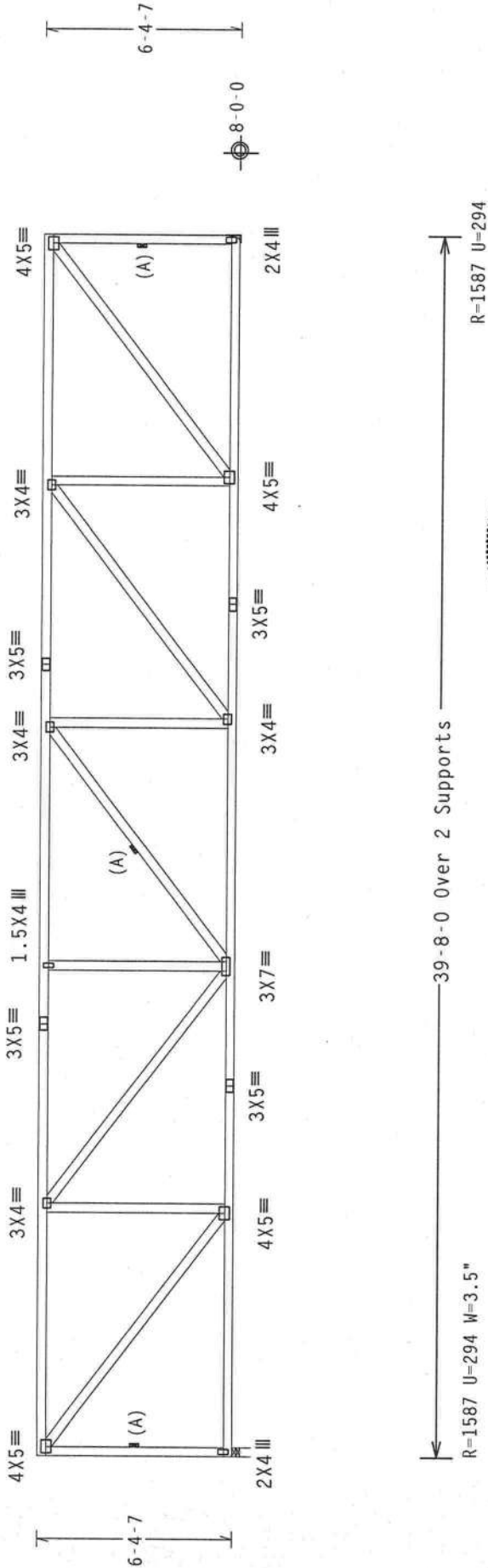
End verticals not exposed to wind pressure.

Max JT VERT DEFL: LL: 0.15" DL: 0.15" recommended camber 1/4"

(A) Continuous lateral bracing equally spaced on member.

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

Truss must be installed as shown with top chord up.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.0

FL/-3/-/-R/-

Scale =.1875"/Ft.

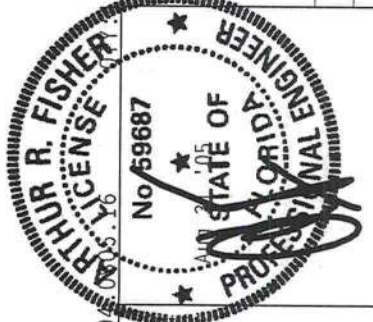
ALPINE

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

FL Certificate of Authorization # 567

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 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 TRUSSES SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN OF THIS TRUSS. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING TRUSSES SHALL BE THE RESPONSIBILITY OF THE INSTALLER. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&P) AND TPI. CONNECTOR PLATES ARE MADE OF 2018/160A (H-H/S/K) ASTM A653 GRADE 40/50 (H, K/H-S) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS 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 --	3182
TC DL	10.0 PSF	DATE	08/30/05
BC DL	10.0 PSF	DRW	HCUSR487 05242062
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	26624
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF-	1S02487 705

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

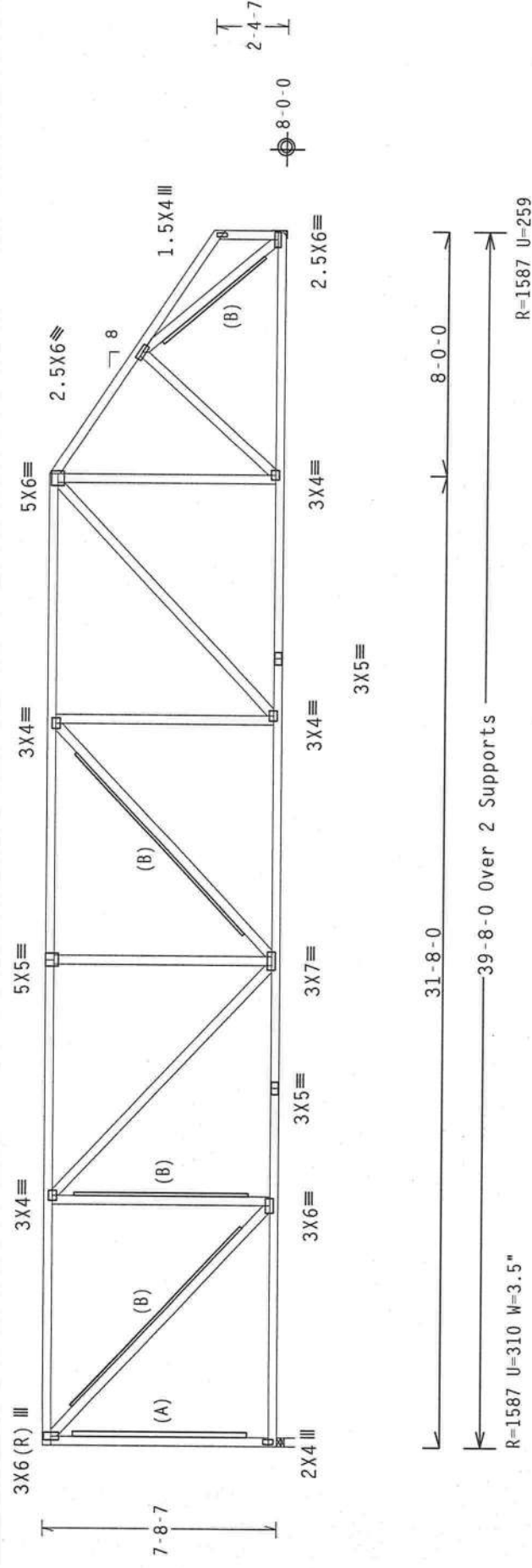
End verticals not exposed to wind pressure.

(A) 2x4 SP #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

110 mph wind, 13.04 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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



PLT TYP. Wave TPI

Design Crit: TPI-1995 (STD) / FRC

Scale = .1875" / Ft.

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. REFERRING TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 983 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**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/AS) ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (W, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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. REFERRING TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 983 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**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/AS) ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (W, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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. REFERRING TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 983 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**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/AS) ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (W, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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. REFERRING TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 983 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**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/AS) ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (W, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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. REFERRING TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 983 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**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/AS) ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (W, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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. REFERRING TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 983 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**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/AS) ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (W, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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. REFERRING TO BC

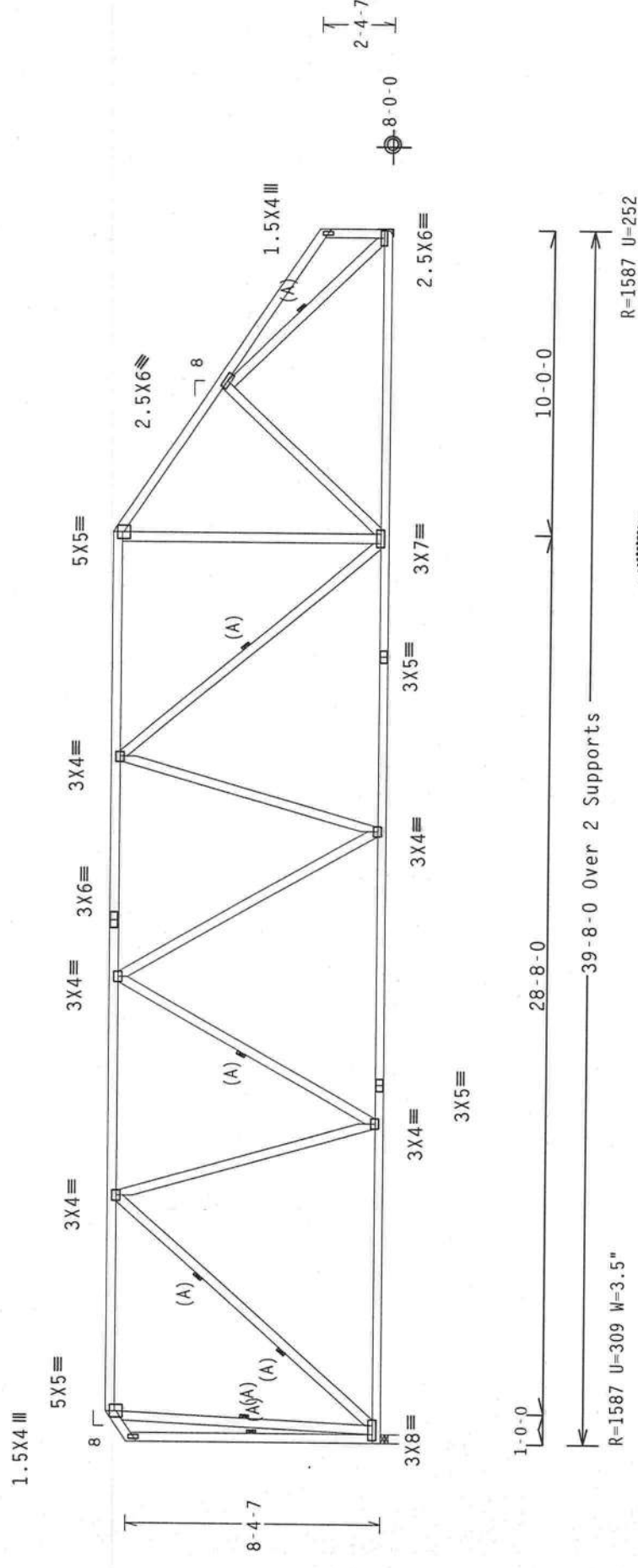
Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	

110 mph wind, 13.70 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 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.

(A) Continuous lateral bracing equally spaced on member.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7

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

Scale = .1875"/Ft.

WARNING: TRUSSES REQUIRE EXTREME CARE IN INFORMATION, HANDLING, SHIPPING, INSTALLING AND BRACING TO BECS 1-103 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 5685 D'ORFORD RD., SUITE 200, MADISON, WI 53719) AND MCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE NOTICED ON THIS CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

[illegible]

ALPINE

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

FL Certificate of Authorization # 567

TC LL	20.0	PSF	REF R487 --	3184
TC DL	10.0	PSF	DATE	08/30/05
BC DL	10.0	PSF	DRW	HCUSR487 05242064
BC LL	0.0	PSF	HC-ENG	TCE/AF
TOT.LD.	40.0	PSF	SEQN-	26643
DUR.FAC.	1.25		FROM	JP
SPACING	24.0"		JREF-	1S02487 705

(5-333-ISAAC CONSTR. - #10 COBBLESTONE - ISAAC CONSTR. - #10 COBBLESTONE - A5)

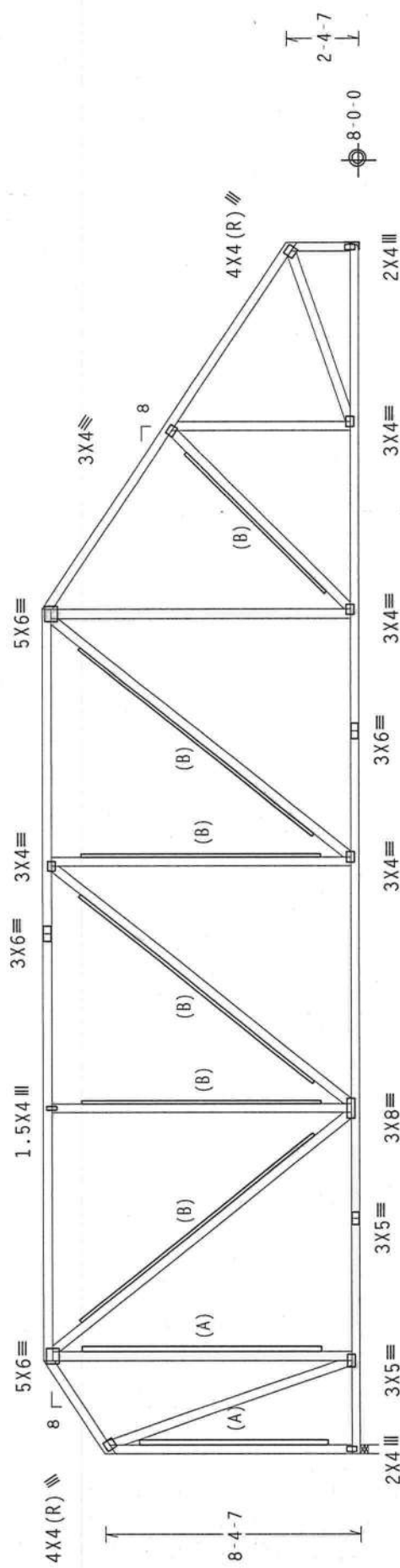
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

End verticals not exposed to wind pressure.

(A) 2x6 SP #3 or better "T" brace. 80% length of web member.
Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

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

(B) 1x4 SP #3 or better "T" brace. 80% length of web member.
Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.
Deflection meets L/360 live and L/240 total load.



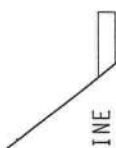
3'-0-0 24'-8-0 12'-0-0
R=1587 U=304 W=3.5"
39'-8-0 Over 2 Supports
R=1587 U=249

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

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 BEST PRACTICES (BUILDING COMPONENTS SAFETY INFORMATION) FOR BEST PRACTICES. TRUSSES SHOULD BE PLACED ON A RIGID CEILING. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.		TC LL	20.0 PSF	REF	R487 - -	3185
	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 2018/1866 (4-H/5/7) ASTM A653 GRADE 40/60 (4. K/H/5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGNING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.		TC DL	10.0 PSF	DATE	08/30/05	
			BC DL	10.0 PSF	DRW	HCUSR487	05242065
			BC LL	0.0 PSF	HC-ENG	TCE/AF	
			TOT.LD.	40.0 PSF	SEQN	26681	
			DUR.FAC.	1.25	FROM	JP	
			SPACING	24.0"	JREF	1SQ2487_Z05	

(5-333-ISAAC CONSTR.-#10 COBBLESTONE -- ISAAC CONSTR.-#10 COBBLESTONE - A6)

Top chord 2x6 SP #2 :T1, T6 2x4 SP #2 Dense:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

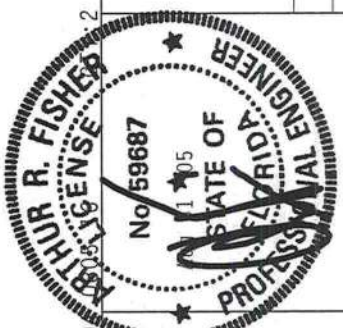
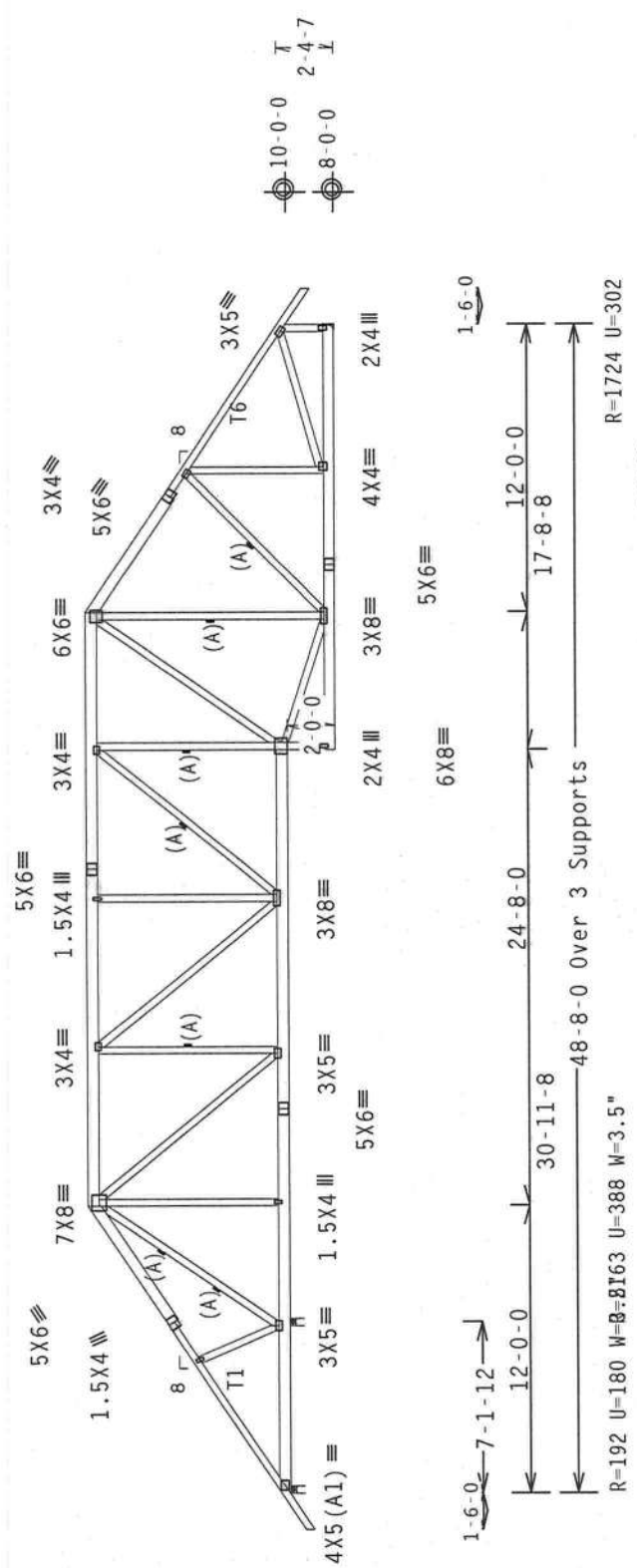
(A) Continuous lateral bracing equally spaced on member.

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

110 mph wind, 13.87 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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



PLT TYP. Wave TPI	Design Crit: TPI-1995(STD)/FBC	7.0	2	FL/-/3/-/-/R/-	Scale = .125"/Ft.
		TC LL	20.0 PSF	REF R487 --	3186
		TC DL	10.0 PSF	DATE	08/30/05
		BC DL	10.0 PSF	DRW	HCUSR487 05242066
		BC LL	0.0 PSF	HC-ENG	TCE/AF
		TOT.LD.	40.0 PSF	SEQN-	26791
		DUR.FAC.	1.25	FROM	JP
		SPACING	24.0"	JREF-	1SQ2487_Z05

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 3600 O'DONOHUE DR., SUITE 200, MADISON, WI 53719, AND WEA (WOOD ENGINEERING ASSOCIATION), 1000 W. 10TH AVE., SUITE 100, DENVER, CO 80202, FOR ADDITIONAL INFORMATION. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/1666 (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 DESIGN SHOWS THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

Alpine Engineered Products, Inc.
1550 Morley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

(5-333-ISAAC CONSTR.-#10 COBBLESTONE -- ISAAC CONSTR.-#10 COBBLESTONE - A7)

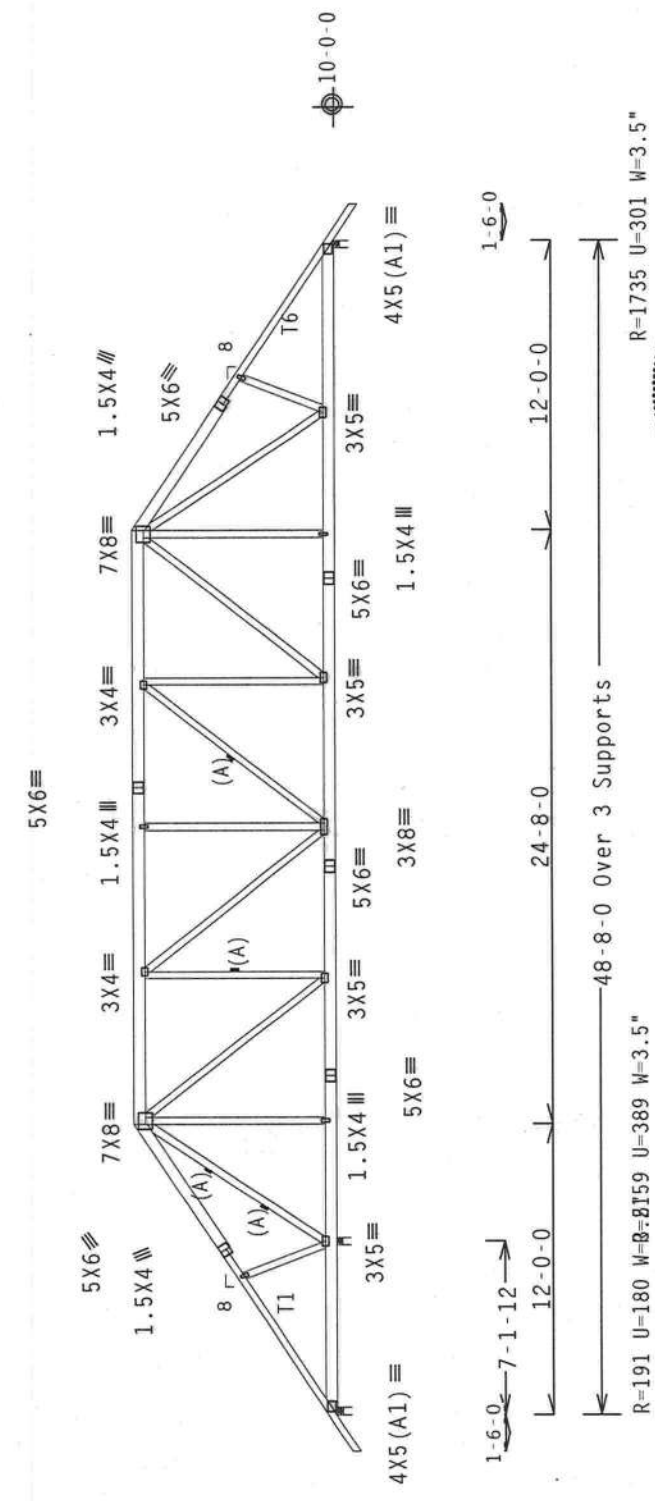
Top chord 2x6 SP #2 :T1, T6 2x4 SP #2 Dense:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

(A) Continuous lateral bracing equally spaced on member.

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

110 mph wind, 13.87 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

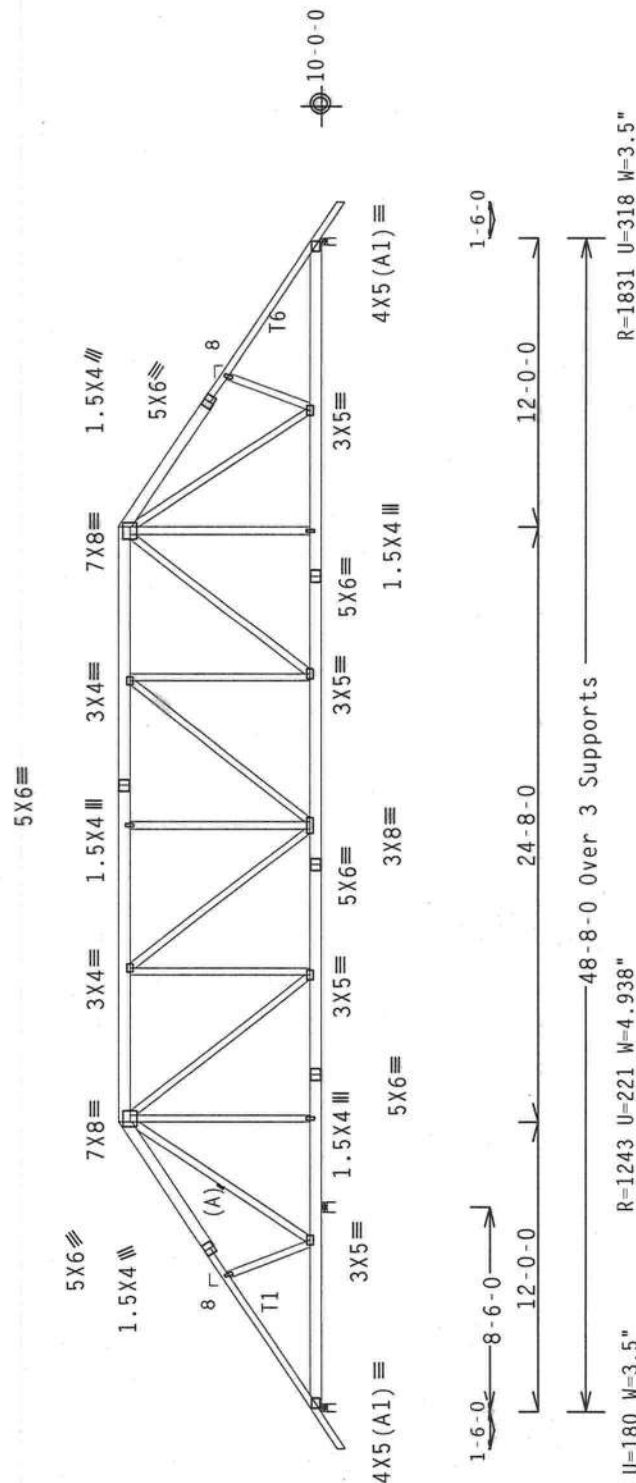


PLT TYP. Wave TPI		Design Crit: TPI-1995(STD)/FBC		Scale = .125"/Ft.	
ALPINE		7.00		FL/-/3/-/-/R/-	
ALPINE ENGINEERED PRODUCTS, INC. 1050 Marley Drive Haines City, FL 33844		R=1735 U=301 W=3.5"		TC LL 20.0 PSF	
FL Certificate of Authorization #567		1-6-0 7-1-12 12-0-0 24-8-0 48-8-0 Over 3 Supports		TC 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-- 3187	
				DATE 08/30/05	
				DRW HCUR487 05242067	
				HC-ENG TCE/AF	
				SEQN- 26773	
				FROM JP	
				JREF- 1SQ2487_Z05	

110 mph wind, 13.87 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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.



R=1012 H=180 W=3.5"

R=1243 U=221 W=4.938"

R=1831 U=318 W=3.5"

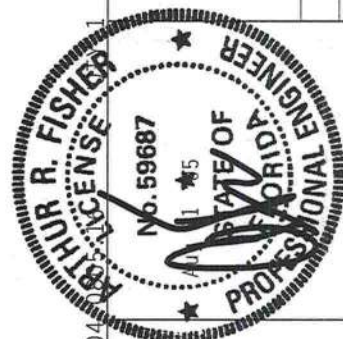
PLT TYP.: Wave TPI

Design Crit: TPI-1995(STD)/FBC

043

Scale = .125"/Ft.

TC LL	20.0	PSF	REF R487-- 3188
TC DL	10.0	PSF	DATE 08/30/05
BC DL	10.0	PSF	DRW HCURS487 05242068
BC LL	0.0	PSF	HC-ENG TCE/AF
TOT.LD.	40.0	PSF	SEQN- 26801
DUR.FAC.	1.25		FROM JP
SPACING	24.0"		JREF- 1S02487_Z05



ALPINE

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 2x6 SP #2 :T1

Bot chord 2x6 SP #2 :B4

Webs 2x4 SP #3 : W4

SPECIAL LOADS

----- (LUMBER DUR.FAC. =
 TC - From 60 PLF at
 BC - From 4 PLF at

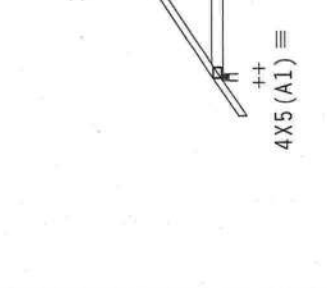
BC -	From	20 PLF at
PLT -	*139	LB Conc. Load
PLT -	*139	LB Conc. Load
PLT -	*139	LB Conc. Load

PLB-1599 LB Conc. Load.
PLB-131 LB Conc. Load.
PLB-131 LB Conc. Load.

PLB- *496 LB Conc. Load
Deflection meets L/360

* Provide connection for

++ Provide connection to a 1.25 Duration Factor



1-6-0
R=-1762 U=18

PLT TYP. Wave TPI



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

Top chord 2x6 SP #2 :T1, T7 2x4 SP #2 Dense:
Bot chord 2x6 SP #2 :B4, B5 2x4 SP #2 Dense:
Webs 2x4 SP #3 :W23 2x4 SP #2 Dense:

110 mph wind, 13.87 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

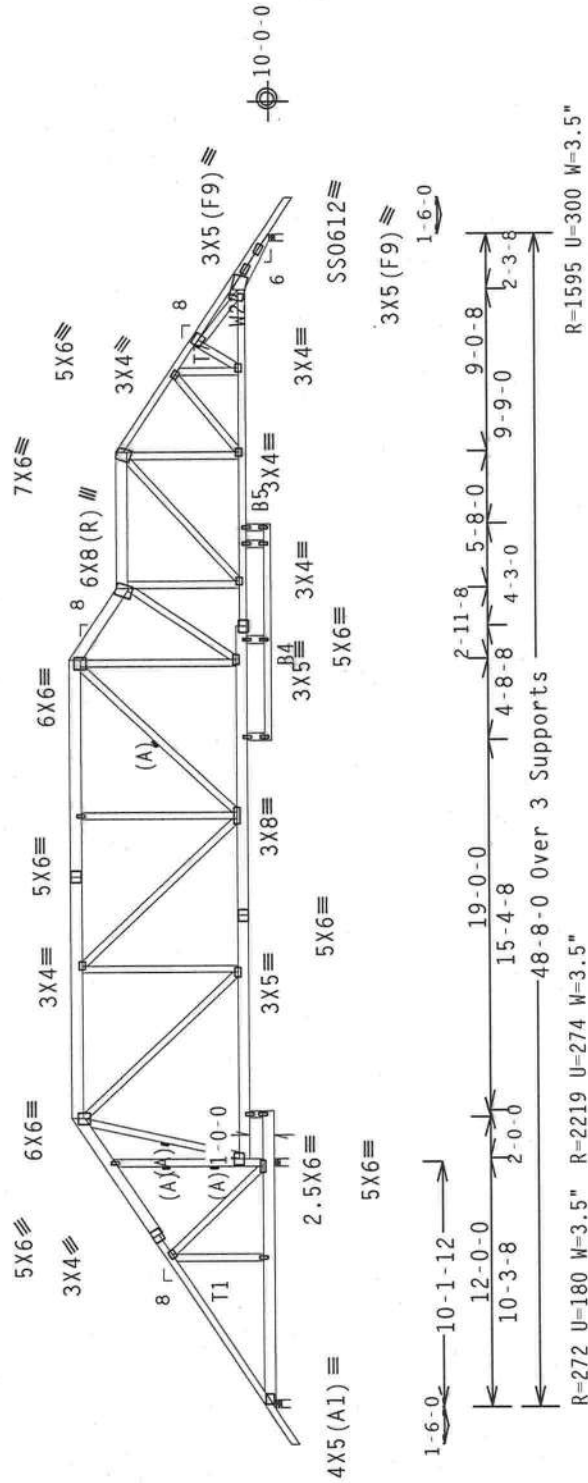
(A) Continuous lateral bracing equally spaced on member.

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.

Laterally brace BC at 24" OC in lieu of rigid ceiling.
Laterally brace BC above filler at 24" OC including a
lateral brace at chord ends.

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

Shim all supports to solid bearing.



Note: All Plates Are 1.5X4 Except As Shown.

PIT TYP.	18 Gauge	HS Wave	TPI
Design Crit:	TPI - 1995 (STD) / FBC		
Scale = .125" / Ft.	7.00	- / - / - / R -	FL / - / 3 - / - / R -

TC LL	20.0	PSF	REF	R487--	3190
TC DL	10.0	PSF	DATE	08/30/05	
BC DL	10.0	PSF	DRW	HCUSR487	05242069
BC LL	0.0	PSF	HC-ENG	TCE/AF	
TOT.LD.	40.0	PSF	SEQN-	26992	
DUR.FAC.	1.25		FROM	JP	
SPACING	24.0"		JREF-	1SQ2487_Z05	



ALPINE

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

FL Certificate of Authorization # 567

Top chord	2x6	SP	#2	:T1	2x4	SP	#2	Dense:
Bot chord	2x6	SP	#2	:B4	2x4	SP	#2	Dense:
Webs 2x4 SP #3								

110 mph wind, 13.87 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf

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

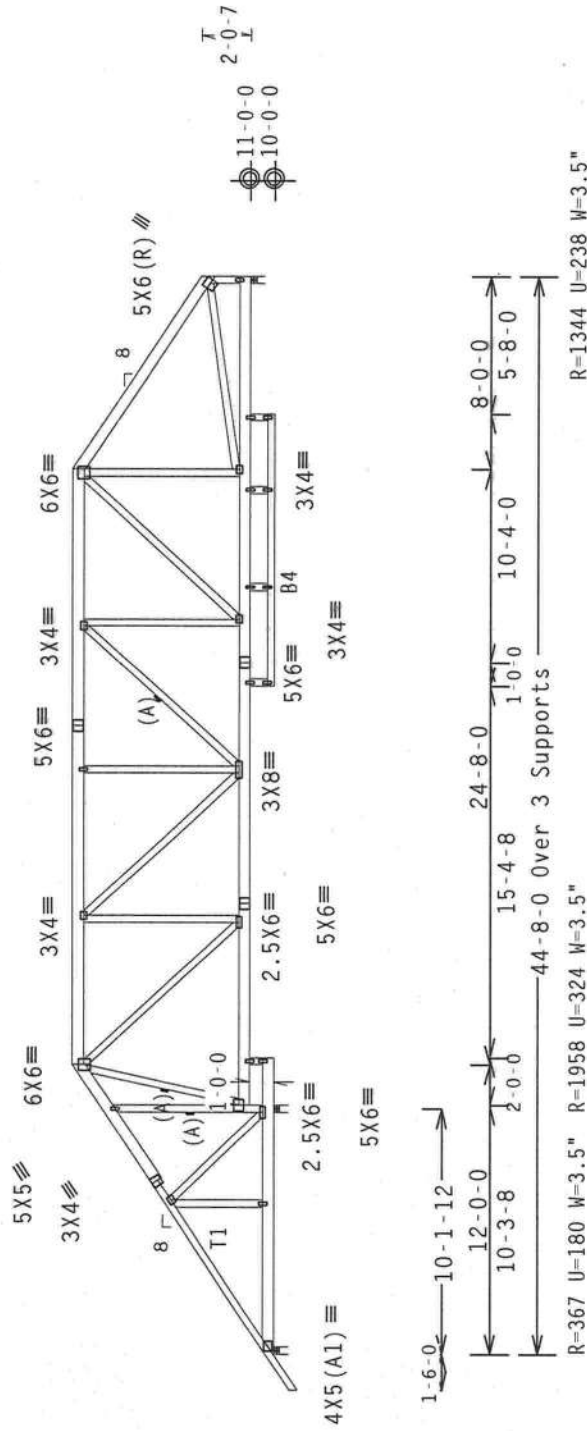
Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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

Laterally brace BC at 24" OC in lieu of rigid ceiling.

Laterally brace BC above filler at 24" OC including a lateral brace at chord ends.



Note: All Plates Are 1.5X4 Except As Shown.

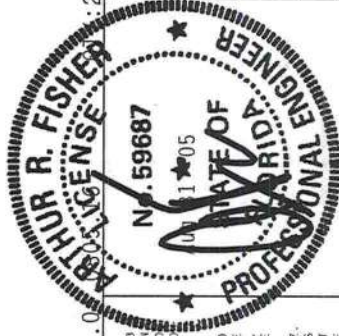
PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

FI 1-131-1-1R/-

Scale = 125"/Et

TC LL	20.0	PSF	REF	R487 --	3192
TC DL	10.0	PSF	DATE	08/30/05	
BC DL	10.0	PSF	DRW	HCUSR487	05242071
BC LL	0.0	PSF	HC-ENG	TCE/AF	
TOT.LD.	40.0	PSF	SEEN-	26905	
DUR.FAC.	1.25		FROM	JP	
SPACING	24.0"		JREF-	1SQ2487_Z05	



ALPINE

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

FL Certificate of Authorization # 567

110 mph wind, 13.87 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf

Right end vertical not exposed to wind pressure.

Laterally brace BC at 24" OC in lieu of rigid ceiling.
Laterally brace BC above filler at 24" OC including a
lateral brace at chord ends.



5"

Scale = .125"/Ft.



REPLY TO EACH PAGE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS INDICATED. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A.3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.

Haines City, FL 33844
FL Certificate of Authorization # 567

Bearing blocks: Nail type: 12d Box or Gun (0.128"x3.25", min.)_nails
 BRG X-LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE
 1 0.000' 1 12" 4 Match Truss
 Bearing block to be same size and species as bottom chord.
 Refer to drawing CNBRGCLK1103 for additional information.

Right end vertical not exposed to wind pressure.

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

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



R=2970 U=554 W=3.5"

35-9-0 Over 2 Supports

R=3030 U=540

PLT TYP. 20 Gauge HS, Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

Scale = .1875" / Ft.

FL / -3 / - / -R / -

TC LL	20.0 PSF	REF R487 - - 3194
TC DL	10.0 PSF	DATE 08/30/05
BC DL	10.0 PSF	DRW HCUR487 05242073
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN - 26485
DUR.FAC.	1.25	FROM JP
SPACING	SEE ABOVE	JREF - 1SQ2487_Z05



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC1 1-03 (FABRICATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 583 MADISON, MI 48249, AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LN., MADISON, MI 48221) FOR BEST PRACTICES PERTAINING TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PROJECTS. THE SUBMITTER BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS CONFORMANCE WITH THE PROVISIONS OF THE NATIONAL DESIGN SPEC, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC (FEMA). CONNECTOR PLATES ARE MADE OF 20/18/16GA (R/H/S/P) ASTM A653 GRADE 40/60 (R/ 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/TP1 1 SEC. 2.



ALPINE

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

ALPINE

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

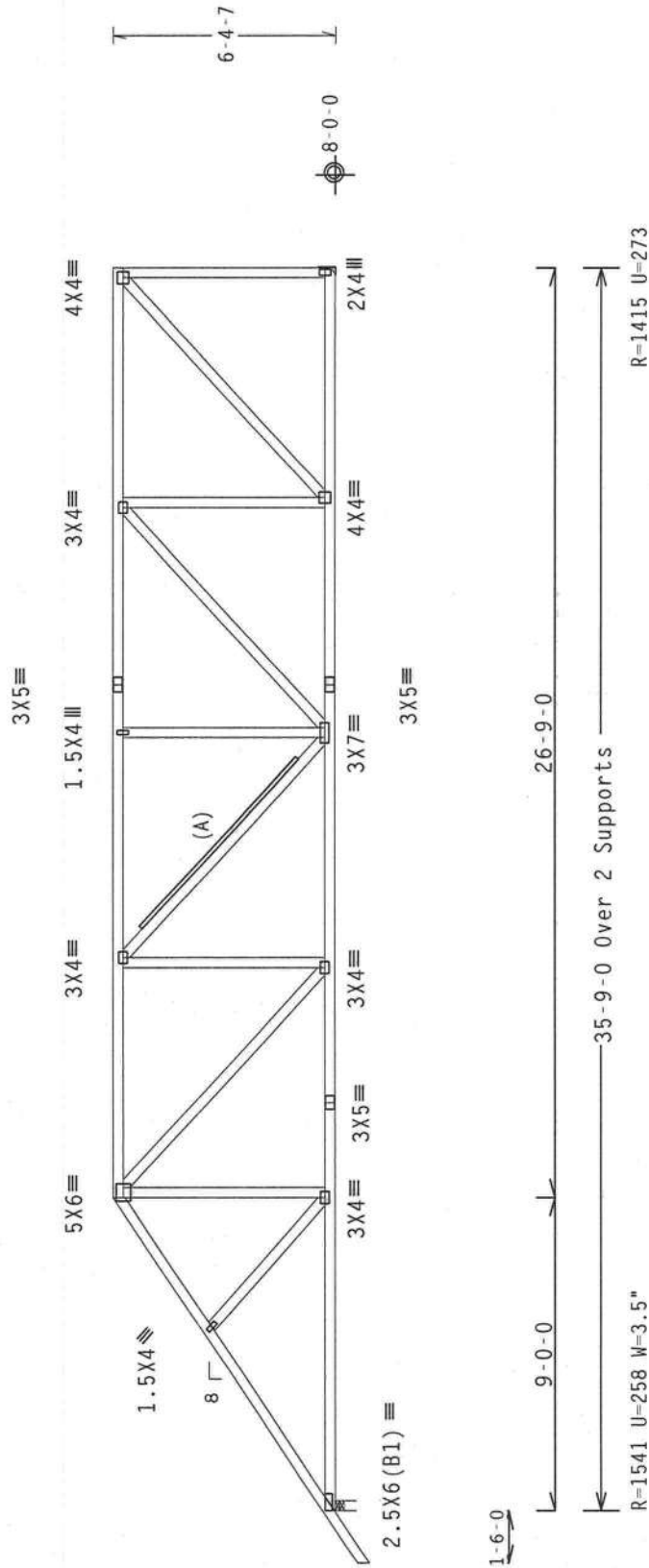
FL Certificate of Authorization # 567

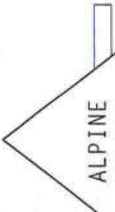
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

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

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



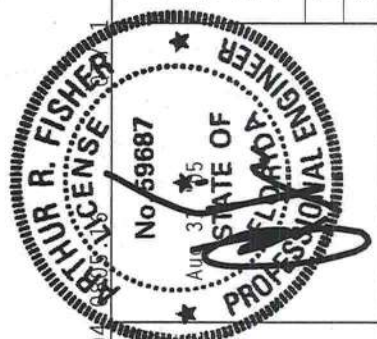
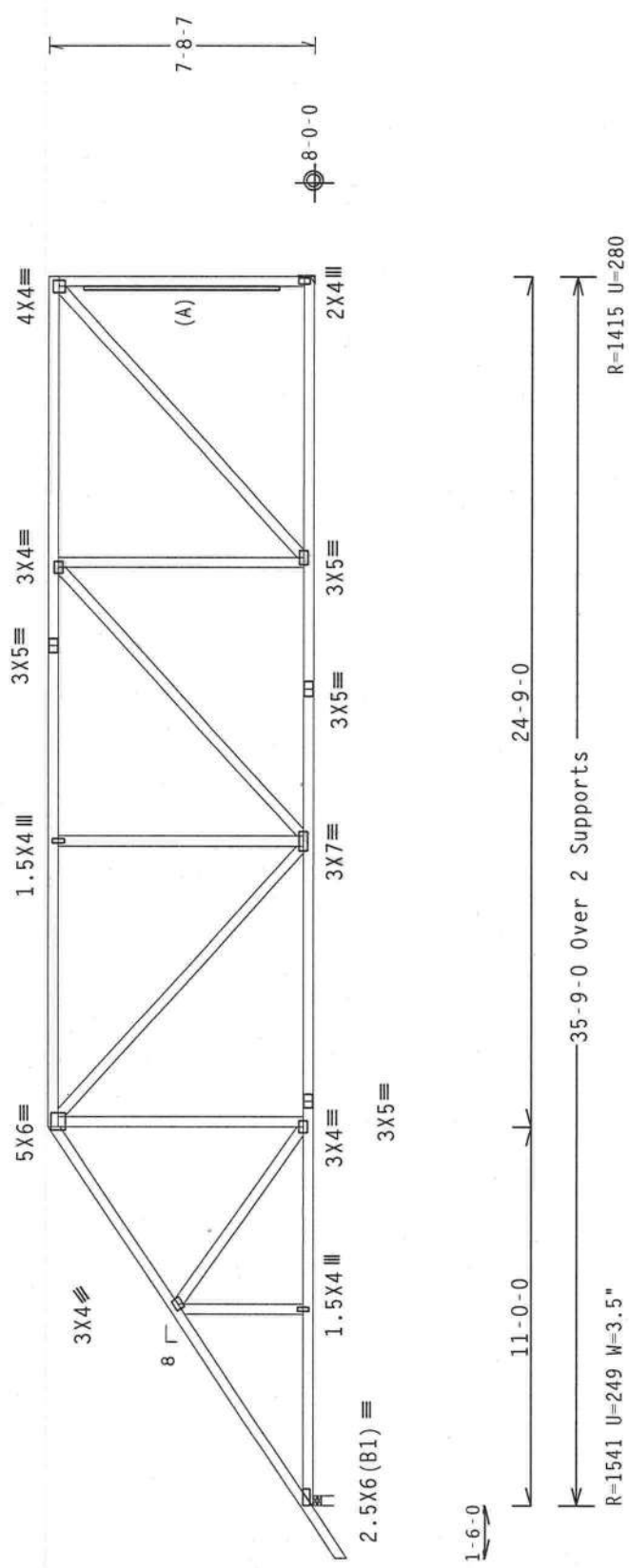
PLT TYP. Wave TPI	Design Crit: TPI-1995(STD)/FBC		7.0	FL/-/3/-/-/R/-		Scale = .1875"/Ft.	
	35-9-0 Over 2 Supports			R=1415 U=273		TC LL	20.0 PSF
		Alpine Engineered Products, Inc. 1950 Manley Drive Haines City, FL 33844		FL Certificate of Authorization # 567		TC DL	10.0 PSF
						BC DL	10.0 PSF
						BC LL	0.0 PSF
						TOT.LD.	40.0 PSF
						DUR.FAC.	1.25
						SPACING	24.0"
						REF	R487-- 3195
						DATE	08/30/05
						DRW	HCUSR487 05242074
						HC-ENG	TCE/AF
						SEQN	26396
						FROM	JP
						JREF	1SQ2487_Z05

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

110 mph wind, 11.54 ft mean hgt., ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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



PLT TYP. Wave TPI



ALPINE

Alpine Engineered Products, Inc.
 1350 Marley Drive
 Haines City, FL 33844

FL Certificate of Authorization # 567

Design Crit: TPI-1995 (STD)/FBC

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. (SEE TPI TRUSSCOMPONENT INFORMATION). TRUSSES SHIP BY TPI (TRUSS PLATE INSTITUTE, 583 HUNTERS LANE, SUITE 200, HUNTSVILLE, AL 35894) OR BY THE CUSTOMER'S FREIGHT CARRIER. HUNTSVILLE, AL 35894) 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. (A1/S1) ASTM A653 GRADE 40/50 (A1, 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 AMEX A3 OF TPI-2002 SEC. 2. 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.

7.04

PROFESSIONAL ENGINEER

FLORIDA

STATE OF

AUG 31 2015

No 59687

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
DUR. FAC.	1.25	
SPACING	24.0"	

Scale = .1875" / Ft.

REF R487 -- 3196

DATE 08/30/05

DRW HCUSR487 05242075

HC-ENG TCE/AF

SEON - 26411

FROM JP

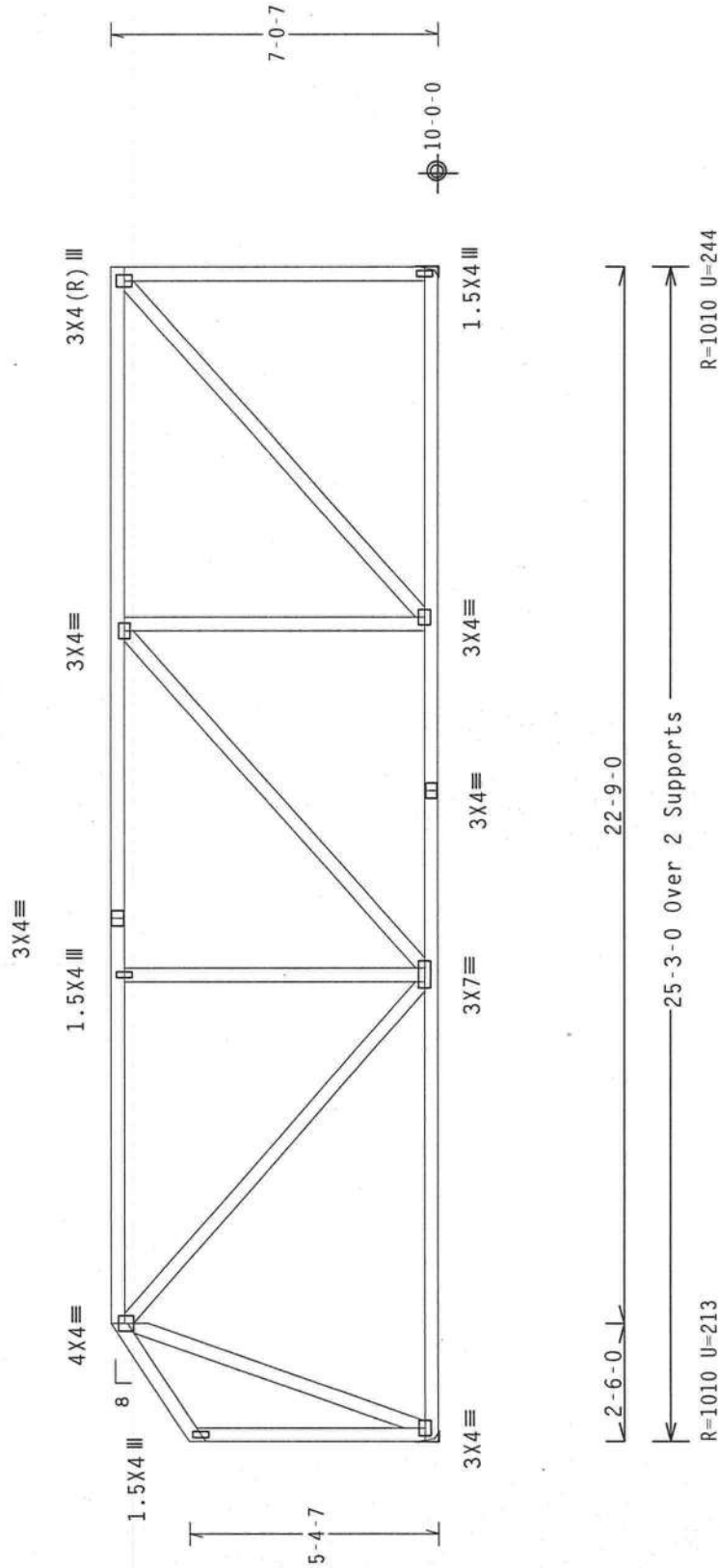
JREF - 1S02487_Z05

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

110 mph wind, 16.20 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

End verticals not exposed to wind pressure.

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



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.0

Scale = .25"/Ft.

ALPINE

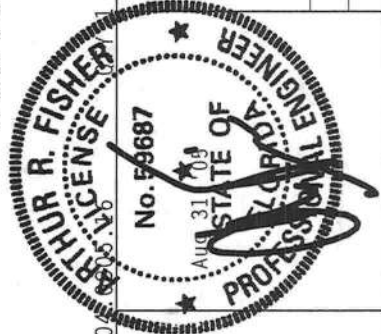
Alpine Engineered Products, Inc.
1950 Kinney Drive
Haines City, FL 33844

FL Certificate of Authorization # 567

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC1 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFIO 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 BE RESPONSIBLE FOR PROVIDING THE DESIGN INFORMATION. ANY FAILURE TO BUILD OR INSTALL THE TRUSS IN ACCORDANCE WITH THE DESIGN INFORMATION SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE DESIGNER SHALL BE RESPONSIBLE FOR PROVIDING THE DESIGN INFORMATION. ANY FAILURE TO BUILD OR INSTALL THE TRUSS IN ACCORDANCE WITH THE DESIGN INFORMATION SHALL BE THE RESPONSIBILITY OF THE INSTALLER.

CONNECTOR PLATES ARE MADE OF 2018/16GA (H/H/S) ASTM A653 GRADE 40/60 (H, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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	
DUR.FAC.	1.25	
SPACING	24.0"	

REF	R487--	3197
DATE	08/30/05	
DRW	HCUSR487	05242076
HC-ENG	TCE/AF	
SEQN-	26428	
FROM	JP	
JREF-	1SQ2487_Z05	

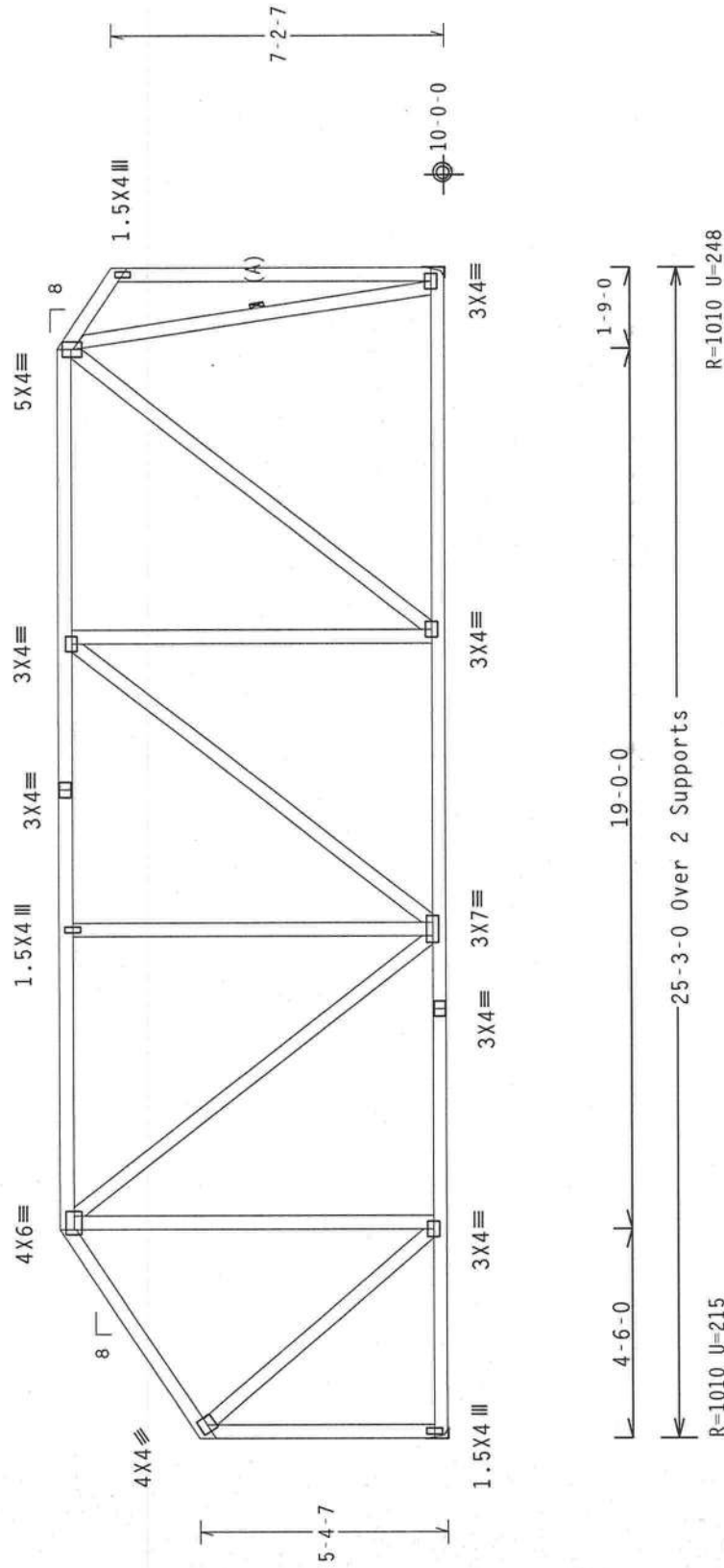
Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	

110 mph wind, 16.87 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf

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.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

.04.

Scale = .25"/Ft.

TC LL	20.0	PSF	REF	R487 --	3198
TC DL	10.0	PSF	DATE	08/30/05	
BC DL	10.0	PSF	DRW	HCUSR487	05242077
BC LL	0.0	PSF	HC-ENG	TCE/AF	
TOT.LD.	40.0	PSF	SEQN-	26649	
DUR.FAC.	1.25		FROM	JP	
SPACING	24.0"		JREF-	1SQ2487_Z05	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BECI 303 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 100 NORTH MICHIGAN, SUITE 1000, CHICAGO, ILL. 60602-1000, FOR SAFETY PRECAUTIONS PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED 1" X 6" CEILING.

*****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAIL FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN, OR FABRICATING, HANDLING, DESIGN, OR INSTALLING THE TRUSS DESIGN COMPONENTS WITHOUT PROVISIONS MADE HEREIN, SHALL BE THE RESPONSIBILITY OF THE TRUSS COMPONENT DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI-1 SEC. 2.

Alpine Engineered Products, Inc.
1950 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
Webbs	2x4	SP	#3	:W14 2

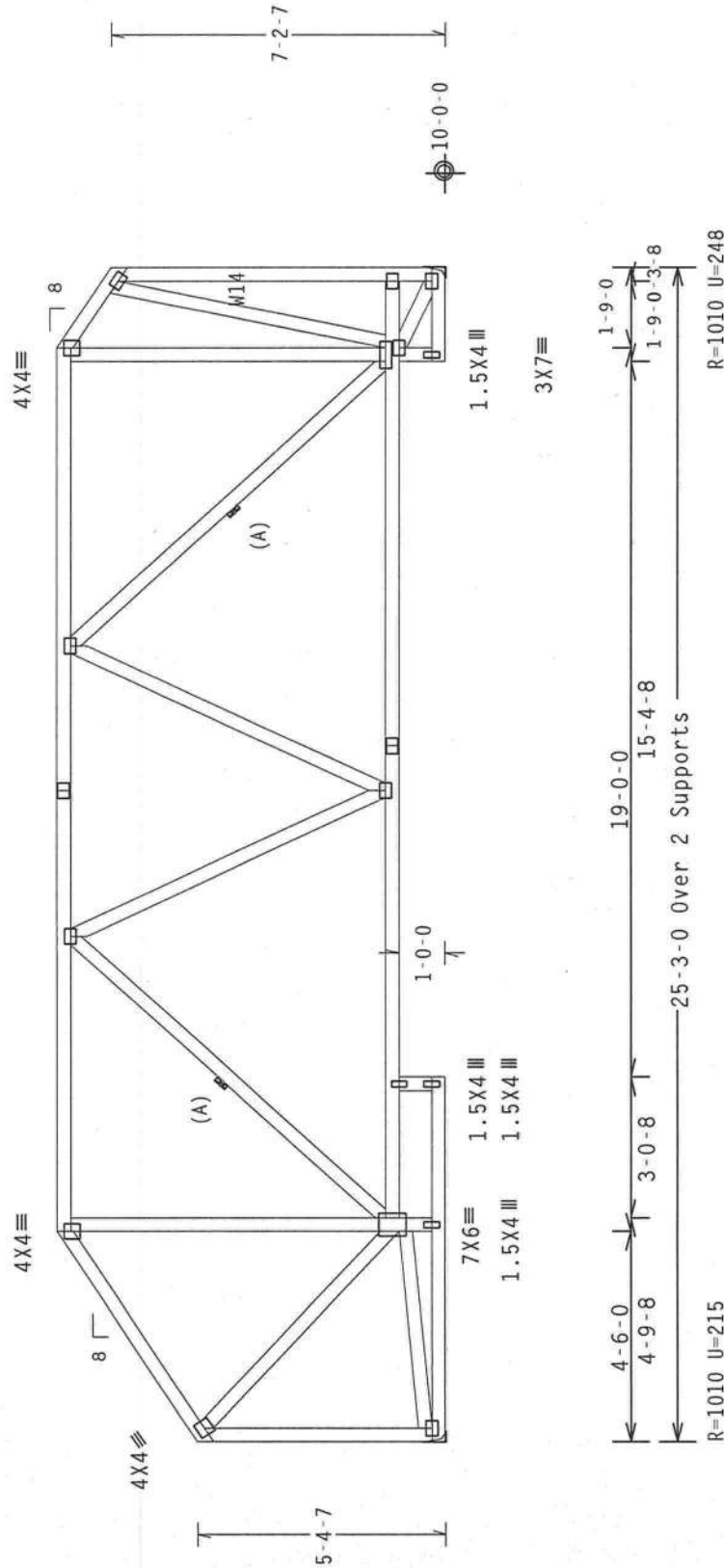
End verticals not exposed to wind pressure.

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

Laterally brace BC at 24" OC in lieu of rigid ceiling.
Laterally brace BC above filler at 24" OC including a lateral brace at chord ends.

110 mph wind, 16.87 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



Note: All Plates Are 3X4 Except As Shown.

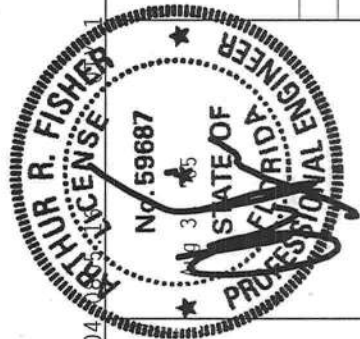
PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

.045

Scale = .25"/Ft.

TC LL	20.0	PSF	REF R487 - - 3199
TC DL	10.0	PSF	DATE 08/30/05
BC DL	10.0	PSF	DRW HCUR487 05242078
BC LL	0.0	PSF	HC-ENG TCE/AF
TOT.LD.	40.0	PSF	SEQN - 27169
DUR.FAC.	1.25		FROM JP
SPACING	24.0"		JREF - 1S02487_Z05

[illegible]

****IMPORTANT****TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE
TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES,
DESIGN COMPLIES WITH ALL APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND THE
STEEL EDITIONS THEREOF. THE TRUSS IS DESIGNED AS AN UNBOLTED CONNECTION TO STEEL.
PLATES TO EACH FACE OF FLOORS AND CEILING ARE REQUIRED TO BE WELD TO THE STEEL ANGLES.
ANY PLACEMENT OF PLATES FOLLOWED BY (U) SHALL BE PER ANEX A OF TPI-2002 SEC. 2.
ANY PLACEMENT OF PLATES FOLLOWED BY (L) SHALL BE PER ANEX A OF TPI-2002 SEC. 2.
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT
AND NOT FOR THE ENTIRE PROJECT. THIS DOCUMENT IS FOR THE USE OF THIS CONTRACT 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

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

110 mph wind, 11.28 ft mean hgt., ASCE 7-98, CLOSED bldg., Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

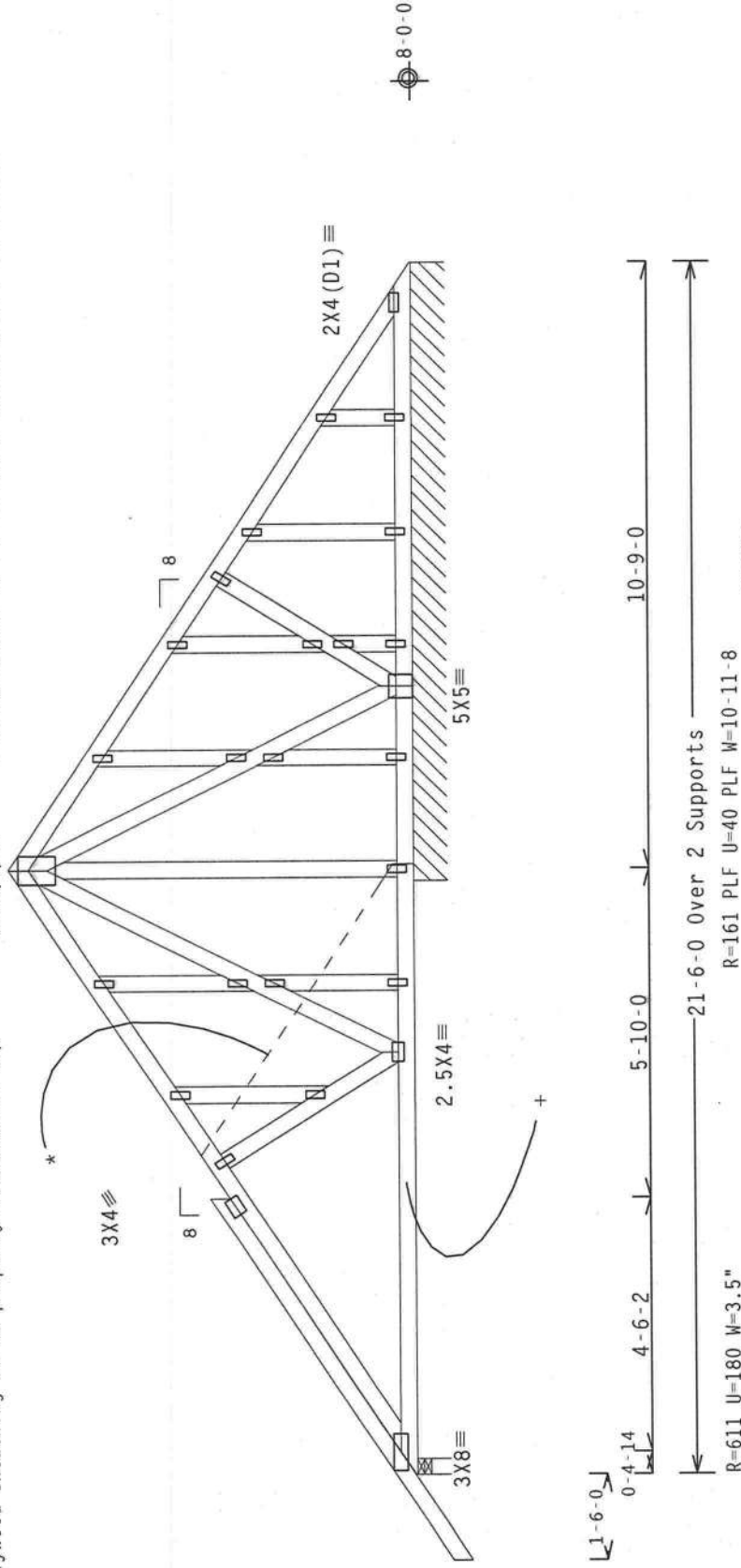
See DWGS A11015EC1103 & GBLLETIN1103 for more requirements.

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

The Building Designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the gable end. All connections to be designed by the Building Designer.

- + Member to be laterally braced for horizontal wind loads. Bracing system to be designed and furnished by others.

* Line of adjacent roof: 2x4 SP scab to be applied with top of scab located flush with adjacent roof line & attached with (3) 0.125x3.0" 10d Box nails in each member overlapped by scab. Plywood sheathing to be properly attached to top of scab.



Note: All Plates Are 1.5X4 Except As Shown.

PILT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.0.

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

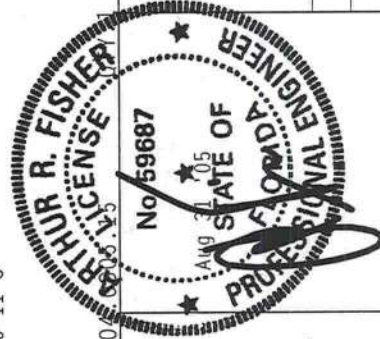
Scale = .3125" / Ft.

*WARNING** THOSSES REQUIRE EXTREME CARE IN FABRICATION. HANING LOGS, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING CONSTRUCTION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 563 MADISON, ST. LOUIS, MISSOURI 63103) AND WEA (WOOD PRESSES COUNCIL OF AMERICA, 6200 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED TOP CHORD FEELING.

****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&P) AND TPI. ALPINE CONNECTOR PLATES ARE AVAILABLE 2010/16GA (W/H=53) ASTM A653 GRADE 40/50 (W/H=53) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. A SEAL ON THIS INSPECTION OF BLUES FOLLOWED BY J13 SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3.

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

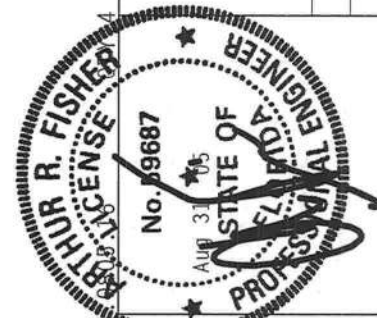
FL Certificate of Authorization # 567



TC LL	20.0	PSF	REF	R487 --	3200
TC DL	10.0	PSF	DATE	08/30/05	
BC DL	10.0	PSF	DRW	HCUSR487	05242079
BC LL	0.0	PSF	HC-ENG	TCE/AF	
TOT.LD.	40.0	PSF	SEQN-	62509	REV
DUR.FAC.	1.25		FROM	JP	
SPACING	SEE ABOVE		JREF-	1S02487	Z05

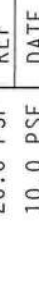
110 mph wind, 11.45 ft mean hot, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



Design Crit: TPI-1995(STD)/FBC

Scale = .3125" / 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 TP1 (TRUSS PLATE INSTITUTE), 593 D'ORFELD DR., SUITE 200, MADISON, WI 53719, AND NITA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** *TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TP1. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W.H/S/K) ASTM A653 GRADE 40/60 (M, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP1-2002 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 ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 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 -- 3201

DATE 08/30/05

DRW HCUSR487 05242080

HC-ENG TCE/AF *

SEQN - 26140

FROM JP

JREF - 1S02487_Z05

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

Haines City, FL 33844
FL Certificate of Authorization # 567

3 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Box or Gun (0.128"x3.25", min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 3 Rows @ 4.00" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting and clinch nails for safety.

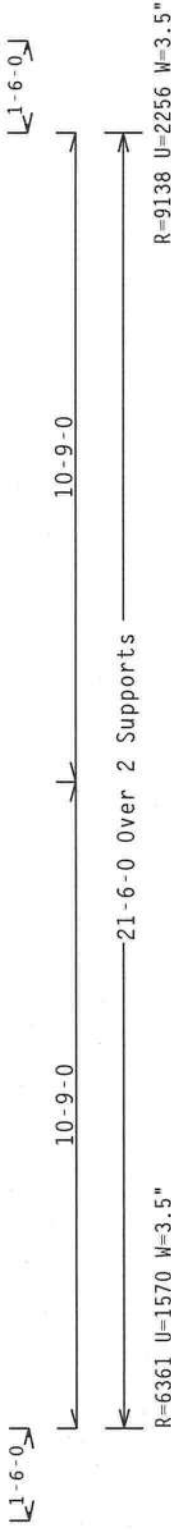
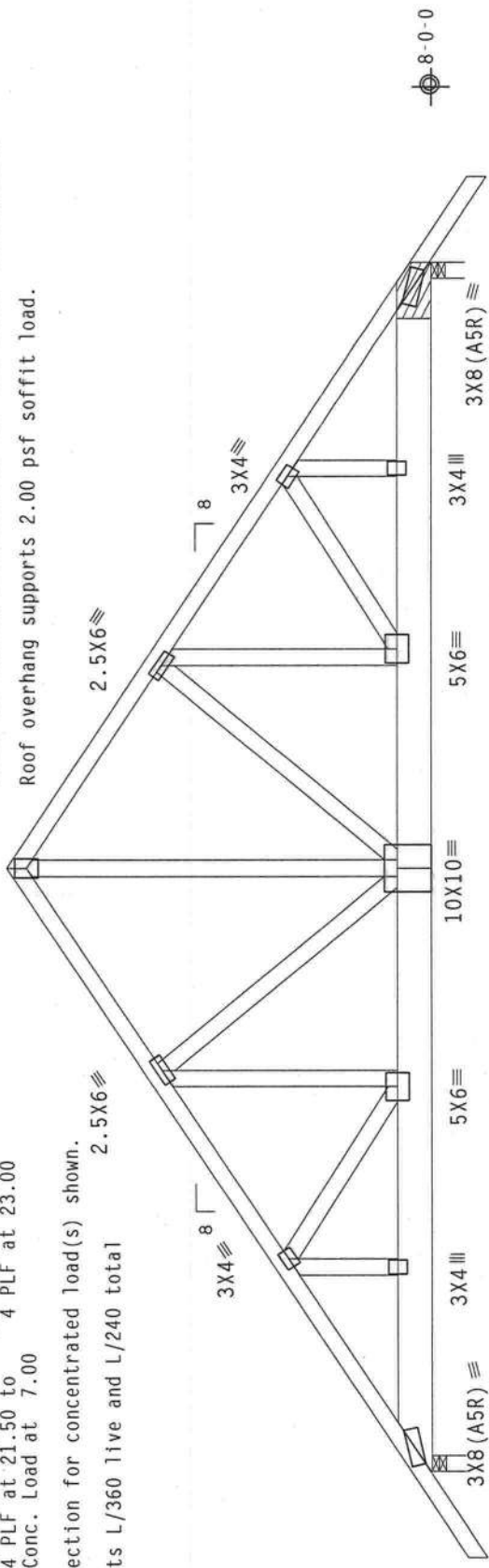
Bearing blocks: Nail type: 12d Box or Gun (0.128"x3.25", min.)_nails
BRG X-LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE
2 21.208' 1 12" 4 Match Truss
Bearing block to be same size and species as bottom chord.
Refer to drawing CNRBLK1103 for additional information.
Roof overhang supports 2.00 psf soffit load.

110 mph wind, 11.45 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

SPECIAL LOADS

TC - From 60 PLF at -1.50 to 60 PLF at 23.00
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 8.00
BC - From 768 PLF at 8.00 to 768 PLF at 18.00
BC - From 808 PLF at 18.00 to 808 PLF at 21.50
BC - From 4 PLF at 21.50 to 4 PLF at 23.00
BC - *3355 LB Conc. Load at 7.00

* Provide connection for concentrated load(s) shown.
Deflection meets L/360 live and L/240 total load.



PLT TYP. Wave TPI

Alpine Engineered Products, Inc.
1930 Nalley Drive
Haines City, FL 33844

Design Crit: TPI-1995 (STD)/FBC

Scale = .3125" / Ft.

TC LL	20.0 PSF	REF	R487 -- 3202
TC DL	10.0 PSF	DATE	08/31/05
BC DL	10.0 PSF	DRW	HCUSR487 05243012
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN	27103
DUR.FAC.	1.25	FROM	JP
SPACING	SEE ABOVE	JREF	1SQ2487_Z05

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

ALPINE ENGINEERED PRODUCTS, INC.
DESIGNER OF THIS TRUSS TO THE INSTALLATION CONTRACTOR. ANY FAILURE OF THE TRUSS IN CONNECTION WITH THE INSTALLATION, HANDLING, SHIPPING, INSTALLING AND BRACING, SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ANY FAILURE OF THE TRUSS IN CONNECTION WITH THE INSTALLATION, HANDLING, SHIPPING, INSTALLING AND BRACING, SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ANY FAILURE OF THE TRUSS IN CONNECTION WITH THE INSTALLATION, HANDLING, SHIPPING, INSTALLING AND BRACING, SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.

FL Certificate of Authorization # 567

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

SPECIAL LOADS

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

TC - From 60 PLF at 0.00 to 60 PLF at 7.04

BC - From 20 PLF at 0.00 to 20 PLF at 7.04

BC - *1010 LB Conc. Load at 1.06, 3.06, 5.06

* Provide connection for concentrated load(s) shown.

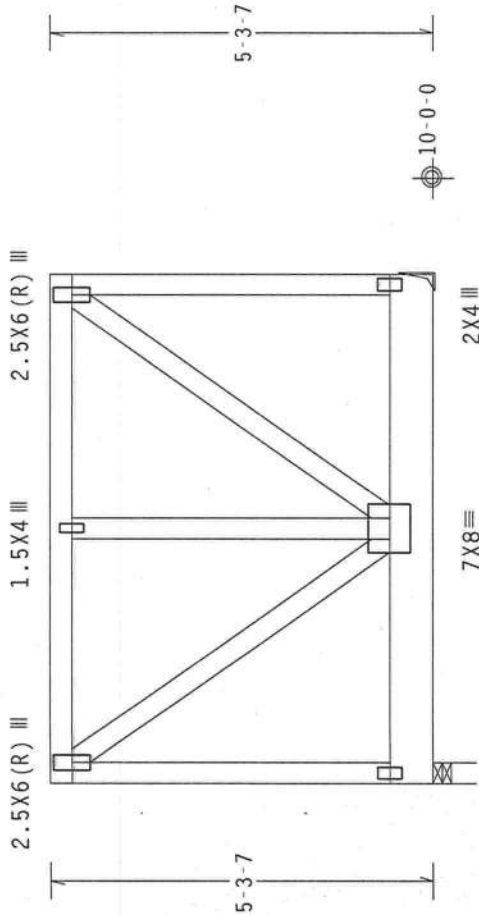
110 mph wind, 15.29 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

End verticals not exposed to wind pressure.

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

Truss must be installed as shown with top chord up.

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.



7-0-8 Over 2 Supports

R=1994 U=459 W=3.5"

R=1599 U=379

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

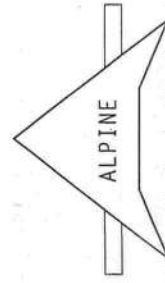
7.0

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

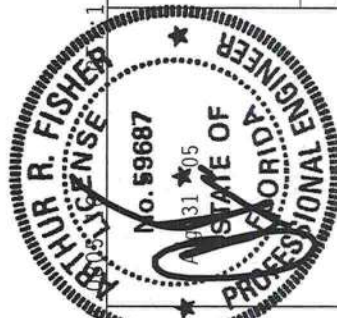
Scale = .375"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 585 MADISON, MI 48370, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA&P) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (H, K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGNER'S USE. THIS SEAL IS NOT VALID FOR ANY OTHER USE. THE SEAL 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
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--	3203
DATE	08/31/05	
DRW	HCUSR487	05243002
HC-ENG	TCE/AF	
SEQN	27001	
FROM	JP	
JREF	1S02487_Z05	

Haines City, FL 33844
FL Certificate of Authorization # 567

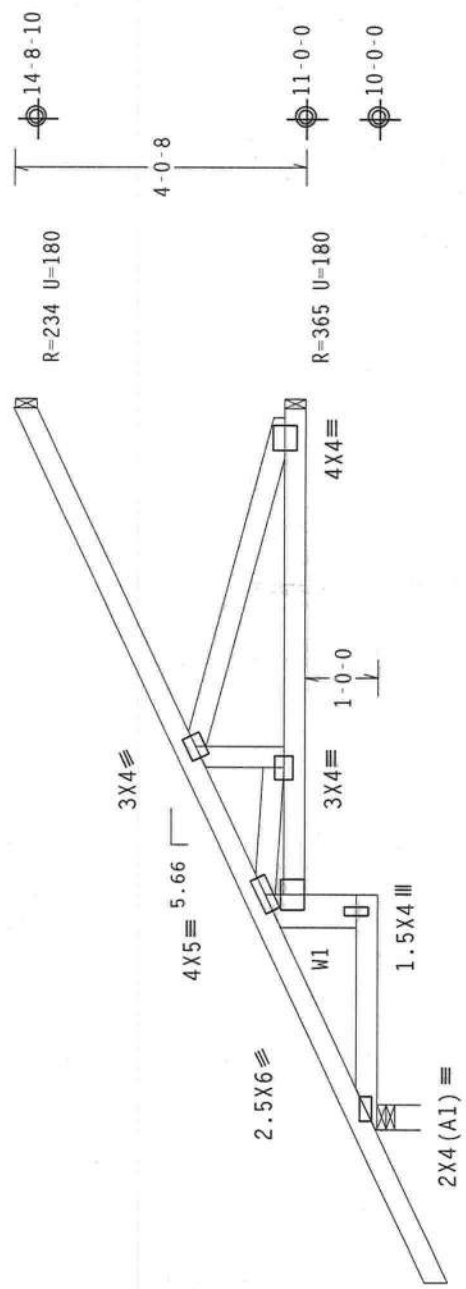
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W1 2x6 SP #2:

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

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

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

Provide (3) 0.162x3.5" 16d Common toe-nails at Top Chord.
Provide (3) 0.162x3.5" 16d Common toe-nails at Bottom Chord.



←2-1-7→

3-2-14 6-8-10
9-11-8 Over 3 Supports
R=427 U=180 W=4.188"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.0

FL/-3/-/-R/-

Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R487 - 3205
TC DL	10.0 PSF	DATE	08/30/05
BC DL	10.0 PSF	DRW	HCUSR487 05242082
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN	26223
DUR.FAC.	1.25	FROM	JP
SPACING	SEE ABOVE	JREF	1S02487_Z05

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI (TRUSS PLATE INSTITUTE, 983 O'DONOHUE DR., SUITE 200, MADISON, MI 48210) AND THE TPI DESIGN SPECIFICATIONS SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2010/16GA (H-N/5/M) ASTM A653 GRADE 40/60 (H. K/M-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604-2. INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ABREX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SHOWS THE SUFFICIENCY AND PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT 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

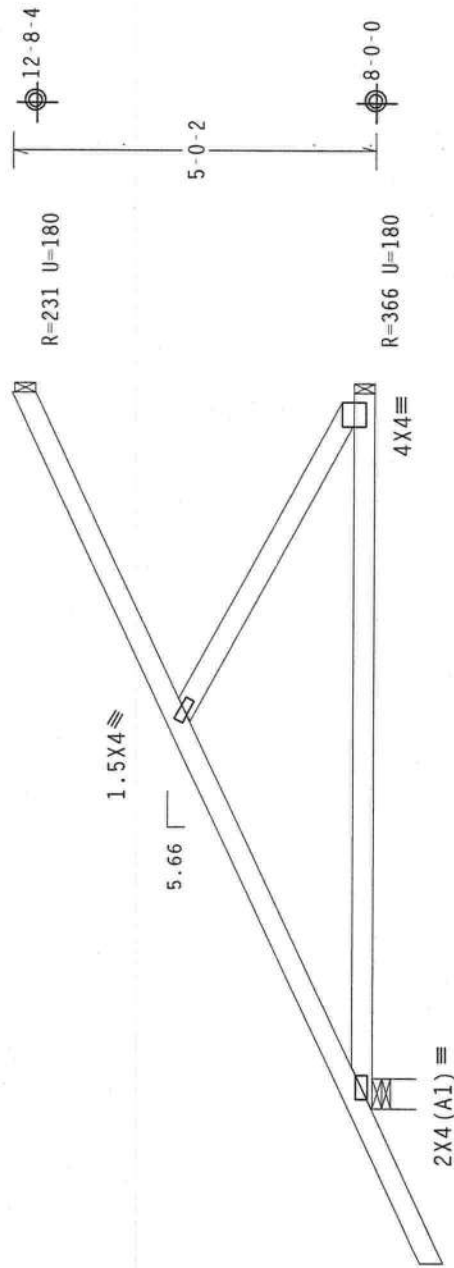
	Top	Bot	Dense
chord	2x4	2x4	2x4
chord	2x4	2x4	2x4
webs	2x4	2x4	2x4

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

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

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

Provide (3) 0.162x3.5" 16d Common toe-nails at Top Chord.
Provide (3) 0.162x3.5" 16d Common toe-nails at Bottom Chord.



2-1-7

9-10-13 Over 3 Supports

R=453 U=180 W=4 95"

PLT TYP. Wave TPI

Design Crit: TPI-1995 (STD) / FRC

7

EI 1-131-1-101-

20210101 - 2750 / 14

TC LL	20.0	PSF	REF R487 - - 3206
TC DL	10.0	PSF	DATE 08/30/05
BC DL	10.0	PSF	DRW HCUR487 05242083
BC LL	0.0	PSF	HC-ENG TCE/AF
TOT.LD.	40.0	PSF	SEQN - 26194
DUR.FAC.	1.25		FROM JP
SPACING	SEE ABOVE		JREF - 1S02487 Z05



*****WARNING***** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PALS 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. DESIGN CHANGES WILL BE MADE AT THE USER'S RISK.

DESIGN COMPLIES WITH APPLICABLE PROVISIONS OF 1678/1650 (41-MS/TA) ASTM A563 GRADE 40/60 (F. 47KPL/5) GALV. STEEL. PLATES TO EXCEED 12" WIDE MUST BE THICKENED TO 1/2" MINIMUM. ALL BOLTS LOCATED ON THIS DESIGN POSITION PER DRAWINGS 160A-2Z THROUGH 160B-2Z. ALL BOLTS LOCATED ON THIS DESIGN POSITION PER DRAWINGS 160A-2Z THROUGH 160B-2Z.

ANY INSPECTION OF PLATES FOLLOWED BY ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE DESIGN SHOWN. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE DESIGN COMPONENT OF THE BUILDING SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/PDIP 1 SEC. 2.



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

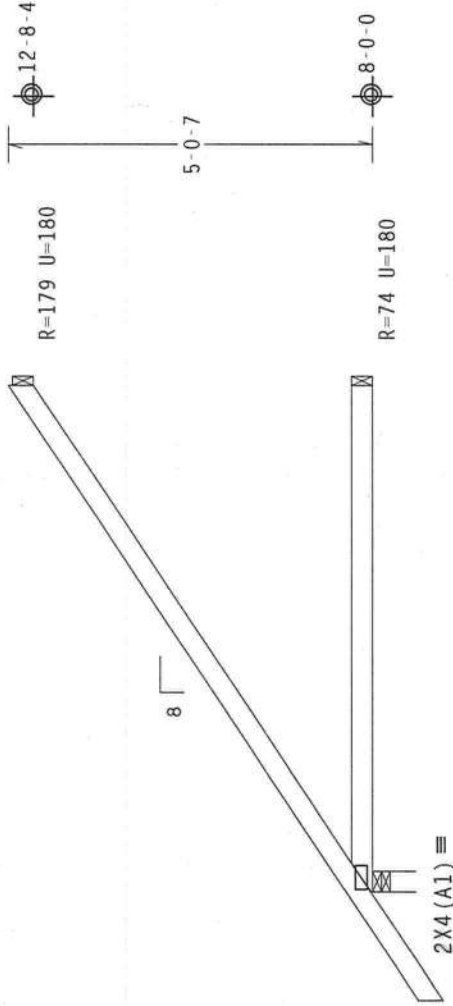
Haines City, FL 33844
FL Certificate of Authorization # 567

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

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

110 mph wind, 10.20 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



L=1'-6-0

7'-0-0 Over 3 Supports
R=403 U=180 W=3.5"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.0

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

Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R487-- 3207
TC DL	10.0 PSF	DATE	08/30/05
BC DL	10.0 PSF	DRW	HCUSR487 05242084
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	26120
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF-	1502487_Z05



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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS TO THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE DESIGN OF THE TRUSS CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ACPA) AND TPI. APPLY CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (W, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



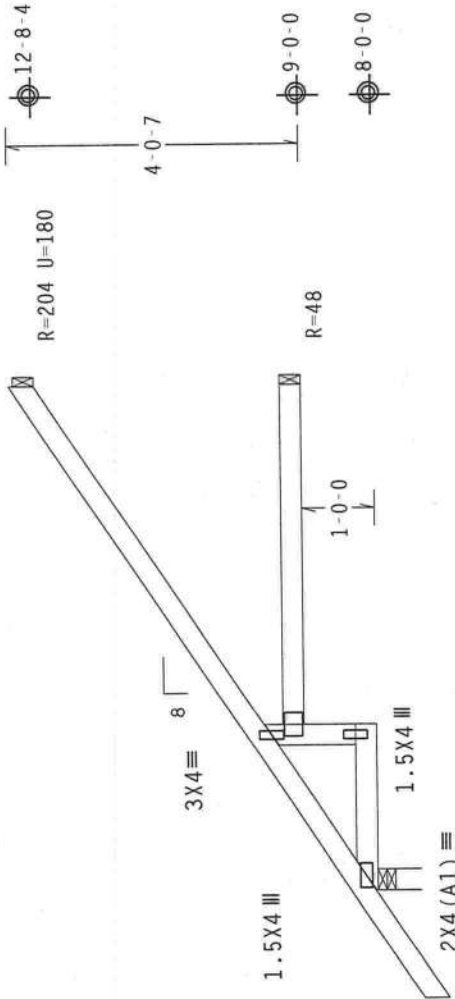
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

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.

110 mph wind, 10.20 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



L=1-6-0

2-3-8 4-8-8
7-0-0 Over 3 Supports
R=403 U=180 W=3.5"

PLT TYP. Wave TPI

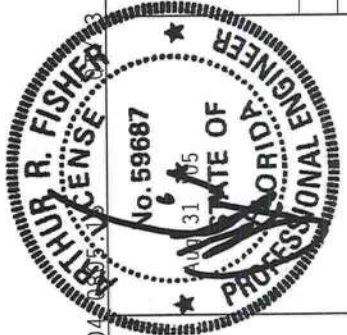
Design Crit: TPI-1995(STD)/FBC

7.04

Scale = .375"/Ft.

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

REF	R487 -- 3208
DATE	08/31/05
DRW	HCUSR487 05243003
HC-ENG	TCE/AF
SEQN	26113
FROM	JP
JREF	1502487_Z05



****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 PLACING AND INTERPRETING), 10000 DUNDAS ST. W., SUITE 200, MISSISSAUGA, ONT. L4W 1M9, CANADA. (905) 876-1111. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN ACCORDANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE 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/H) 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 100A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENTS 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.



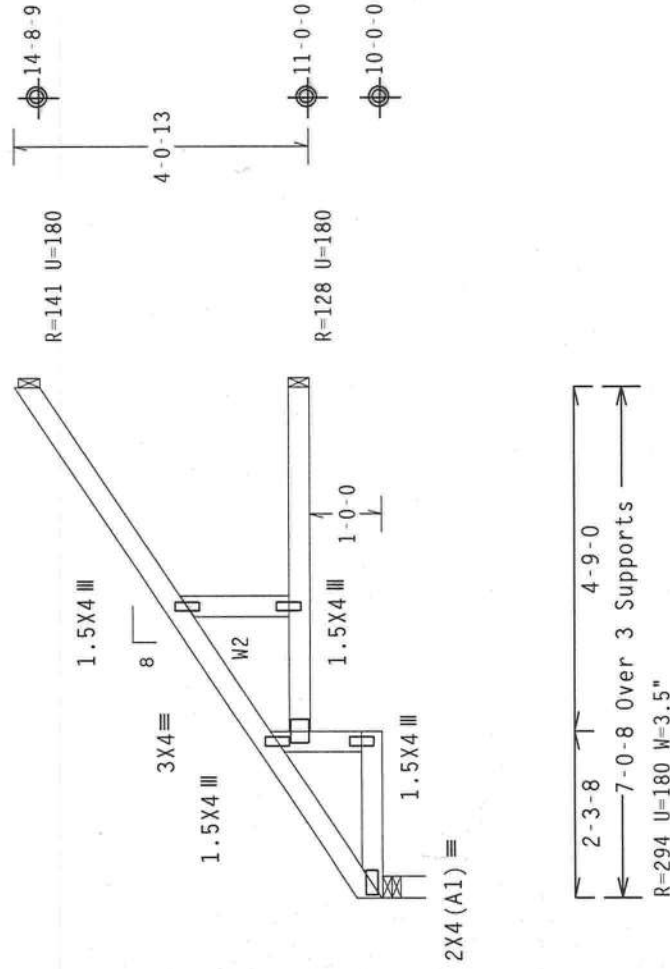
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
PI Certificate of Authorization # 567

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

110 mph wind, 12.72 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.

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 TPI

Design Crit: TPI-1995(STD)/FBC

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

*WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. TRUSSES ARE BEING PRODUCED BY THE TRUSSING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSSING PLATE INSTITUTE, 563 S. CONVENT ST., DR., 53710, MADISON, WI. 53710, AND THE TRUSSING COMPANY, 6200 ENTERPRISE LN., MADISON, WI. 53719. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT-FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS, MATERIALS, FABRICATING AND FINISHING OF TRUSSES, OR THE CONNECTOR PLATES WITH THE PROVISIONS OF THE NATIONAL DESIGN SPEC., AISC, AND TPI, ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE. THE TRUSS SHALL BE MADE OF 2018/18 G66GA (W 4X13) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED IN THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX 43 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BEING SHOWN. THE ANSII/TPI AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSII/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R487--	3209
TC DL	10.0 PSF	DATE	08/30/05	
BC DL	10.0 PSF	DRW	HCUSR487	05242085
BC LL	0.0 PSF	HC-ENG	TCE/AF	
TOT.LD.	40.0 PSF	SEQN-	26284	
DUR.FAC.	1.25	FROM	JP	
SPACING	24.0"	JREF-	1SQ2487_Z05	

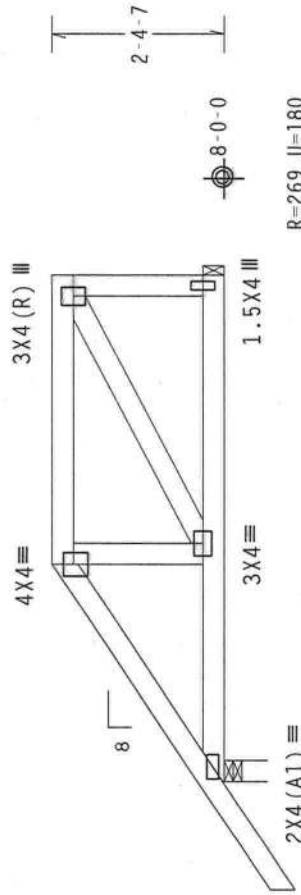
(5-333-ISAAC CONSTR. -#10 (

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

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CL0SED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.



R=269 U=180

LE1-6-07

L	3-0-0	+	4-0-0	Y
---	-------	---	-------	---

7-0-0 Over 2 Supports

R=422 U=180 W=3.5"

PLT TYP. Wave TPI

Design Crit: TPI-1995 (STD)/FBC

7.00 8.50 14.00 11.00 1.00

Scale = 375"/Ft.

TC LL	20.0	PSF	REF R487-- 3210
TC DL	10.0	PSF	DATE 08/30/05
BC DL	10.0	PSF	DRW HCURS487 05242086
BC LL	0.0	PSF	HC-ENG TCE/AF
TOT.LD.	40.0	PSF	SEQN- 26583
DUR.FAC.	1.25		FROM JP
SPACING	SEE ABOVE		JREF- 1S02487_Z05



ALPINE

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

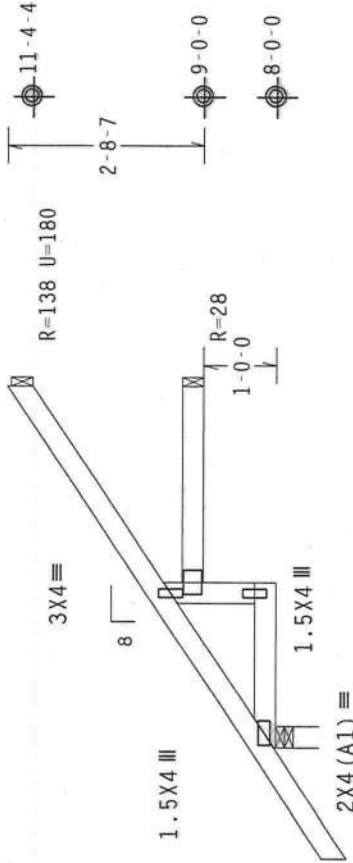
****IMPORTANT**** *UNLESS A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS & ARCHITECTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD TRUSS IN CONFORMANCE WITH TPT1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NOS (NATIONAL DESIGN SPEC. BY AISC) AND TPT1. ALPINE CONNECTOR PLATES ARE MADE OF 2010/16GA. (N-1/5X3) ASTM A563 GRADE 40/50 (40, 47/115) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS POSITION, PER DRAWINGS 160A-2. INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AREA 23 OF TPT1-2002 SEC.3. A SCAL ON THIS DRAWING INDICATES THE LOCATION OF THE PLATES. (2) SHALL BE PER AREA 23 OF TPT1-2002 SEC.3. THE BUILDING DESIGNER SHALL BE RESPONSIBLE FOR THE SUITABILITY AND USE OF ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPT1 SEC. 2.

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

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

110 mph wind, 9.54 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



≤ 1-6-0

2-3-8 2-8-8
≤ 5-0-0 Over 3 Supports
R=330 U=180 W=3.5"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.0

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

Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R487--	3211
TC DL	10.0 PSF	DATE	08/30/05	
BC DL	10.0 PSF	DRW	HCUSR487	05242087
BC LL	0.0 PSF	HC-ENG	TCE/AF	*
TOT.LD.	40.0 PSF	SEQN-	26107	
DUR.FAC.	1.25	FROM	JP	
SPACING	24.0"	JREF-	1SQ2487_Z05	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. 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 (NATH A653 GRADE 40/60 (W, K/H, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC. 3. A SEAL ON THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGNING THE SUBASSEMBLY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATH A653 GRADE 40/60 (W, K/H, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC. 3. A SEAL ON THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGNING THE SUBASSEMBLY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

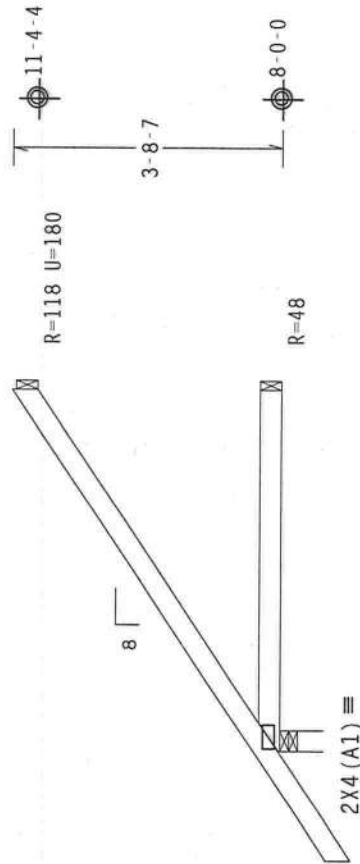
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

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

110 mph wind. 9.54 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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.

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



7-9-01

5-0-0

5-0-0 Over 3 Supports

$R=330 \quad H=180 \quad W=35"$

PLT TYP. Wave TPI

Design Crit: TPI-1995 (STD) / FBC

7.

FI 1-131-1-1B1-

Scale = .375"/Ft.

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BECS 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TROSS PLATE INSTITUTE, 583 0'08R0RLO 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 PLATE AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED DIGIT-CEILING.

TC LL	20.0 PSF
-------	----------

REF R487-- 3212

DATE 08/30/05

DATE 06/06/00
DDW HCHCD 187 0524300

UIC FMO TCE / AF

HC-ENG ICE/AF

SEQN- 26183

FROM JP

JREF- 1S02487 Z09

ALPINE

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

Haines City, FL 33844
FL Certificate of Authorization # 567



(5-333-ISAAC CONSTR.-#10 COBBLESTONE -- ISAAC CONSTR.-#10 COBBLESTONE - HJR)

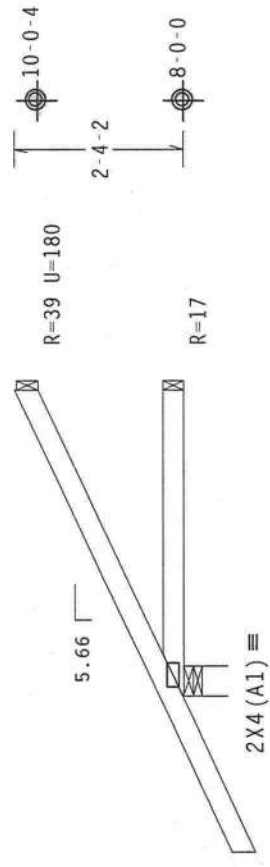
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

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.

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

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



← 2-1-7 →

2-3-8
4-2-15 Over 3 Supports
1-11-7

R=217 U=180 W=4.95"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.0

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

Scale = .375"/Ft.

TC LL	20.0 PSF	REF R487--	3213
TC DL	10.0 PSF	DATE	08/30/05
BC DL	10.0 PSF	DRW	HCUSR487 05242089
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEON-	26575
DUR.FAC.	1.25	FROM	JP
SPACING	SEE ABOVE	JREF-	1SQ2487_Z05



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

ALPINE

ARTHUR R. FISHER
LICENSE
No. 59687
DATE 05/11/05
PROFESSIONAL ENGINEER
FLORIDA

****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 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.

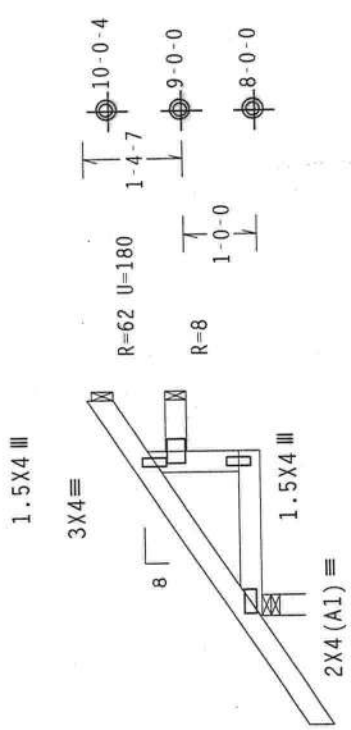
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIAA) AND TPI (TRUSS PLATE INSTITUTE) PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2, 160B-2, 160C-2, 160D-2, 160E-2, 160F-2, 160G-2, 160H-2, 160I-2, 160J-2, 160K-2, 160L-2, 160M-2, 160N-2, 160O-2, 160P-2, 160Q-2, 160R-2, 160S-2, 160T-2, 160U-2, 160V-2, 160W-2, 160X-2, 160Y-2, 160Z-2. 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 3 SEC. 2.

(5-333-ISAAC CONSTR. -#10 COBBLESTONE -- ISAAC CONSTR. -#10 COBBLESTONE - J3K)

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

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

110 mph wind, 8.87 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



1'-6-0

2'-3'-8' over 3 supports
R=266 U=180 W=3.5

Design Crit: TPI-1995(SID)/FBC

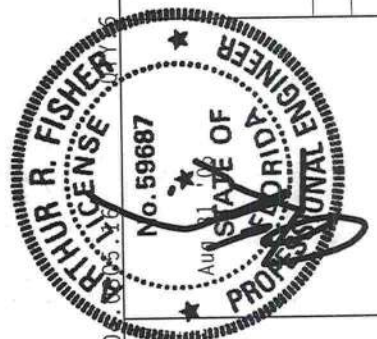
7.0

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

Scale = .375"/Ft.

PLT TYP. Wave TPI

TC LL	20.0 PSF	REF	R487--	3214
TC DL	10.0 PSF	DATE	08/30/05	
BC DL	10.0 PSF	DRW	HCUSR487 05242090	
BC LL	0.0 PSF	HC-ENG	TCE/AF	*
TOT.LD.	40.0 PSF	SEQN	26101	
DUR.FAC.	1.25	FROM	JP	
SPACING	24.0"	JREF	1S02487_Z05	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ANY FACTORS TO BE CONSIDERED IN THE DESIGN OF TRUSSES SHALL BE IN ACCORDANCE WITH THE DESIGN CRITERIA AND THE DESIGN CRITERIA SHALL BE IN ACCORDANCE WITH THE DESIGN CRITERIA. UNLESS OTHERWISE INDICATED, THE TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FACTORS TO BE CONSIDERED IN THE DESIGN OF TRUSSES SHALL BE IN ACCORDANCE WITH THE DESIGN CRITERIA AND THE DESIGN CRITERIA SHALL BE IN ACCORDANCE WITH THE DESIGN CRITERIA. UNLESS OTHERWISE INDICATED, THE TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

ALPINE ENGINEERED PRODUCTS, INC.
1950 Marley Drive
Haines City, FL 33844

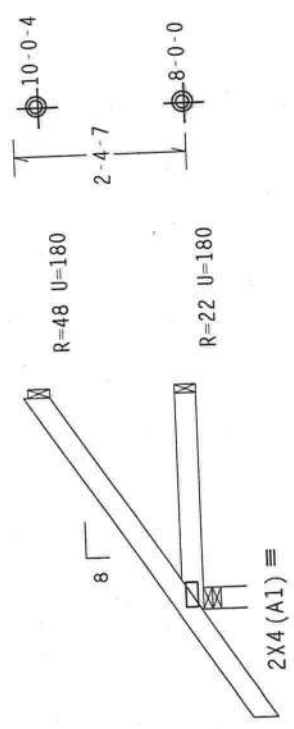
-333- ISAAC CONSTR. - #10 COBBLESTONE - J3)

p chord 2x4 SP #2 Dense
t chord 2x4 SP #2 Dense

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

110 mph wind, 8.87 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

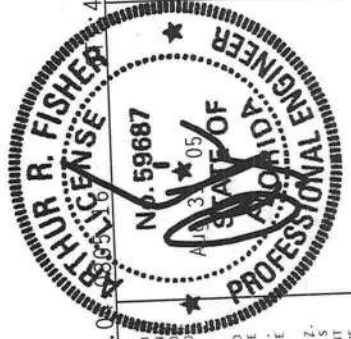


L=1-6-0

3-0-0
3-0-0 Over 3 Supports
R-266 U=180 W=3.5"

Design Crit: TPI-1995(STD)/FBC

PLT TYP. Wave TPI



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ANY FAILURE TO BUILD THE TRUSSES IN ACCORDANCE WITH THE DESIGN SPECIFICATION, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, REFER TO BC51 1-03 (PARTIAL) FOR THE TRUSS COMPONENT SAFETY INFORMATION. PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 583 O'DONOHUE DR., SUITE 200, MADISON, WI 53719 AND WICA (WOOD TRUSS CONNECTIONS) UNLESS OTHERWISE INDICATED. TOP CHORDS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

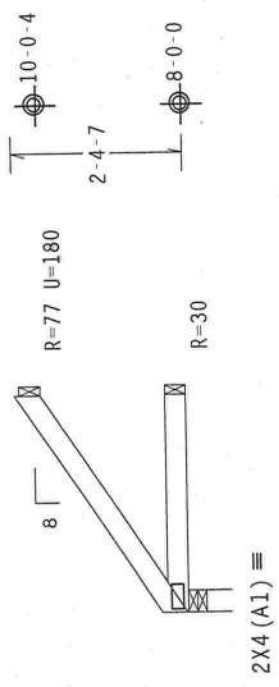
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE TRUSSES IN ACCORDANCE WITH THE DESIGN SPECIFICATION, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, REFER TO BC51 1-03 (PARTIAL) FOR THE TRUSS COMPONENT SAFETY INFORMATION. PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 583 O'DONOHUE DR., SUITE 200, MADISON, WI 53719 AND WICA (WOOD TRUSS CONNECTIONS) UNLESS OTHERWISE INDICATED. TOP CHORDS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

Scale = .375"/Ft.	REF R487 - - 3215
FL / - / 3 / - / - / R / -	DATE 08/30/05
TC LL 20.0 PSF	DRW HCUSR487 05242091
TC DL 10.0 PSF	HC-ENG TCE/AF
BC DL 10.0 PSF	SEQN- 26177
BC LL 0.0 PSF	FROM JP
TOT.LD. 40.0 PSF	JREF- 1SQ2487_Z05
DUR.FAC. 1.25	
SPACING 24.0"	

110 mph wind, 9.37 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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



3-0-0 Over 3 Supports
R=133 U=180 W=3.5"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7 04

Scale = .375"/Ft.

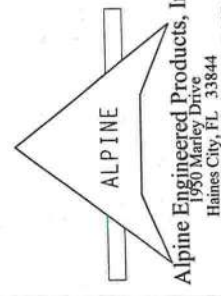
TC LL	20.0	PSF	REF	R487 - -	3216
TC DL	10.0	PSF	DATE	08/30/05	
BC DL	10.0	PSF	DRW	HCUSR487	05242092
BC LL	0.0	PSF	HC-ENG	TCE/AF	*
TOT.LD.	40.0	PSF	SEQN -	26563	
DUR.FAC.	1.25		FROM	JP	
SPACING	24.0"		JREF -	1SQ2487_Z05	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. 983
REFER TO BESS I-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 983
D'ORFIO RD., SUITE 200, MADISON, WI 53719, AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN,
MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED,
TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED
RIGID CEILING.

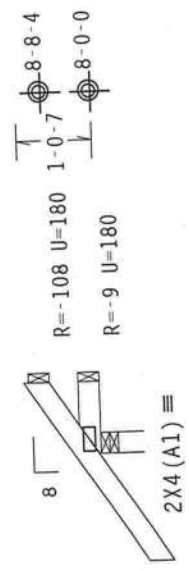
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE
TRUSS IN CONFORMANCE WITH TP1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY PERMITTEE), ALPINE
CONNECTOR PLATES ARE MADE OF 2018/16GA (14-H/S) ASTM A653 GRADE 40/50 (F410-50) 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 AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) PER 1602 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 AMSI/TP1 SEC. 2.



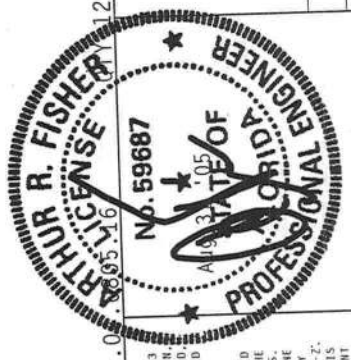
333-ISAAC CONSTR.-#10 COBBLESTONE -- ISAAC CONSTR.-#10 COBBLESTONE - J1)
Top chord 2x4 SP #2 Dense
Bottom chord 2x4 SP #2 Dense
Reflection meets L/360 live and L/240 total load.

110 mph wind, 8.20 ft mean hgt, ASCE 7-98, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0
psf.
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.



1-0-0 Over 3 Supports

R=294 U=180 W=3.5"



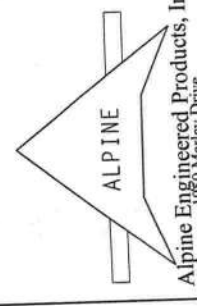
Scale = .375" / Ft.	REF R487 -- 3217
DATE 08/30/05	DRW HCUSR487 05242093
HC-ENG TCE/AF	SEQN- 26091
FROM JP	JREF- 15Q2487_Z05

Design Crit: TPI-1995(STD)/FBC

PLT TYP. Wave TPI

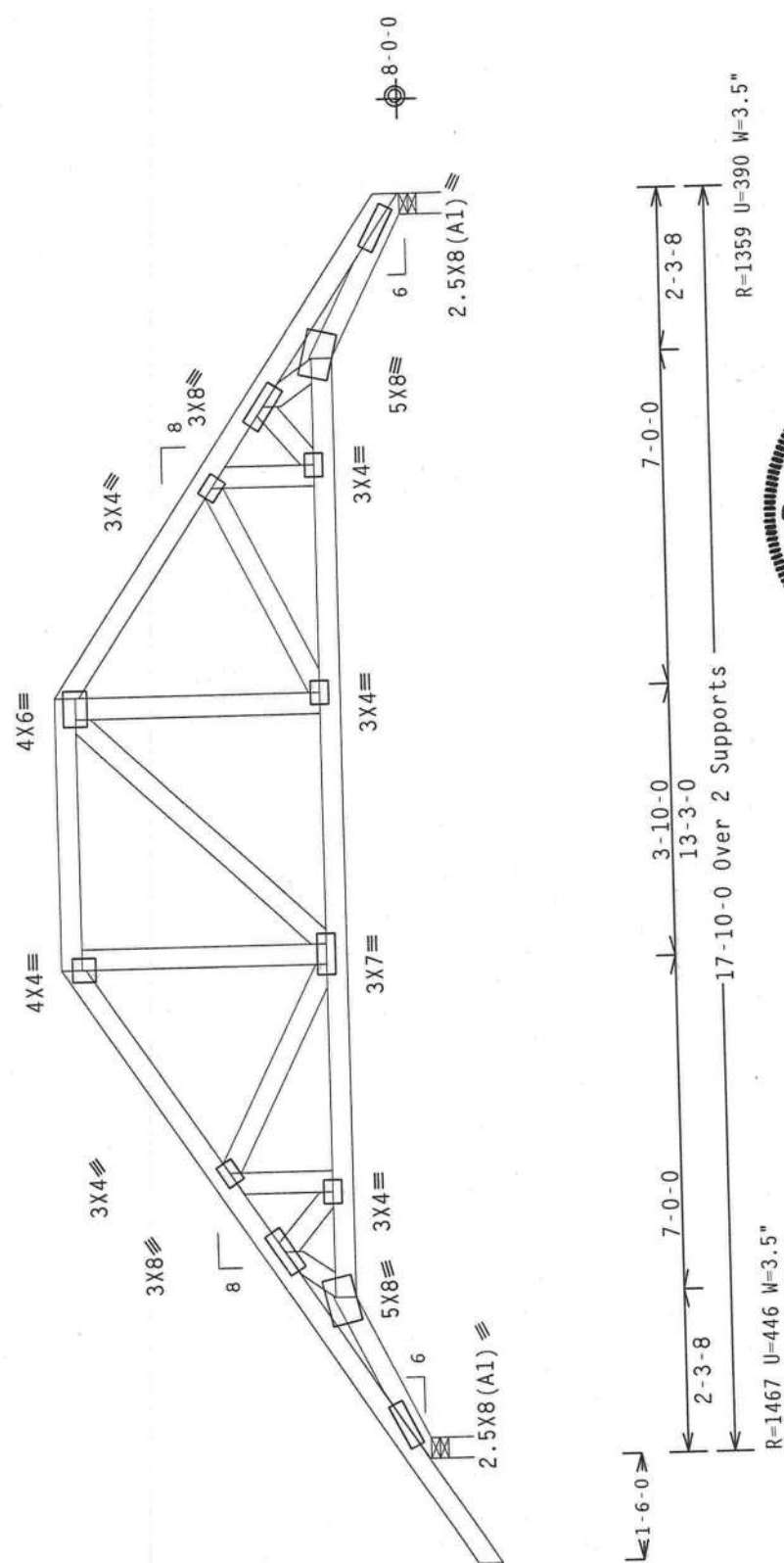
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 6300 ENTERPRISE BLVD., SUITE 200, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING 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. ANY FAILURE TO BUILD THE TRUSSES IN ACCORDANCE WITH THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE ALPINE PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN ACCORDANCE WITH THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE ALPINE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFPA) AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/16GA (H/H/S/A) STEEL. GRADE 40/60 (U, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE INDICATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) TPI OR (2) A PROFESSIONAL ENGINEERING RESPONSIBILITY. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. THE RESPONSIBILITY OF THE DESIGN SHOWN.

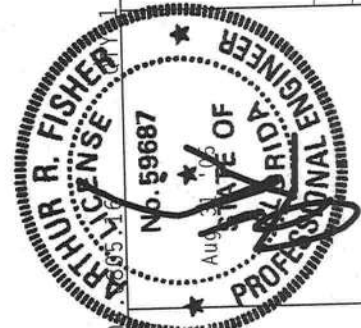


COBBLESTONE - ISAAC CONSTR. - #10 COBBLESTONE - K1)

5-333-ISAAC CONSTR. -#10 COBBLESTONE	ISAAC CONSTR. -#10 COBBLESTONE - K1)
op 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.
ot chord 2x4 SP #2 Dense	
Webs 2x4 SP #3	#1 hip supports 7-0-0 jacks W/2 panel TC and no end vert.
culated horizontal deflection is 0.14" due to live load and 13" due to dead load.	Deflection meets L/360 live and L/240 total load.



FL/-/3/-/-/R/-		Scale = .375" / Ft.
TC LL	20.0 PSF	REF R487 - - 3218
TC DL	10.0 PSF	DATE 08/30/05
BC DL	10.0 PSF	DRW HCURS487 0524209
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN - 26257
DUR.FAC.	1.25	FROM JP
SPACING	SEE ABOVE	JREF - 1SQ2487_Z05



PLT TYP. Wave TPI



ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive

333-ISAAC CONSTR.-#10 COBBLESTONE -- ISAAC CONSTR.-#10 COBBLESTONE - K2)

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

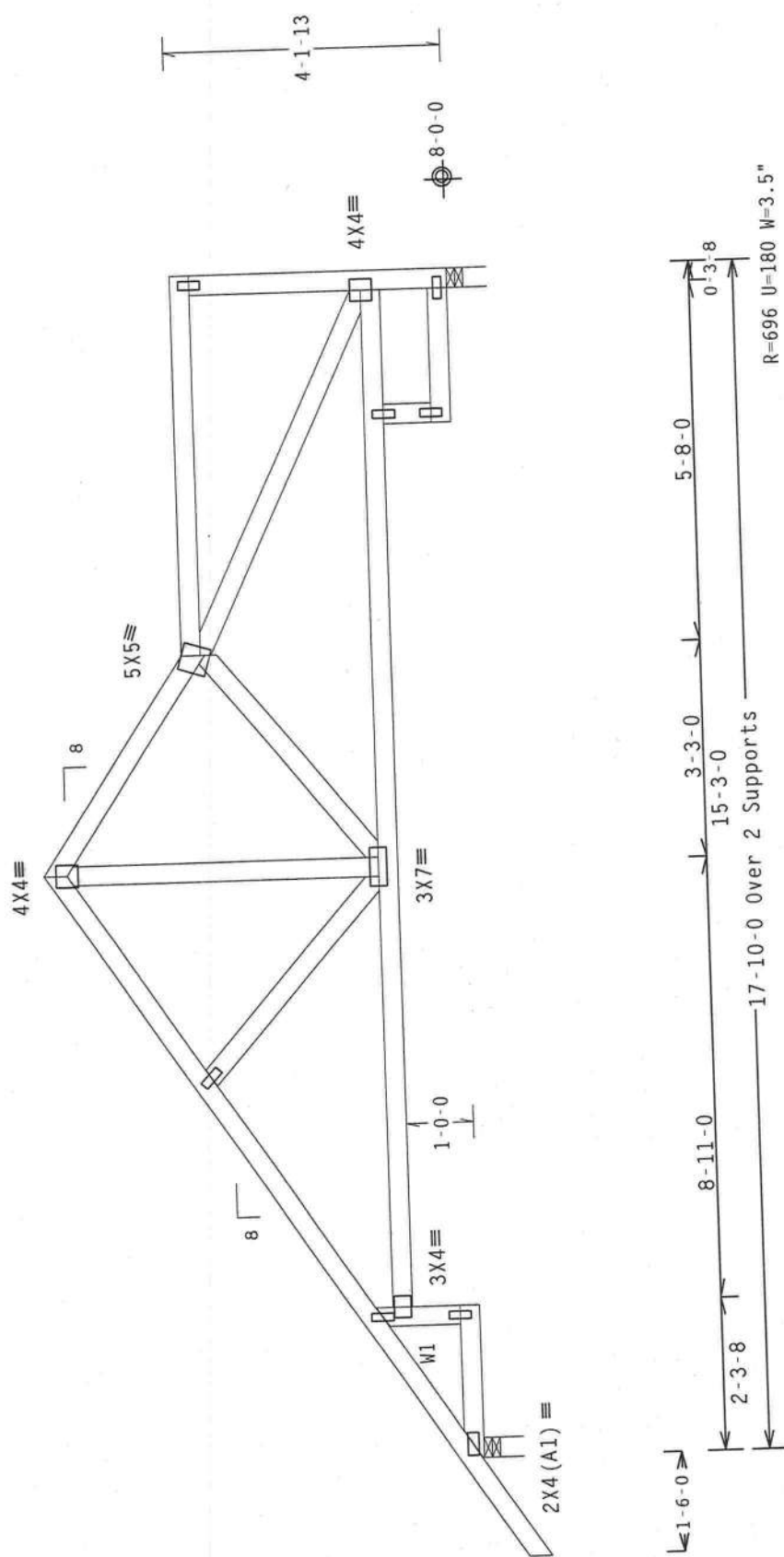
Calculated horizontal deflection is 0.14" due to live load and
.14" due to dead load.

Laterally brace BC at 24" OC in lieu of rigid ceiling.
Laterally brace BC above filler at 24" OC including a
lateral brace at chord ends.

110 mph wind, 10.84 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=5.0 psf.

Right end vertical not exposed to wind pressure.

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



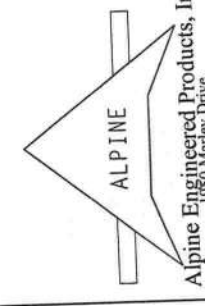
Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

Scale = .375"/Ft.

REF	R487--	3219
DATE	08/30/05	
DRW	HCUR487	05242095
HC-ENG	TCE/AF	
SEQN-	26299	
FROM	JP	
JREF-	1S02487_Z05	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING CONSTRUCTION SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 1000 MARLEV DRIVE, 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. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, DESIGN SPEC, BY AFAPA) AND TPI. ALPINE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. FOR WOOD) AND TPI. STEEL CONNECTOR PLATES ARE MADE OF 20/18/16GA (4-M/5/5) PLATE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE SPECIFIED, SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON CONNECTOR PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE SPECIFIED, SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. ANY INSPECTION OF PLATES FOLLOWED BY ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENTS DESIGNING 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 DESIGNER.

110 CORRIESTONE - K3)

110 mph wind, 10.84 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC II=5.0 psf, wind BC DL=5.0 psf.

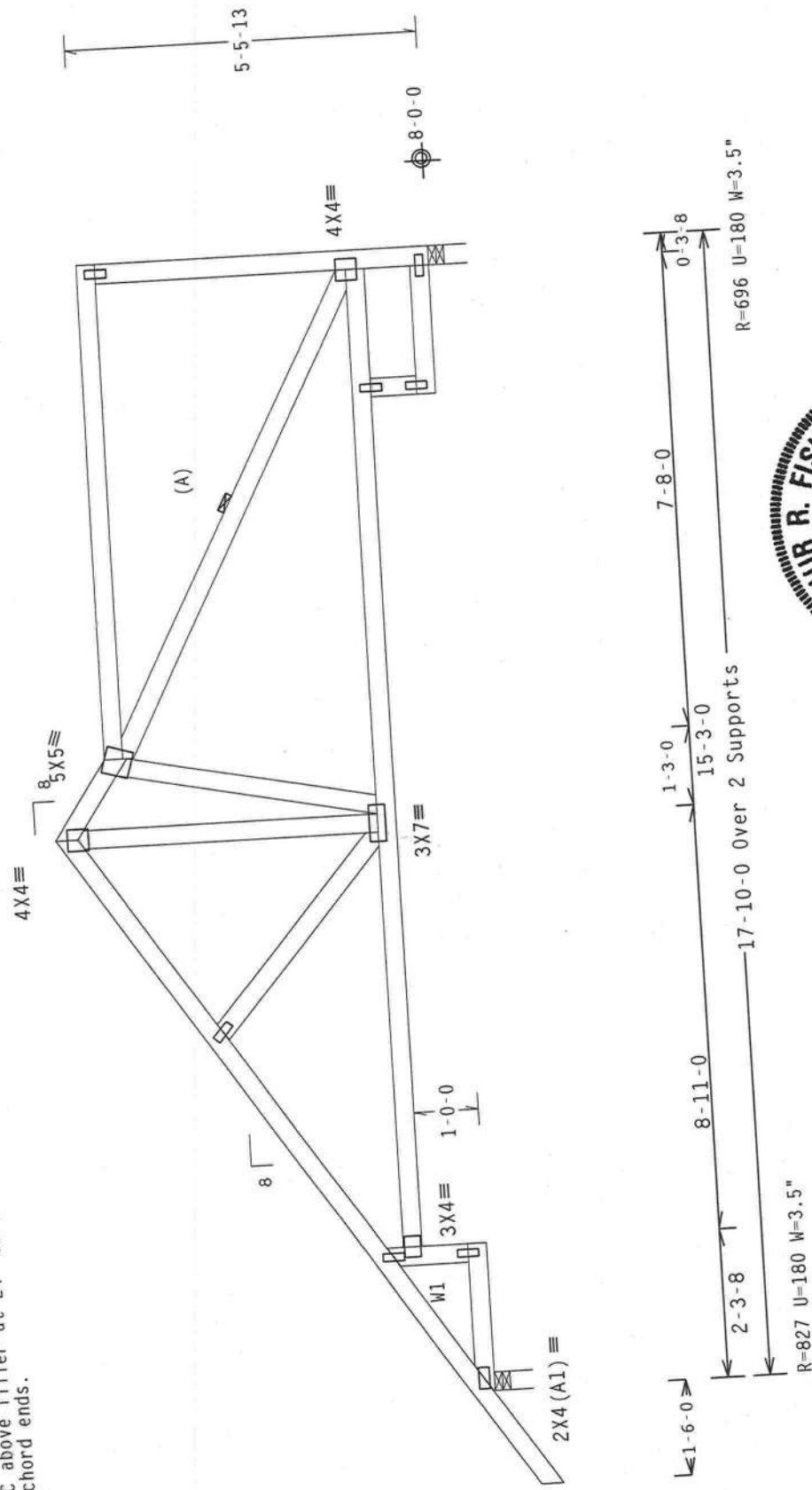
Right end vertical not exposed to wind pressure.

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

Webbs 2x4 Sp #3: W1 2x4 Sp #2
 accumulated horizontal deflection is 0.14" due to live load and
 0.14" due to dead load.

14. due to ...
flexion meets L/360 live and L/240 total load.

terally brace BC at 24" OC in lieu of rigid ceiling.
terally brace BC above filler at 24" OC including a
terally brace at chord ends.



Scale = .375" / Ft.

FL / - 3 / - / - R / -	20.0	PSF	REF	R487 - -	3220
TC LL	10.0	PSF	DATE	08/30/05	
TC DL	10.0	PSF	DRW	HCUSR487	05242096
BC DL	0.0	PSF	HC-ENG	TCE / AF	
BC LL	40.0	PSF	SEQN -	26330	
TOT.LD.	1.25		FROM	JP	
DUR.FAC.	24.0"		JREF -	1SQ2487_Z05	
SPACING					

[illegible]

Notes: All plates are 1.5X4 except as shown.

Design Crit: TPI-1995(SIU)/FBC

PLT TYP. Wave TPI

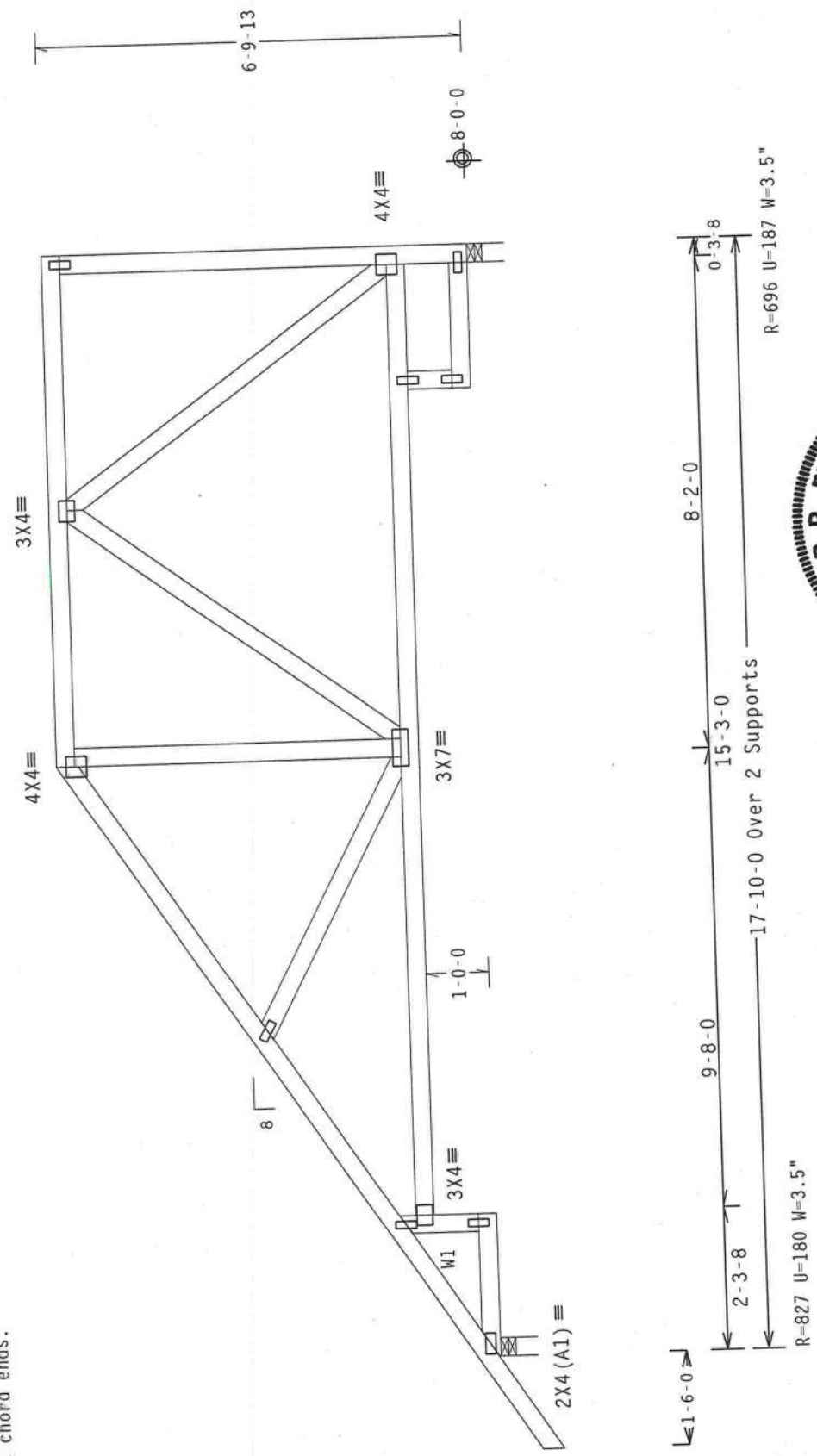


5-333-ISAAC CONSTR. -#10 COBBLESTONE -- ISAAC CONSTR. -#10 COBBLESTONE - K4)
op chord 2x4 SP #2 Dense
ot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W1 2x4 SP #2 Dense:

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

laterally brace BC at 24" OC in lieu of rigid ceiling.
laterally brace BC above filler at 24" OC including a
lateral brace at chord ends.

110 mph wind, 11.09 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.



Note: All Plates Are 1.5X4 Except As Shown.

Scale = .375"/Ft.

REF	R487 --	3221
DATE	08/30/05	
DRW	HCUSR487	05242097
HC-ENG	TCE/AF	
SEQN	26355	
FROM	JP	
JREF	1S02487_Z05	



Design Crit: TPI-1995(STD)/FBC 7.0

PLT TYP. Wave TPI

ALPINE

ALPINE Engineered Products, Inc.
1950 Marley Drive
Knox, TN 37603

*****NOTED PER ANSI/TPI 1 SEC. 2.

*****IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD TO THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD TO THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD TO THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.

*****WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), TRUSSING BY TPI (TRUSS PLATE INSTITUTE, 593 D'UNDRIO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD CONSTRUCTION ASSOCIATION, 1000 N. W. 10TH AVE., SUITE 100, MIAMI, FL 33136) FOR SAFETY PRACTICES PRIOR TO CONSTRUCTION. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

*****IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD TO THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD TO THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD TO THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.

110 mph wind, 14.16 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.

02-3.0 per. COLLECTING for more requirements.

1/260 live and 1/240 total load.

- + Member to be laterally braced for horizontal wind loads. Bracing system to be designed and furnished by others.

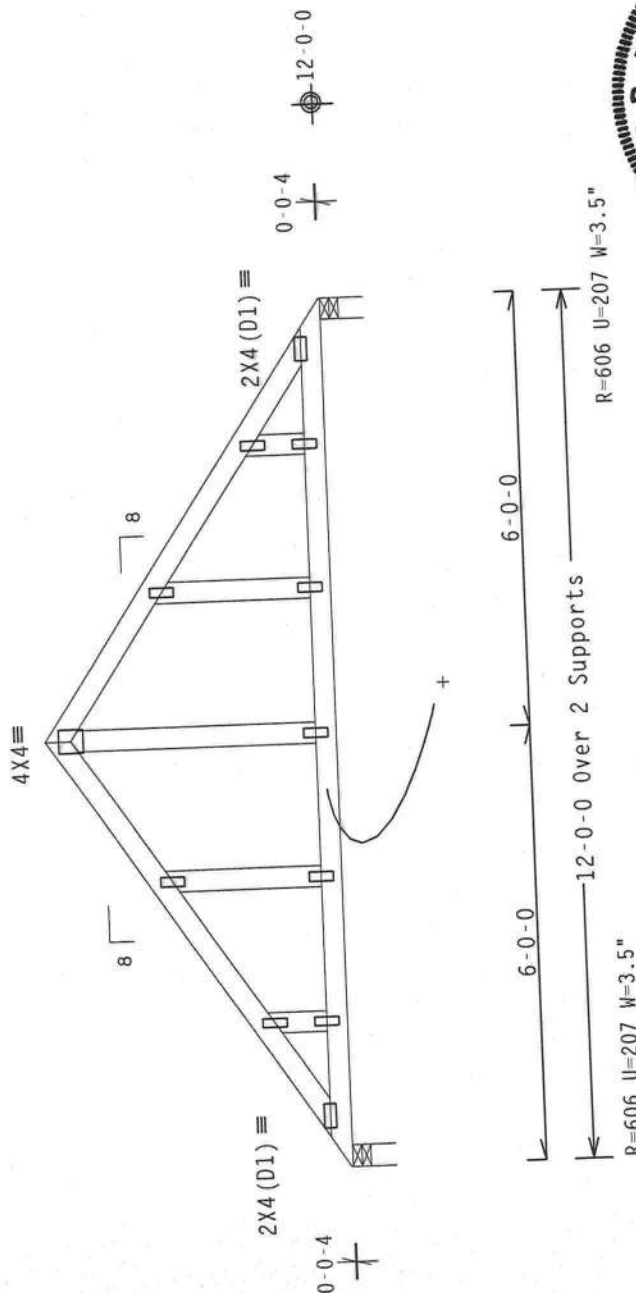
SPECIAL LOADS

----- (LUMBER DUR. FAC. = 1.23 / PLATE DUR. FAC. = 1.23)
----- 81 PLF at 0.00 to 81 PLF at 12.00

C	- From	81 PLF at	0.00 to	20 PLF at 12.00

C - From 20 Feb to 20 Feb 1966

The Building Designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the gable end. All connections to be designed by the Building Designer.



Notes: All plates are 1.5X4 except as shown.

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

PIT TYP. Wave TPI

WARNING* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.
DESIGN CRIT.: TP1 199301-01000
REF TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PANEL INSTITUTE), 1803
PREFERRED TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PANEL INSTITUTE), 1803
D'ONOFEDIO MR., SUITE 200, MADISON NJ, 07070 AND WFLA (60000 TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN,
GARDEN CITY, FL 33455) 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
BOTTOM CHORD.

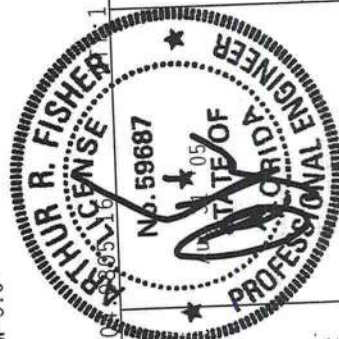
RIGID CEILING.

***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 IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES; ALPINE ENGINEERED TRUSSES IN CONFORMANCE WITH TPI; PROVIDIONS OF A578 (NATIONAL GRADE SPEC. BY AF&PA) AND TPI. ALPINE

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC 360 (M. K/H/S) GALV. STEEL. PER DRAWINGS 160A-2, 160B-2, 160C-2, 160D-2, 160E-2, 160F-2, 160G-2, 160H-2, 160I-2, 160J-2, 160K-2, 160L-2, 160M-2, 160N-2, 160O-2, 160P-2, 160Q-2, 160R-2, 160S-2, 160T-2, 160U-2, 160V-2, 160W-2, 160X-2, 160Y-2, 160Z-2, 160AA-2, 160AB-2, 160AC-2, 160AD-2, 160AE-2, 160AF-2, 160AG-2, 160AH-2, 160AI-2, 160AJ-2, 160AK-2, 160AL-2, 160AM-2, 160AN-2, 160AO-2, 160AP-2, 160AQ-2, 160AR-2, 160AS-2, 160AT-2, 160AU-2, 160AV-2, 160AW-2, 160AX-2, 160AY-2, 160AZ-2, 160BA-2, 160BB-2, 160BC-2, 160BD-2, 160BE-2, 160BF-2, 160BG-2, 160BH-2, 160BI-2, 160BJ-2, 160BK-2, 160BL-2, 160BM-2, 160BN-2, 160BO-2, 160BP-2, 160BQ-2, 160BR-2, 160BS-2, 160BT-2, 160BU-2, 160BV-2, 160BW-2, 160BX-2, 160BY-2, 160BZ-2, 160CA-2, 160CB-2, 160CC-2, 160CD-2, 160CE-2, 160CF-2, 160CG-2, 160CH-2, 160CI-2, 160CJ-2, 160CK-2, 160CL-2, 160CM-2, 160CN-2, 160CO-2, 160CP-2, 160CQ-2, 160CR-2, 160CS-2, 160CT-2, 160CU-2, 160CV-2, 160CW-2, 160CX-2, 160CY-2, 160CZ-2, 160DA-2, 160DB-2, 160DC-2, 160DD-2, 160DE-2, 160DF-2, 160DG-2, 160DH-2, 160DI-2, 160DJ-2, 160DK-2, 160DL-2, 160DM-2, 160DN-2, 160DO-2, 160DP-2, 160DQ-2, 160DR-2, 160DS-2, 160DT-2, 160DU-2, 160DV-2, 160DW-2, 160DX-2, 160DY-2, 160DZ-2, 160EA-2, 160EB-2, 160EC-2, 160ED-2, 160EE-2, 160EF-2, 160EG-2, 160EH-2, 160EI-2, 160EJ-2, 160EK-2, 160EL-2, 160EM-2, 160EN-2, 160EO-2, 160EP-2, 160EQ-2, 160ER-2, 160ES-2, 160ET-2, 160EU-2, 160EV-2, 160EW-2, 160EX-2, 160EY-2, 160EZ-2, 160FA-2, 160FB-2, 160FC-2, 160FD-2, 160FE-2, 160FF-2, 160FG-2, 160FH-2, 160FI-2, 160FJ-2, 160FK-2, 160FL-2, 160FM-2, 160FN-2, 160FO-2, 160FP-2, 160FQ-2, 160FR-2, 160FS-2, 160FT-2, 160FU-2, 160FV-2, 160FW-2, 160FX-2, 160FY-2, 160FZ-2, 160GA-2, 160GB-2, 160GC-2, 160GD-2, 160GE-2, 160GF-2, 160GG-2, 160GH-2, 160GI-2, 160GJ-2, 160GK-2, 160GL-2, 160GM-2, 160GN-2, 160GO-2, 160GP-2, 160GQ-2, 160GR-2, 160GS-2, 160GT-2, 160GU-2, 160GV-2, 160GW-2, 160GX-2, 160GY-2, 160GZ-2, 160HA-2, 160HB-2, 160HC-2, 160HD-2, 160HE-2, 160HF-2, 160HG-2, 160HH-2, 160HI-2, 160HJ-2, 160HK-2, 160HL-2, 160HM-2, 160HN-2, 160HO-2, 160HP-2, 160HQ-2, 160HR-2, 160HS-2, 160HT-2, 160HU-2, 160HV-2, 160HW-2, 160HX-2, 160HY-2, 160HZ-2, 160IA-2, 160IB-2, 160IC-2, 160ID-2, 160IE-2, 160IF-2, 160IG-2, 160IH-2, 160II-2, 160IJ-2, 160IK-2, 160IL-2, 160IM-2, 160IN-2, 160IO-2, 160IP-2, 160IQ-2, 160IR-2, 160IS-2, 160IT-2, 160IU-2, 160IV-2, 160IW-2, 160IX-2, 160IY-2, 160IZ-2, 160JA-2, 160JB-2, 160JC-2, 160JD-2, 160JE-2, 160JF-2, 160JG-2, 160JH-2, 160JI-2, 160JJ-2, 160JK-2, 160JL-2, 160JM-2, 160JN-2, 160JO-2, 160JP-2, 160JQ-2, 160JR-2, 160JS-2, 160JT-2, 160JU-2, 160JV-2, 160JW-2, 160JX-2, 160JY-2, 160JZ-2, 160KA-2, 160KB-2, 160KC-2, 160KD-2, 160KE-2, 160KF-2, 160KG-2, 160KH-2, 160KI-2, 160KJ-2, 160KK-2, 160KL-2, 160KM-2, 160KN-2, 160KO-2, 160KP-2, 160KQ-2, 160KR-2, 160KS-2, 160KT-2, 160KU-2, 160KV-2, 160KW-2, 160KX-2, 160KY-2, 160KZ-2, 160LA-2, 160LB-2, 160LC-2, 160LD-2, 160LE-2, 160LF-2, 160LG-2, 160LH-2, 160LI-2, 160LJ-2, 160LK-2, 160LL-2, 160LM-2, 160LN-2, 160LO-2, 160LP-2, 160LQ-2, 160LR-2, 160LS-2, 160LT-2, 160LU-2, 160LV-2, 160LW-2, 160LX-2, 160LY-2, 160LZ-2, 160MA-2, 160MB-2, 160MC-2, 160MD-2, 160ME-2, 160MF-2, 160MG-2, 160MH-2, 160MI-2, 160MJ-2, 160MK-2, 160ML-2, 160MM-2, 160MN-2, 160MO-2, 160MP-2, 160MQ-2, 160MR-2, 160MS-2, 160MT-2, 160MU-2, 160MV-2, 160MW-2, 160MX-2, 160MY-2, 160MZ-2, 160NA-2, 160NB-2, 160NC-2, 160ND-2, 160NE-2, 160NF-2, 160NG-2, 160NH-2, 160NI-2, 160NJ-2, 160NK-2, 160NL-2, 160NM-2, 160NN-2, 160NO-2, 160NP-2, 160NQ-2, 160NR-2, 160NS-2, 160NT-2, 160NU-2, 160NV-2, 160NW-2, 160NX-2, 160NY-2, 160NZ-2, 160OA-2, 160OB-2, 160OC-2, 160OD-2, 160OE-2, 160OF-2, 160OG-2, 160OH-2, 160OI-2, 160OJ-2, 160OK-2, 160OL-2, 160OM-2, 160ON-2, 160OO-2, 160OP-2, 160OQ-2, 160OR-2, 160OS-2, 160OT-2, 160OU-2, 160OV-2, 160OW-2, 160OX-2, 160OY-2, 160OZ-2, 160PA-2, 160PB-2, 160PC-2, 160PD-2, 160PE-2, 160PF-2, 160PG-2, 160PH-2, 160PI-2, 160PJ-2, 160PK-2, 160PL-2, 160PM-2, 160PN-2, 160PO-2, 160PP-2, 160PQ-2, 160PR-2, 160PS-2, 160PT-2, 160PU-2, 160PV-2, 160PW-2, 160PX-2, 160PY-2, 160PZ-2, 160QA-2, 160QB-2, 160QC-2, 160QD-2, 160QE-2, 160QF-2, 160QG-2, 160QH-2, 160QI-2, 160QJ-2, 160QK-2, 160QL-2, 160QM-2, 160QN-2, 160QO-2, 160QP-2, 160QQ-2, 160QR-2, 160QS-2, 160QT-2, 160QU-2, 160QV-2, 160QW-2, 160QX-2, 160QY-2, 160QZ-2, 160RA-2, 160RB-2, 160RC-2, 160RD-2, 160RE-2, 160RF-2, 160RG-2, 160RH-2, 160RI-2, 160RJ-2, 160RK-2, 160RL-2, 160RM-2, 160RN-2, 160RO-2, 160RP

Alpine Engineered Products, Inc.

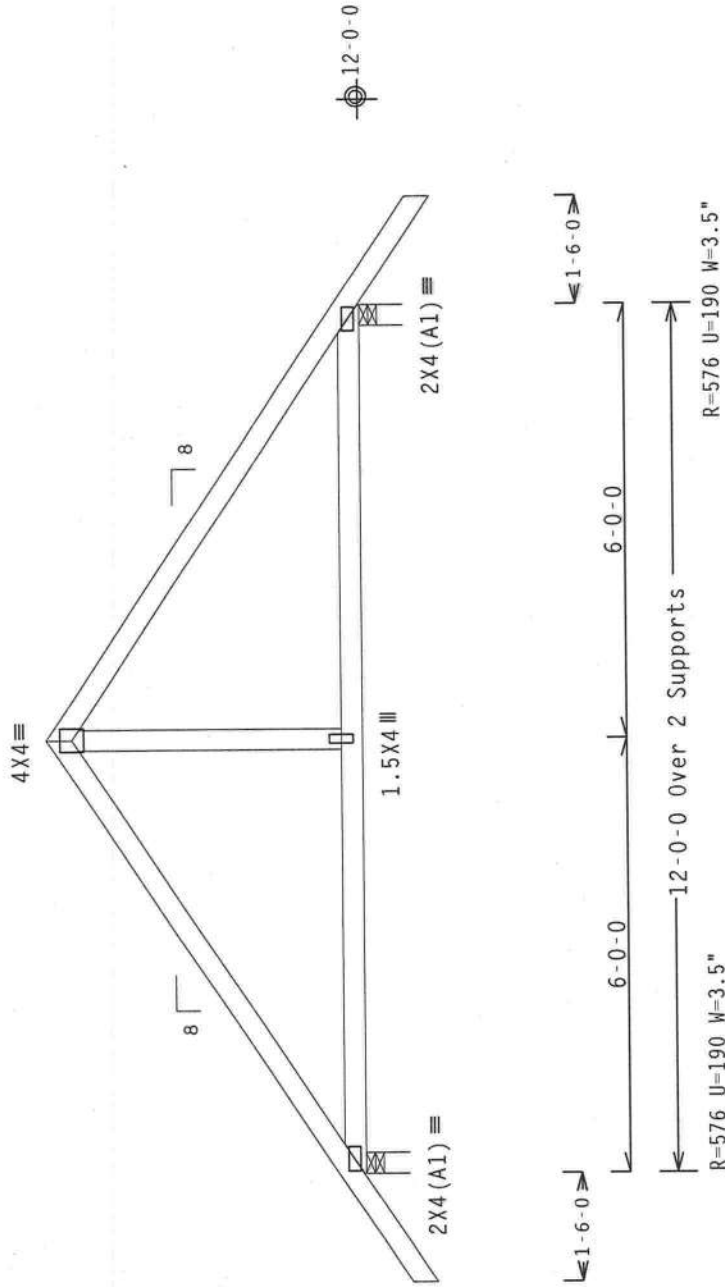


FL/-/3/-/-/R/-	Scale = .375"/Ft.
REF	R487-- 3223
DATE	08/30/05
DRW	HCUSR487 05242098
HC-ENG	TCE/AF
SEQN-	26165
FROM	JP
JREF-	1S02487_Z05

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

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

110 mph wind, 13.87 ft mean hgt, ASCE 7-98, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC
DL=5.0 psf.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

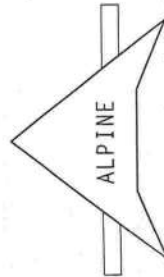
7.04

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

Scale = .375"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 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 TRUSSING DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AIA (NATIONAL DESIGN CONGRESS, 1000 K/H/S) GARY, INDIANA. CONNECTOR PLATES ARE MADE OF 2010/TIGER (WALBRIDGE) OR 2010/TIGER (WALBRIDGE) GARY, INDIANA. APPLY PLATES TO EACH JOINT OF THE TRUSS. UNLESS OTHERWISE INDICATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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

FL Certificate of Authorization # 567



TC LL

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 -- 3224

DATE 08/30/05

DRW HCUSR487 05242099

HC-ENG TCE/AF

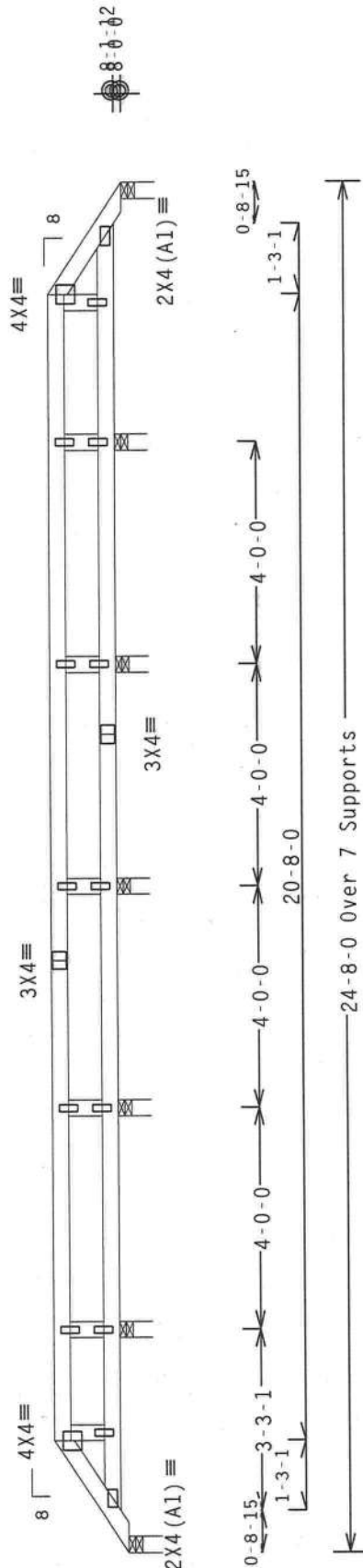
SEQN - 26159

FROM JP

JREF - 1SQ2487_Z05

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

Refer to DWG PIGBACKA0405 and/or PIGBACKB0405 for Piggyback details. Top Chord of supporting truss under piggyback to be braced @ 24" OC, unless otherwise specified.



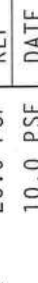
R=169 H=180 W=3.5"

Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave TPI

Design Crit: TPI-1995 (STD) / FBC

Scale = .3125"/Ft.



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

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-503 (WOOD JOINTS) AND BEST 1-504 (WOOD TRUSSES) FOR ADDITIONAL INFORMATION. TRUSSES ISSUED BY TPI TRUSS PLATE INSTITUTE, 583 MADISON, MI 48219, FOR MADISON, MI 53719, AND WICA, 16000 TRUSS COUNCIL OF AMERICA, 63000 ENTERPRISE LANE, MADISON, WI 53719, FOR SPECIFIC 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 TRUSSES IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC 1301 FOR STEEL TRUSSES. ALL TRUSSES SHALL BE GALVANNEAL STEEL, UNLESS OTHERWISE SPECIFIED. ASTM A575, GRADE 40/50 (40 KSI) GALV. STEEL. APPLY CONNECTIONS 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 A OF TPI-1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF R487 --	3226
TC DL	10.0 PSF	DATE	08/30/05
BC DL	10.0 PSF	DRW HCUSR487	05242101
BC LL	0.0 PSF	HC-ENG TCE /AF	
TOT. LD.	40.0 PSF	SEQN -	26697
DUR. FAC.	1.25	FROM JP	
SPACING	24.0"	JREF -	1S02487_Z05

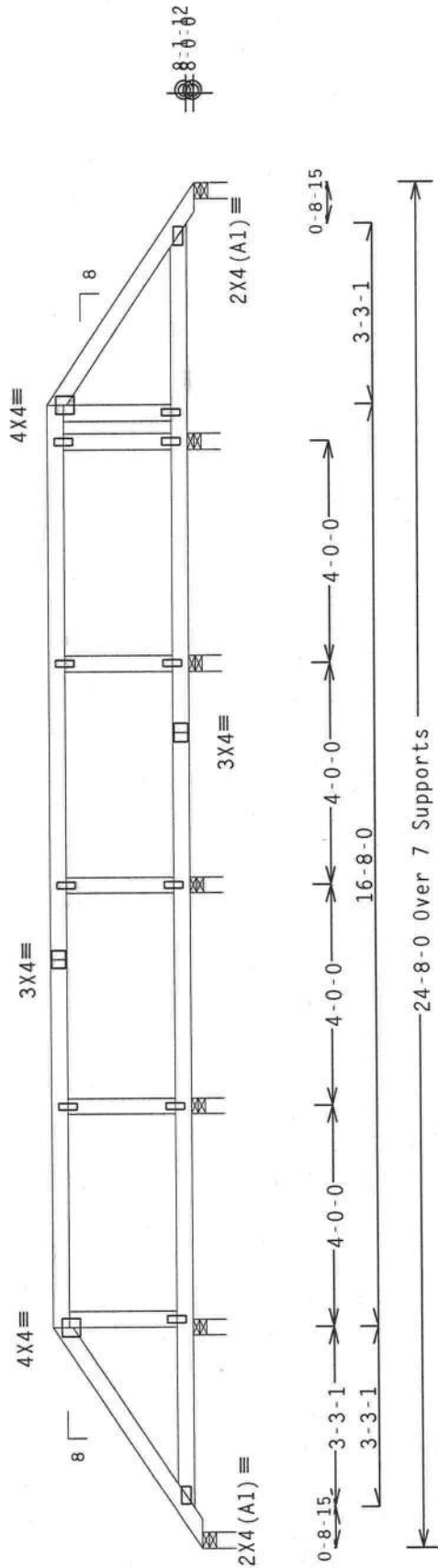
FL Certificate of Authorization # 567

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

110 mph wind, 9.33 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.

Refer to DWG PIGBACKA0405 and/or PIGBACKB0405 for PIGgyback details. Top Chord of supporting truss under piggyback to be braced @ 24" OC, unless otherwise specified.



R=77 H=180 W=3.5"

P=382 H=180 W=35" R=346 H=180 W=35" R=317 U=180 W=35" R=306 U=180 W=35" R=465 U=180 W=35"

R=80 U=180 W=3.5"

Note: All Plates Are 1.5X4 Except As Shown.

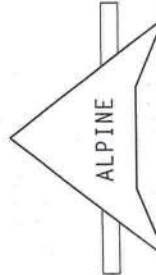
PLT TYP. Wave TPI

Design Crit: TPT-1995 (STD) / FBC

71

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

Scale = .3125"/Ft.



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

FL Certificate of Authorization # 567

WARNING: THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DECS 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 583 "O"NOFFICE DR., SUITE 200, MADISON, WI 53719, AND WTA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO TRUSS CONSTRUCTION, UNLESS OTHERWISE INDICATED. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

[illegible]

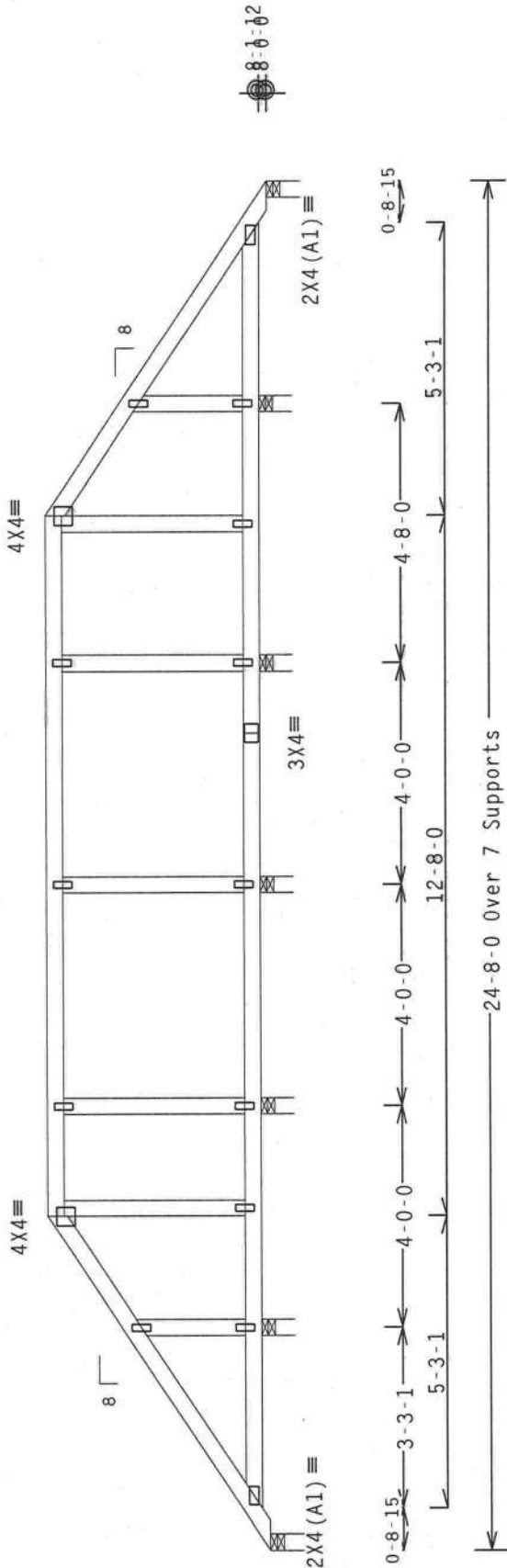
TC LL	20.0 PSF	REF R487 - - 3227
TC DL	10.0 PSF	DATE 08/30/05
BC DL	10.0 PSF	DRW HCUSR487 05242102
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 26812
DUR.FAC.	1.25	FROM JP
SPACING	24.0"	JREF- 1S02487_Z05

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

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

Refer to DWG PIGBACKA0405 and/or PIGBACKB0405 for Piggyback details. Top Chord of supporting truss under piggyback to be braced @ 24" OC, unless otherwise specified.

110 mph wind, 10.00 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-149 U=180 W=3.5"

R-339 U=180 W=3.5" R-314 U=180 W=3.5" R-310 U=180 W=3.5" R-349 U=180 W=3.5" R-371 U=180 W=3.5"

R-142 U=180 W=3.5"

Note: All Plates Are 1.5x4 Except As Shown.

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

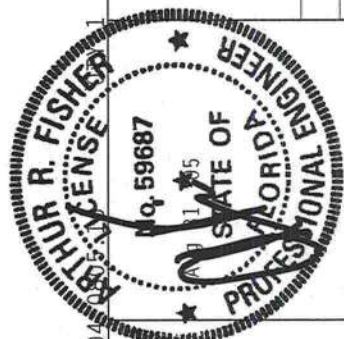
FL/-/3/-/-/R/-

Scale = .3125"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 963 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 WISCONSIN AVE., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO AND DURING INSTALLATION. ALL TRUSSES MUST BE PROPERLY RIGIDLY BRACED TO THE BUILDING STRUCTURE. ALL TRUSSES MUST 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 A BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY ATR&P) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/160A (M/N/S/X) 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. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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



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

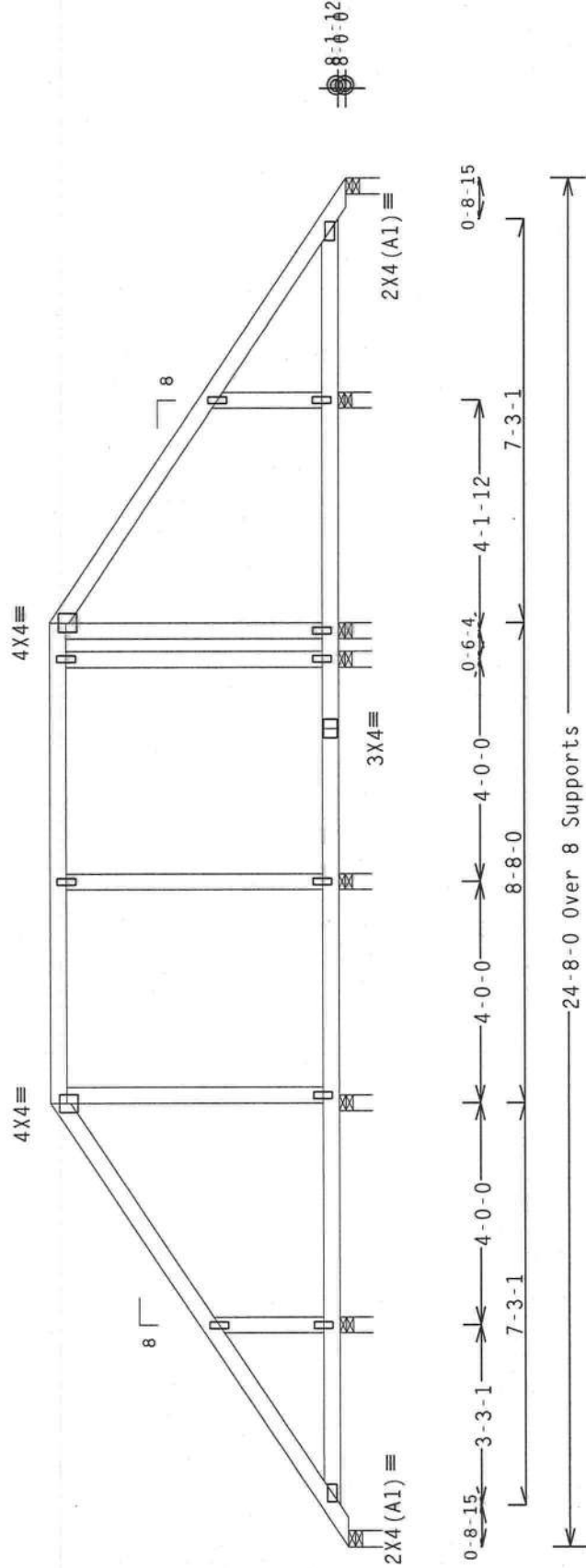
REF	R487 -- 3228
DATE	08/30/05
DRW	HCUSR487 05242103
HC-ENG	TCE/AF
SEQN	26817
FROM	JP
JREF	1SQ2487_Z05

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

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

Refer to DWG PIGBACKA0405 and/or PIGBACKB0405 for Piggyback details. Top Chord of supporting truss under piggyback to be braced @ 24" OC, unless otherwise specified.

110 mph wind, 10.67 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.



Note: All 1 Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

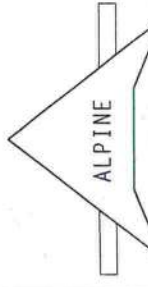
7.0

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

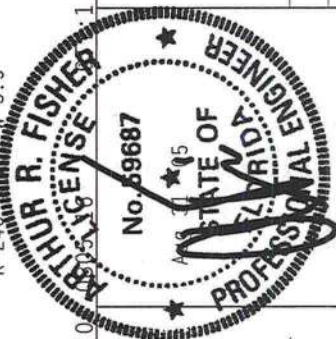
Scale = .3125"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC311-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATFORM INDUSTRIES), 1950 MARLEY DRIVE, HAINES CITY, FL 33844, 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 PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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



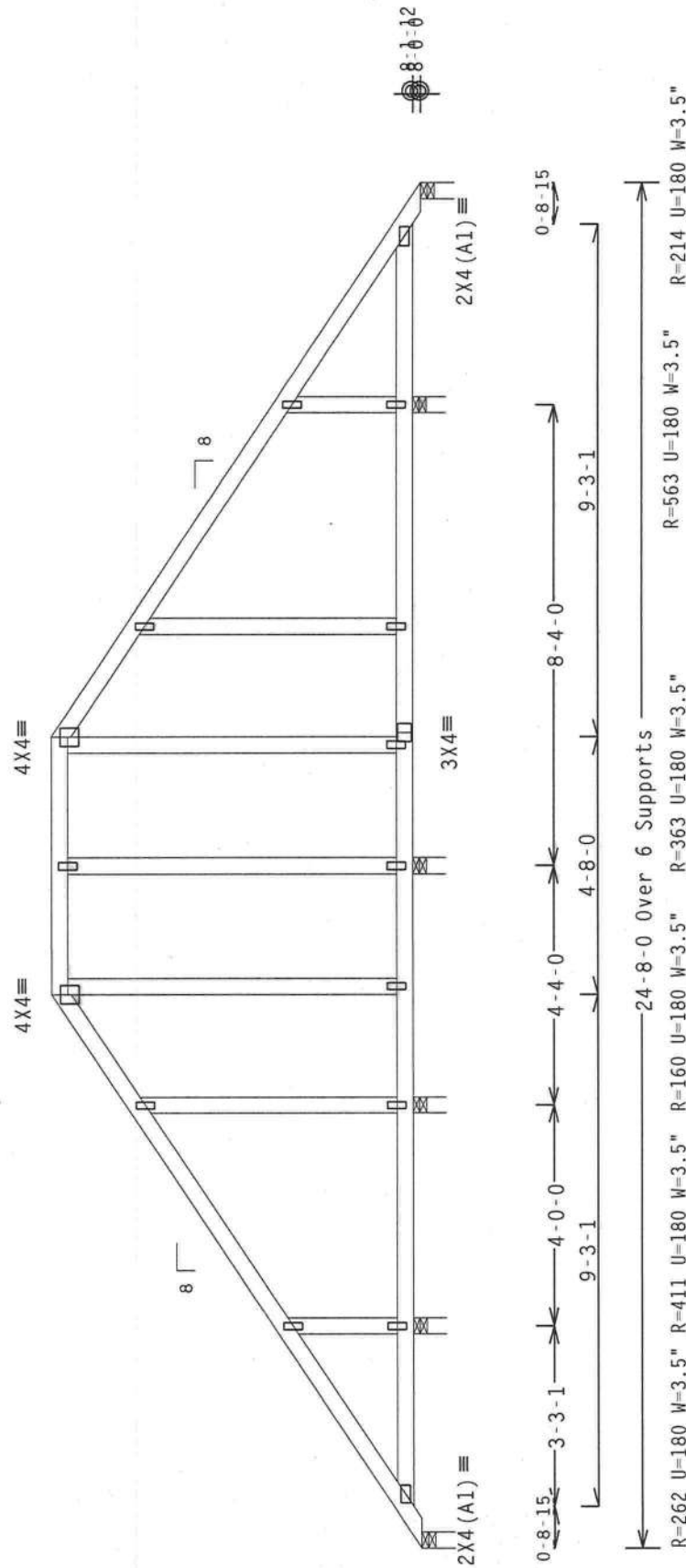
TC LL	20.0 PSF	REF	R487--	3229
TC DL	10.0 PSF	DATE	08/30/05	
BC DL	10.0 PSF	DRW	HCUSR487	05242104
BC LL	0.0 PSF	HC-ENG	TCE/AF	
TOT.LD.	40.0 PSF	SEON-	26830	
DUR.FAC.	1.25	FROM	JP	
SPACING	24.0"	JREF-	1SQ2487_Z05	

110 mph wind, 11.33 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

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

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

Refer to DWG PIGBACKA0405 and/or PIGBACKB0405 for Piggyback details. Top Chord of supporting truss under piggyback to be braced @ 24" OC, unless otherwise specified.



Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP.: Wave TPI

Design Crit: TPI-1995 (STD)/FBC

7.04

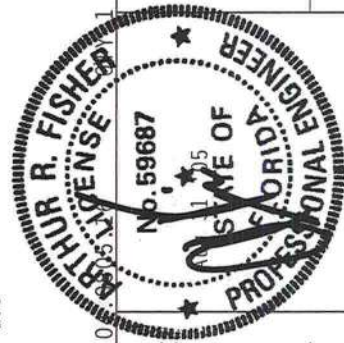
FL/-/3/-/-/R/-/

Scale = .3125"/Ft.

WARNING: THESE REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. PRESTRESSING OF THE TRUSS COMPONENTS SHALL BE PERFORMED BY TPI CRUISS PLATE INSTITUTE, 503 PARKWAY WEST, BUILDING COMPONENT FABRICTION, PUBLISHED BY TPI CRUISS PLATE INSTITUTE, 503 PARKWAY WEST, SUITE 200, MADISON, WI 53719, AND WICA, 6200 ENTERPRISE LN., DEMPSTER DR., SUITE 200, MADISON, WI 53719, UNLESS OTHERWISE INDICATED.

TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED CEILING.

PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR THIS DESIGN; THE INSTALLATION CONTRACTOR, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MOS (NATIONAL DESIGN SPEC. BY AIAA) AND TP1. THE ALPINE TRUSS COMPANY SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS, INCLUDING THE DESIGN OF THE TRUSS COMPONENTS, 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 AMBEX 43 OF TP1-2002 SEC.2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DRAWING. THE USE OF THIS COMMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMBEX TP1-1 SEC. 2.



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

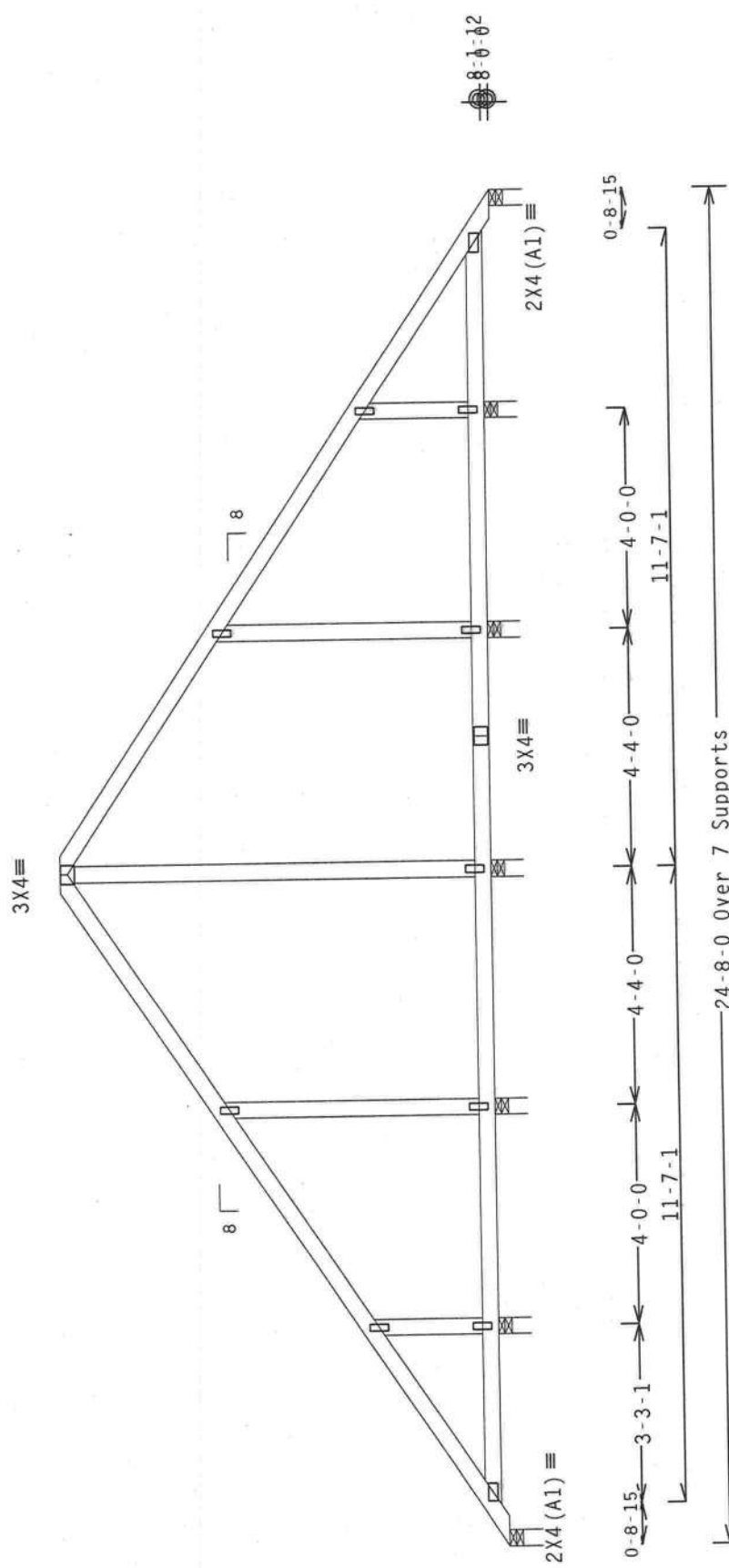
Haines City, FL 33844
FL Certificate of Authorization # 567

5 222 ISAAC CONSTR -#10 COBBLESTONE -- ISAAC CONSTR -#10 COBBLESTONE - AP6)

110 mph wind, 12.00 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.

Refer to DWG PIGBACKA0405 and/or PIGBACKB0405 for Piggyback details. Top Chord of supporting truss under piggyback to be braced @ 24" OC, unless otherwise specified.



Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave TPI

ALPINE

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

Design Crit: TPI-1995(STD)/FBC

7.04

****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 THE AISC 300D TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES WHEN 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 TRUSSES IN CONFORMANCE WITH THE SPECIFICATIONS FOR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN COMPLIANCE WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. APPLY NOTES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z-1 THRU Z-4. ALL DIMENSIONS ARE MADE OF 20/18/16GA (.4/H/S/K) ASTM A653 GRADE 40/60 (M. K/H-S) GALV. STEEL. A SEAL ON THIS 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.

FL/-3/-/-/R/-	Scale = .3125"/Ft.
TC LL 20.0 PSF	REF R487 -- 3231
TC DL 10.0 PSF	DATE 08/30/05
BC DL 10.0 PSF	DRW HCUSR487 05242106
BC LL 0.0 PSF	HC-ENG TCE/AF
TOT.L.D. 40.0 PSF	SEQN - 26836
DUR.FAC. 1.25	FROM JP
SPACING 24.0"	JREF - 1S02487_Z05

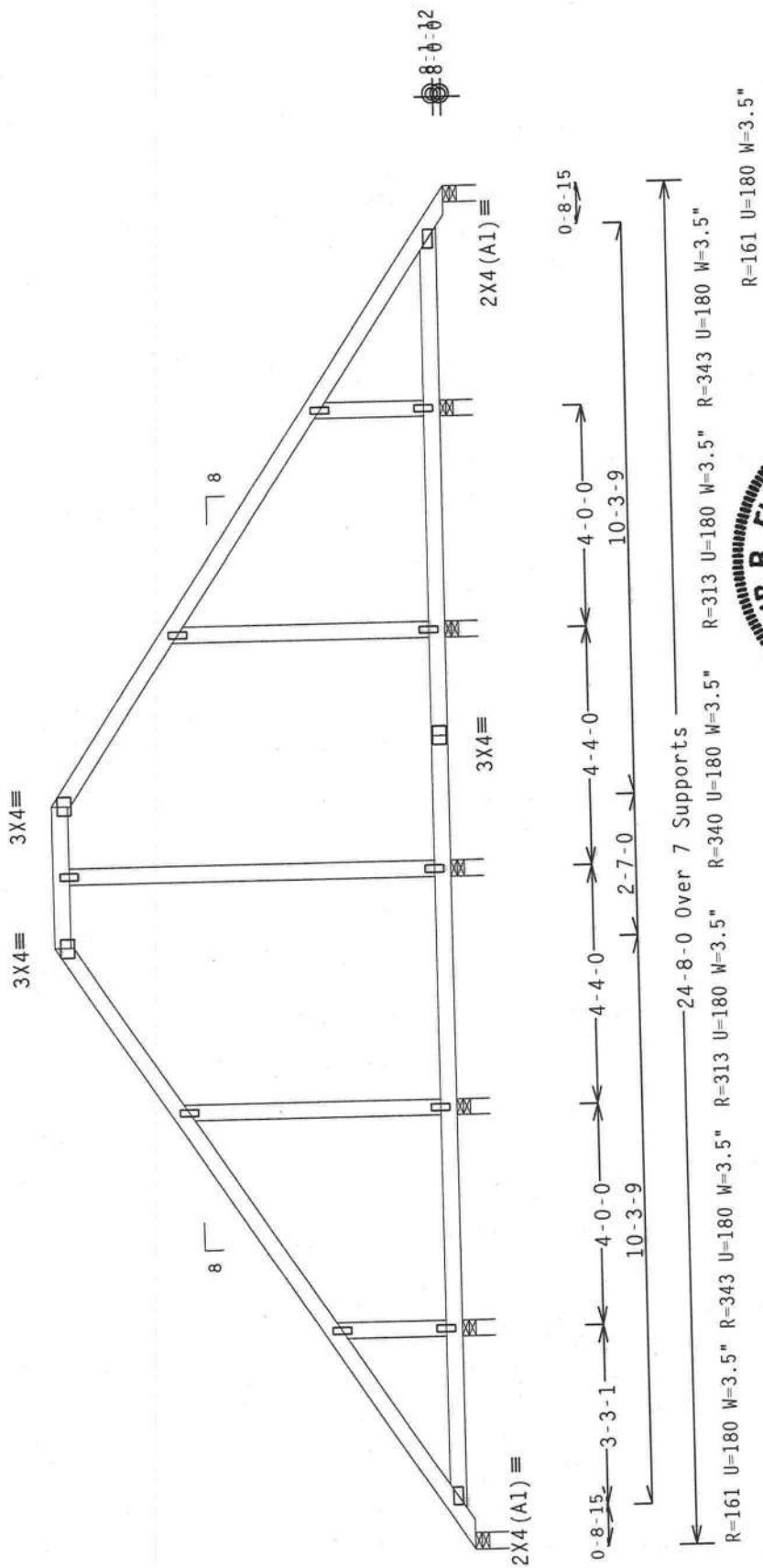
LICENSE NO. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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.

Refer to DWG PIGBACKA0405 and/or PIGBACKB0405 for
Piggyback details. Top Chord of supporting truss
under piggyback to be braced @ 24" OC, unless
otherwise specified.

110 mph wind, 11.68 ft mean hgt, ASCE 7-98, CLOSED bldg, not
located within 4.50 ft from roof edge, CAT II, EXP 8, wind Tc
DL=5.0 psf, wind BC DL=5.0 psf.



Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave TPI		Design Crit: TPI-1995(STD)/FBC		7.04		Scale = .3125" / Ft.	
		24'-8-0 Over 7 Supports		R=161 U=180 W=3.5"		R=161 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=313 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=340 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"		R=343 U=180 W=3.5"	
		R=343 U=180 W=3.5"		R=343 U=180 W			

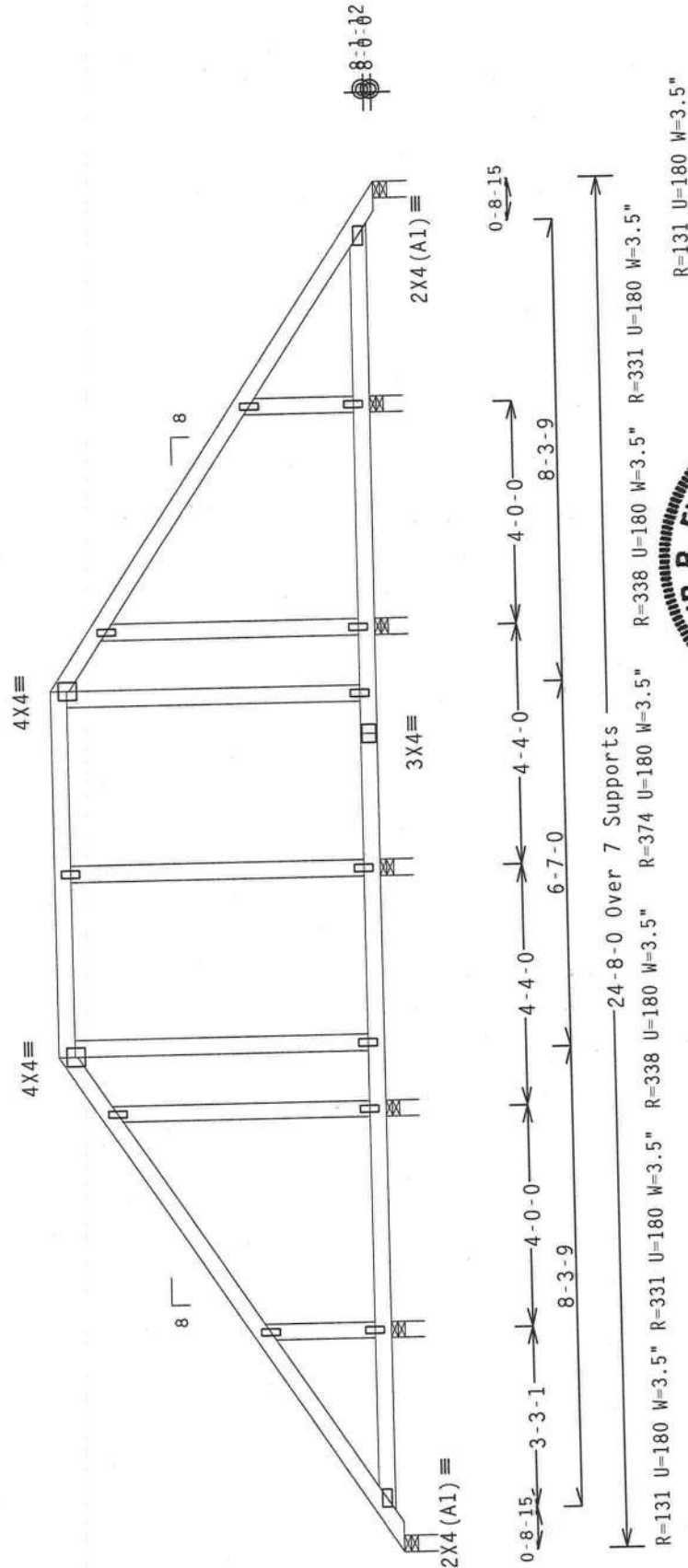
5-333-ISAAC CONSTR. - #10 COBBLESTONE -- ISAAC CONSTR. #10 COBBLESTONE - (AP8)

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.

Refer to DWG PIGBACKA0405 and/or PIGBACKB0405 for Piggyback details. Top Chord of supporting truss under piggyback to be braced @ 24" OC, unless otherwise specified.

110 mph wind, 11.01 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.



Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave TPI

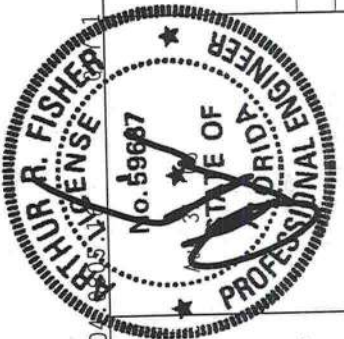
Design Crit: TPI-1995 (STD) / FBC

7.0

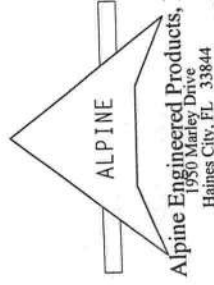
FL / - / 3 / - / R / -

Scale = .3125" / Ft.

TC LL	20.0 PSF	REF	R487 - -	3233
TC DL	10.0 PSF	DATE	08/30/05	
BC DL	10.0 PSF	DRW	HCUSR487	05242108
BC LL	0.0 PSF	HC-ENG	TCE / AF	
TOT.LD.	40.0 PSF	SEON -	26845	
DUR.FAC.	1.25	FROM	JP	
SPACING	24.0"	JREF -	1SQ2487_Z05	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1 OR FABRICATION, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROFESSIONAL ENGINEERING DESIGN SPEC. BY ATRPA AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 6061-T6 ALUMINUM. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-Z. PLATES TO EACH FACE OF EACH MEMBER. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-Z. ANY INSPECTION OF THIS TRUSS SHALL BE FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS INFORMATION SHOWS THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

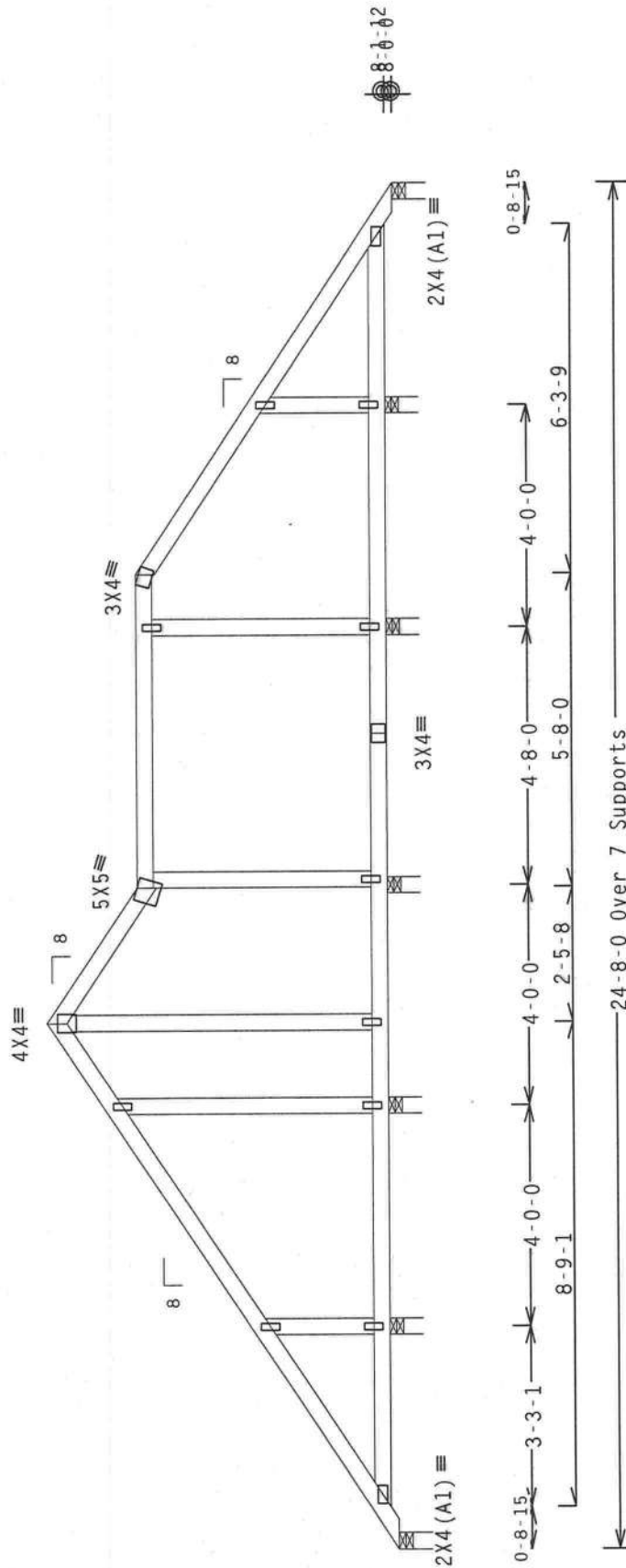


Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

Refer to DWG PIGBACKA0405 and/or PIGBACKB0405 for Piggyback details. Top Chord of supporting truss under piggyback to be braced @ 24" OC, unless otherwise specified.

110 mph wind, 11.17 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=141 U=180 W=3.5"

R=329 U=180 W=3.5" R=349 U=180 W=3.5" R=312 U=180 W=3.5"

R=374 U=180 W=3.5" R=332 U=180 W=3.5"

Note: All Plates Are 1.5x4 Except As Shown.

PLT TYP. Wave TPI

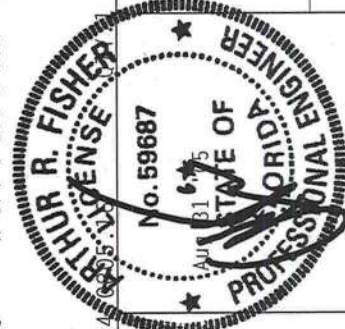
Design Crit: TPI-1995(STD)/FBC

7.04

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

Scale = .3125"/Ft.

REF	R487 --	3234
DATE	08/30/05	
DRW	HCUSR487	05242109
HC-ENG	TCE/AF	
SEQN	27108	
FROM	JP	
JREF	1S02487_Z05	



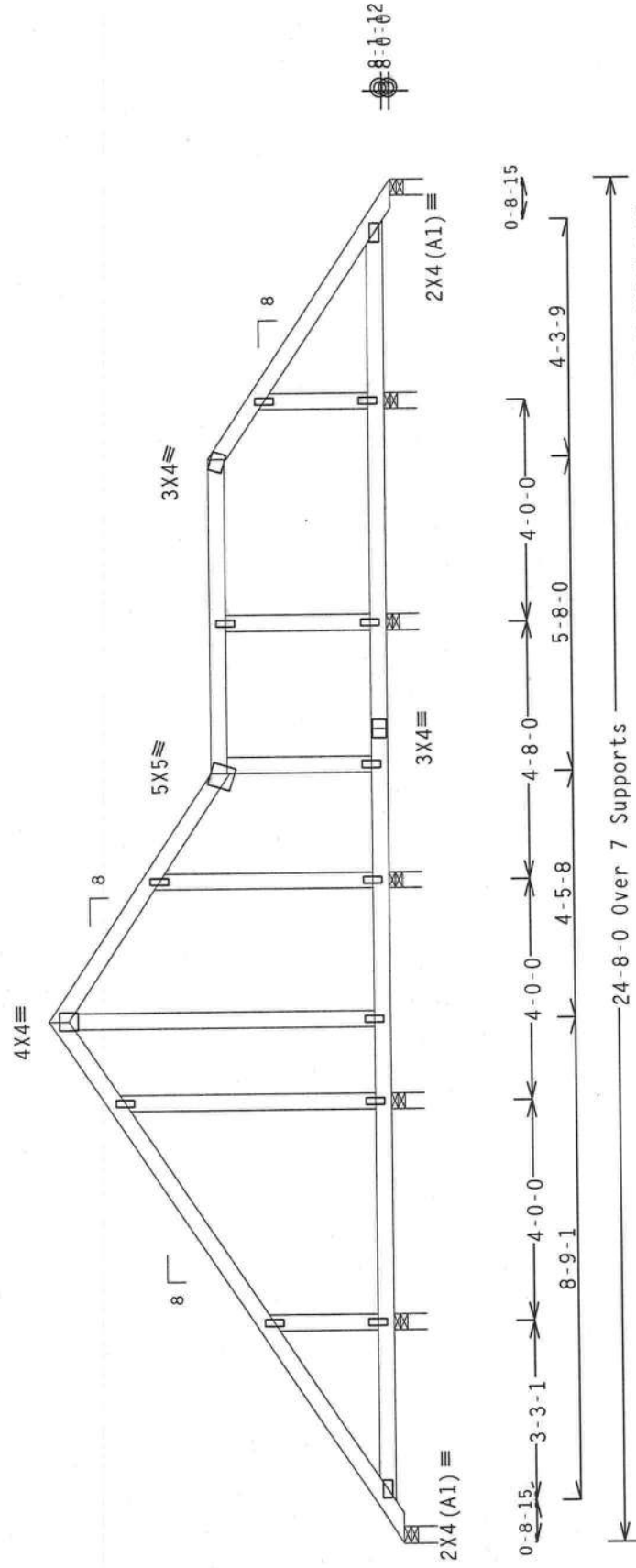
ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

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

110 mph wind, 11.17 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.

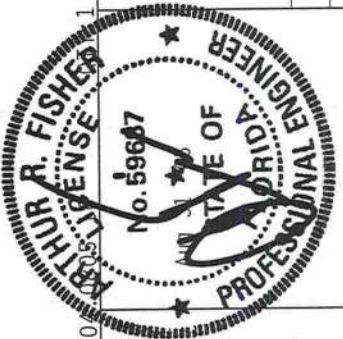
Refer to DWG PIGBACKA0405 and/or PIGBACKB0405 for piggyback details. Top Chord of supporting truss under piggyback to be braced @ 24" OC, unless otherwise specified.



R=136 U=180 W=3.5" R=335 U=180 W=3.5" R=322 U=180 W=3.5" R=358 U=180 W=3.5" R=347 U=180 W=3.5" R=345 U=180 W=3.5" R=130 U=180 W=3.5"

Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave TPI	Design Crit: TPI-1995(STD)/FBC	7.0	1	FL/-/3/-/-/R/-	Scale = .3125"/Ft.
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES SHALL BE THE RESPONSIBILITY OF THE TRUSS CONTRACTOR. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. FOR STEEL) AND AISC 360 (SPECIFICATION FOR STRUCTURAL STEEL). CONNECTOR PLATES ARE MADE OF 2018/16GA (U.S. 2018/16GA) ASH (U.S. 2018/16GA) GALVALUM. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS SHALL BE IN INCHES. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.					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 -- 3235
					DATE 08/30/05
					DRW HCUSR487 05242110
					HC-ENG TCE/AF
					SEQN- 27113
					FROM JP
					JREF- 1S02487_Z05



ALPINE

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

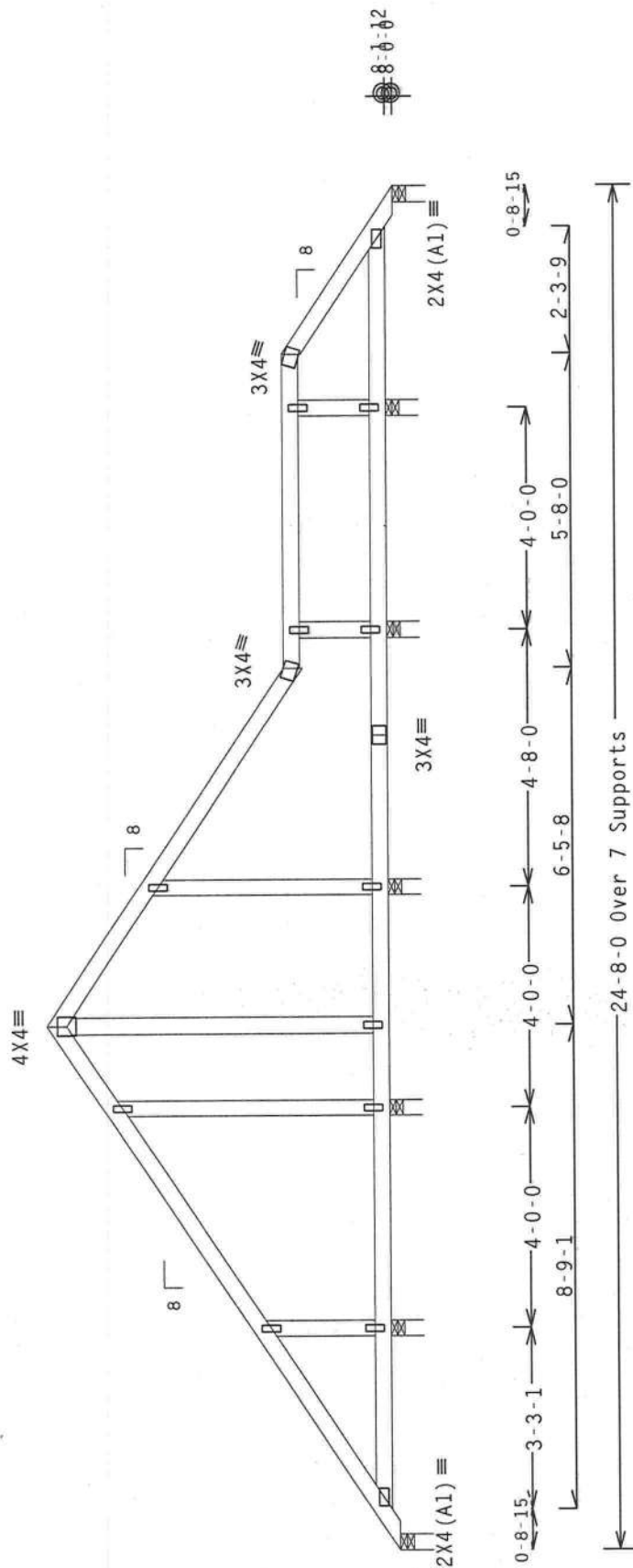
FL Certificate of Authorization # 567

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

110 mph wind, 11.17 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.

Refer to DWG PIGBACKA0405 and/or PIGBACKB0405 for Piggyback details. Top Chord of supporting truss under piggyback to be braced @ 24" OC, unless otherwise specified.



Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave TPI

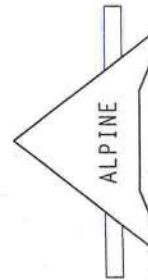
Design Crit: TPI-1995 (STD) / FBC

0

Scale = .3125" / Ft.

TC LL	20.0 PSF	REF R487--	3236
TC DL	10.0 PSF	DATE	08/30/05
BC DL	10.0 PSF	DRW	HCUSR487 05242111
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	27116
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF-	1SQ2487_Z05

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND UPACING. REFER TO BEST 1-800 (BUILDING CONSTRUCTION) TRUSS PLATE INSTITUTE, 503 WEST 10TH AVENUE, DENVER, COLORADO 80202, FOR TRUSS PLATE INSTITUTE LITERATURE. TRUSS MANUFACTURERS MUST FOLLOW THE TRUSS MANUFACTURING PRACTICES OF AMERICA, 6300 ENTERPRISE LANE, MASON, OHIO 45750, FOR TRUSS MANUFACTURING PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED IN THE TRUSS MANUFACTURING PRACTICES OF AMERICA, ALL TRUSS CHORDS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

[illegible]

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

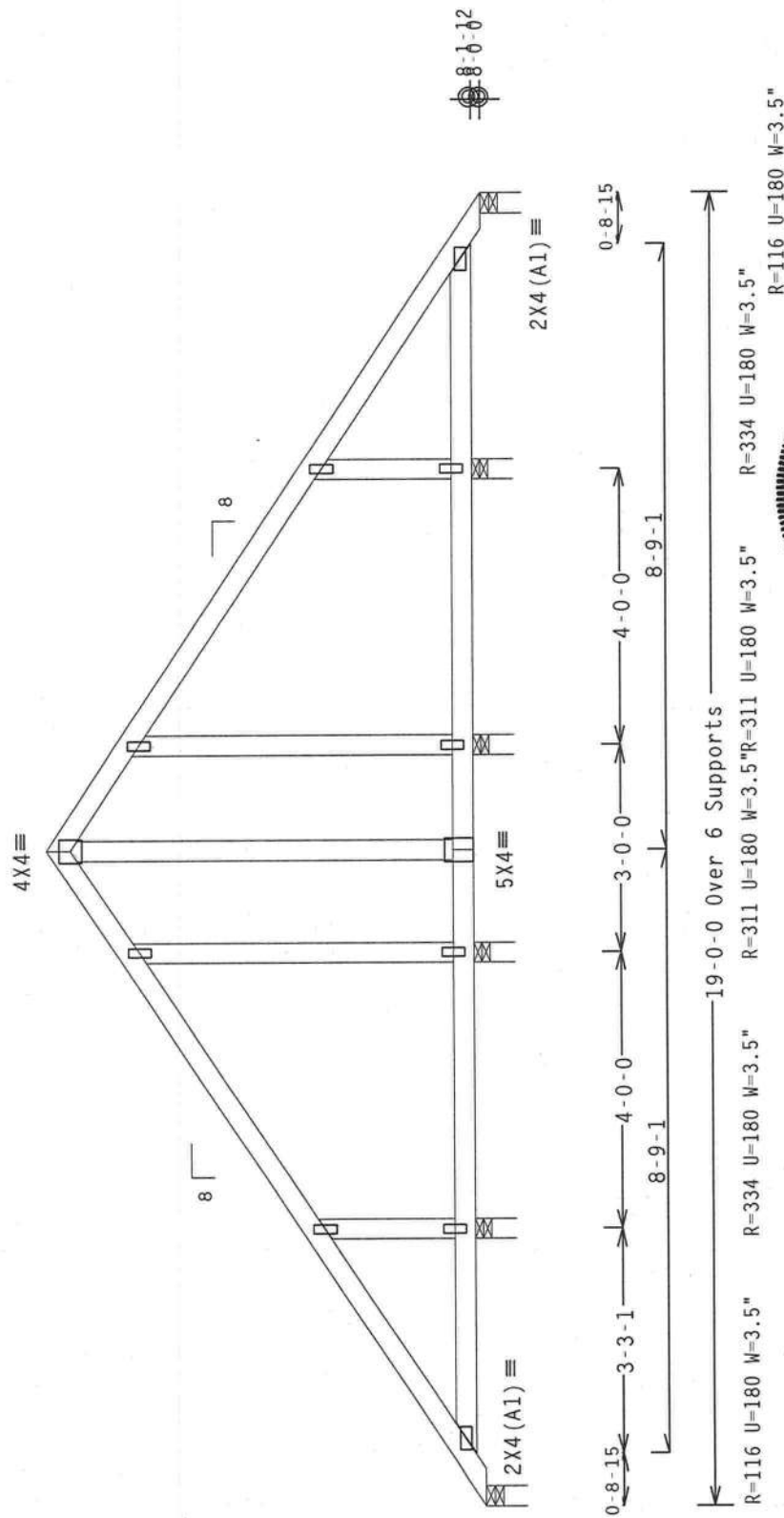
FL. Certificate of Authorization # 567

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

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

Refer to DWG PIGBACKA0405 and/or PIGBACKB0405 for Piggyback details. Top Chord of supporting truss under piggyback to be braced @ 24" OC, unless otherwise specified.

110 mph wind, 11.17 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.



Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

.04

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

Scale = .375"/Ft.

TC LL	20.0	PSF	REF	R487--	3237
TC DL	10.0	PSF	DATE	08/30/05	
BC DL	10.0	PSF	DRW	HCUSR487	05242112
BC LL	0.0	PSF	HC-ENG	TCE/AF	
TOT.LD.	40.0	PSF	SEQN-	27125	
DUR.FAC.	1.25		FROM	JP	
SPACING	24.0"		JREF-	1SQ2487_Z05	



ALPINE

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

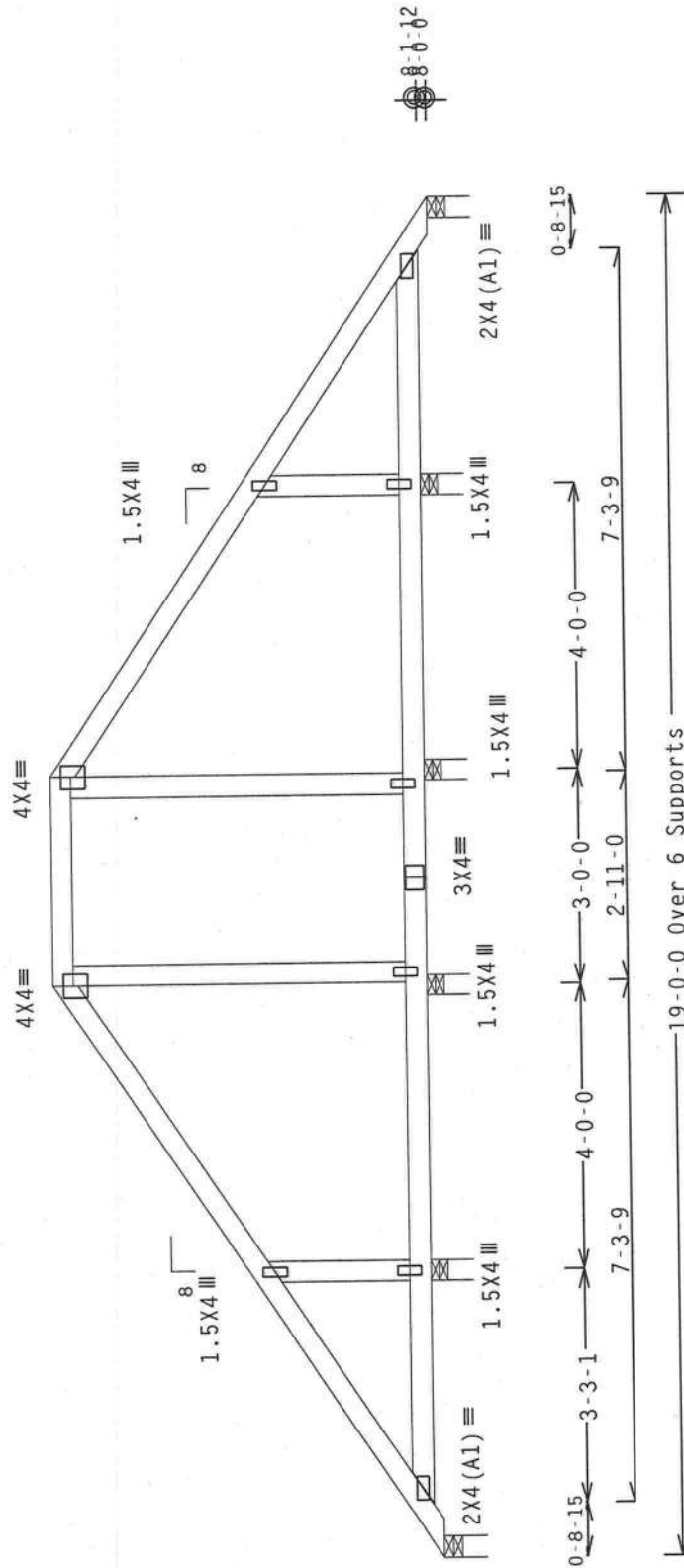
Haines City, FL 33844
FL Certificate of Authorization # 567

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.

Refer to DWG PIGBACKA0405 and/or PIGBACKB0405 for Piggyback details. Top Chord of supporting truss under piggyback to be braced @ 24" OC, unless otherwise specified.

110 mph wind, 10.68 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind Tc DL=5.0 psf, wind BC DL=5.0 psf.



R=98 U=180 W=3.5" R=357 U=180 W=3.5" R=305 U=180 W=3.5" R=357 U=180 W=3.5" R=98 U=180 W=3.5"

Design Crit: TPI-1995(STD)/FBC 7.00 1 FL/-/3/-/-/R/- Scale = .375"/Ft.

PLT TYP. Wave TPI



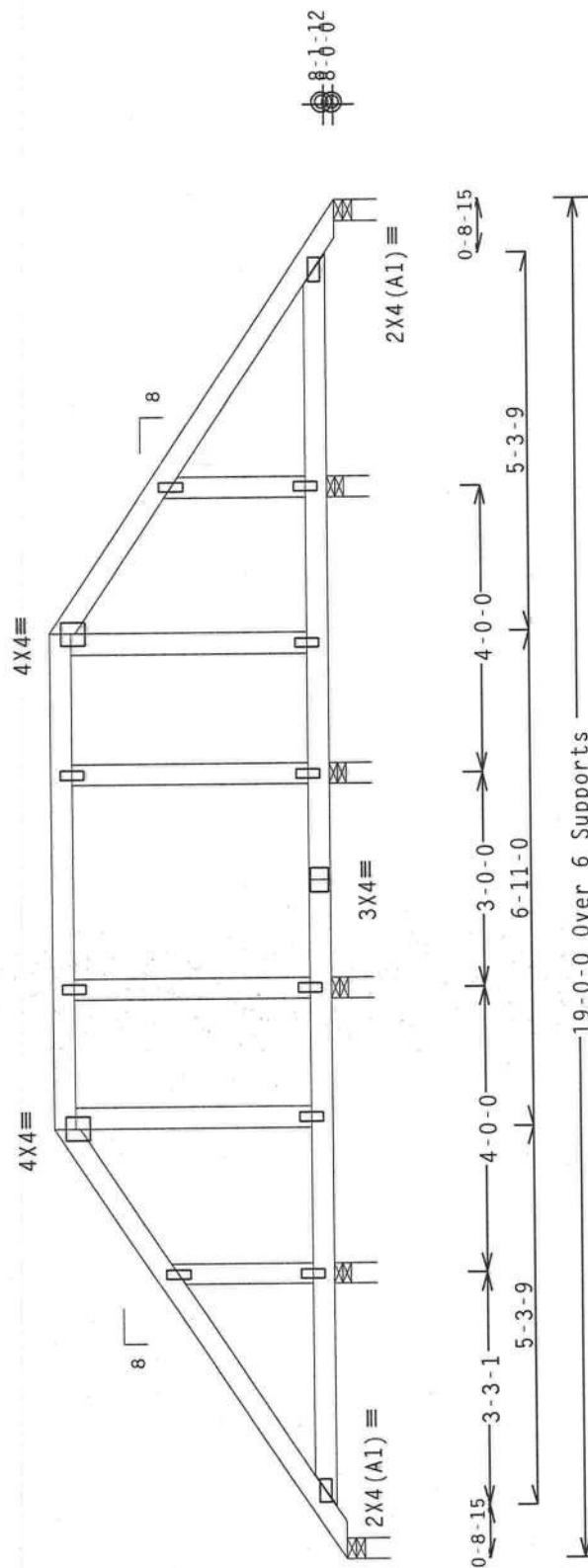
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (TPI TRUSS PLATE INSTITUTE, 583 MADISON, MI 48131) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PSI), GALV. STEEL, CONNECTOR PLATES ARE MADE OF 2018/16GA (IN-H/5/4) ASH 6053 BOND, THIS DESIGN, POSITION PER DRAWINGS 160A-2, PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE NOTED, THIS DESIGN PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

TC LL	20.0 PSF	REF	R487 --	3238
TC DL	10.0 PSF	DATE	08/30/05	
BC DL	10.0 PSF	DRW	HCUSR487	05242113
BC LL	0.0 PSF	HC-ENG	TCE/AF	
TOT.LD.	40.0 PSF	SEQN-	27128	
DUR.FAC.	1.25	FROM	JP	
SPACING	24.0"	JREF-	1S02487_Z05	

Refer to DWG PIGBACKA0405 and/or PIGBACKB0405 for PIGgyback details. Top Chord of supporting truss under piggyback to be braced @ 24" OC, unless otherwise specified.



Design Crit: TPI-1995 (STD) / FBC

[illegible]

PRODUCT* KUNENSHI & CO. LTD. THE INSTALLATION CONTRACTOR
INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN:
 TRUSS IN CONFORMANCE WITH TPI;
 OR FABRICATING, HANDLING, SHIPING, INSTALLING
 DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MOS (NATIONAL BUILDING CODE) 40/60 (IN 6/10-5) GALV STEEL
 CONNECTIONS TO EACH FACE OF TROUSS 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.
 DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE DESIGN OF THE BUILDING IS THE RESPONSIBILITY OF THE
 DESIGN SIGNATURED PER ANNEX (1) SEC.3 OF THIS COMMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

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

Haines City, FL 33844
FL Certificate of Authorization # 567

FL/-/3/-/-R/-		Scale =.375"/Ft.
TC LL	20.0 PSF	REF R487 -- 3239
TC DL	10.0 PSF	DATE 08/30/05
BC DL	10.0 PSF	DRW HCUSR487 05242114
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 27132
DUR.FAC.	1.25	FROM JP
SPACING	24.0"	JREF- 1S02487_Z05

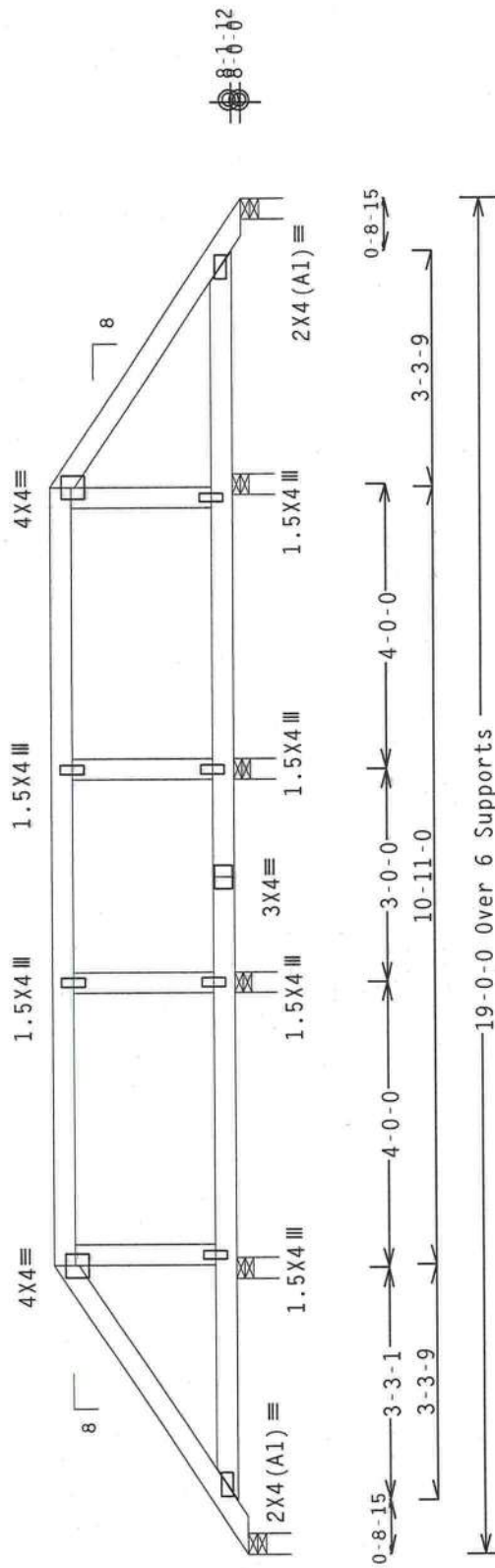


Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	

110 mph wind, 9.35 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

Refer to DWG PIGBACKA0405 and/or PIGBACKB0405 for Piggyback details. Top Chord of supporting truss under piggyback to be braced @ 24" OC, unless otherwise specified.



R=58 U=180 W=3.5"

R=397 H=180 W=3.5"

P=305 H=180 W=3 5" P=305 H=180 W=3 5"

D-307 11-180 W-3 E"

0 50 11-100 11-2 E"

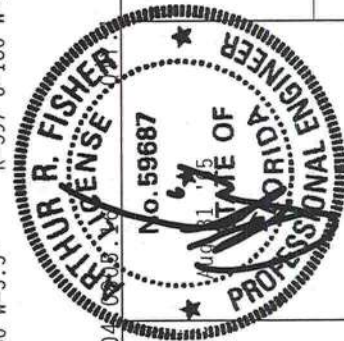
PIT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

Scale = .375" / Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESIGNS (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY (PRESS OR COMPANY), (ADDRESS), (CITY), (STATE), (ZIP) FOR GOOD INTERPRETATION OF DIMENSIONS, MATERIALS, MANUFACTURING 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 TOPGIRD CETING.

[illegible]

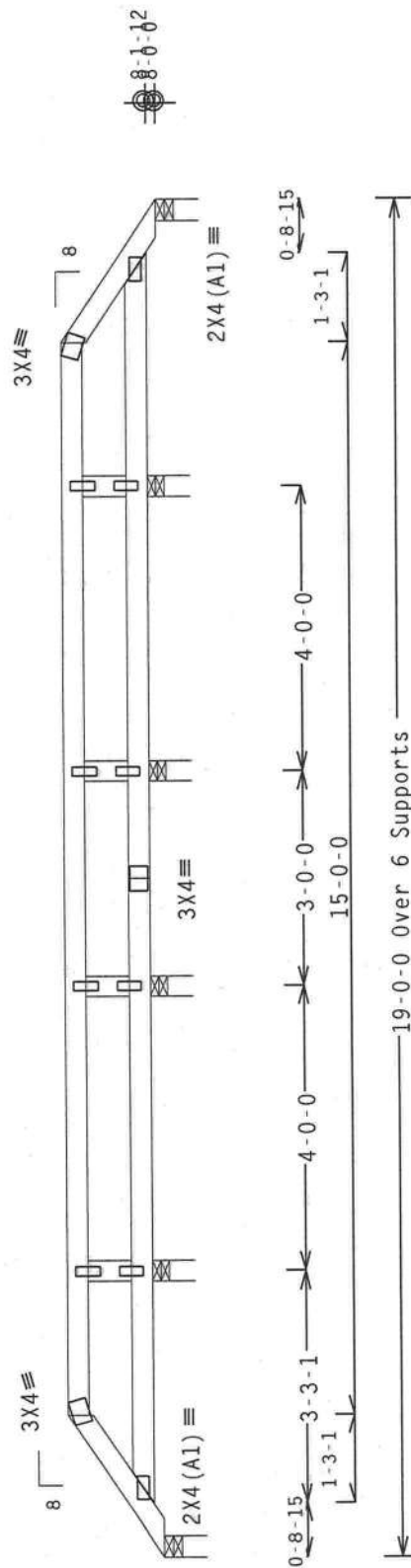
TC LL	20.0	PSF	REF	R487--	3240
TC DL	10.0	PSF	DATE	08/30/05	
BC DL	10.0	PSF	DRW	HCUSR487	05242115
BC LL	0.0	PSF	HC-ENG	TCE/AF	
TOT.LD.	40.0	PSF	SEQN-	27136	
DUR.FAC.	1.25		FROM	JP	
SPACING	24.0"		JREF-	1SQ2487_Z05	

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

1110 mph wind, 8.67 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.

Refer to DWG PIGBACK0405 and/or PIGBACK80405 for Piggyback details. Top Chord of supporting truss under piggyback to be braced @ 24" OC, unless otherwise specified.



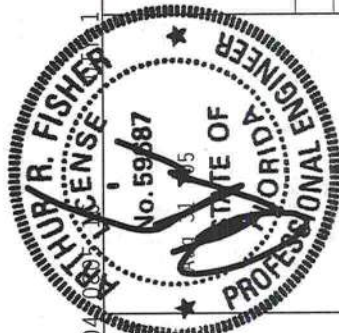
Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave TPI

Design Crit: TPI-1995 (STD)/FBC

Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R487 - - 3241
TC DL	10.0 PSF	DATE	08/30/05
BC DL	10.0 PSF	DRW	HCUSR487 05242116
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEGN-	27175
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF-	1SQ2487_Z05



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

****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE PROVIDING FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND ERECTING THE TRUSS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPECIFICATION) AND TP1. ALPINE CONNECTOR PLATES ARE AVAILABLE AT THE FOLLOWING ADDRESSES: K&H CO., 6070 W. 18TH AVENUE, STEEL CITY, COLORADO 80501-4960 (F. 303/441-4400); K&H CO., 4010 S. 10TH STREET, STEEL CITY, COLORADO 80501-4960 (F. 303/441-4400). THESE COMPANIES HAVE OFFICES LOCATED ON THIS DESIGN POSITION PER DRAWINGS 160A-2. PLATES EACH HAVE AN UNLESS OTHERWISE INDICATED BY THE DESIGN POSITION PER DRAWINGS 160A-2. A SEAL ON THIS PLATING SPECIFICATIONS OF PLATES FOLLOWED BY (1) SHALL BE PER ANEX A OF TP1-2002 SEC.-3.

DESIGN SHOWN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING. INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING SHOWN PER ANSI/TPI 1 SEC.-2.



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

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

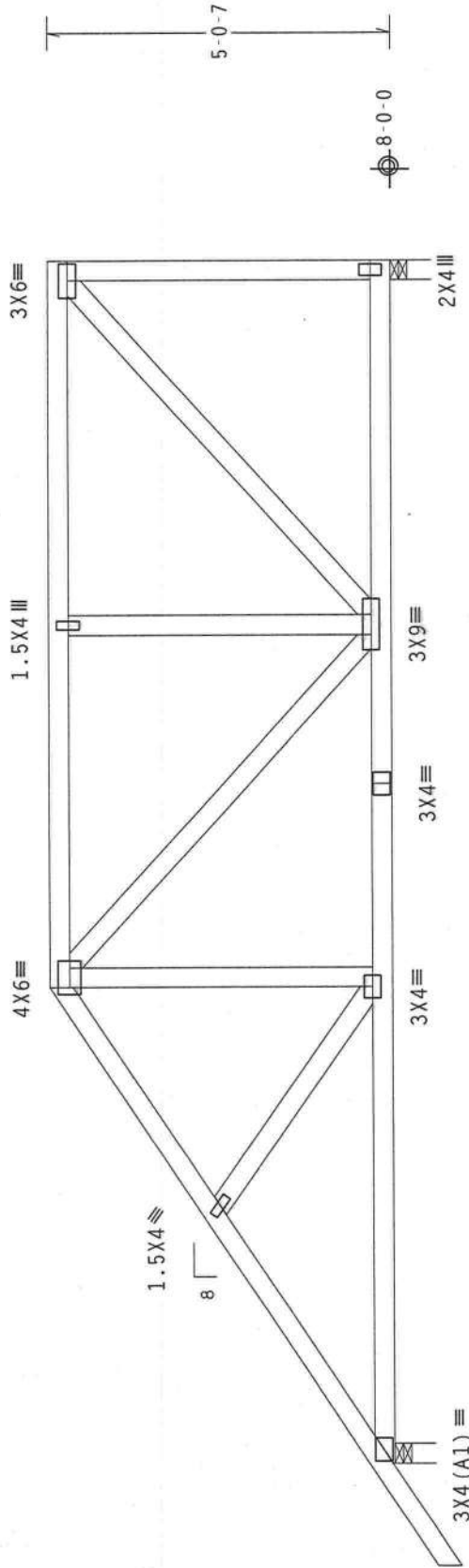
SPECIAL LOADS

----- (LUMBER DUR. FAC. = 1.25 / PLATE DUR. FAC. = 1.25)
TC - From 60 PLF at 1.50 to 60 PLF at 7.00
TC - From 126 PLF at 7.00 to 126 PLF at 14.67
TC - From 60 PLF at 14.67 to 60 PLF at 17.67
BC - From 4 PLF at 1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 7.00
BC - From 44 PLF at 7.00 to 44 PLF at 14.67
BC - From 20 PLF at 14.67 to 20 PLF at 17.67
BC - 481 LB Conc. Load at 7.00
BC - 269 LB Conc. Load at 14.67

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

Right end vertical not exposed to wind pressure.

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



17'-8-0 Over 2 Supports
R=1431 U=425 W=3.5"
R=1512 U=445 W=3.5"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.0

FL / - / 3 / - / R / -

Scale = .375" / Ft.

TC LL	20.0 PSF	REF	R487 - -	3242
TC DL	10.0 PSF	DATE	08/31/05	
BC DL	10.0 PSF	DRW	HCUSR487	05243001
BC LL	0.0 PSF	HC-ENG	TCE/AF	
TOT. LD.	40.0 PSF	SEQN	-	26599
DUR. FAC.	1.25	FROM	JP	
SPACING	SEE ABOVE	JREF	-	1SQ2487_Z05



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND METAL FABRICATORS ASSOCIATION (MFA) (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 COMPLIANCE WITH THE SPECIFICATIONS AND APPLICABLE PROVISIONS OF ANY NATIONAL DESIGN SPEC. BY AEPAS) AND TPI. CONNECTOR PLATES ARE MADE OF 2018/1866A (A-H/S/2X) 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. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



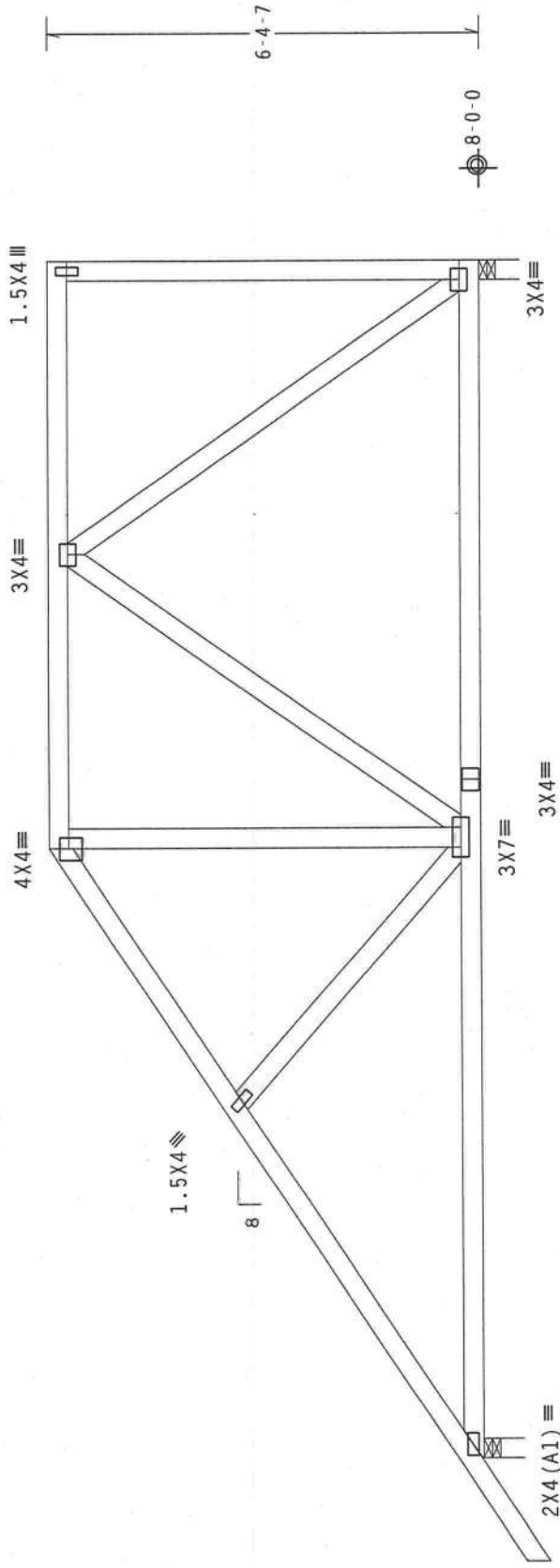
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

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

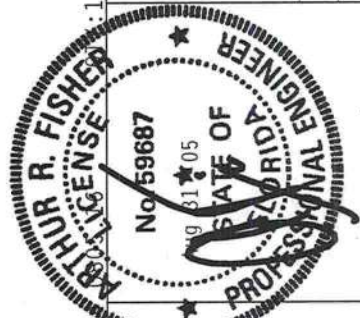
Deflection meets L/360 live and L/240 total load.

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

Right end vertical not exposed to wind pressure.



17-8-0 Over 2 Supports
R=689 U=180 W=3.5"
R=820 U=180 W=3.5"



PLT TYP. Wave TPI	Design Crit: TPI-1995 (STD)/FBC		7.0	FL/-/3/-/-/R/-	Scale = .375"/Ft.					
 Alpine Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844 © Certificate of Authorization # 567	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 O'DONOHIO DR., SUITE 200, MADISON, WI 53719) AND WIGA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.				TC LL	20.0	PSF	REF	R487 --	3243
					TC DL	10.0	PSF	DATE	08/31/05	
					BC DL	10.0	PSF	DRW	HCUSR487	05243005
	IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AREA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/5/2) ASTM A653 GRADE 40/60 (M, K/H/5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER 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.				BC LL	0.0	PSF	HC-ENG	TCE/AF	*
					TOT.LD.	40.0	PSF	SEQN	26548	
					DUR.FAC.	1.25		FROM	JP	
					SPACING	24.0"		JREF	1SQ2487_Z05	

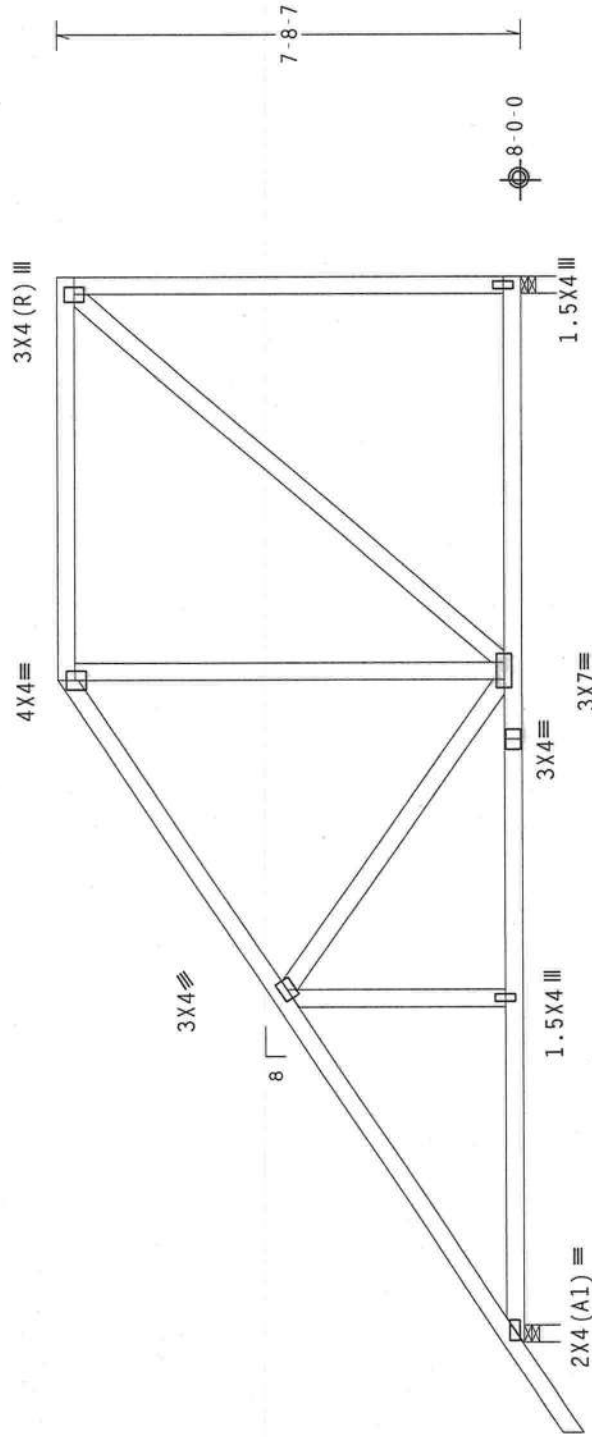
ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

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

110 mph wind, 11.54 ft mean hgt., ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

Right end vertical not exposed to wind pressure.



1-6-07

11-0-0

6-8-0

—17-8-0 Over 2 Supports

R=820 U=180 W=3.5"

R=689 U=201 W=3.5"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

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

Scale = .3125" / Ft.

****WARNING**** TROUSSES REQUIRE EXTREME CARE IN FABRICATION AND INSTALLATION. TOP CHORD MUST BE PROPERLY HANDLED TO PREVENT DAMAGE TO THE TROUSSER PANELS. SEE DRAWING B8-1 FOR TROUSSER PANEL DETAIL. THIS PUBLISHED BY TPI TROUSSER PANEL INSTITUTE, 503 MADISON ST., SUITE 200, MADISON, WI 53719, AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

PRODUCTSTURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERING, INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP12 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH ADEQUATE PROVISIONS (NOTED ON THIS DESIGN) FOR THE FOLLOWING: 1. APPLIED LOADS TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER SECTIONS 160A-2.1 PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER SECTIONS 160A-2.1. APPLICATION OF TRUSS COMPONENTS SHALL BE IN ACCORDANCE WITH TP12-2002 SEC. 3-1. DRAWING INDICATES ADEQUATE PROFESSIONAL ENGINEERING RESPONSIBILITY, SOLELY FOR THE TRUSS COMPONENTS. THIS CONTRACT IS FOR BUILDING TP12 SEC. 3-1 OF THIS CONTRACT FOR ANY BUILDING TP12 SEC. 3-1. BUILDING DESIGNER (PER ANSHP/TP12) SEC. 3-1.



ALPINE

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

FL Certificate of Authorization # 567

2 COMPLETE TRUSSES REQUIRED

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

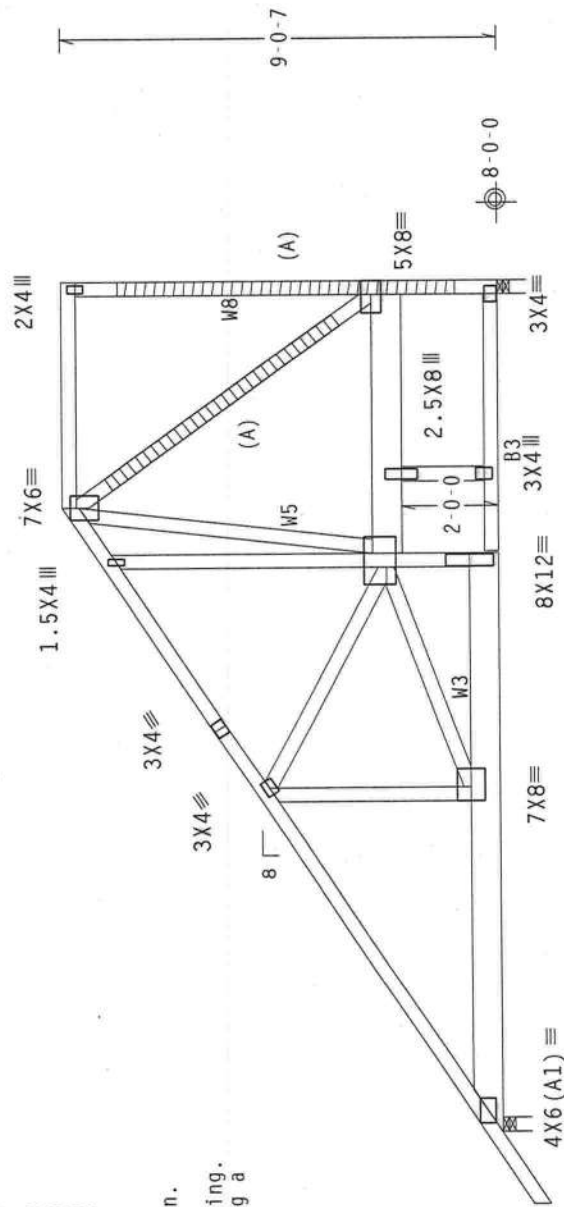
Top Chord: 1 Row @12.00" o.c.

Bot Chord: 1 Row @ 2.75" o.c.
Webs : 1 Row @ 4" o.c.

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

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.



[1-6-0]

13-0-0
 12-0-0
 17-8-0 Over 2 Supports

4-8-0
 5-4-8
 0-3-8

R=5543 U=1631 W=3.5"

Scale = .25"/Ft.

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

00516ENSE

70

Decision Crit.: TPI-1095(STD)/ERC

PIT TYP. Wave TPI

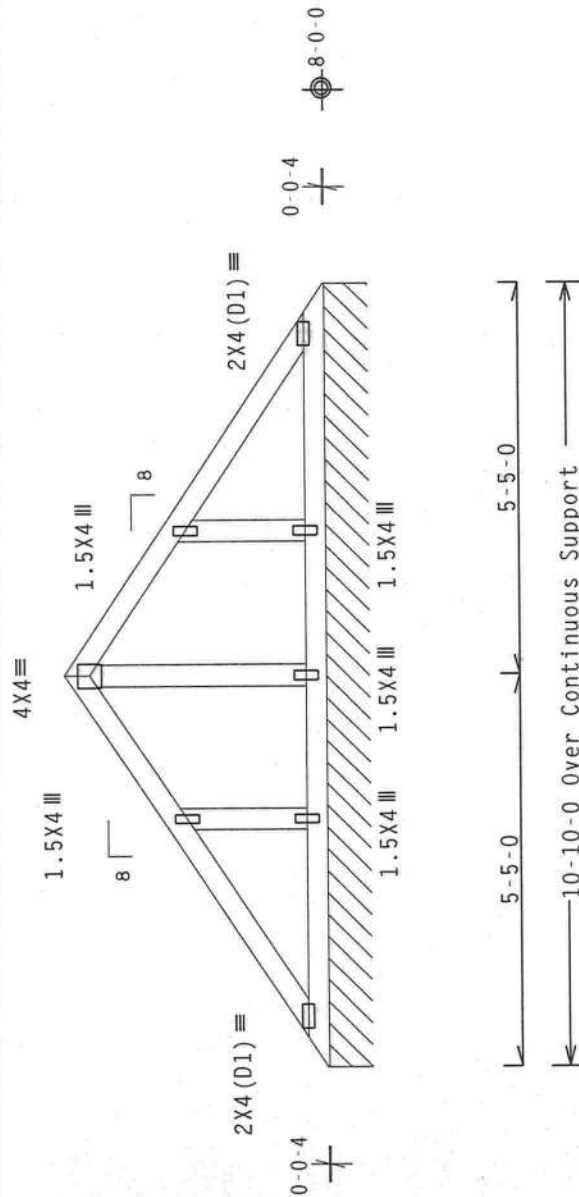
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. CONSULT THE TRUSS MANUFACTURER'S INSTRUCTIONS FOR PROPER CONSTRUCTION. THIS INFORMATION IS NOT A SUBSTITUTE FOR THE TRUSS MANUFACTURER'S INSTRUCTIONS. TRUSSES ARE TO BE USED ONLY AS SPECIFIED BY THE TRUSS MANUFACTURER. TRUSSES OF OTHER TYPES OR DESIGNS MAY BE AVAILABLE FROM OTHER TRUSS MANUFACTURERS. TRUSSES OF OTHER TYPES OR DESIGNS MAY BE AVAILABLE FROM OTHER TRUSS MANUFACTURERS.

****IMPORTANT:**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE ENGINEERED TRUSS COMPANY, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. TRUSS IN CONFORMANCE WITH TPI-1. PROVIDE PROVISIONS OF THIS DRAWING TO ALL SUBMITTALS AND SPECIFICATIONS WITH APPLICABLE PROVISIONS OF THIS DRAWING. PROVIDE ONE SET OF THIS DRAWING TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. PLANTS TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. IF AN INSPECTION OF PLATES FOLLOWED BY IT SHALL BE PER ANNEX A3 OF TPI-1:2002 SEC. 3.

***PREPARING INDICATE:** ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE DESIGN AND USE OF THIS DESIGN COMPART FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGN SHOWN. THEREFORE, THE USER OF THIS DESIGN SHALL BE RESPONSIBLE FOR THE CORRECTNESS OF THE DESIGN SHOWN. THEREFORE, THE USER OF THIS DESIGN SHALL BE RESPONSIBLE FOR THE CORRECTNESS OF THE DESIGN SHOWN.

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

FL. Certificate of Authorization # 567



MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

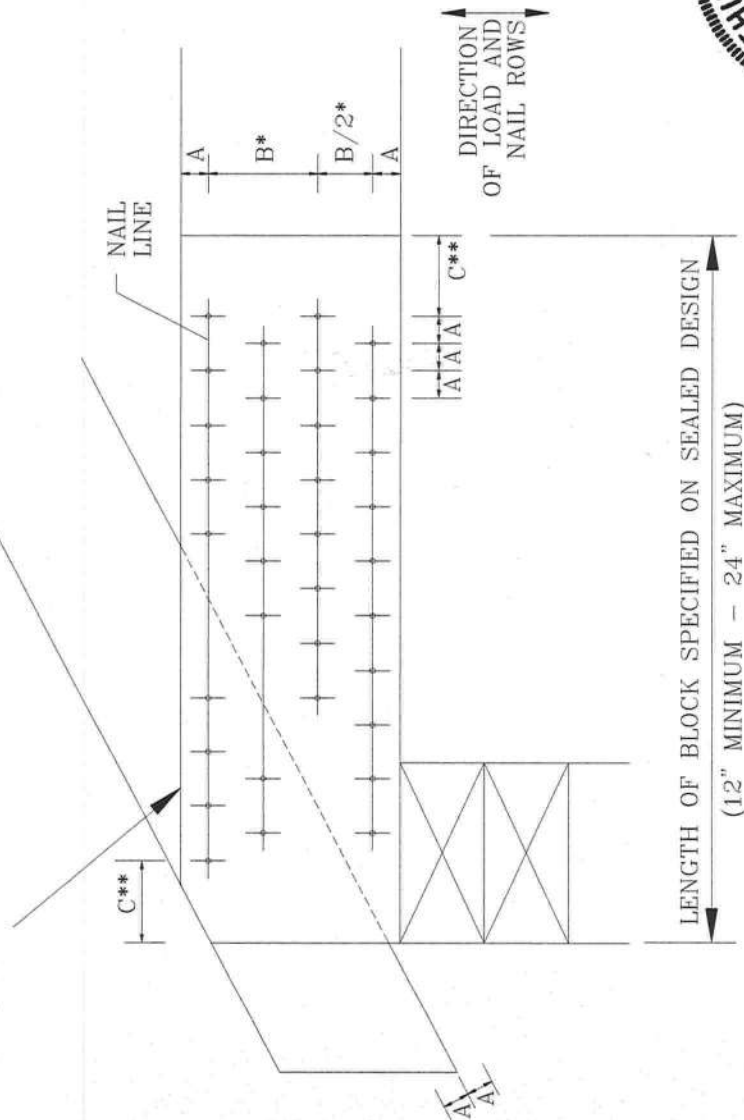
MINIMUM SPACING FOR SINGLE BEARING BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

- 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.

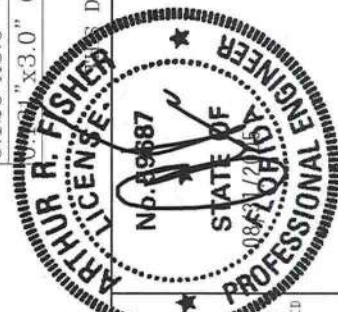


MINIMUM NAIL SPACING DISTANCES

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"
0.120"X3.0" x3.0" GUN	7/8"	1 5/8"	2"

DRAWING REPLACES DRAWING B139 AND CNBRGBLK0699

REF	BEARING BLOCK
DATE	11/26/03
DRWG	CNBRGblk1103
-ENG	SJP/KAR



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND ERECTING. THE BUILDING COMPONENTS ARE HEAVY AND MUST BE PROPERLY SUPPORTED TO PREVENT CRACKS OR BUCKLING. THE FOLLOWING INFORMATION IS FOR THE USER'S INFORMATION ONLY. THE USER SHALL BE RESPONSIBLE FOR PERFORMING ALL FABRICATING, HANDLING, SHIPPING, INSTALLING AND ERECTING OPERATIONS IN ACCORDANCE WITH THE FOLLOWING INFORMATION. THE USER SHALL HAVE PROPERLY ATTACHED THE TRUSS TO THE STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID JOINT.

***IMPORTANT:** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR AND ALPINE ENGINEERED PRODUCTS INC. SHALL NOT BE RESPONSIBLE FOR THE DESIGN FROM THIS SPECIFICATION. THE BUILDER WILL BUILD THE TRUSSES IN CONFORMANCE WITH TPI'S NATIONAL DESIGN & MANUFACTURING OF TRUSSES. IN CONNECTION WITH TPI, BY APPLICABLE PROVISIONS OF NSF INTERNATIONAL SPECIFICATIONS FOR FABRICATING TRUSSES. ALPINE CONNECTORS MADE OF 20/18/16GA W/A/S/K ASTM A653 GRADE 40/40/60 GALV./K.H.S. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED IN THIS DESIGN, POSITION PER DRAWINGS 160N-2. ANY INSPECTION OF PLATES FOLLOWED BY CD SHALL BE THE RESPONSIBILITY OF THE CLIENT. THE PROFESSIONAL ENGINEERING RESPONSIBILITY SHALL REMAIN WITH THE PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPANIES. HOWEVER, THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING OWNER. PER ANSI/TPI 1 SEC. 2



ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

CLB WEB BRACE SUBSTITUTION

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

NOTES:

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

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

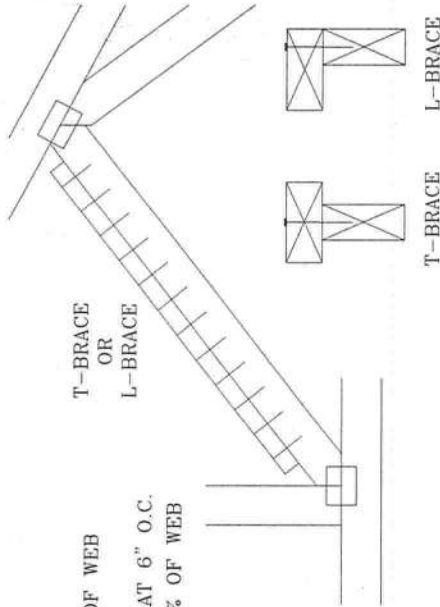
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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

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

T-BRACING OR L-BRACING:

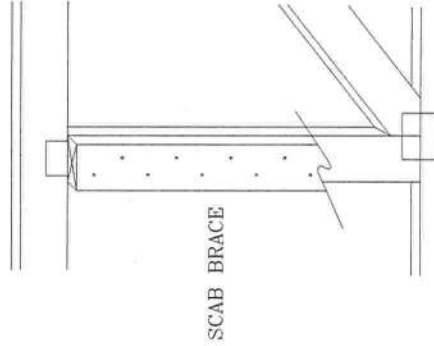
APPLY TO EITHER SIDE OF WEB
NARROW FACE
ATTACH WITH 16d NAILS AT 6" O.C.
BRACE IS A MINIMUM 80% OF WEB
MEMBER LENGTH



T-BRACE 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

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			



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 DUNFORD DR., SUITE 200, MADISON, WI 53719) AND VTCA (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.

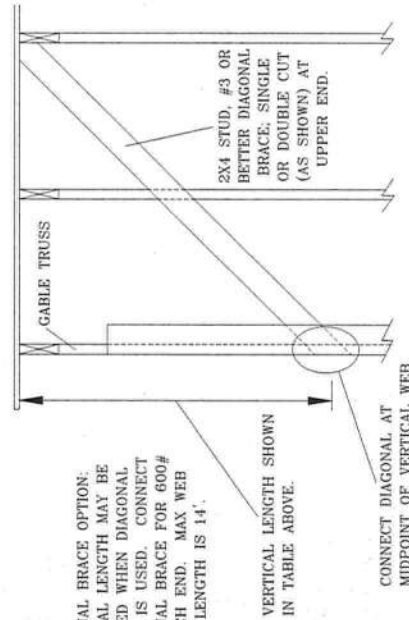
****IMPORTANT**** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA 4V/H/5/A3 ASTM A653 GRADE 40/60 (4V/H/5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE THE RESPONSIBILITY OF THE INSPECTOR. THE PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN, SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



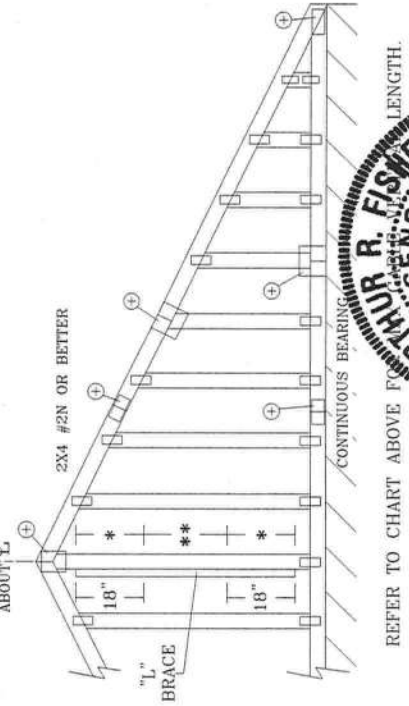
ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

MAX GABLE VERTICAL LENGTH																				
2x4 GABLE VERTICAL SPACING		BRACE		NO BRACES	(1) 1x4 "L" BRACE *				(1) 2x4 "L" BRACE *				(2) 2x4 "L" BRACE **				(1) 2x6 "L" BRACE *		2x6 "L" BRACE *	
		SPECIES	GRADE		GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B				
12" O.C.	SPF	#1 / #2	3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 5"	9' 8"	12' 5"	12' 9"	14' 0"	14' 0"	GROUP A	GROUP B	14' 0"	14' 0"		
		#3	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"							
	HF	STUD	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	9' 5"	12' 3"	12' 3"	14' 0"	14' 0"	GROUP A	GROUP B	14' 0"	14' 0"		
		STANDARD	3' 9"	5' 2"	5' 2"	6' 9"	6' 9"	9' 1"	9' 1"	10' 7"	10' 7"	14' 0"	14' 0"							
	SP	#1	4' 3"	6' 8"	7' 2"	7' 11"	8' 6"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"	GROUP A	GROUP B	14' 0"	14' 0"		
		#2	4' 2"	6' 8"	7' 2"	7' 11"	8' 6"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"						
24" O.C.	DFL	#3	4' 0"	6' 2"	6' 2"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 8"	14' 0"	14' 0"	GROUP A	GROUP B	14' 0"	14' 0"			
		STUD	4' 0"	6' 1"	6' 1"	7' 11"	8' 0"	8' 0"	9' 5"	9' 11"	12' 5"	12' 6"	14' 0"					14' 0"		
	STANDARD	3' 10"	5' 3"	5' 3"	6' 11"	6' 11"	9' 4"	9' 4"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	GROUP A	GROUP B	14' 0"	14' 0"			
		4' 5"	7' 8"	7' 10"	9' 1"	9' 4"	10' 10"	11' 1"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"							
	SPF	#1 / #2	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	GROUP A	GROUP B	14' 0"	14' 0"		
		#3	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"							
16" O.C.	HF	STUD	4' 4"	6' 4"	6' 4"	8' 4"	8' 4"	10' 10"	10' 10"	12' 11"	12' 11"	14' 0"	14' 0"	GROUP A	GROUP B	14' 0"	14' 0"			
		STANDARD	4' 4"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"							
	SP	#1	4' 10"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"	GROUP A	GROUP B	14' 0"	14' 0"			
		#2	4' 9"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"							
	DFL	#3	4' 6"	7' 7"	7' 7"	9' 1"	9' 6"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"	GROUP A	GROUP B	14' 0"	14' 0"		
		STUD	4' 6"	7' 6"	7' 6"	9' 1"	9' 6"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"							
12" O.C.	STANDARD	4' 5"	6' 5"	6' 5"	8' 6"	8' 6"	10' 10"	11' 1"	13' 3"	13' 3"	14' 0"	14' 0"	14' 0"	GROUP A	GROUP B	14' 0"	14' 0"			
		4' 11"	8' 5"	8' 8"	10' 0"	10' 3"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"								
	SPF	#1 / #2	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"	GROUP A	GROUP B	14' 0"	14' 0"			
		#3	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"							
	HF	STUD	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	GROUP A	GROUP B	14' 0"	14' 0"		
		STANDARD	4' 9"	7' 3"	7' 3"	9' 7"	9' 7"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"							
12" O.C.	SP	#1	5' 4"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"	GROUP A	GROUP B	14' 0"	14' 0"			
		#2	5' 3"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"							
	DFL	#3	5' 0"	8' 5"	8' 5"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"	GROUP A	GROUP B	14' 0"	14' 0"			
		STUD	5' 0"	8' 5"	8' 7"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"							
STANDARD	4' 11"	7' 5"	7' 5"	9' 10"	9' 10"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"							

DIAGONAL BRACE OPTION:
VERTICAL LENGTH MAY BE
DOUBLED WHEN DIAGONAL
BRACE IS USED. CONNECT
DIAGONAL BRACE FOR 600
AT EACH END. MAX WEB
TOTAL LENGTH IS 14'.



CONNECT DIAGONAL AT
MIDPOINT OF VERTICAL. WEB



REFER TO CHART ABOVE FOR CABLE LENGTH.

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

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

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

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

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

GABLE END SUPPORTS LOAD FROM 4' 0"

OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG

ATTACH EACH "L" BRACE WITH 10d NAILS.

* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 10" END ZONE AND 4" O.C. REMAINING ZONE

*** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.

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

REF	ASCE7-98-GABI1015
DATE	11/26/03
DRWG	A11015EC1103
-ENG	

MAX. TOT. LD. 60 PSF

MAX. SPACING	24.0"
MAX. SPACING	24.0"

[illegible]

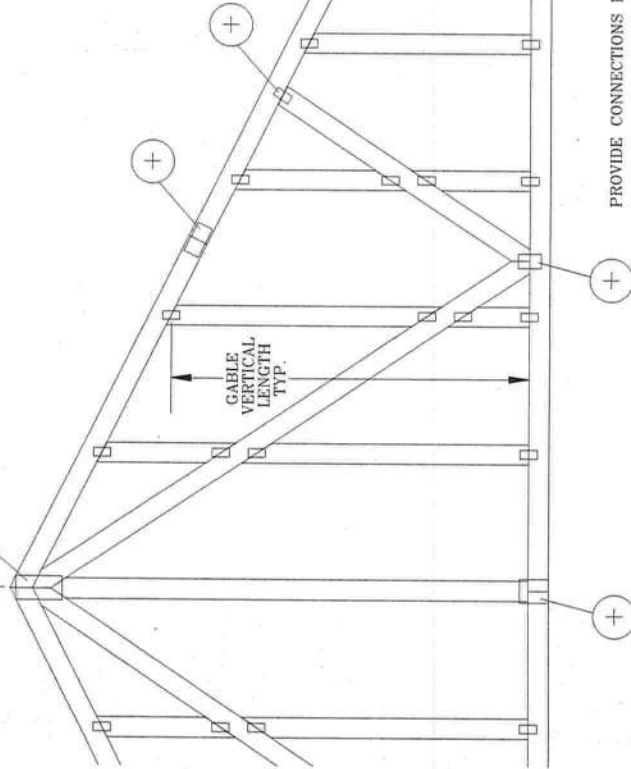
***IMPORTANT** FURNISH COPY OF THIS DESIGN INSTALLATION CONTRACT. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO FOLLOW THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE USER. THIS DESIGN MEANS DESIGN SPEC BRACING OF TRUSSES. THIS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC BY A542 AND TEE ALPINE CONNECTOR PLATES ARE MADE OF 2010A/16GA 40K/HS/30 ASTM A563 GRADE 40/460 (40 K/HS) 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 GIP SHALL BE THE RESPONSIBILITY OF THE USER. THE USER SHALL BE RESPONSIBLE FOR THE DESIGN, THE FEASIBILITY AND USE OF THIS CONTRACT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING



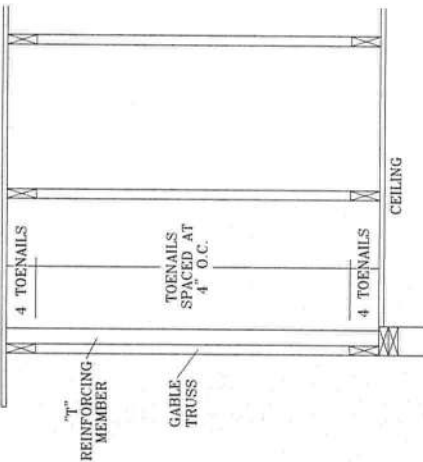
ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

GABLE DETAIL FOR LET-IN VERTICALS

SYM. C.
ABOUT C.



RIGID SHEATHING



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH

HAND DRIVEN NAILS:

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

GUN DRIVEN NAILS - 0.131" X 3"

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

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

ASCE 7-93 GABLE DETAIL DRAWINGS

A11015EN1103, A10015EN1103, A09015EN1103, A08015EN1103, A07015EN1103

A11030EN1103, A10030EN1103, A09030EN1103, A08030EN1103, A07030EN1103

ASCE 7-98 GABLE DETAIL DRAWINGS

A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A09015EC1103

A13030EC1103, A12030EC1103, A11030EC1103, A10030EC1103, A09030EC1103

SBCCI GABLE DETAIL DRAWINGS

S11015EN1103, S10015EN1103, S09015EN1103, S08015EN1103, S07015EN1103

S11030EN1103, S10030EN1103, S09030EN1103, S08030EN1103, S07030EN1103

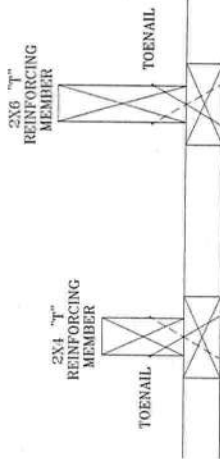
SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCCI WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.

GABLE VERTICAL PLATE SIZES

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

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

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



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

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

WEB LENGTH INCREASE W/ "T" BRACE

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

EXAMPLE:

ASCE WIND SPEED = 100 MPH

MEAN ROOF HEIGHT = 30 FT

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

"T" REINFORCING MEMBER SIZE = 2X4

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

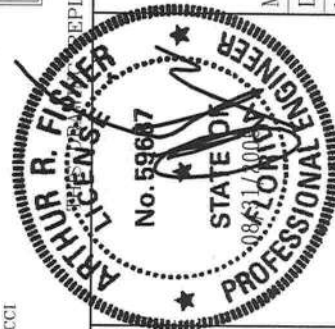
(1) 2X4 "L" BRACE LENGTH = 6' 7"

MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH

1.10 x 6' 7" = 7' 3"

REPLACES DRAWINGS GAB98117 876,719 & HC26294035

REF	LET-IN VERT
DATE	01/16/04
DRWG	GBLETTIN1103
-ENG	DLJ/KAR
MAX TOT. LD.	60 PSF
DUR. FAC.	ANY
MAX SPACING	24.0"



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 "BUILDING COMPONENTS" AND BCST 1-04 "TRUSS DESIGN" BY THE ALPINE INSTITUTE, 583 DUNDREID DR., SUITE 200, MADISON, WI 53719, AND VICTOR TRUSS CO., 11111 W. 15TH AVE., SUITE 100, MINNEAPOLIS, MN 55440, 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. IS NOT RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN, OR ANY FAILURE TO BRACE THE TRUSS. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE INTERNATIONAL DESIGN SPEC, BY AF&PA, AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 60/18/16GA (W/H/S) ASTM A573 GRADE, 40/60 (W/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 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SEALING 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

COLUMBIA COUNTY OFFICE OF CIVIL ENGINEERING

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-16-02275-110

Building permit No. 000023687

Use Classification SFD/UTILITY

Fire: 35.52

Permit Holder ISAAC BRATKOVICH

Waste: 73.50

Owner of Building ISAAC CONSTRUCTION

Total: 109.02

Location: 489 NW BRIDGEWATER TERR(COBBLESTONE, LOT 10)

Date: 04/10/2006



Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)