

Notice of Treatment

#11794

Applicator Florida Pest Control & Chemical Co.

Address 526 SE Baya Dr.

City Lake City Fl. **Phone** 752-1703

Site Location Subdivision

Lot# Block# **Permit#** 23701

Address 997 SW Tray Rd

AREAS TREATED

Area Treated	Date	Time	Gal.	Print Technician's Name
Main Body	2-1-06	12:50	4%	F082
Patio/s #				
Stoop/s #				
Porch/s #				
Brick Veneer				
Extension Walls				
A/C Pad				
Walk/s #				
Exterior of Foundation				
Driveway Apron				
Out Building				
Tub Trap/s				
(Other)				

Name of Product Applied Baracore 23 %

Remarks incomplete

DATE10/11/2005

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT000023701

APPLICANTSTEPHEN MORGAN

PHONE752-2832

ADDRESS615SW SABRE AVE

LAKE CITYFL32024

OWNERTHEODORE & CATHERINE BRYAN

PHONE719-8849

ADDRESS997SW TROY STREET

LAKE CITYFL32024

CONTRACTORFREDRICK PERRY

PHONE752-2832

LOCATION OF PROPERTY

257S, TR ON TROY ST, 3RD LOT ON RIGHT BEFORE RUSSWOOD TERR.

TYPE DEVELOPMENT

SFD,UTILIT

ESTIMATED COST OF CONSTRUCTION

114950.00

HEATED FLOOR AREA

2299.00

TOTAL AREA

4664.00

HEIGHT

.00

STORIES

1

FOUNDATION

CONC

WALLS

FRAMED

ROOF PITCH

6/12

FLOOR

SLAB

LAND USE & ZONING

RSF-2

MAX. HEIGHT

22

Minimum Set Back Requirments:

STREET-FRONT

25.00

REAR

15.00

SIDE

10.00

NO. EX.D.U.

0

FLOOD ZONE

X

DEVELOPMENT PERMIT NO.

PARCEL ID

10-4S-16-02853-106

SUBDIVISION

RUSSWOOD ESTATES

LOT

6

BLOCK

PHASE

UNIT

TOTAL ACRES

000000839

CBC1252411

Culvert Permit No.

Culvert Waiver

Contractor's License Number

Applicant/Owner/Contractor

WAIVER

05-0827-N

BK

JH

Y

Driveway Connection

Septic Tank Number

LU & Zoning checked by

Approved for Issuance

New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash823

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 \$

575.00

CERTIFICATION FEE \$

23.32

SURCHARGE FEE \$

23.32

MISC. FEES \$

.00

ZONING CERT. FEE \$

50.00

FIRE FEE \$

.00

WASTE FEE \$

FLOOD DEVELOPMENT FEE \$

FLOOD ZONE FEE \$

25.00

CULVERT FEE \$

TOTAL FEE

696.64

INSPECTORS OFFICE

CLERKS OFFICE

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

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

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR 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.



23701

CAL-TECH TESTING, INC.ENGINEERING & TESTING
LABORATORY

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

1655 Acme Street • Orlando, FL 32805
PH (407) 872-7690 • FAX (407) 872-76596919 Distribution Avenue S., Unit #5
Jacksonville, FL 32257
(904) 262-4046 • FAX (904) 262-4047**REPORT OF DAILY CONSTRUCTION TESTING AND MONITORING**Client TED & Cathy Bryant
Project BRYAN RESIDENCE
Contractor SAC.Date 11/25/05
Job. No. 05-616
Technician R. EDWARDS**WORK ORDER:**☒ DENSITYSpec's: 95%
Test No.: 1A-2A
Inches: _____☐ CONCRETE☐ Cylinders
☐ Beams
☐ Prisms
☐ Pick-Up

Set No. _____

☐ Pick-Up Proctor☐ Pick-Up LBR**DESCRIPTION OF DAYS ACTIVITIES:**

DEPARTED LAKE CITY OFFICE
ENROUTE TO BRYAN RES., UPON
ARRIVAL I CONDUCTED INPLACE
DENSITY TEST ON FORTERS. ALL
TEST MET OR EXCEEDED SPECS.

Time Out: _____

Time In: _____

FDT's Performed 2

Cyls Cast/Cal-Tech _____

Cyls Cast/Client _____

Beams Cast/Cal-Tech: _____

Weather: ClearHours Worked: 2.5

Other Tests: _____

Hours Travel: .25

Miles Travel: _____

Hours Standby: _____

Hours O.T.: _____

FIELD REPRESENTATIVE

CLIENT REPRESENTATIVE

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0508-35 Date Received 8/8/05 By JW Permit # 839/23701
Application Approved by - Zoning Official BK Date 26.09.05 Plans Examiner DK JTH Date 8-16-05
Flood Zone X Development Permit N/A Zoning RSF-2 Land Use Plan Map Category Res Low Den.
Comments Encl. 1 & 2 Signed With Plan SEE PLAN FOR SITE PLAN JTH

Applicants Name FREDRICK PERRY Stephen Morgan Phone (386) 752-2832
Address 615 SW SABRE AVE, LAKE CITY, FL 32024
Owners Name THEODORE A. AND CATHERINE H. BRYAN Phone (386) 719-8849
911 Address 997 SW TRY STREET LAKE CITY, FL 32024
Contractors Name FREDRICK PERRY Phone (386) 752-2832
Address 615 SW SABRE AVE, LAKE CITY, FL 32024
Fee Simple Owner Name & Address NA
Bonding Co. Name & Address NA
Architect/Engineer Name & Address MARK DISWAY P.O. BOX 868 LAKE CITY, FL 32056
Mortgage Lenders Name & Address NA

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

Property ID Number 10-45-16-02853-106 Estimated Cost of Construction 200,000.00

Subdivision Name RUSSWOOD ESTATES Lot 6 Block Unit Phase 1

Driving Directions S ON 252B (CALLAHAN RD) TO SW TRY ST. TR ON TRY ST.
TO RUSSWOOD SO FIRST LOT ON RIGHT BEFORE ENTRANCE
2475, TR TLOY ST, 3 lots on right before Russwood TERR.

Type of Construction FRAME Number of Existing Dwellings on Property 0

Total Acreage 1.11 Lot Size 167' x 290' Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 140' Side 30' 35" Side 45' 40" Rear 100'

Total Building Height 22' Number of Stories 1 Heated Floor Area 2299 Roof Pitch 6/12

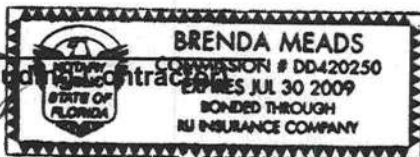
PORCHES 342 GARAGES 2032 TOTAL 4664

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.

Fredrick L. Perry
Owner Builder or Agent (Including Contractor)
STATE OF FLORIDA
COUNTY OF COLUMBIA



Fredrick L. Perry
Contractor Signature
Contractors License Number CBCL252411
Competency Card Number
NOTARY STAMP/SEAL

Sworn to (or affirmed) and subscribed before me
this 5 day of August 2005.
Personally known or Produced Identification

Brenda Meads
Notary Signature

COLUMBIA COUNTY 9-1-1 ADDRESSING

263 NW Lake City Ave. * P. O. Box 1787 * Lake City, FL 32056-1787
PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE ISSUED: July 14, 2005

ENHANCED 9-1-1 ADDRESS:

997 SW TROY ST (LAKE CITY, FL 32024)

Addressed Location 911 Phone Number: NOT AVAIL.

OCCUPANT NAME: NOT AVAIL.

OCCUPANT CURRENT MAILING ADDRESS: _____

PROPERTY APPRAISER MAP SHEET NUMBER: 45D

PROPERTY APPRAISER PARCEL NUMBER: 10-4S-16-02853-106

Other Contact Phone Number (If any): _____

Building Permit Number (If known): _____

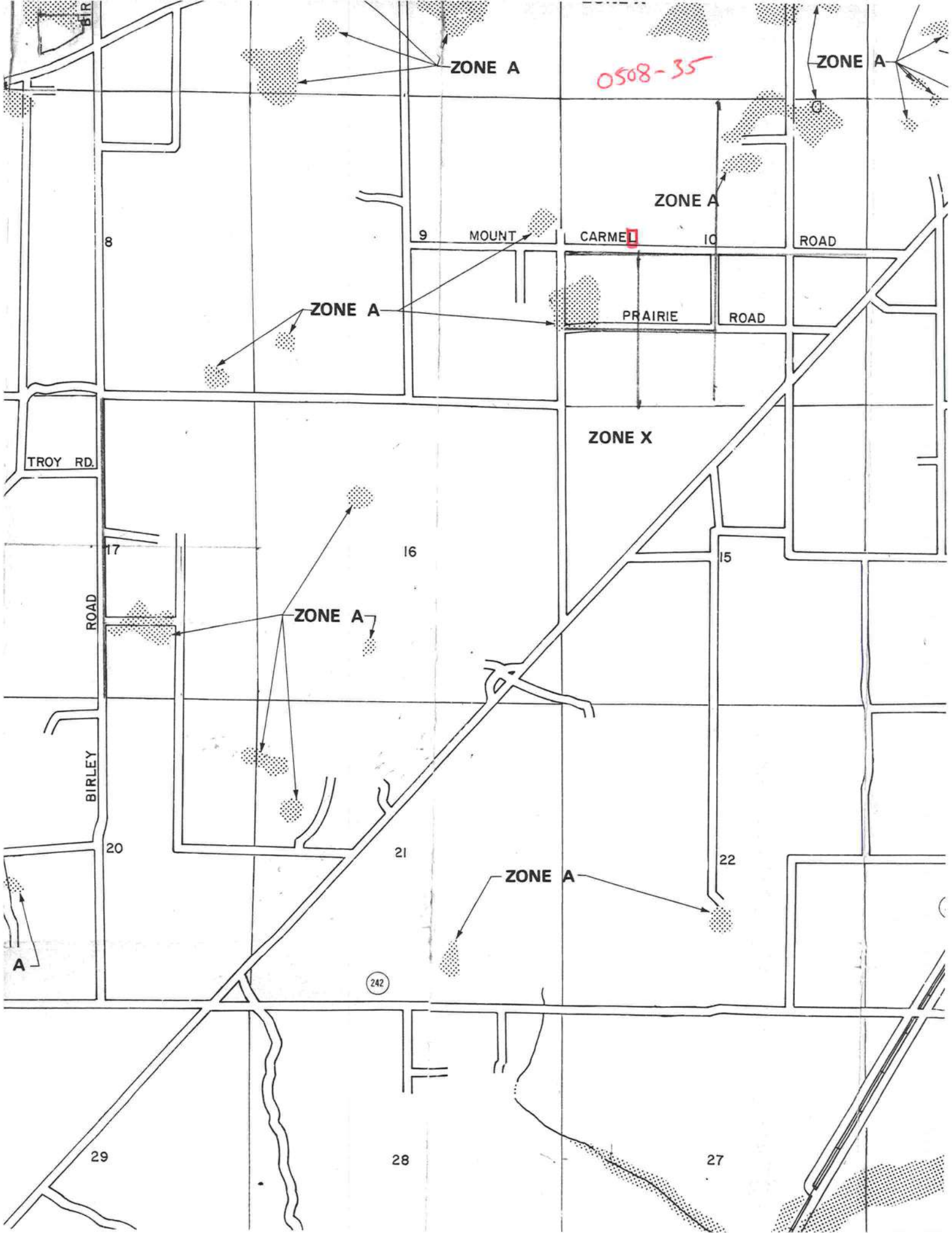
Remarks: LOT 6 RUSSWOOD ESTATES UNIT 1 S/D

Address Issued By: _____

Columbia County 9-1-1 Addressing / GIS Department

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

COLUMBIA COUNTY
9-1-1 ADDRESSING
APPROVED



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.

Tax Parcel ID Number 10-45-16-02853-106

1. Description of property: (legal description of the property and street address or 911 address)
LOT 6 RUSSWOOD ESTATES UNIT 1 WD 1018-354
997 SW TROY STREET
LAKE CITY, FL 32024
2. General description of improvement: NEW HOME
3. Owner Name & Address THEODORE A. AND CATHERINE H. BRYAN
185 SW TRUFFLES GLEN, LAKE CITY Interest in Property OWNERS
4. Name & Address of Fee Simple Owner (if other than owner):
N/A
5. Contractor Name FREDRICK PERRY Phone Number (386) 752-2832
Address 615 SW SABRE AVE LAKE CITY, FL 32024
6. Surety Holders Name NONE Phone Number _____
Address _____
Amount of Bond _____ Inst:2005018878 Date:08/05/2005 Time:14:37
7. Lender Name NONE KLR DC, P. DeWitt Cason, Columbia County B:1054 P:584
Address _____
8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:
Name N/A Phone Number _____
Address _____
9. In addition to himself/herself the owner designates N/A of _____
to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -
(a) 7. Phone Number of the designee N/A
10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified) _____

NOTICE AS PER CHAPTER 713, Florida Statutes:

The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

Catherine H. Bryan
Signature of Owner

Sworn to (or affirmed) and subscribed before
day of 4, August, 2005

NOTARY STAMP/SEAL

GEETHA N. MURTHY
NOTARY PUBLIC - STATE OF FLORIDA
COMMISSION # DD122132
EXPIRES 07/06/2006
BONDED THRU 1-888-NOTARY1

[Signature]
Signature of Notary

Prepared by and return to:
Mickie Salter

Home Town Title of North Florida
2744 US Highway 90 West
Lake City, FL 32055
386-754-7175
File Number: 2005-886
Will Call No.:

Inst: 2005008870 Date: 04/18/2005 Time: 12:58
Doc Stamp-Deed : 182.00
mk DC, P. Dewitt Cason, Columbia County B: 1043 P: 1779

[Space Above This Line For Recording Data]

Warranty Deed

This Warranty Deed made this 11th day of April, 2005 between Doyle D. Glass, Jr. and Jennifer T. Glass, husband and wife whose post office address is 801 South Main Street, Apt. 99, Mount Holly, NC 28120, grantor, and Theodore A. Bryan and Catherine H. Bryan, husband and wife whose post office address is 185 S.W. Truffles Glen, Lake City, FL 32025, 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 AND NO/100 DOLLARS (\$10.00) and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained, and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in **Columbia County, Florida** to-wit:

Lot 6 of RUSSWOOD ESTATES UNIT 1, a subdivision, according to the Plat thereof as recorded in Plat Book 6, Page(s) 70, of the Public Records of Columbia County, Florida.

Parcel Identification Number: R02853-106

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 the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to **December 31, 2004**.

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

RON E. BIAS WELL DRILLING

Route 2, Box 5340
Ft. White, Florida 32038
(904) 497-1845
Mobile: 364-9233

No. _____

Date _____

Name _____

Address _____

Phone _____

Dia. DESCRIPTION
4" Deep well down to 100 ft.
Constant Pressure System
- 1" Hp. Sub pump. 80# Yellow tank
345'eters - 35 gallon draw down
1/4" Deep system check valve.
7 back Flow Prevention
20 gallon P.W. system
(Sewer Permit)

Total _____

Deposit _____

Balance _____

Thanks

Date Wanted _____

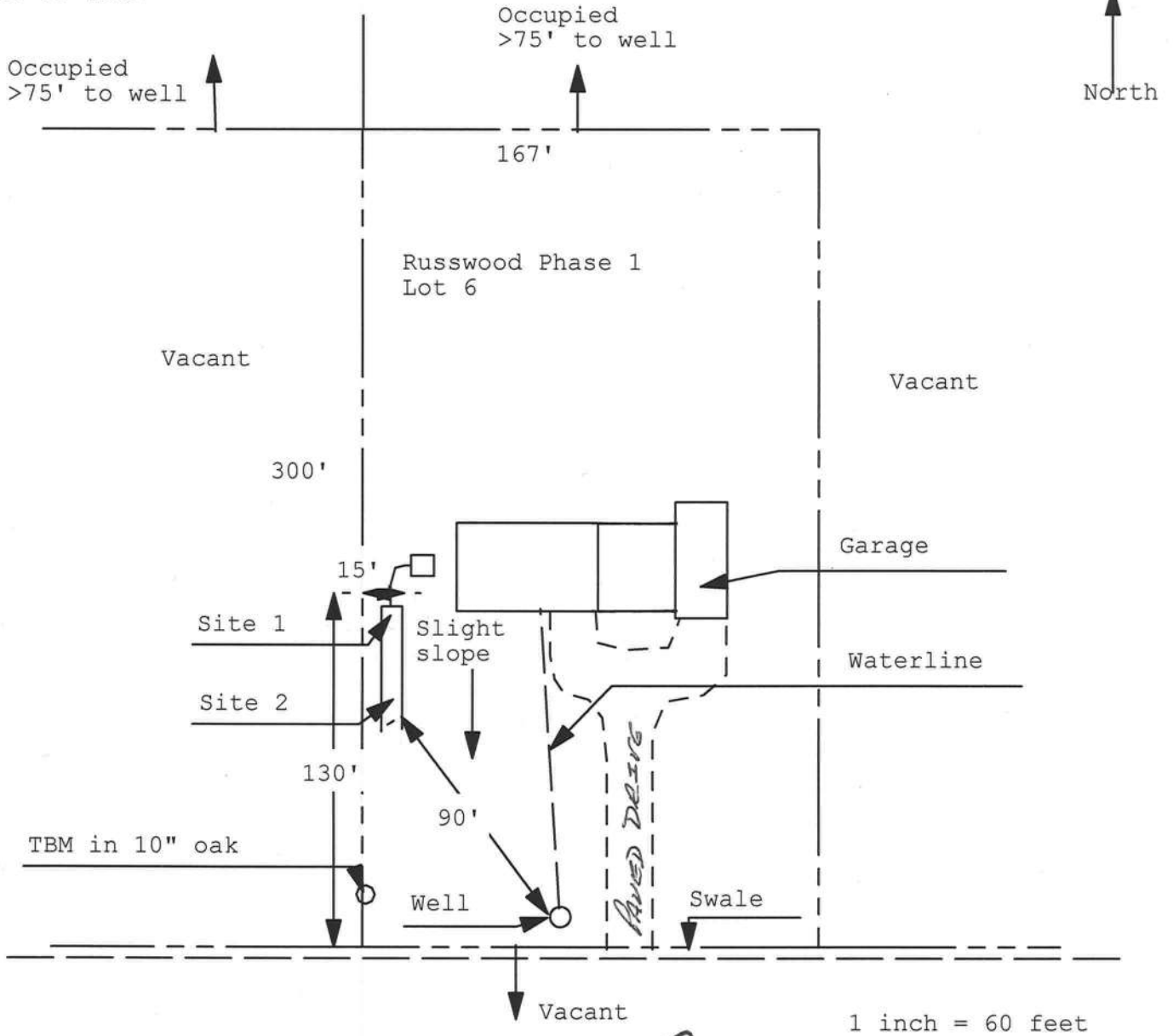
Authorized By R. E. Bias

Received By _____

Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan
Permit Application Number: 05-0827N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

BRYAN/CR 05-2961



Site Plan Submitted By Paul Lopez Date 7/20/05
Plan Approved ✓ Not Approved _____ Date 8-12-05

By M. A. L. Columbia CPHU

Notes: _____

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	Ted and Catherine Bryan residence	Builder:	Frederick Perry
Address:	Lot: 6, Sub: Russwood Unit 1, Plat:	Permitting Office:	Columbia Co.
City, State:	Lake City, FL 32055-	Permit Number:	23701
Owner:	Ted & Catherine Bryan	Jurisdiction Number:	221000
Climate Zone:	North		

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	3	___
5. Is this a worst case?	No	___
6. Conditioned floor area (ft ²)	2299 ft ²	___
7. Glass area & type	Single Pane	Double Pane
a. Clear glass, default U-factor	0.0 ft ²	181.0 ft ²
b. Default tint	0.0 ft ²	0.0 ft ²
c. Labeled U or SHGC	0.0 ft ²	0.0 ft ²
8. Floor types		___
a. Slab-On-Grade Edge Insulation	R=0.0, 286.0(p) ft	___
b. N/A		___
c. N/A		___
9. Wall types		___
a. Frame, Wood, Exterior	R=11.0, 2044.0 ft ²	___
b. N/A		___
c. N/A		___
d. N/A		___
e. N/A		___
10. Ceiling types		___
a. Under Attic	R=30.0, 2299.0 ft ²	___
b. N/A		___
c. N/A		___
11. Ducts		___
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 20.0 ft	___
b. N/A		___
12. Cooling systems		___
a. Central Unit	Cap: 35.0 kBtu/hr	___
	SEER: 12.00	___
b. N/A		___
c. N/A		___
13. Heating systems		___
a. Electric Heat Pump	Cap: 35.0 kBtu/hr	___
	HSPF: 7.90	___
b. N/A		___
c. N/A		___
14. Hot water systems		___
a. Electric Resistance	Cap: 30.0 gallons	___
	EF: 0.90	___
b. N/A		___
c. Conservation credits		___
(HR-Heat recovery, Solar		___
DHP-Dedicated heat pump)		___
15. HVAC credits	PT, CF, ___	___
(CF-Ceiling fan, CV-Cross ventilation,		___
HF-Whole house fan,		___
PT-Programmable Thermostat,		___
MZ-C-Multizone cooling,		___
MZ-H-Multizone heating)		___

Glass/Floor Area: 0.08

Total as-built points: 26346

Total base points: 32816

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: Tim Delbene
DATE: 6/30/05

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: 6, Sub: Russwood Unit 1, Plat: , Lake City, FL, 32055-

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	2299.0	20.04	8293.0	Double, Clear	N	2.0	7.0	45.0	19.20	0.92	796.8
				Double, Clear	N	2.0	5.0	9.0	19.20	0.87	150.5
				Double, Clear	N	11.0	7.0	45.0	19.20	0.65	559.8
				Double, Clear	S	2.0	7.0	34.0	35.87	0.82	1000.1
				Double, Clear	S	7.0	7.0	30.0	35.87	0.52	560.1
				Double, Clear	W	2.0	7.0	15.0	38.52	0.89	512.4
				Double, Clear	W	2.0	3.0	3.0	38.52	0.64	73.8
				As-Built Total:				181.0		3653.6	
WALL TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	11.0			2044.0	1.70	3474.8	
Exterior	2044.0	1.70	3474.8								
Base Total:		2044.0	3474.8	As-Built Total:				2044.0	3474.8		
DOOR TYPES Area X BSPM = Points				Type	Area X SPM = Points						
Adjacent	21.0	2.40	50.4	Exterior Insulated				21.0	4.10	86.1	
Exterior	42.0	6.10	256.2	Exterior Insulated				21.0	4.10	86.1	
				Adjacent Insulated				21.0	1.60	33.6	
Base Total:		63.0	306.6	As-Built Total:				63.0	205.8		
CEILING TYPES Area X BSPM = Points				Type	R-Value			Area X SPM X SCM = Points			
Under Attic	2299.0	1.73	3977.3	Under Attic	30.0			2299.0	1.73 X 1.00		3977.3
Base Total:		2299.0	3977.3	As-Built Total:				2299.0	3977.3		
FLOOR TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Slab	286.0(p)	-37.0	-10582.0	Slab-On-Grade Edge Insulation	0.0			286.0(p)	-41.20		-11783.2
Raised	0.0	0.00	0.0								
Base Total:		-10582.0		As-Built Total:				286.0	-11783.2		
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
2299.0 10.21 23472.8				2299.0 10.21 23472.8							

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

ADDRESS: Lot: 6, Sub: Russwood Unit 1, Plat: , Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 28942.4				Summer As-Built Points: 23001.0						
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component	X	Cap Ratio	X Duct Multiplier	X System Multiplier	X Credit Multiplier	= Cooling Points
						(DM x DSM x AHU)				
28942.4		0.4266	12346.8	23001.0	1.000	(1.090 x 1.147 x 1.00)	0.284	0.902		7381.4
				23001.0	1.00	1.250	0.284	0.902		7381.4

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 6, Sub: Russwood Unit 1, Plat: , Lake City, FL, 32055-

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	2299.0	12.74	5272.1	Double, Clear	N	2.0	7.0	45.0	24.58	1.00	1109.7
				Double, Clear	N	2.0	5.0	9.0	24.58	1.01	222.7
				Double, Clear	N	11.0	7.0	45.0	24.58	1.02	1131.6
				Double, Clear	S	2.0	7.0	34.0	13.30	1.17	529.4
				Double, Clear	S	7.0	7.0	30.0	13.30	2.73	1089.7
				Double, Clear	W	2.0	7.0	15.0	20.73	1.03	320.6
				Double, Clear	W	2.0	3.0	3.0	20.73	1.12	69.6
				As-Built Total:				181.0		4473.3	
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior		11.0	2044.0	3.70	7562.8		
Exterior	2044.0	3.70	7562.8								
Base Total:		2044.0	7562.8	As-Built Total:		2044.0		7562.8			
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	21.0	11.50	241.5	Exterior Insulated				21.0	8.40	176.4	
Exterior	42.0	12.30	516.6	Exterior Insulated				21.0	8.40	176.4	
				Adjacent Insulated				21.0	8.00	168.0	
Base Total:		63.0	758.1	As-Built Total:		63.0		520.8			
CEILING TYPESArea X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	2299.0	2.05	4712.9	Under Attic		30.0	2299.0	2.05 X 1.00	4712.9		
Base Total:		2299.0	4712.9	As-Built Total:		2299.0		4712.9			
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	286.0(p)	8.9	2545.4	Slab-On-Grade Edge Insulation		0.0	286.0(p)	18.80	5376.8		
Raised	0.0	0.00	0.0								
Base Total:		2545.4	As-Built Total:	286.0		5376.8					
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
2299.0		-0.59	-1356.4	2299.0		-0.59		-1356.4			

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

ADDRESS: Lot: 6, Sub: Russwood Unit 1, Plat: , Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT						
Winter Base Points:		19494.9		Winter As-Built Points:				21290.2		
Total Winter Points	X	System Multiplier	= Heating Points	Total Component	X	Cap Ratio	X Duct Multiplier	X System Multiplier	X Credit Multiplier	= Heating Points
						(DM x DSM x AHU)				
19494.9		0.6274	12231.1	21290.2	1.000	(1.069 x 1.169 x 1.00)	0.432	0.950	10910.0	
				21290.2	1.00	1.250	0.432	0.950	10910.0	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 6, Sub: Russwood Unit 1, Plat: , Lake City, FL, 32055-

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
3		2746.00	8238.0	30.0	0.90	3	1.00	2684.98	8054.9
				As-Built Total:					8054.9

CODE COMPLIANCE STATUS

BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	Cooling Points	+	Heating Points	+	Hot Water Points = Total Points
12347		12231		8238 32816	7381		10910		8055 26346

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 6, Sub: Russwood Unit 1, Plat: , Lake City, FL, 32055-

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.	N/A
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%.	N/A
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.	✓



Cal-Tech Testing, Inc.

- Engineering
- Geotechnical
- Environmental

P.O. Box 1625 • Lake City, FL 32056-1625
6919 Distribution Avenue S., Unit #5 • Jacksonville, FL 32257

Tel. (386) 755-3633 • Fax (386) 752-5456
Tel. (904) 262-4046 • Fax (904) 262-4047

December 2, 2005

Fred Perry's Quality Construction
615 S. W. Sabre Avenue
Lake City, Florida 32024

Attention: Fred Perry

Reference: Proposed Bryan Residence
Russwood Estates, Phase 1, Lot 6
Columbia County, Florida
Cal-Tech Project No. 05-627

Dear Mr. Perry,

Cal-Tech Testing, Inc. has completed an investigation and evaluation for the proposed Bryan residence to be constructed at phase 1, lot 6 of Russwood Estates in Columbia County, Florida. The purposes of our work were to evaluate the potential for flooding of a home to be constructed at the site and to provide recommendations for selecting a finished floor elevation.

Based upon the U.S.G.S. "Lake Cite West" quadrangle map, the centerline of Mount Carmel Road adjacent the lot has an elevation of approximately 96.0 feet. Using this elevation as a reference, the proposed finished floor has an elevation of approximately 96.54 feet or only about 6.5 inches above the adjacent roadway.

Columbia County regulations require the finished floor of a new residence to be at least 12 inches above the elevation of the adjacent roadway unless it can be shown that such an elevation is not required to substantially reduce the likelihood of flooding.

Based upon the FEMA flood map, a small flood area is located approximately 1,000 feet west of the proposed building site. The flood elevation for this area has not been determined by FEMA; however, based upon the delineated flood area, this elevation is estimated to be about 87.0 to 88.0 feet. Thus the finished floor of the residence will be at least 8.5 feet above the local flood elevation. Based upon this elevation difference, it is our opinion elevating the floor of the residence to 12 inches above the adjacent roadway will not be required.

We recommend you maintain the proposed finished floor elevation of approximately 96.54 feet.

Permit +
23701

Urethra

Culvert Waiver No.
000000839

BUILDING PERMIT NO. 23701

APPLICANT STEPHEN MORGAN PHONE 752-2832

ADDRESS	615	SW SABRE AVE	LAKE CITY	FL	32024
---------	-----	--------------	-----------	----	-------

OWNER THEODORE & CATHERINE BRYAN PHONE 719-8849

ADDRESS	997	SW TROY STREET	LAKE CITY	FL	32024
---------	-----	----------------	-----------	----	-------

CONTRACTOR FREDRICK PERRY PHONE 752-2832

LOCATION OF PROPERTY 247S, TR ON TROY STREET, 3RD LOT ON RIGHT BEFORE RUSSWOOD TERR.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT RUSSWOOD EST 6 1

PARCEL ID # 10-4S-16-02853-106

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

SIGNATURE: Stacy M

**A SEPARATE CHECK IS REQUIRED
MAKE CHECKS PAYABLE TO BCC**

Amount Paid 50.00

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

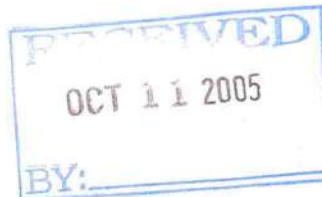
✓ APPROVED _____ NOT APPROVED - NEEDS A CULVERT PERMIT

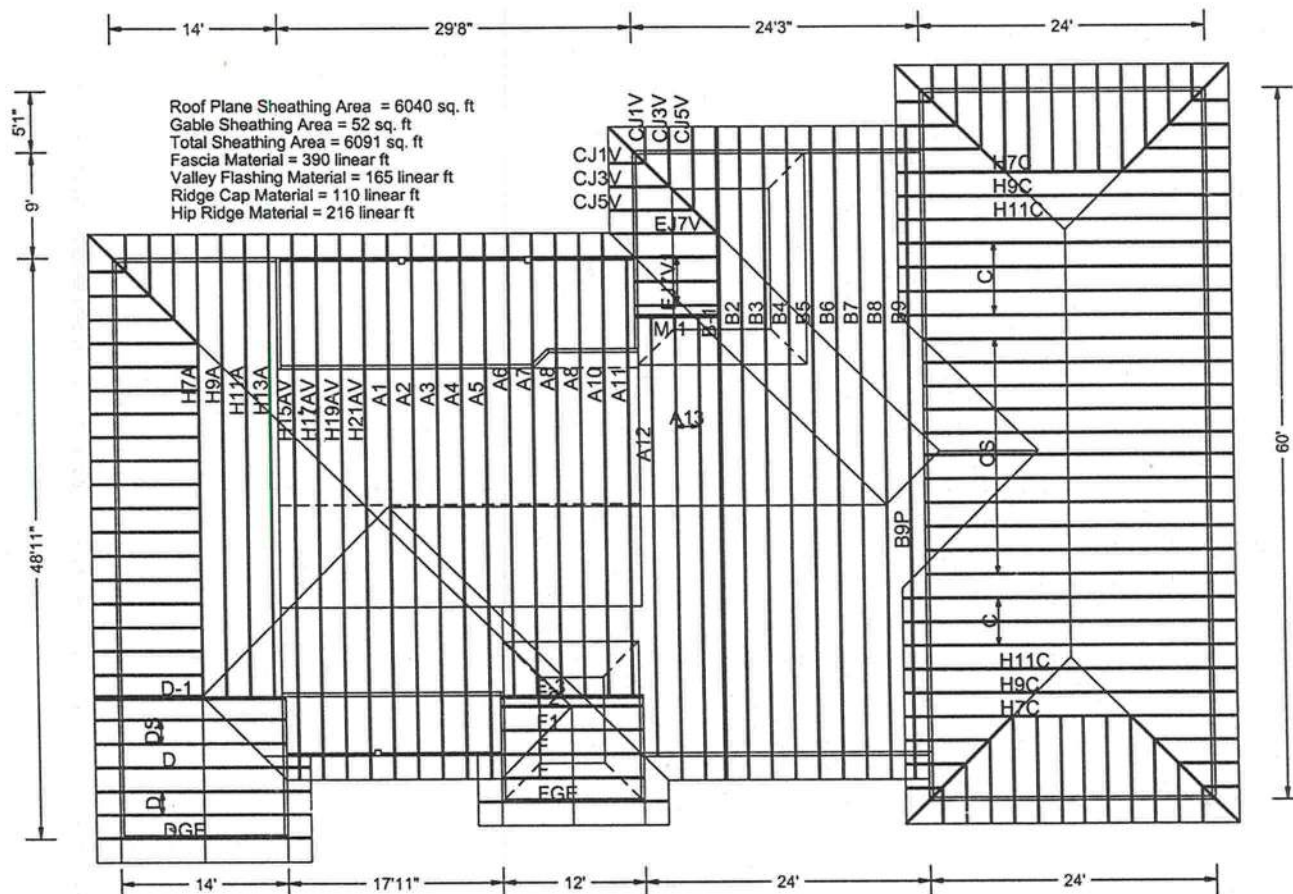
COMMENTS: _____

SIGNED: [Signature] DATE: 10/13/05

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

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





TED BRYAN

JOB LOCATION:

JOB DESCRIPTION:
TED BRYAN

DESIGNED BY:
SHAWN ANDERSON

JOB NO:
5-314

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:1SPB487-Z0103143959

Truss Fabricator: Anderson Truss Company

Job Identification: 5-314-TED BRYAN

Truss Count: 56

Model Code: Florida Building Code 2001

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

Engineering Software: Alpine Software, Versions 7.04, 7.02.

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: BRCLBSUB-CNBRGBLK-A11015EC-GBLLETIN



Seal Date: 08/03/2005

-Truss Design Engineer-

Arthur R. Fisher

Florida License Number: 59687

1950 Marley Drive

Haines City, FL 33844

#	Ref	Description	Drawing#	Date
1	81061--A12		05215098	08/03/05
2	81062--A13		05215099	08/03/05
3	81063--H7A		05215100	08/03/05
4	81064--H9A		05215101	08/03/05
5	81065--H11A		05215145	08/03/05
6	81066--H13A		05215102	08/03/05
7	81067--A2		05215103	08/03/05
8	81068--A3		05215104	08/03/05
9	81069--A4		05215105	08/03/05
10	81070--A5		05215106	08/03/05
11	81071--A6		05215107	08/03/05
12	81072--H15AV		05215108	08/03/05
13	81073--H17AV		05215109	08/03/05
14	81074--H19AV		05215110	08/03/05
15	81075--H21AV		05215111	08/03/05
16	81076--A1		05215112	08/03/05
17	81077--A7		05215113	08/03/05
18	81078--A8		05215114	08/03/05
19	81079--A10		05215115	08/03/05
20	81080--A11		05215116	08/03/05
21	81081--B9		05215117	08/03/05
22	81082--B8		05215118	08/03/05
23	81083--B7		05215119	08/03/05
24	81084--B6		05215120	08/03/05
25	81085--B5		05215121	08/03/05
26	81086--B-1		05215122	08/03/05
27	81087--B4		05215123	08/03/05
28	81088--B3		05215146	08/03/05
29	81089--B2		05215124	08/03/05
30	81090--C		05215125	08/03/05
31	81091--CS		05215126	08/03/05
32	81092--H11C		05215092	08/03/05
33	81093--H9C		05215093	08/03/05
34	81094--H7C		05215127	08/03/05
35	81095--D		05215094	08/03/05
36	81096--DS		05215095	08/03/05

#	Ref	Description	Drawing#	Date
37	81097--DGE		05215128	08/03/05
38	81098--D-1		05215129	08/03/05
39	81099--F		05215130	08/03/05
40	81100--F1		05215131	08/03/05
41	81101--F2		05215132	08/03/05
42	81102--F-3		05215133	08/03/05
43	81103--FGE		05215134	08/03/05
44	81104--CJ1		05215147	08/03/05
45	81105--HJ7		05215135	08/03/05
46	81106--CJ3		05215136	08/03/05
47	81107--CJ5		05215137	08/03/05
48	81108--EJ7		05215138	08/03/05
49	81109--CJ1V		05215139	08/03/05
50	81110--HJ7V		05215140	08/03/05
51	81111--CJ3V		05215141	08/03/05
52	81112--CJ5V		05215096	08/03/05
53	81113--EJ7V		05215097	08/03/05
54	81114--EJ7V1		05215142	08/03/05
55	81115--M-1		05215143	08/03/05
56	81116--B9P		05215144	08/03/05



Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844

Florida Engineering Certificate of Authorization Number: 567

Page 1 of 1 Document ID:ISP487-Z0103143959

Truss Fabricator: Anderson Truss Company
Job Identification: 5-314-TED BRYAN (5-314)-TED BRYAN)

Truss Count: 1

Model Code: Florida Building Code 2001

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

Engineering Software: Alpine Software, Versions 7.04, 7.02.

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: 08/03/2005

-Truss Design Engineer-
Arthur R. Fisher

Florida License Number: 59687
1950 Marley Drive
Haines City, FL 33844

Revised Trusses

#	Ref	Description	Drawing#	Date
1	81110--HJ7V		05215140	08/03/05

ALPINE



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

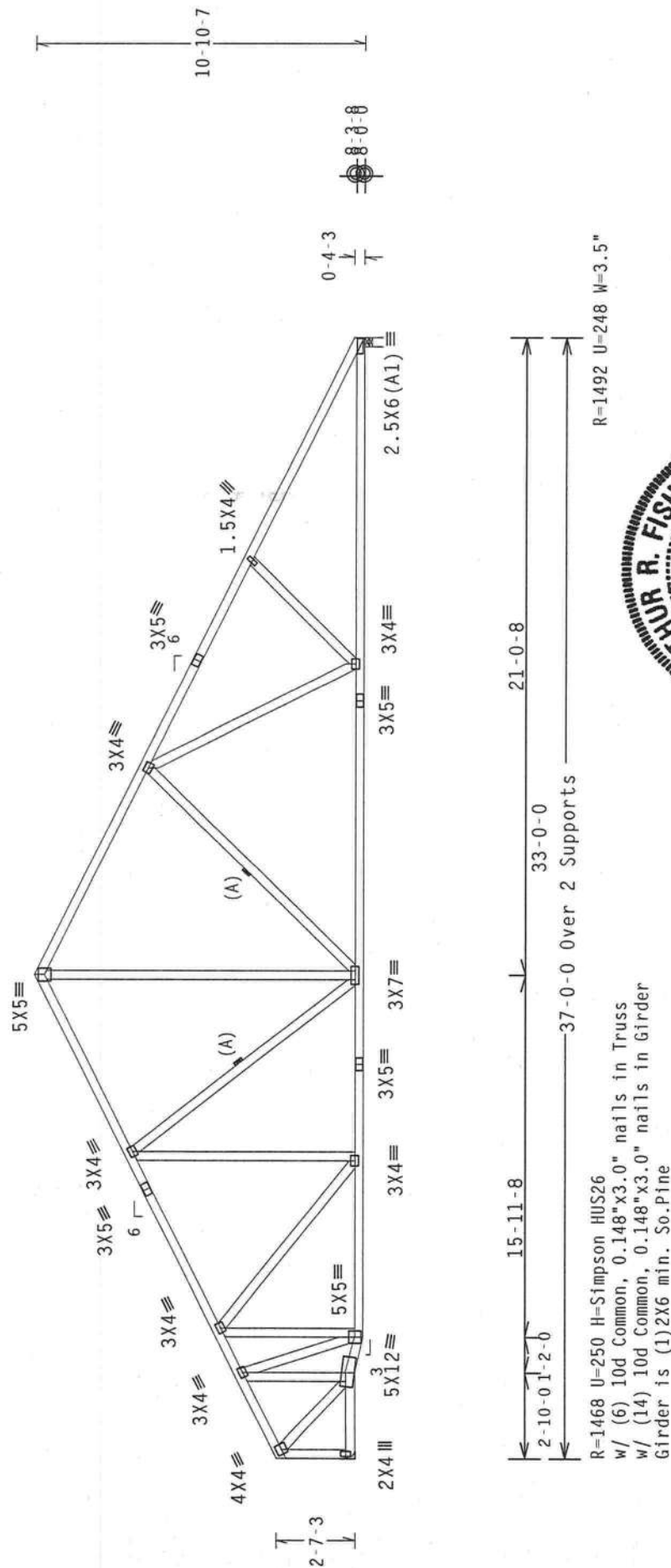
110 mph wind, 13.61 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Left end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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

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



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

0.

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

Scale = 1875"/Ft

***WARNING*-** TUNESSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFERENCE TO THESE TUNESSES FOR THE COMMON SAFETY (CROSS PLATE) INSTRUMENTS, 503 D'ORFÈRE DR., SUITE 200 MADISON, WI 53719) AND WICA (WOOD TRUSS CONNECTOR), 600 N. 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 ENGINEERING 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 AND TRUSS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFPA) AND THE ALPINE TRUSS MANUFACTURING AND INSTALLATION MANUAL. THE TRUSS DESIGNER SHALL BE RESPONSIBLE FOR PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN. PER SEALS PER 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER AS OF TPI-1-2002 SECTION 3. WRAPPING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF THIS DESIGN. THE DESIGN AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER TPI-1-2002 SECTION 3.



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

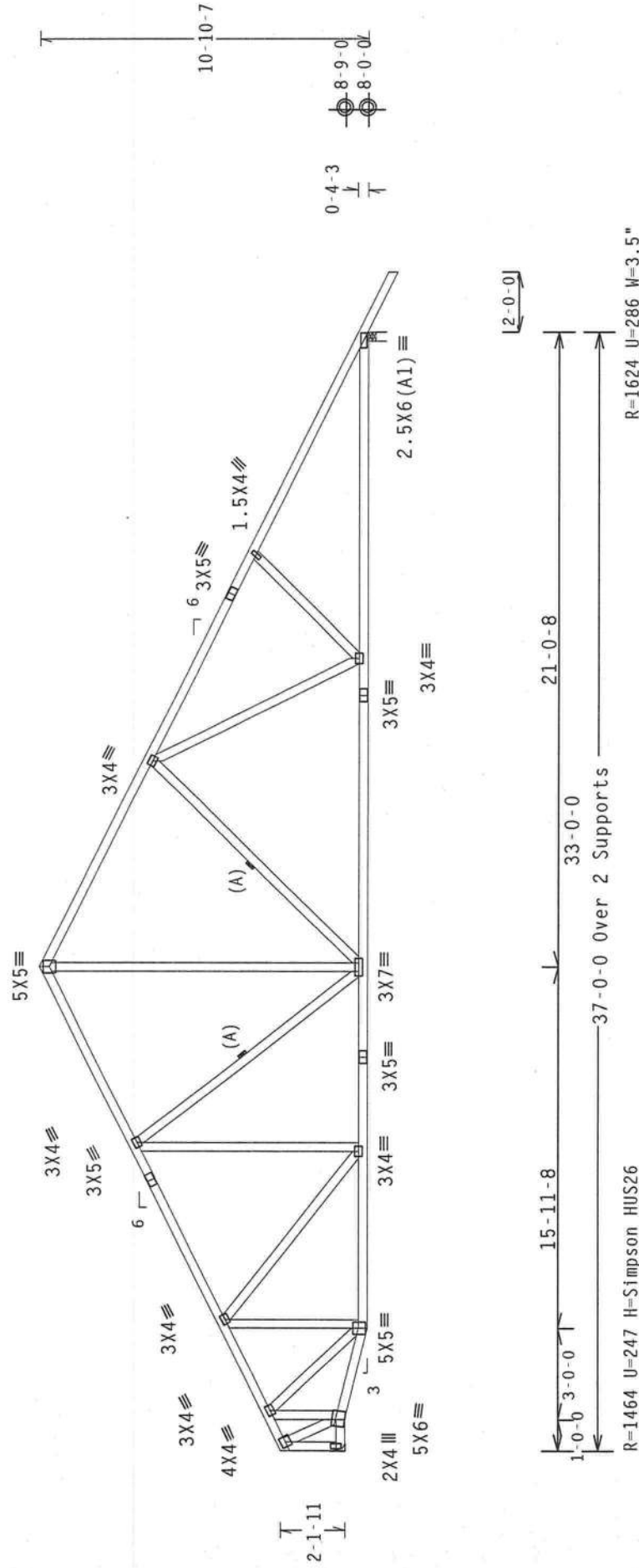
Haines City, FL 33844
FL Certificate of Authorization # 567

110 mph wind, 13.11 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.

Left end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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



R=1464 U=247 H=Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.pine

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

2 FL/-/3/-/1-/R/-/

Scale = .1875"/Ft.

***WARNING:** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE COMPANET SAFETY INFORMATION, PUBLISHED BY THE MANUFACTURER, FOR PROPER TRUSS PRACTICES. TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE BLVD., DUNFORD DR., SUITE 200, MADISON, WI 53719, AND WEA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE BLVD., DUNFORD DR., SUITE 200, MADISON, WI 53719. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED TOP CHORD CEILING.

****IMPORTANT****-FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERING PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. THE TRUSS COMPANY SHALL BE RESPONSIBLE FOR ANY SUCH VIOLATIONS BY THEM. THE ALPINE ENGINEERING CONNECTOR PLATES ARE MADE OF 2010-T3 ALUMINUM (ASTM SPEC. 6061) OR 6061 T-6 ONLY STEEL. PLATES TO EACH FACE OF THUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 180A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (3) SHALL BE PER AMEX A3 OF TP1-2002 SEC. 3.1.

ALPINE ENGINEERING ASSUMES ALL PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENTS DESIGN SHOWN HEREON. THE LIABILITY OF ANY OTHER PARTY FOR THIS COMPONENT OR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMEX/TP1 SEC. 2.



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

Top chord 2x6 SP #2 :T1 2x4 SP #2 Dense:
Bot chord 2x6 SP #1 Dense :B1 2x6 SP #2:
Webs 2x4 SP #3 :W11 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.

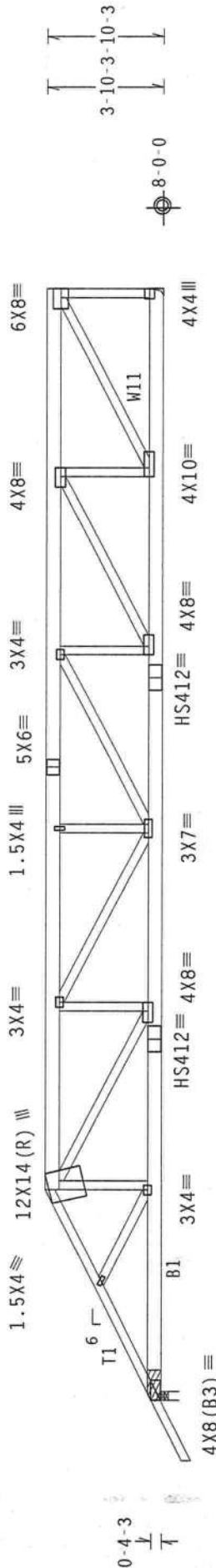
H = recommended connection based on manufacturer tested capacities and
calculations. Conditions may exist that require different connections
than indicated. Refer to manufacturer publication for additional information.

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 CNBRGK1103 for additional information.

Right end vertical not exposed to wind pressure.

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

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



12'-0-0

7'-0-0

29'-11-0

36'-11-0 Over 2 Supports

R=3043 U=560 W=3.5"

R=3054 U=527 H=Simpson HUS26
w/ (6) 16d, 0.162"x2.5" nails in Truss
w/ (14) 16d, 0.162"x2.5" nails in Girder
Girder is (2)2X6 min. So.Pine

FL/-13/-1/-R/- Scale =.1875"/Ft.

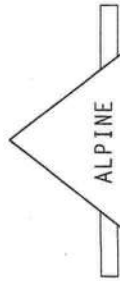
PLT TYP. 20 Gauge HS, Wave TPI Design Crit: TPI-1995(STD)/FBC 7.0

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.
REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503
D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN,
MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED,
TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED
RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE
TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.
DESIGNER'S LIABILITY IS LIMITED TO THE DESIGN OF THE TRUSS ONLY. THE DESIGNER IS NOT RESPONSIBLE FOR THE
CONNECTIONS TO THE BUILDING OR THE BUILDING'S FOUNDATION. THE DESIGNER IS NOT RESPONSIBLE FOR THE
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2.
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT
DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE
BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R487 --	81063
TC DL	10.0 PSF	DATE	08/03/05	
BC DL	10.0 PSF	DRW	HCUR487	05215100
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	21916	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SPB487_Z01	



Alpine Engineered Products, Inc.
1936 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

(5-314-TED BRYAN - H9A)

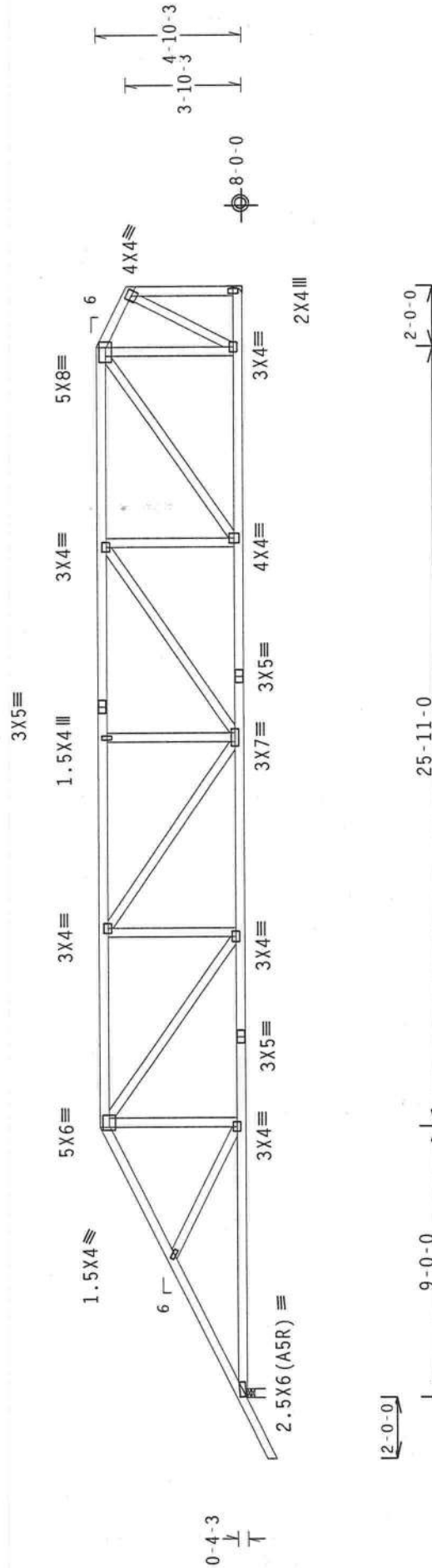
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

110 mph wind, 10.10 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.



R=1621 U=294 W=3.5"

R=1460 U=269 H-Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2x6 min. So.Pine

Scale = .1875" / Ft.

PLT TYP. Wave TPI

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, 593 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 TRUSSES IN CONFORMANCE WITH THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. DESIGN CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE NATIONAL DESIGN SPEC. BY ACPA AND TPI. COPIES OF THIS DESIGN SHALL BE MADE OF 2018/160A (H/H/S/K) ASTM A663 GRADE 40/60 (H, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R487 --	81064
TC DL	10.0 PSF	DATE	08/03/05	
BC DL	10.0 PSF	DRW	HCUSR487	05215101
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEON	21921	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SPB487_Z01	



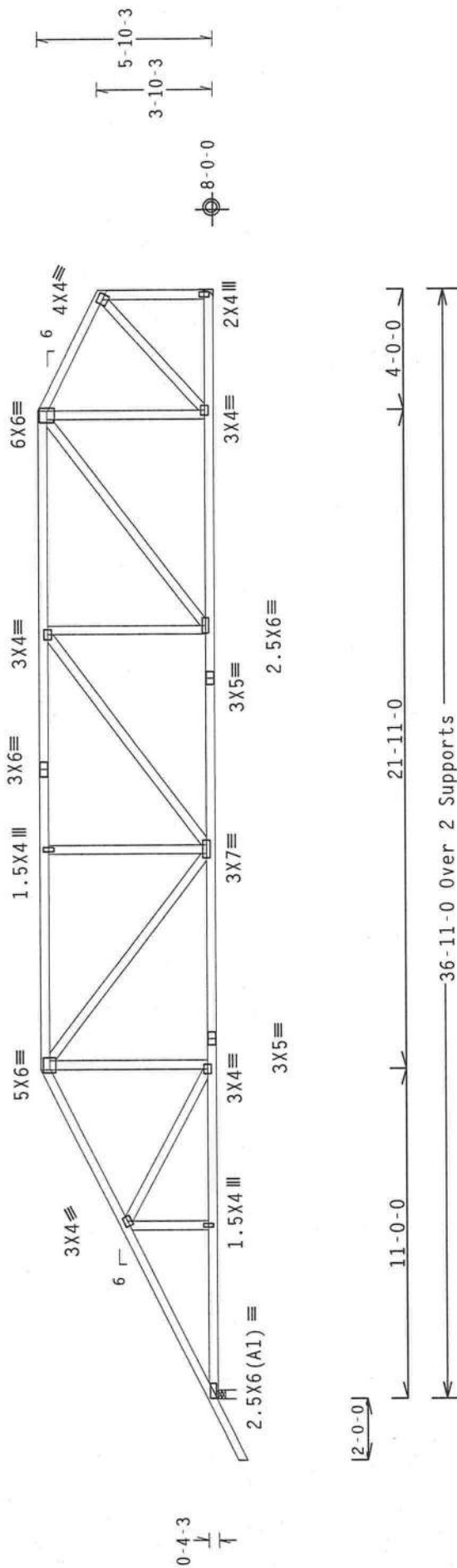
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1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

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

110 mph wind, 10.60 ft mean hgt., ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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



R=1621 H=292 W=3.5"

R=1460 U=267 H=Simpson HUS26
(6) 10d Common, 0.148"x3.0" nails in Truss
(4) 10d Common, 0.148"x3.0" nails in Girder
Ss (1)2X6 min. So.Pine

Scale = .1875" / Ft.

04 APR 1964
LICENSE
1
FL-131-1-1R/-

Design Crit: TPI-1995 (STD) / FBC

PIT TYP Wave TPI

TC LL	20.0 PSF	REF R487--	81065
TC DL	10.0 PSF	DATE	08/03/05
BC DL	10.0 PSF	DRW	HCUSR487 05215145
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	21925
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SPB487_Z01



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

IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS & PRODUCTS, INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND STEEL ALPINE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPI-1-2002 SEC.3. A SEAL ON THE DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN AND USE OF THIS COMMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNER. SEE DRAWING DESIGNER PER TPI-1-2002 SEC.3.

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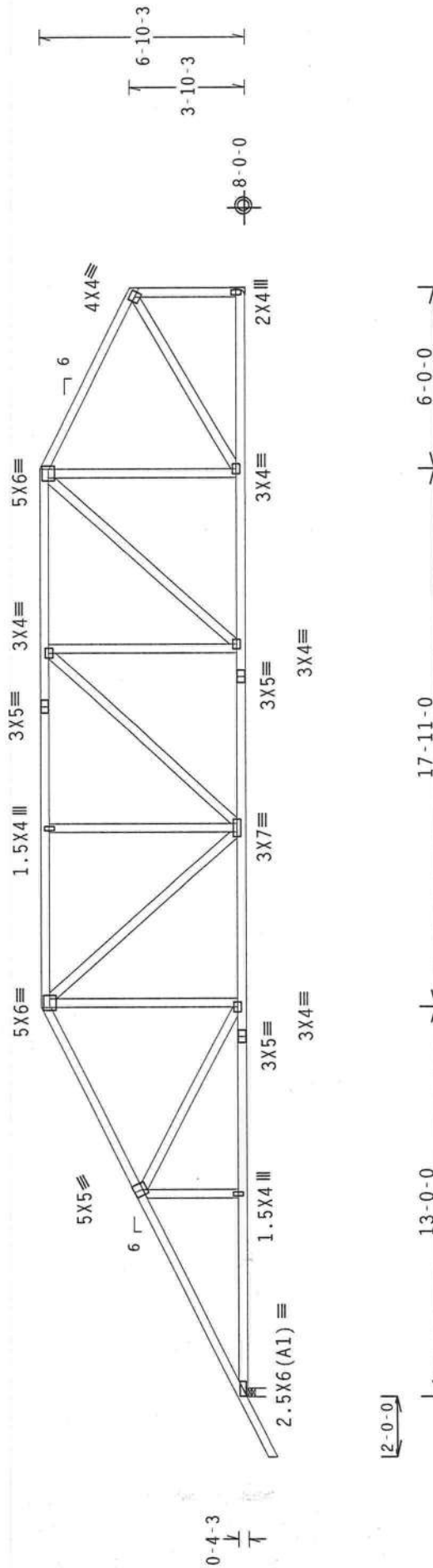
	Dense	#2	Dense
Top chord	2x4	SP	#2
Bot chord	2x4	SP	#2
Webs	2x4	SP	#3

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

Right end vertical not exposed to wind pressure.

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

110 mph wind, 11.10 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.



-36-11-0 Over 2 Supports

R=1621 U=289 W=3.5"

R=1460 U=264 H=Simpson HUS26

(6) 10d Common, 0.148"x3.0" nails in Truss
(4) 10d Common, 0.148"x3.0" nails in Girder
Flashings (1)2x6 min. So.Pine

Scale = .1875"/Ft.

Scale = .1875"/Ft.

RFF R487-- 8106

DATE 08/03/05

DATE 00/00/00

DRW HCUSR487 05215102

HC-ENG JB/AF

SEQN- 21929

	T
	C
	R
	F
	C
	A
	C
	C
	C
	T
	L
	L
	C
	T

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND DRACING. PLEASE CONSULT THE FOLLOWING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PEAKE INSTITUTE, 983 RICHMOND ST., SUITE 209, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

*** IMPORTANT ** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS
DESIGNERS, INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE
TRUSS IN CONFORMANCE WITH TPT1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.
THIS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/CES) AND THE
2010 INTERNATIONAL BUILDING CODES (IBC, BY AIA/CES). THE TRUSS SHALL BE MADE OF STEEL APPLIED
PLATES TO EACH FACE OF THE 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 TPT1-2002 SEC.2. A SEAL ON THIS
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT
OF THIS PROJECT, THE USE OF THIS CONTRACT FOR ANY BUILDING IS NOT THE RESPONSIBILITY OF THE
BUILDING DESIGNER PER ANNEX T1.1 SEC.2.

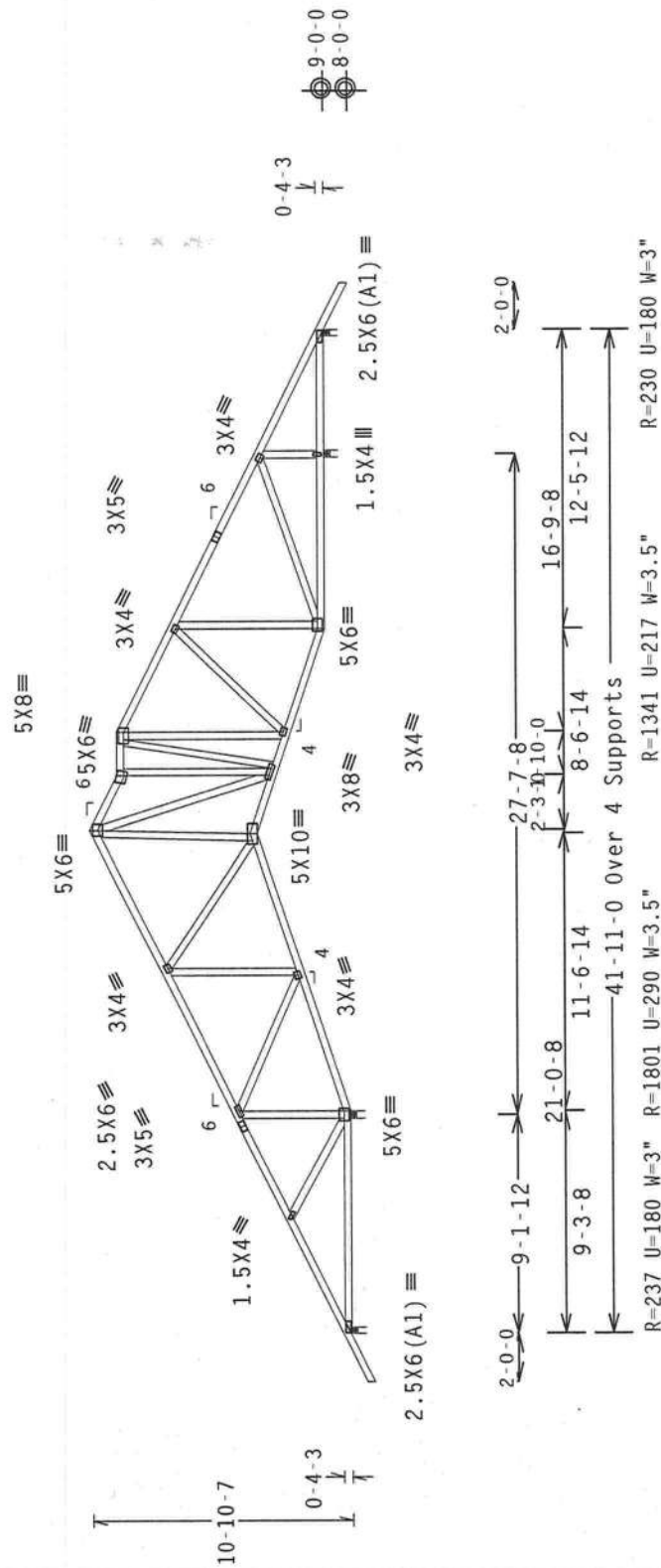
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	Top	chord	2x4	SP	#2	Dense
	Bot	chord	2x4	SP	#2	Dense
		webs	2x4	SP	#3	

110 mph wind, 13.11 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

7.04

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

Scale = .125"/Ft.

REF	R487 --	81067
DATE	08/03/05	
DRW	HCUSR487	05215103
HC-ENG	JB/AF	
SEQN-	21987	
REF-	1SPB487_Z01	

C LL	20.0 PSF
C DL	10.0 PSF
C DL	10.0 PSF
C LL	0.0 PSF
TOT.LD.	40.0 PSF
UR.FAC.	1.25
SPACING	24.0"

No. 59687
Aug 03 '05
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03, QUALIFYING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 384 WOODHURST DR., SUITE 200, MADISON, WI 53719, AND MICA (WOOD TRUSS) DESIGN SPEC. UNLESS OTHERWISE INDICATED, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO TRUSS CONSTRUCTION. IF OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PLATES 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 THE FOLLOWING PROVISIONS OF THE NATIONAL DESIGN SPEC. BY AISC AND TPI ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (H-U/S) ASTM A653 GRADE 40/50 H, K/H-S3 GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER 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 ANNEX T/PI 1 SEC. 2.

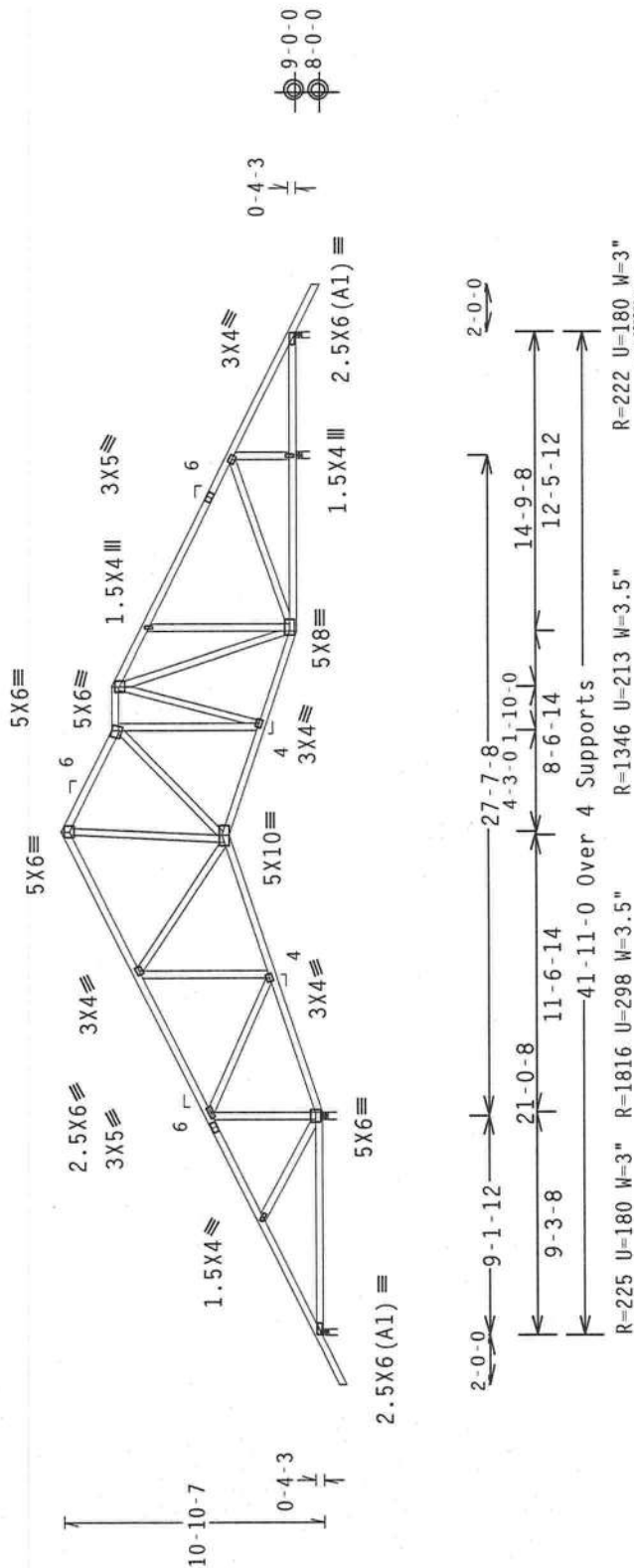


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Haines City, FL 33844

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

1110 mph wind, 13.11 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.



R=225 U=180 W=3" R=1816 U=298 W=3.5" R=1346 U=213 W=3.5" R=222 U=180 W=3"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

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

Scale = .125"/Ft.

WARNING: THUSSEY TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. PLEASE READ THE FOLLOWING INFORMATION. PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 REEDS LANE, SUITE 200, WILMINGTON, MA 01890) AND WTA (WOOD TRUSS SOCIETY OF AMERICA, 6300 ENTERPRISE LN., DUNFORD DR., SUITE 200, MADISON, WI 53719). FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** *FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS & ARCHITECTS, 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 OR BRACING OF TRUSSES, JOISTS, OR BRACKETS; OR ANY FAILURE TO FOLLOW THE DESIGN REQUIREMENTS OF THIS SPECIFICATION. THE INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSS SYSTEM. THE TRUSS SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING: ALL TRUSS JOISTS SHALL BE MADE OF 20018/16GA. (IN. W/SPCS) ASTM A563 GRADE 40/60 (K/IN) GALV. STEEL. CONNECTOR PLATES ARE MADE OF 20018/16GA. (IN. W/SPCS) ASTM A563 GRADE 40/60 (K/IN) 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 A OF TP11-2002 SEC.3. A SEAL ON THE WRAPPING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLID FOR THE TRUSS JOIST. THE WRAPPING INDICATES ACCEPTANCE OF THIS CONTRACT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX TP11 1 SEC. 2.



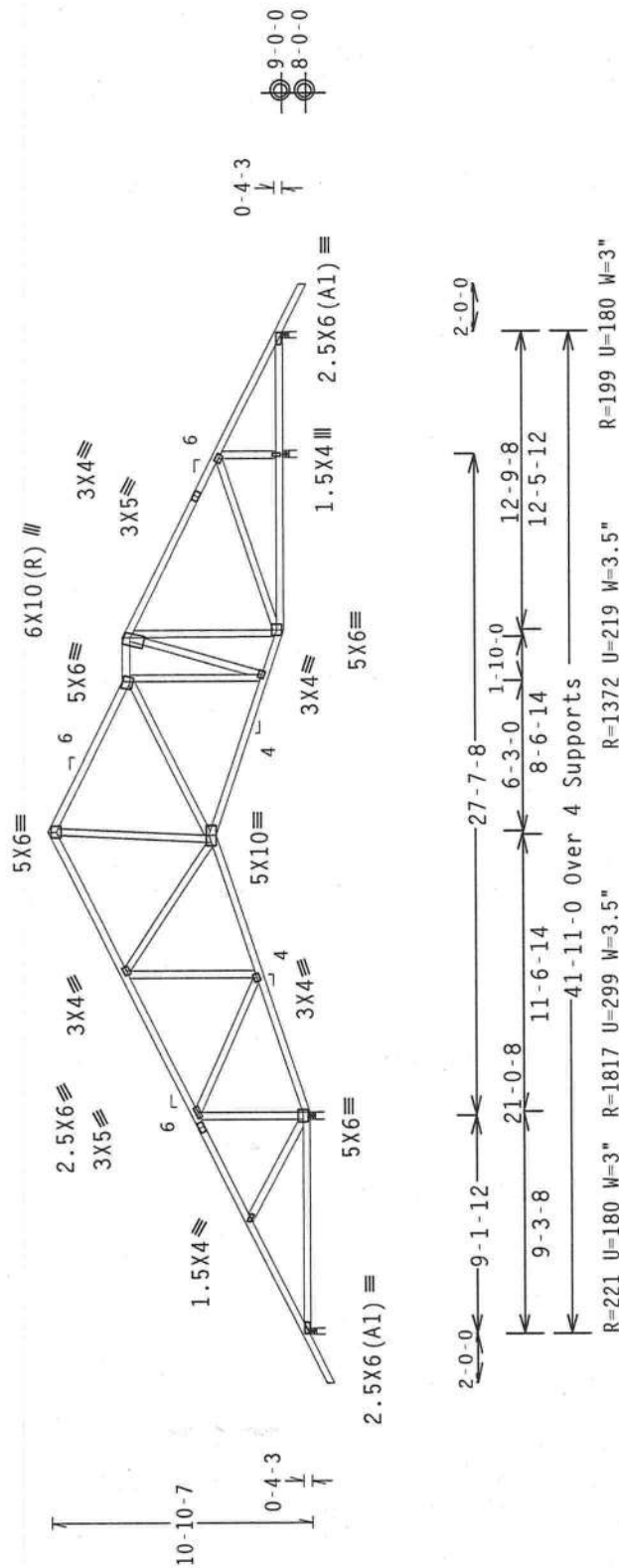
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	Dense	#2	Dense
Top chord	2x4	SP	#2
Bot chord	2x4	SP	#2
Webs	2x4	SP	#3

110 mph wind, 13.11 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.



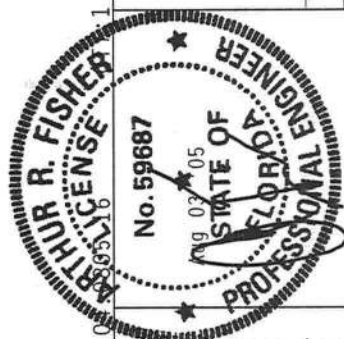
PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

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

Scale = .125"/Ft.

TC LL	20.0	PSF	REF	R487 - -	81069
TC DL	10.0	PSF	DATE	08/03/05	
BC DL	10.0	PSF	DRW	HCUSR487	05215105
BC LL	0.0	PSF	HC-ENG	JB/AF	
TOT.LD.	40.0	PSF	SEQN -	22005	
DUR.FAC.	1.25				
SPACING	24.0"		JREF -	1SPB487_Z01	



****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 AND REQUIREMENTS OF ALL APPLICABLE BUILDING CODES, TRUSS MANUFACTURING STANDARDS, NATIONAL DESIGN SPEC. BY AISC/AISI AND TPI-ALPINE CONNECTOR PLATES ARE MADE OF 2018/T6G6 (H/S)E ASTM A653 GRADE 40/60 (H/K)S1 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 AMBEX 43 OF TPI-2002 SEC. 3.2. WRAPPING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BEING SHOWN. THE SUBMITTAL AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMBEX/TPI 1 SEC. 2.

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

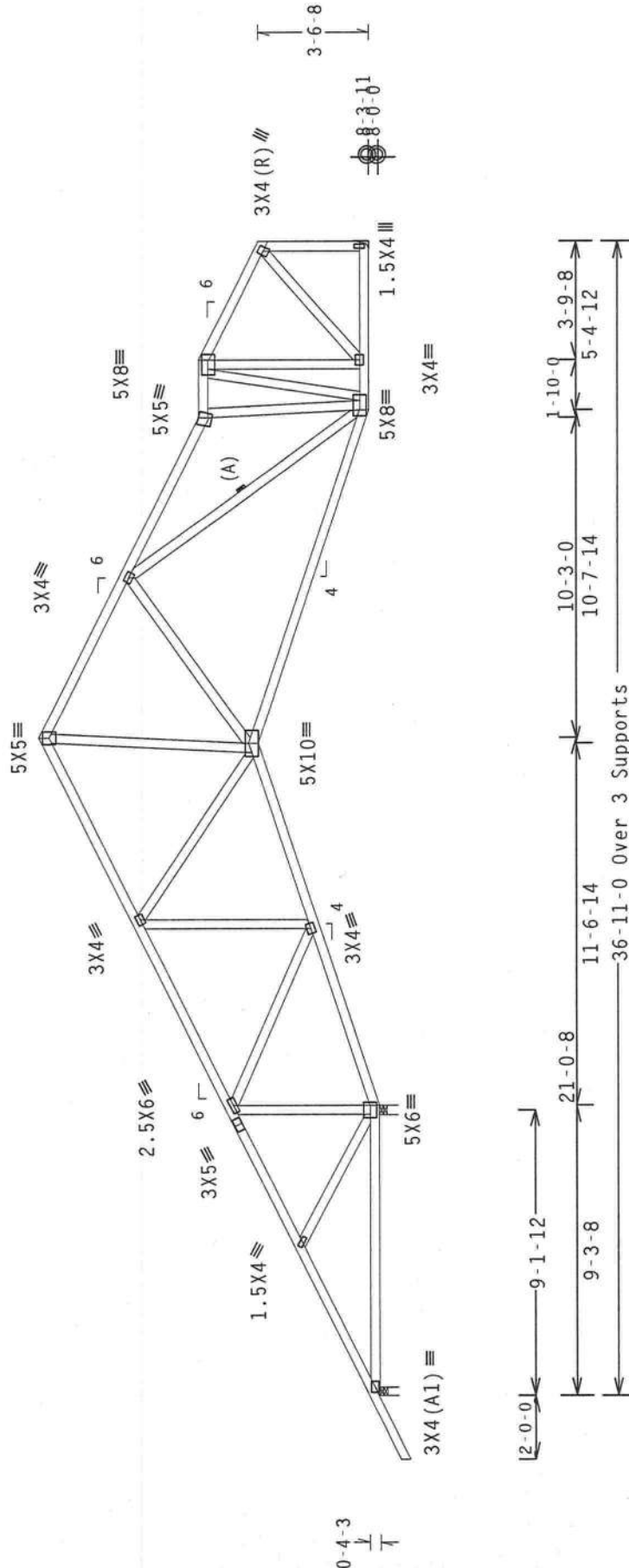
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

110 mph wind, 13.11 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.

(A) Continuous lateral bracing equally spaced on member.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.0

Scale = .1875"/Ft.



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

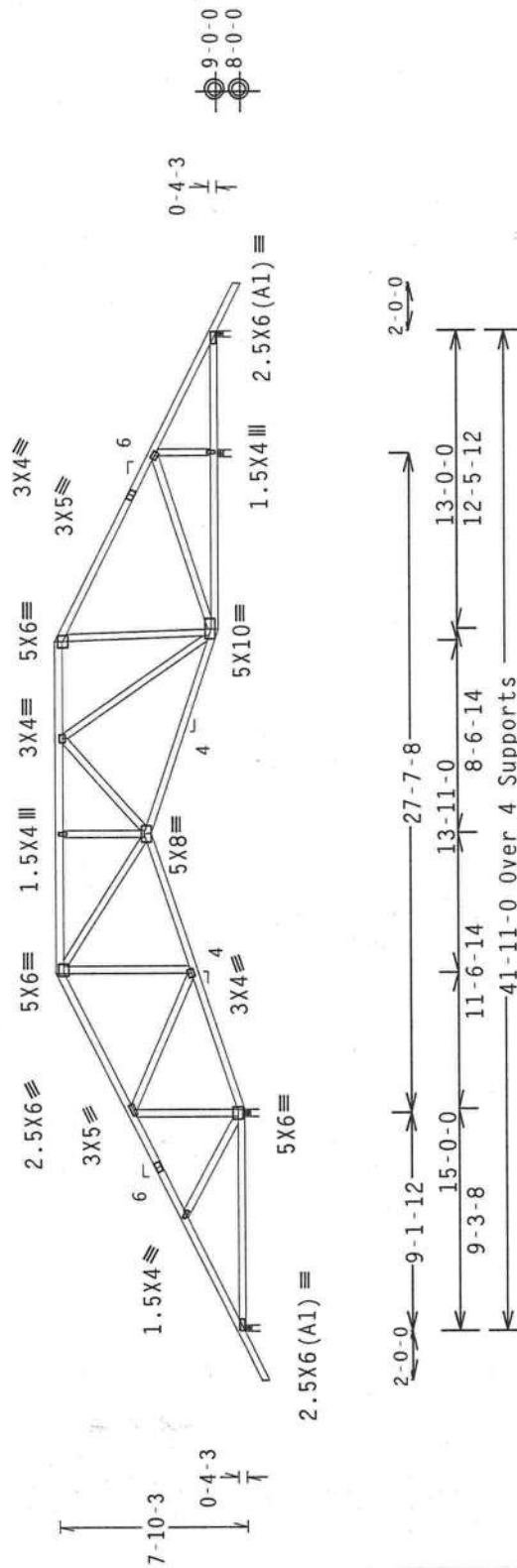
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (U/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 1004-15. FIRST FLIGHT OF PLATES FOLLOW BOTTOM CHORD. PROVIDE PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN. PROGRAM INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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TC LL	20.0 PSF	REF	R487 --	81071
TC DL	10.0 PSF	DATE	08/03/05	
BC DL	10.0 PSF	DRW	HCUSR487	05215107
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	22022	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SPB487_Z01	

110 mph wind, 11.60 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



R=109 U=180 W=3"

R=1442 U=237 W=3.5"

R=125 U=180 W=3" R=1932 U=321 W=3.5"

PLT TYP.: Wave TPI

Design Crit: $\text{TPI-1995(STD)}/\text{FBC}$

7.0

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

Scale = .125"/Ft.

REF	R487 - -	81072
DATE	08/03/05	
DRW	HCUSP487	05215108
HC	-ENG JB/AF	
SEQN	-	21949
JREF	-	1SPB487_Z01

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

WARNING: THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO DESIG 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 583 D'ONOFIO DR., SUITE 200, MADISON, WI 53719, AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO GOOD THUSSES 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. ALUMINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&R&A) AND TPI- ALPINE CONNECTOR PLATES ARE MADE OF 20/30/16GA (H/W/S/K) ASTM A653 GRADE 40/60 (H, K/H/S) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND (WHETHER LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. AN 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 AVAILABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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Haines City, FL 33844
FL Certificate of Authorization # 567

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	

(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.

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



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

Scale = .125"/Ft.

TC LL	20.0	PSF	REF R487--	81073
TC DL	10.0	PSF	DATE	08/03/05
BC DL	10.0	PSF	DRW HCUR8487	05215109
BC LL	0.0	PSF	HC-ENG JB/AF	
TOT.LD.	40.0	PSF	SEQN-	21956
DUR.FAC.	1.25			
SPACING	24.0"		JREF-	1SPB487_Z01

*WARNING** THESE PROPOSED EXTRINSIC CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, OF THE PROPOSED BRACING SYSTEMS, INCLUDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 583 S. OLDFORD DR., SUITE 200, MADISON, WI 53719, AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED PLATED CEILING.

[illegible]

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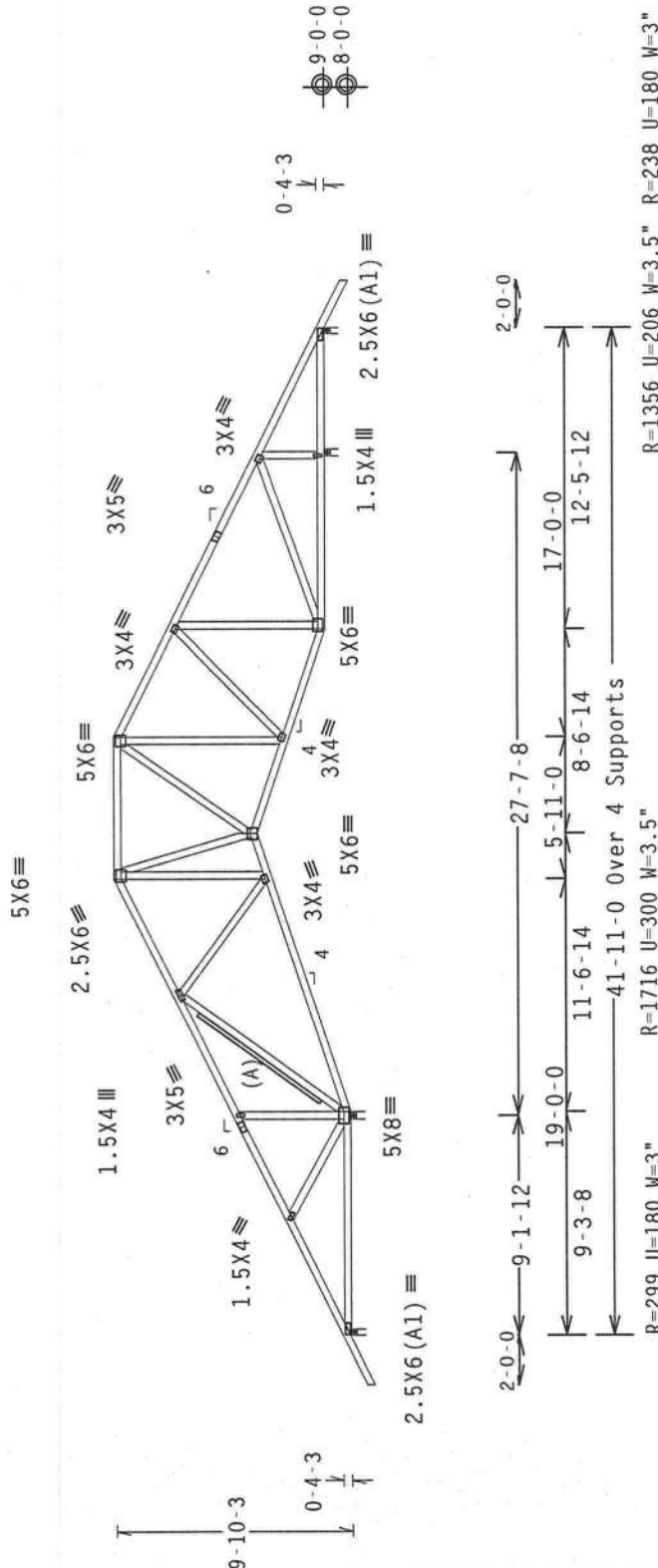
(5-314-TED BRYAN - H19AV)

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

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

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



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

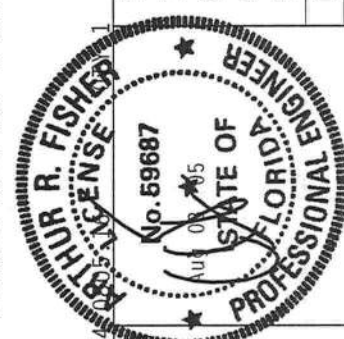
FL/-/3/-/-/R/-

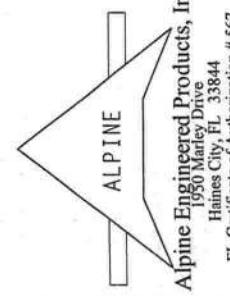
Scale = .125"/Ft.

TC LL	20.0 PSF	REF	R487 --	81074
TC DL	10.0 PSF	DATE	08/03/05	
BC DL	10.0 PSF	DRW	HCUSR487	05215110
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	21964	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SPB487_Z01	

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 5000 ENTERPRISE LN, DUNDORF DR., SUITE 200, MADISON, WI 53719) AND NICA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LN, DUNDORF DR., SUITE 200, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. 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 NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W/H/S/P) ASTM A653 GRADE 40/60 (4, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.





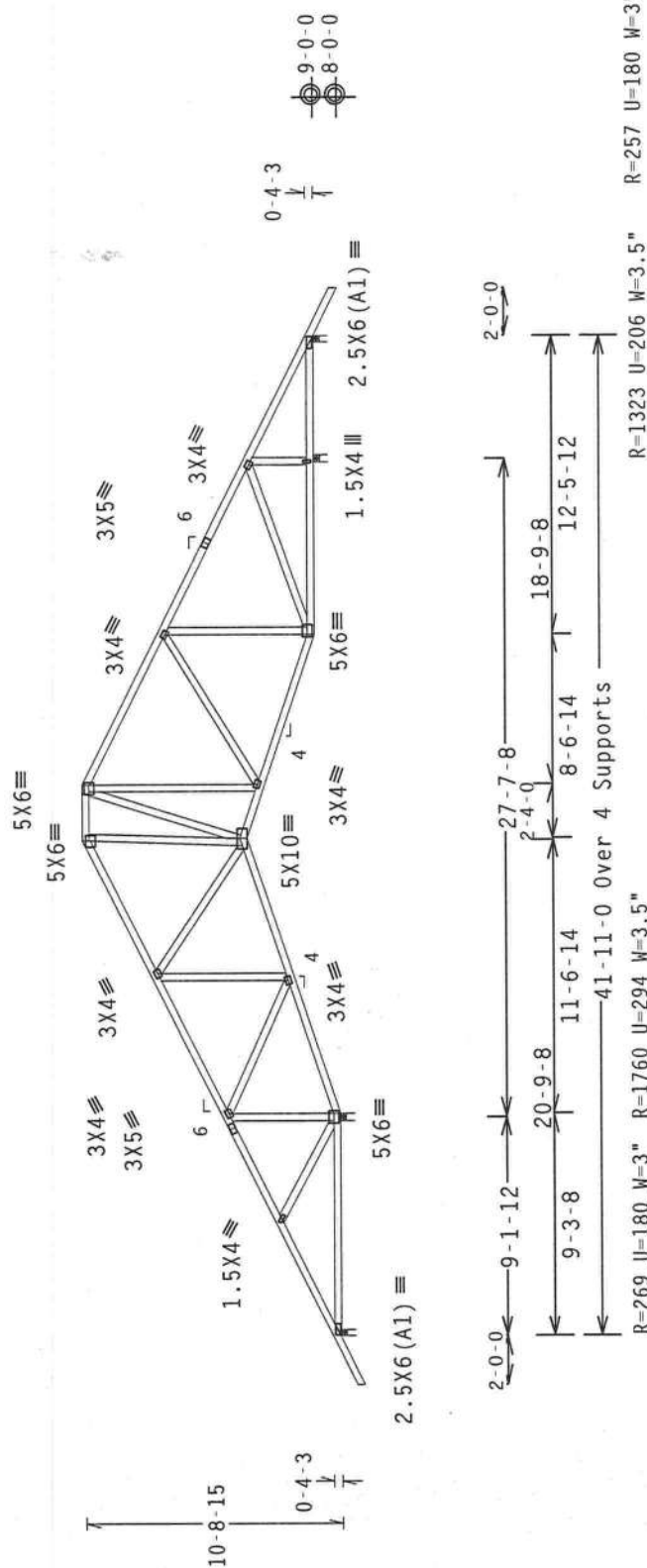
ALPINE

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1950 N. Highway 100
Haines City, FL 33844

FL Certificate of Authorization # 567

110 mph wind, 13.04 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

Scale = .125"/Ft.

HARRING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO 1 (800) 368-5833 FOR MORE INFORMATION. PUBLISHED BY TPI TRUSSING PLATE INSTITUTE, 583 MADISON AVE., SUITE 200, MADISON, WI 53719. AND NCA, NATION TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE, LN. MADISON, WI 53719. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

* IMPORTANT: ** UNLESS A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, ALPINE ENGINEERS & ARCHITECTS, INC., SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (1989) CODES (AISC 360-10) & AISC 360-10. 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 A OF TP1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SIGNED BY THE DESIGNER. THE BUILDING DESIGNER PER ANNEX 1 SEC. 2.



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

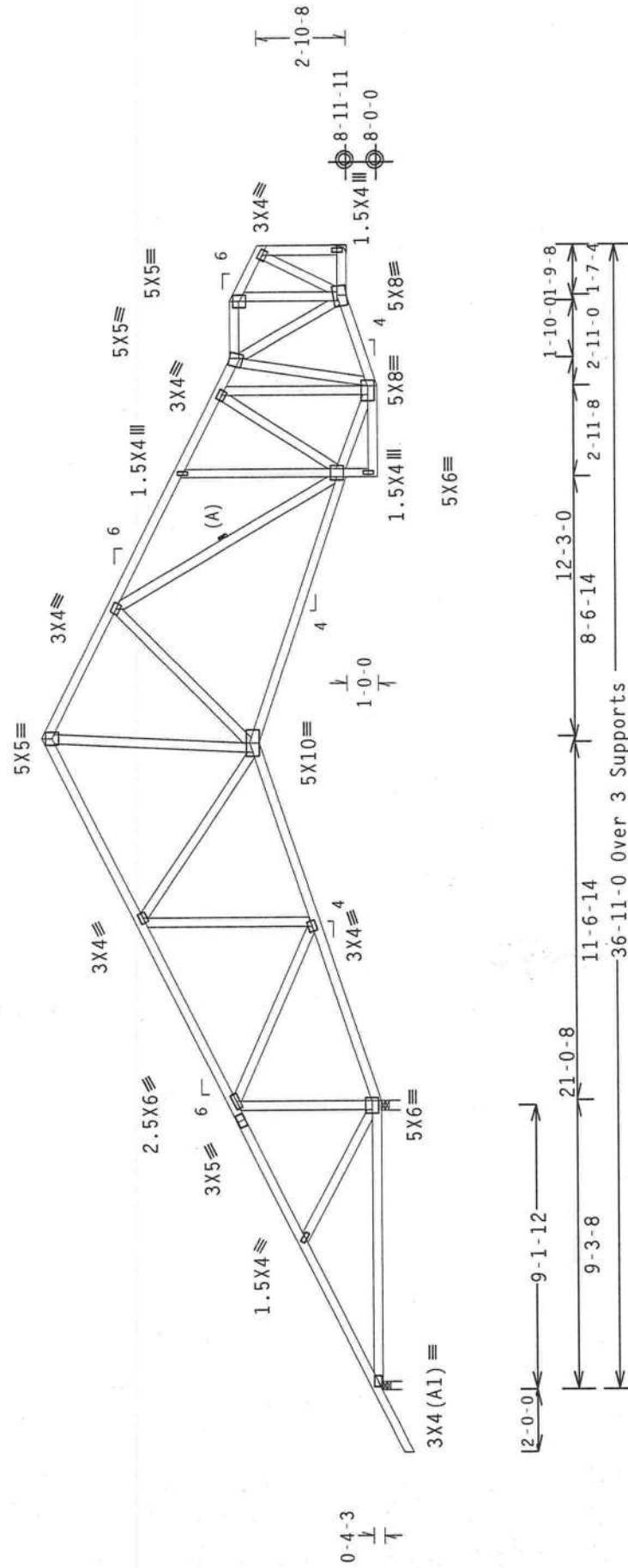
Haines City, FL 33844
FL Certificate of Authorization # 567

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

Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

110 mph wind, 13.11 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=1004 U=180 H=Simpson LUS26

(4) 10d Common, 0.148"x3.0" nails in Truss
(4) 10d Common, 0.148"x3.0" nails in Girder
Nails (1)2X6 min. So.Pine

Scale = .1875" / Ft.

PIT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.

916.505.126

WARNING THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BOSTON BUILDING CODE, CHAPTER 22, SECTION 2207.01, FOR ADDITIONAL INFORMATION. PUBLISHED BY IPI (TRUSS PLATE INSTITUTE, 583 MATHER ST., BOSTON, MASSACHUSETTS 02118) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., SUITE 100, FORT COLLINS, COLORADO 80526). THESE THUSSES ARE DESIGNED TO BE USED IN CONJUNCTION WITH THE THUSSES MANUFACTURED BY IPI OR WICA. THESE THUSSES ARE NOT TO BE USED FOR ANY OTHER PURPOSES. UNLESS OTHERWISE INDICATED, ALL TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED BRIGID CEILING.

*** IMPORTANT ***: TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE CODES, PERMITS, AND SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY MATERIALS, INCLUDING BUT NOT LIMITED TO: STEEL, GALV. STEEL, PLATES TO EACH FACE OF TRUSSES AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2 TO 160A-5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSS AND THE SEAL ON THE BRACING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THIS CONTRACT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANS/A11.1 SEC. 2.

No. 59687

103.95

STATE OF

10/10/73

ENGINEERING

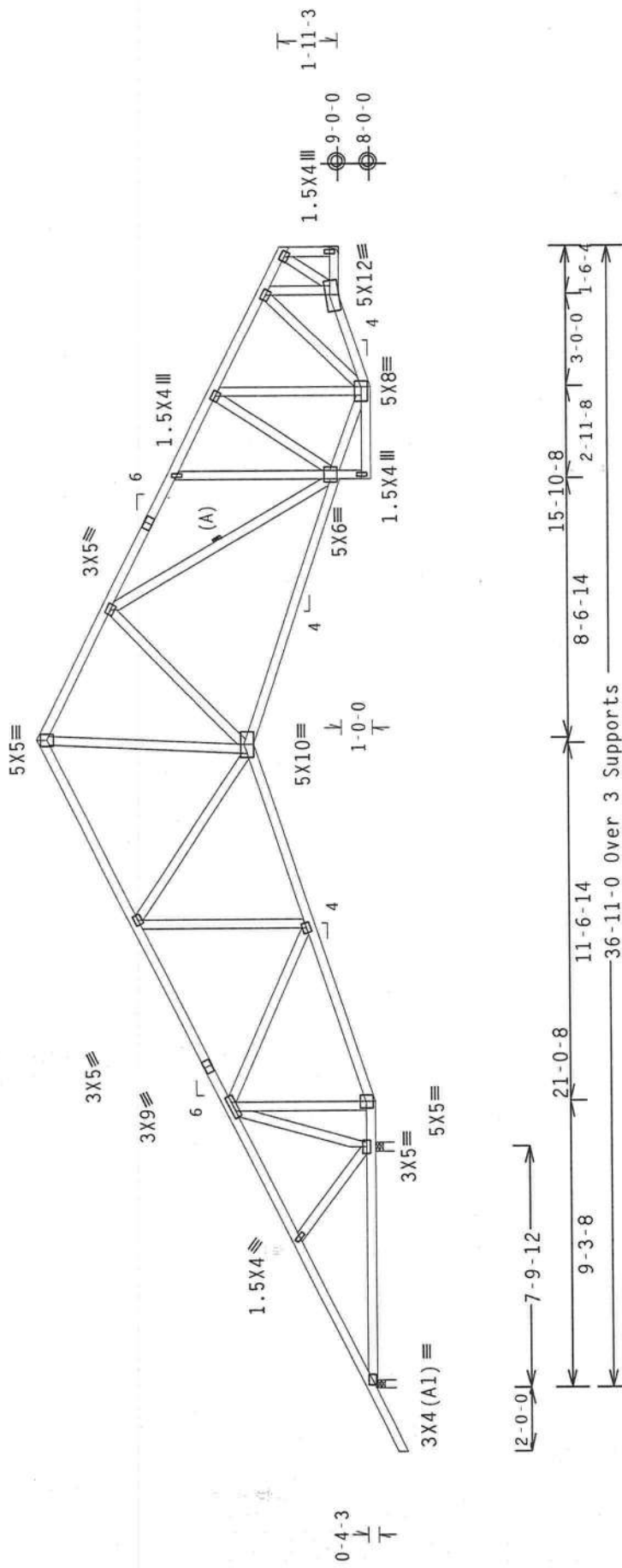
1

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

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

110 mph wind, 13.11 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.
Deflection meets L/360 live and L/240 total load.



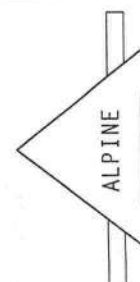
Note: All Plates Are 3X4 Except As Shown.
R=127 U=180 W=3" R=1879 U=333 W=3.5"
R=1075 U=180 H=Simpson HUS26
W/ (6) 10d Common, 0.148"x3.0" nails in Truss
(4) 10d Common, 0.148"x3.0" nails in Girder
is (1)2X6 min. So.Pine

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04 FL/-13/-1-/R/-

Scale = .1875"/Ft.

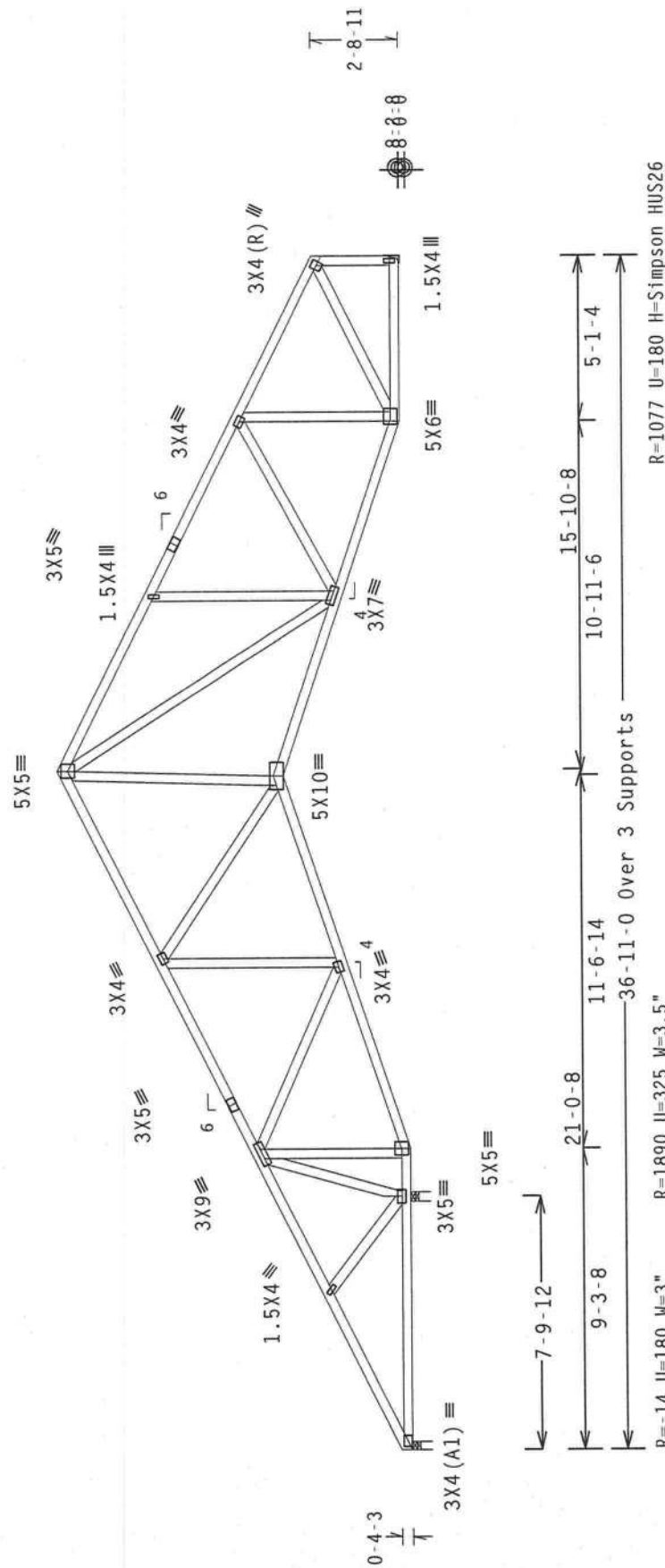
 Alpine Engineering Products, Inc. 1950 Marley Drive Haines City, FL 33844 FL Certificate of Authorization # 567	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION) FOR TPI TRUSS PLATE INSTITUTE, 583 D'ORFORD DR., SUITE 200, WILMINGTON, DE 19804. AND AISC 1600 TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, WILMINGTON, DE 19804. 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--	81078
	IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI. APPLY CONNECTOR PLATES ARE MADE OF 2018/16GA (4-H/5/3) 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 ANNOT A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING 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	08/03/05	
			BC DL	10.0 PSF	DRW	HCUSR487	05215114
			BC LL	0.0 PSF	HC-ENG	JB/AF	
			TOT.LD.	40.0 PSF	SEON-	22039	
			DUR.FAC.	1.25			
			SPACING	24.0"	JREF-	1SPB487_Z01	

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

110 mph wind, 13.61 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.



R=1077 U=180 H=Simpson HUS26

W/ (6) 10d Common, 0.148"x3.0" nails in Truss
(14) 10d Common, 0.148"x3.0" nails in Girder
S/S is (1)2X6 min. So.Pine

Scale = .1875" / Ft.

PIT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

C

81-5060
SNA 91-5060
81-5060

TC LL	20.0 PSF	REF R487 -- 81080
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TC DL	10.0 PSF	DATE	08/03/05
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BC DL	10.0 PSF	DRW HCUSR487 05215116
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BC LL	0.0 PSF	HC-ENG JB/AF
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TOT.LD.	40.0 PSF	SEQN -	22054
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DUR. FAC.	1.25
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SPACING	24.0"	JREF- 1SPB487 Z01
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1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

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Top chord 2x6 SP #2 :T1, T5 2x4 SP #2 Dense:
Bot chord 2x6 SP #2 :B2, B5 2x6 SP #1 Dense:
:B3 2x8 SP SS: :B4 2x4 SP #2 Dense:
Webs 2x4 SP #3

110 mph wind, 12.92 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.

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

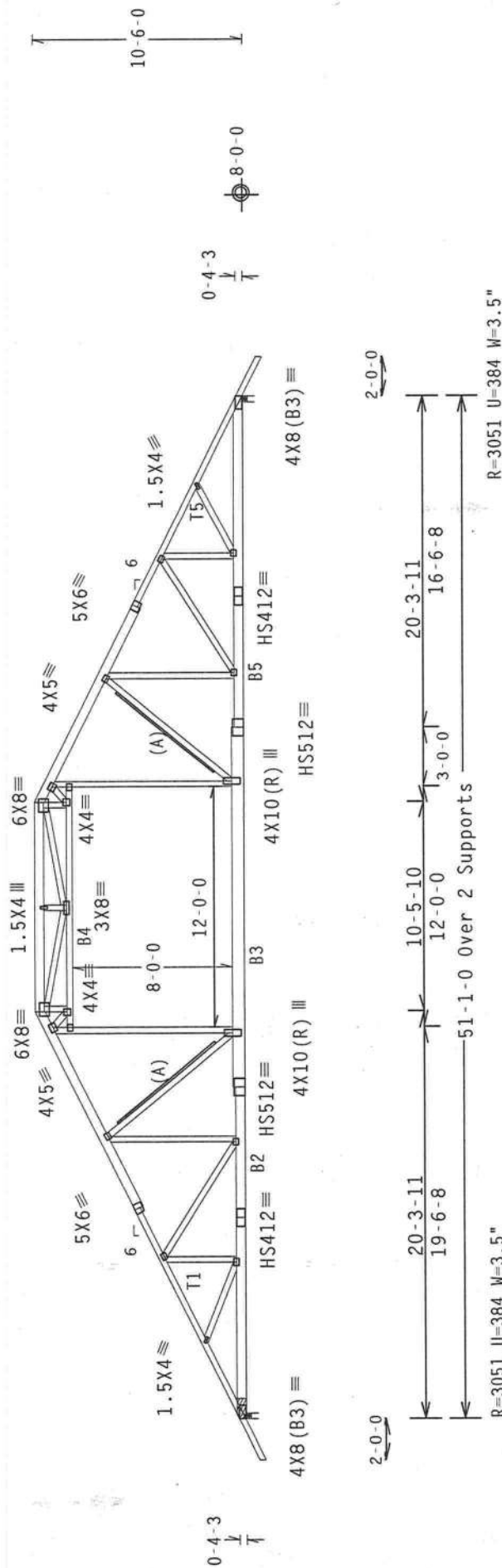
Deflection meets L/360 live and L/240 total load.

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
2 50.792' 1 12" 4 Match Truss
Bearing block to be same size and species as bottom chord.
Refer to drawing CMBRGLK1103 for additional information.

(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.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 19-6-8 to 31-6-8.

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.



Note: All Plates Are 3x4 Except As Shown.

PLT TYP. 20 Gauge HS, Wave TPI

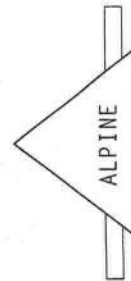
Design Crit: TPI-1995(STD)/FBC

7.0

FL/-/3/-/R/-

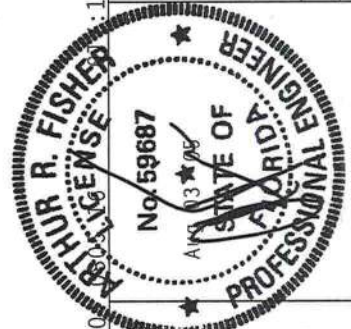
Scale = .125"/Ft.

REF R487-- 81081	TC LL 20.0 PSF	FL/-/3/-/R/-
DATE 08/03/05	TC DL 10.0 PSF	
DRW HCUSR487 05215117	BC DL 10.0 PSF	
HC-ENG JB/AF	BC LL 0.0 PSF	
SEQN- 22428	TOT.LD. 40.0 PSF	
	DUR.FAC. 1.25	
JREF- 1SPB487_Z01	SPACING 24.0"	



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1950 Marley Drive
Haines City, FL 33844

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WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR TRUSS FABRICATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 193 MADISON, MI 48226), AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 500 N. MICHIGAN, MI 48226) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY A78P3) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/10/16GA (4-H/5/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. ADON-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERFORMED AND RESPONSIBILITY FOR THE TRUSS COMPONENTS FABRICATING INDICATES ACCEPTABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Top chord 2x6 SP #2 :T1, T5 2x4 SP #2 Dense:
Bot chord 2x6 SP #2 :B2, B5 2x6 SP #1 Dense:
:B3 2x8 SP SS :B4 2x4 SP #2 Dense:
Webs 2x4 SP #3

1110 mph wind, 13.10 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

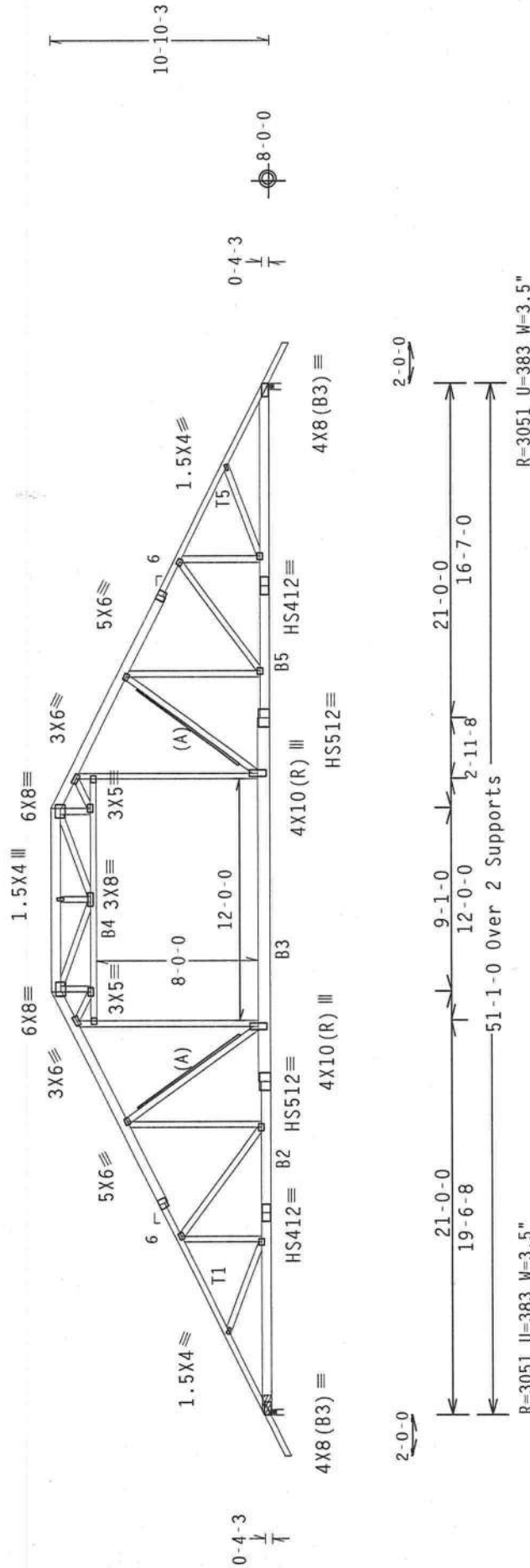
Deflection meets L/360 live and L/240 total load.

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.

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
 2 50.792' 1 12" 4 Match Truss
 Bearing block to be same size and species as bottom chord.
 Refer to drawing CMBRGLK1103 for additional information.

(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.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 19-6-8 to 31-6-8.



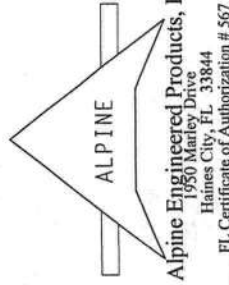
Note: All Plates Are 3X4 Except As Shown.

PLT TYP: 20 Gauge HS. Wave TPI

Scale = .125"/Ft.

WARNING THUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, INSTALLING AND BRACING. REFER TO THE FOLLOWING INFORMATION, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 983 S. RIVER RD., CHICAGO, ILL. 60605, AND THE 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. CONNECTIONS SHALL MEET ALL REQUIREMENTS OF NDS NATIONAL DESIGN SPEC., (IF APPLICABLE) AND AISC STEEL EDITION 9TH EDITION. CONNECTOR PLATES ARE AVAILABLE PER 2016/18/TRA-SSA-705. APPROXIMATELY LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. AN INSPECTION OF PLATES FOLLOWED BY (13) SHALL BE PER ANNEX 43 OF TP11-2009 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BEING SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC.-2.



FL Certificate of Authorization # 567



TC LL	20.0 PSF	REF R487-- 81082
TC DL	10.0 PSF	DATE 08/03/05
BC DL	10.0 PSF	DRW HCUSR487 05215118
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 22409
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SPB487_Z01

Top chord 2x6 SP #2 :T1, T5 2x4 SP #2 Dense;
Bot chord 2x6 SP #2 :B2, B5 2x6 SP #1 Dense;
:B3 2x8 SP SS: :B4 2x4 SP #2 Dense;
Webs 2x4 SP #3

110 mph wind, 12.60 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

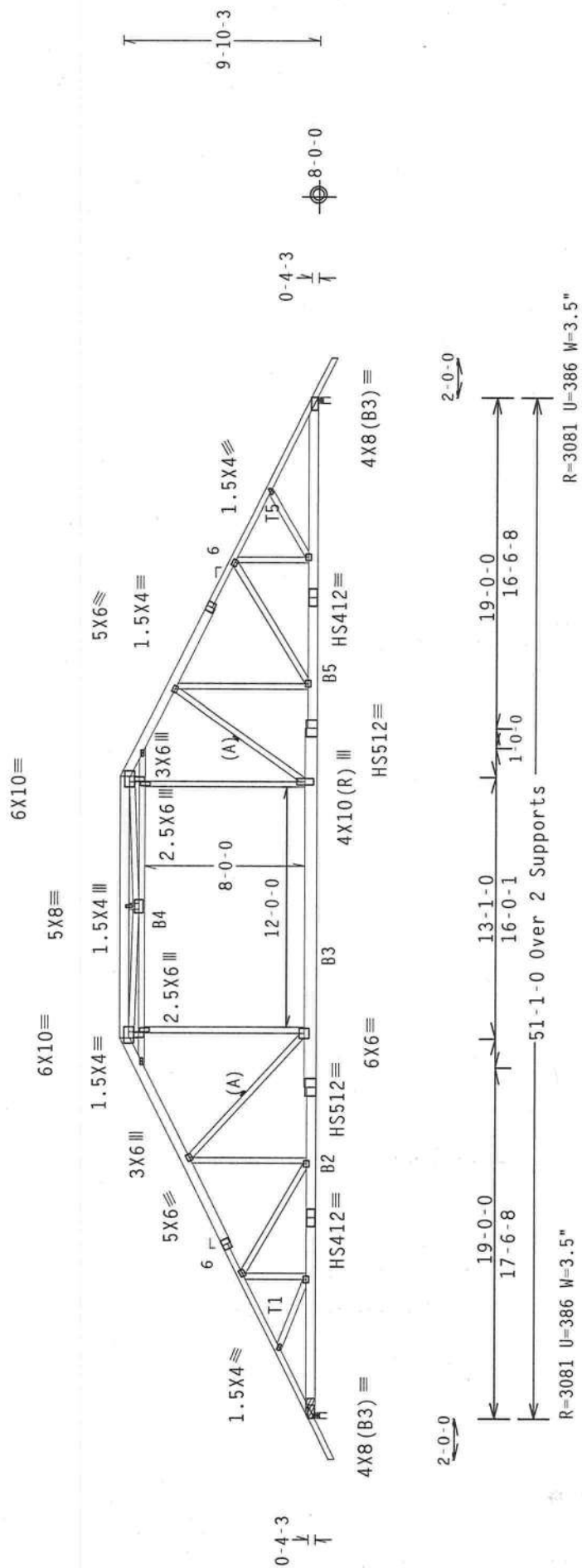
Deflection meets L/360 live and L/240 total load.

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
2 50.792' 1 12" 4 Match Truss
Bearing block to be same size and species as bottom chord.
Refer to drawing CMBRGLK1103 for additional information.

(A) Continuous lateral bracing equally spaced on member.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 19-6-8 to 31-6-8.

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.



Note: All Plates Are 3X4 Except As Shown.

PLT TYP. 20 Gauge HS, Wave TPI Design Crit: TPI-1995(STD)/FBC

7.0

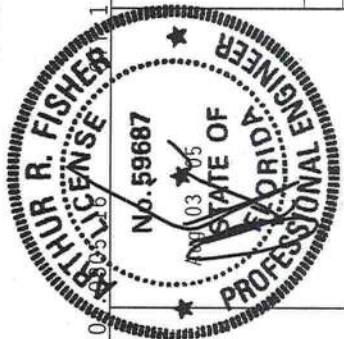
Scale = .125"/ft.

PLT TYP. 20 Gauge HS, Wave TPI		TC LL	20.0 PSF	REF	R487 --	81083
		TC DL	10.0 PSF	DATE	08/03/05	
		BC DL	10.0 PSF	DRW	HCUSR487	05215119
		BC LL	0.0 PSF	HC-ENG	JB/AF	
		TOT.LD.	40.0 PSF	SEQN	22447	
		DUR.FAC.	1.25			
		SPACING	24.0"	JREF	1SPB487_Z01	

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1950 Marley Drive
Haines City, FL 33844

FL Certificate of Authorization # 567



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE COMPLETES FABRICATION OF TRUSSES UNDER THE CLOSE PERSONAL SUPERVISION OF THE MANUFACTURING SUPERVISOR. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPI-2005, SECTION 1004.2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

:T3 2x10 SP SS:

Bot chord 2x6 SP #2 :B3 2x8 SP SS:

Webs 2x4 SP #3

110 mph wind, 13.11 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.

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

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

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

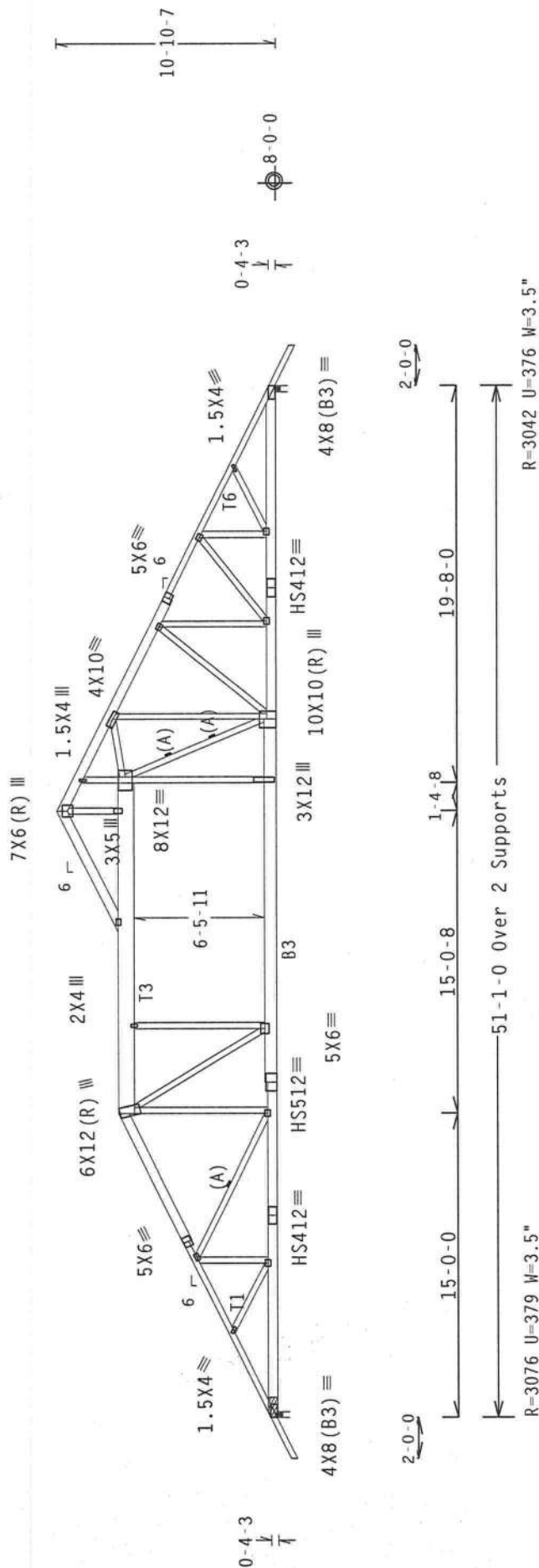
2 50.792' 1 12" 4 Match Truss

Bearing block to be same size and species as bottom chord.
Refer to drawing CNRBGLK1103 for additional information.

(A) Continuous lateral bracing equally spaced on member.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 19-6-8 to 31-5-0.

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.



Note: All Plates Are 3x4 Except As Shown.

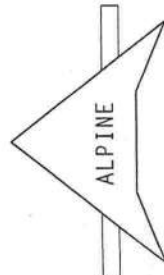
PLT TYP. 20 Gauge HS, Wave TPI Design Crit: TPI-1995 (STD) / FBC

7.0 1 FL / - / 3 / - / - / R / -

Scale = .125" / Ft.



TC LL	20.0 PSF	REF	R487 - -	81085
TC DL	10.0 PSF	DATE	08/03/05	
BC DL	10.0 PSF	DRW	HCUSR487	05215121
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	22530	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SPB487_Z01	



Alpine Engineering Products, Inc.
1930 Marley Drive
Haines City, FL 33844

FL Certificate of Authorization # 567

ALPINE ENGINEERED PRODUCTS, INC. IS THE DESIGNER OF THIS TRUSS. THE DESIGNER IS THE RESPONSIBILITY OF THE TRUSS. THE DESIGNER IS NOT RESPONSIBLE FOR THE INSTALLATION OF THE TRUSS. THE DESIGNER IS NOT RESPONSIBLE FOR THE MAINTENANCE OF THE TRUSS. THE DESIGNER IS NOT RESPONSIBLE FOR THE REPAIR OF THE TRUSS. THE DESIGNER IS NOT RESPONSIBLE FOR THE REPLACEMENT OF THE TRUSS. THE DESIGNER IS NOT RESPONSIBLE FOR THE REMOVAL OF THE TRUSS. THE DESIGNER IS NOT RESPONSIBLE FOR THE DISPOSITION OF THE TRUSS. THE DESIGNER IS NOT RESPONSIBLE FOR THE REUSE OF THE TRUSS. THE DESIGNER IS NOT RESPONSIBLE FOR THE RECYCLING OF THE TRUSS. THE DESIGNER IS NOT RESPONSIBLE FOR THE DISPOSAL OF THE TRUSS. THE DESIGNER IS NOT RESPONSIBLE FOR THE REUSE OF THE TRUSS. THE DESIGNER IS NOT RESPONSIBLE FOR THE RECYCLING OF THE TRUSS. THE DESIGNER IS NOT RESPONSIBLE FOR THE DISPOSAL OF THE TRUSS.

(5-314-TED BRYAN - B-1)

Top chord 2x6 SP #2 : T1, T5 2x4 SP #2 Dense:
Bot chord 2x6 SP #2 : B1 2x6 SP #1 Dense:
: B2, B3 2x8 SP SS:
: W10 2x6 SP #2:
: W10 2x4 SP #3 : W9 2x4 SP #2 Dense:

SPECIAL LOADS

----- (LUMBER DUR. FAC. = 1.25 / PLATE DUR. FAC. = 1.25)
TC - From 60 PLF at -2.00 to 60 PLF at 53.08
BC - From 4 PLF at -2.00 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 51.08
BC - From 4 PLF at 51.08 to 4 PLF at 53.08
TC - 96 LB Conc. Load at 7.06
BC - 447 LB Conc. Load at 7.00
BC - 179 LB Conc. Load at 9.06, 11.06, 13.06
BC - 2301 LB Conc. Load at 13.96

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

Calculated vertical deflection is 0.65" due to live load and 0.64" due to dead load at X = 15'-1-0".

(**) Plate relocated as shown.

2 COMPLETE TRUSSES REQUIRED

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

Top Chord: 1 Row @ 12.00" O.C.

Bot Chord: 1 Row @ 12.00" O.C.

Webs : 1 Row @ 4" O.C.

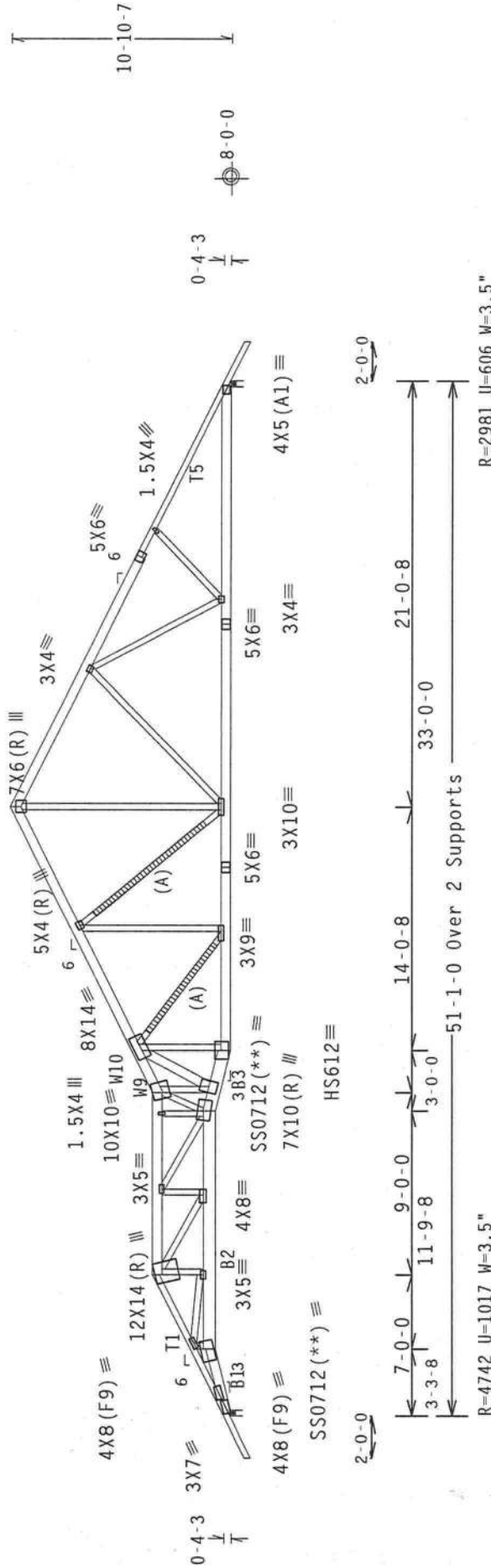
Use equal spacing between rows and stagger nails in each row to avoid splitting.

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

Calculated horizontal deflection is 0.17" due to live load and 0.17" due to dead load.

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.



PLT TYP. 20 Gauge HS, 18 Gauge HS, Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

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

Scale = .125" / Ft.

	TC LL	20.0 PSF	REF	R487 --	81086
	TC DL	10.0 PSF	DATE	08/03/05	
	BC DL	10.0 PSF	DRW	HCUSR487	05215122
	BC LL	0.0 PSF	HC-ENG	JB/AF	
	TOT.LD.	40.0 PSF	SEQN	22356	
	DUR.FAC.	1.25	JREF	1SPB487_Z01	

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1950 Marley Drive
Haines City, FL 33844

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

110 mph wind, 13.11 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.

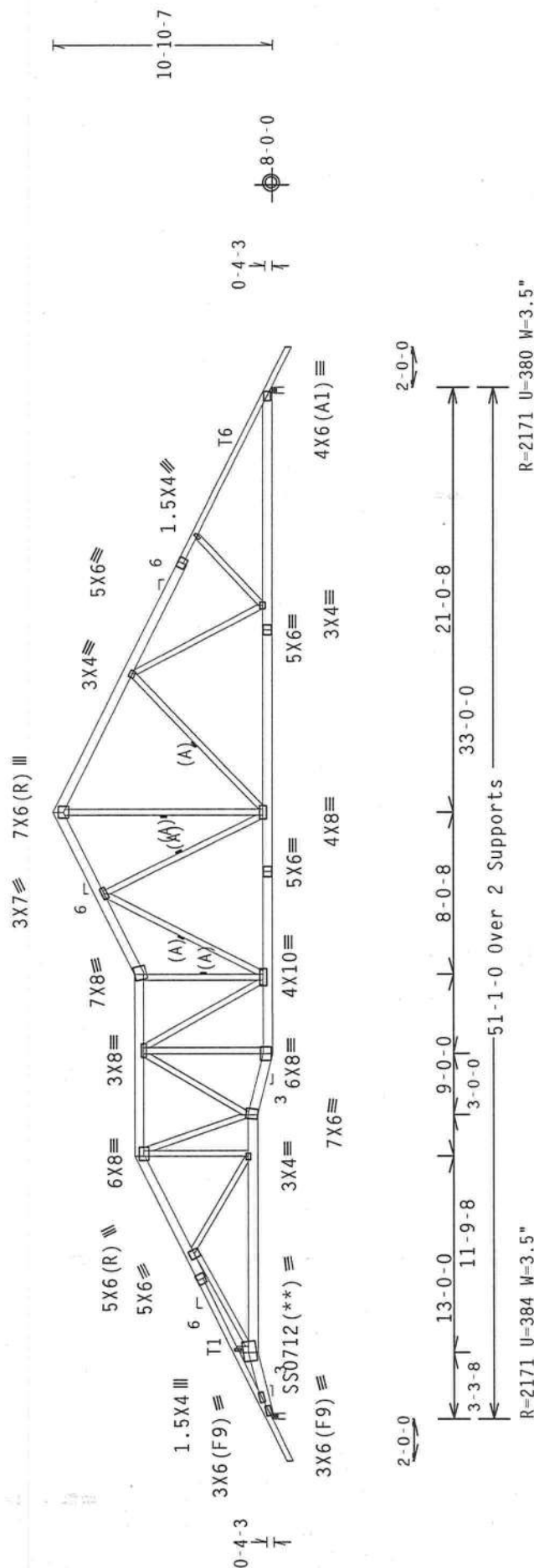
Calculated horizontal deflection is 0.14" due to live load and 0.14" due to dead load.

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

(**) Plate relocated as shown.

(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.



R=2171 H=384 W=35"

R=2171 U=380 W=3.5"

PLT TYP. 18 Gauge HS, Wave TPI

Design Crit: TPI-1995(STD)/FBC

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

Scale = .125"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, AND SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-800 (BUILDING) NUMBER 537-1919 FOR INFORMATION. THE NATIONAL TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE BLVD., MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT****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 NAPA) AND TP1. ALPINE CONNECTOR PLATES ARE MADE OF 28019166A (W/MS/PT) ASTM A563 GRADE 40/50 (1/2" W/MS/PT) STEEL. ALPINE CONNECTOR PLATES ARE AVAILABLE FOR 28019166A (W/MS/PT) ASTM A563 GRADE 40/50 (1/2" W/MS/PT) STEEL. PLATES EACH HAVE 12 HOLES. THE MAXIMUM ALLOWABLE LOAD PER HOLE IS 10,000 LBS. PER NDS 1603.2-2. THE MAXIMUM ALLOWABLE LOAD PER PLATE SHALL BE PER ANCH. DES. OF TP1-2002, SEC.3. A SEAL ON THE BUILDING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT THE BUILDING DESIGNER PER ANS/101.1 SEC. 2.



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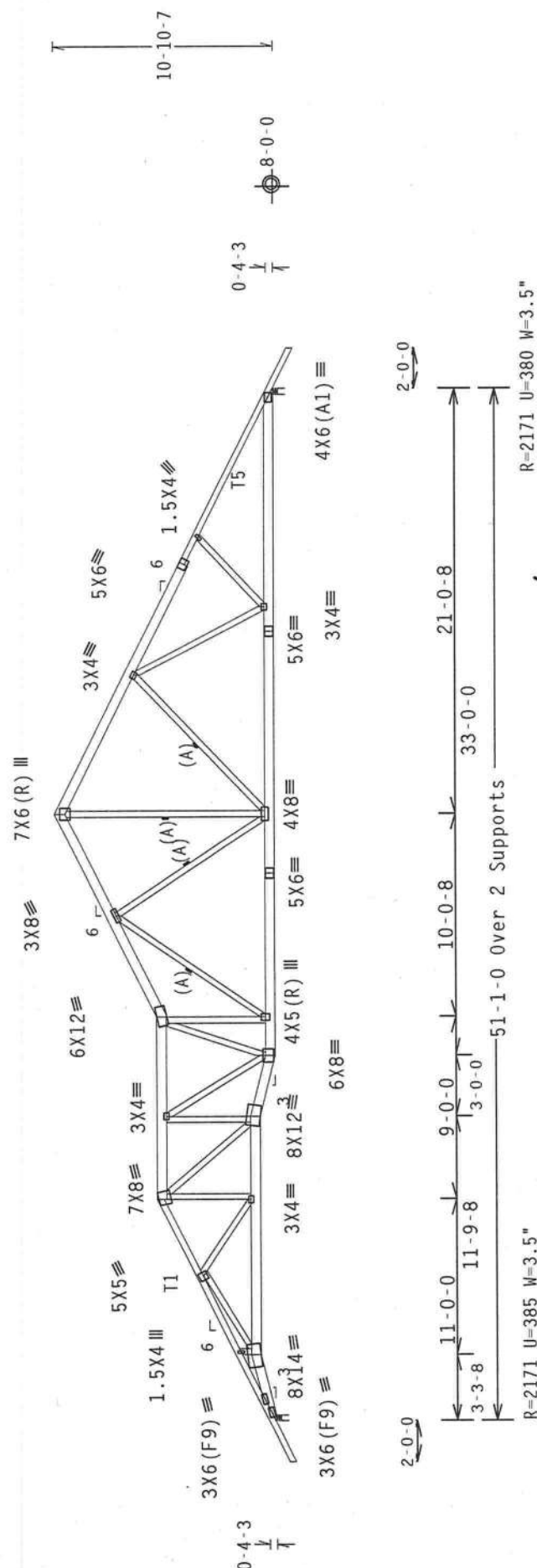
	Top chord	2x6 SP #2	:T1, T5	2x4 SP #2	Dense:
Bot chord	2x6 SP #2				
Webbs	2x4 SP #3				

1110 mph wind, 13.11 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 0.14" due to live load and 0.14" due to dead load.

(A) Continuous lateral bracing equally spaced on member.
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.



PIT TYP Wave TPI

Design Crit: TPI-1995(STD)/FBC

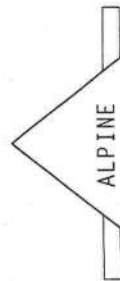
7.03

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

Scale = .125"/Ft.

[illegible]

****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 TRUSSS IN CONFORMANCE WITH TP1: OR FABRICATING, HANDLING, DESIGN SPEC. B, VERFAP AND TP1: ALPINE DESIGN CONCEPTS WITH APPLICABLE PROVISIONS OF THE AISC STEEL EDITION 1989, AISC 360-10, AISC 360-16, AISC 360-18, AISC 360-19, AISC 360-20, AISC 360-21, AISC 360-22, AISC 360-23, AISC 360-24, AISC 360-25, AISC 360-26, AISC 360-27, AISC 360-28, AISC 360-29, AISC 360-30, AISC 360-31, AISC 360-32, AISC 360-33, AISC 360-34, AISC 360-35, AISC 360-36, AISC 360-37, AISC 360-38, AISC 360-39, AISC 360-40, AISC 360-41, AISC 360-42, AISC 360-43, AISC 360-44, AISC 360-45, AISC 360-46, AISC 360-47, AISC 360-48, AISC 360-49, AISC 360-50, AISC 360-51, AISC 360-52, AISC 360-53, AISC 360-54, AISC 360-55, AISC 360-56, AISC 360-57, AISC 360-58, AISC 360-59, AISC 360-60, AISC 360-61, AISC 360-62, AISC 360-63, AISC 360-64, AISC 360-65, AISC 360-66, AISC 360-67, AISC 360-68, AISC 360-69, AISC 360-70, AISC 360-71, AISC 360-72, AISC 360-73, AISC 360-74, AISC 360-75, AISC 360-76, AISC 360-77, AISC 360-78, AISC 360-79, AISC 360-80, AISC 360-81, AISC 360-82, AISC 360-83, AISC 360-84, 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Alpine Engineered Products, Inc.
1950 Marley Drive
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TC LL	20.0 PSF	REF	R487 - -	81088
TC DL	10.0 PSF	DATE	08/03/05	
BC DL	10.0 PSF	DRW	HCUSR487	05215146
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	22322	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SPB487_Z01	

(5-314-TED BRYAN - B2)

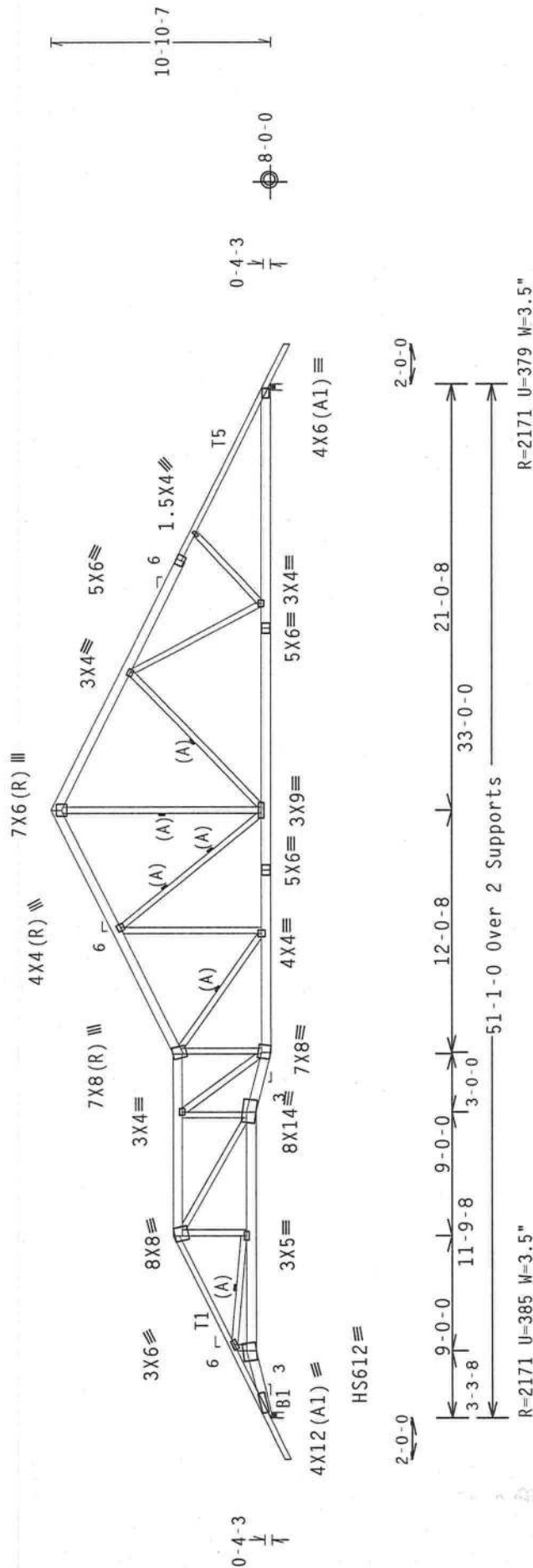
Top chord 2x6 SP #2 : T1, T5 2x4 SP #2 Dense:
Bot chord 2x6 SP #2 : B1 2x6 SP #1 Dense:
Webs 2x4 SP #3

110 mph wind, 13.11 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.

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.

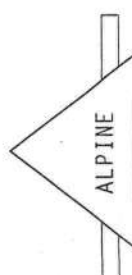
(A) Continuous lateral bracing equally spaced on member.
Deflection meets L/360 live and L/240 total load.



PLT TYP. 20 Gauge HS, Wave TPI

Design Crit: TPI-1995(STD)/FBC

Scale = .125" / Ft.



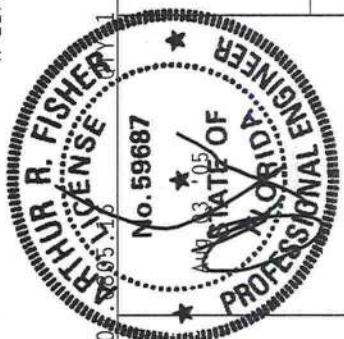
Alpine Engineering Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

ALPINE

ENGINEERED CONTRACTOR

ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (MIL-SPEC) ASTM A553 GRADE 40/60 (MIL-SPEC) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS. INSTALL TOP CHORD BRACING PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS. INSTALL RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (MIL-SPEC) ASTM A553 GRADE 40/60 (MIL-SPEC) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS. INSTALL TOP CHORD BRACING PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS. INSTALL RIGID CEILING.



TC LL	20.0 PSF	FL / - / 3 / - / - / R / -
TC DL	10.0 PSF	REF R487 - - 81089
BC DL	10.0 PSF	DATE 08/03/05
BC LL	0.0 PSF	DRW HCUSR487 05215124
TOT.LD.	40.0 PSF	HC-ENG JB/AF
DUR.FAC.	1.25	SEQN - 22331
SPACING	24.0"	JREF - 1SPB487_Z01

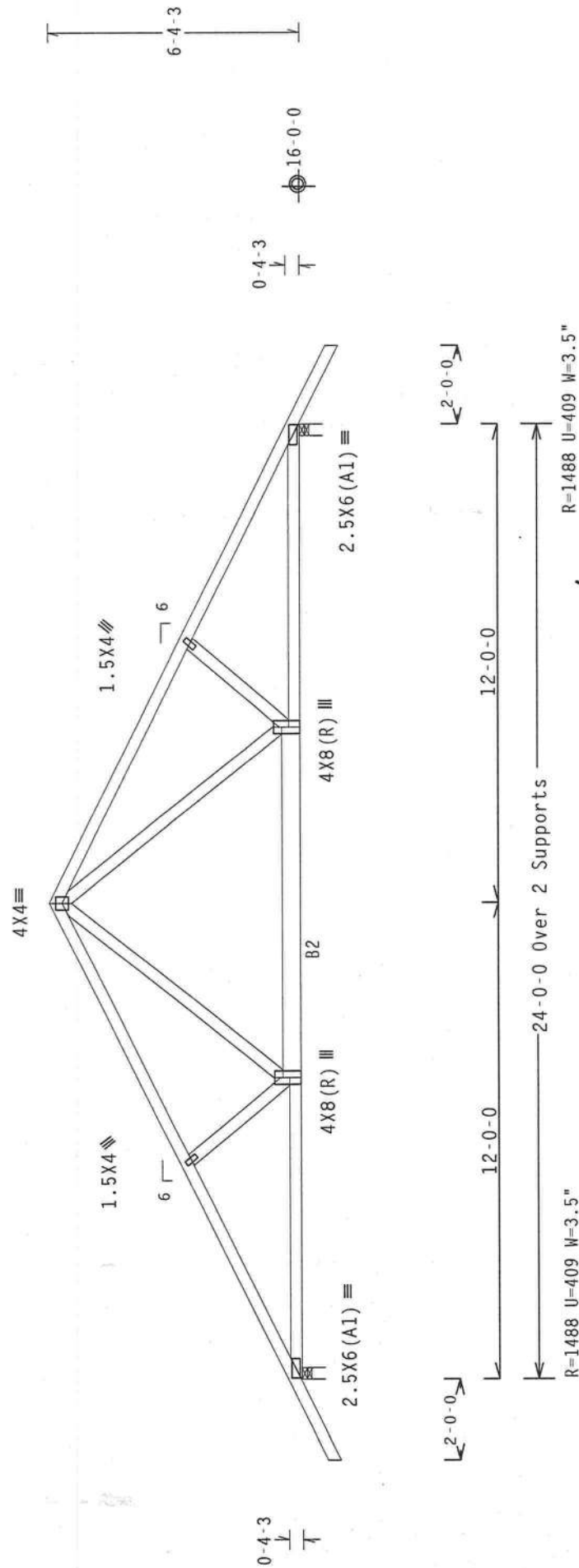
Top chord	2x4	SP #2	Dense
Bot chord	2x4	SP #2	Dense
webs	2x4	SP #3	

110 mph wind, 18.85 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.

SPECIAL LOADS

		(LUMBER)	DUR.FAC.=1.25	/	PLATE	DUR.FAC.=1.25)
TC	- From	60 PLF at -2.00	to	60 PLF at 26.00		
BC	- From	4 PLF at -2.00	to	4 PLF at 0.00		
BC	- From	20 PLF at 0.00	to	20 PLF at 8.00		
BC	- From	120 PLF at 8.00	to	120 PLF at 16.00		
BC	- From	20 PLF at 16.00	to	20 PLF at 24.00		
BC	- From	4 PLF at 24.00	to	4 PLF at 26.00		



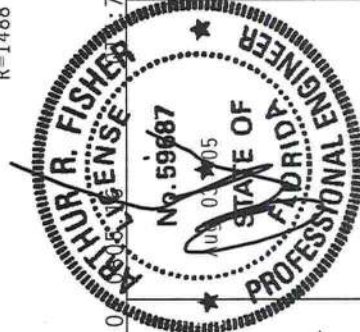
PLT TYP: Wave TPI

Design Crit: TPI-1995 (STD) / FBC

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

Scale = .25"/Ft.

TC LL	20.0 PSF	REF R487 - - 81090
TC DL	10.0 PSF	DATE 08/03/05
BC DL	10.0 PSF	DRW HCUSR487 05215125
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 22228
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SPB487_Z01



ALPINE

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

FL Certificate of Authorization # 567

(5-314-TED BRYAN - CS)

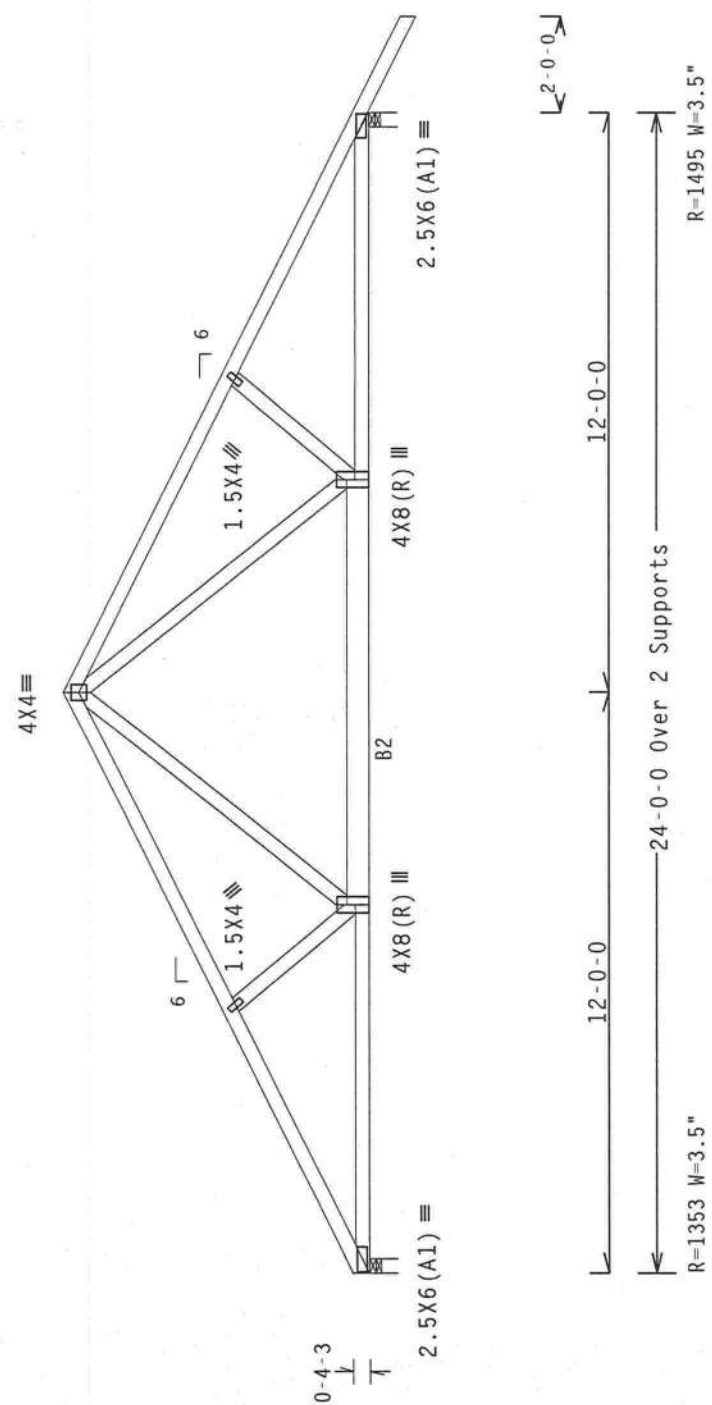
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense :B2 2x6 SP #1 Dense:
Webs 2x4 SP #3

110 mph wind, 18.85 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.

SPECIAL LOADS

TC - From	60 PLF at 0.00 to 60 PLF at 26.00
BC - From	4 PLF at -2.00 to 4 PLF at 0.00
BC - From	20 PLF at 0.00 to 20 PLF at 8.00
BC - From	120 PLF at 8.00 to 120 PLF at 16.00
BC - From	20 PLF at 16.00 to 20 PLF at 24.00
BC - From	4 PLF at 24.00 to 4 PLF at 26.00



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

Scale = .25"/Ft.

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



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1995(STD) OR ANY OTHER DESIGN SPECIFICATION SHALL BE THE RESPONSIBILITY OF THE TRUSS MANUFACTURER. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS BEING BUILT IN ACCORDANCE WITH THE DESIGN SPECIFICATION AND FOR THE TRUSS BEING SHIPPED, HANDLED, INSTALLED AND BRACED IN ACCORDANCE WITH THE DESIGN SPECIFICATION. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS BEING BUILT IN ACCORDANCE WITH THE DESIGN SPECIFICATION AND FOR THE TRUSS BEING SHIPPED, HANDLED, INSTALLED AND BRACED IN ACCORDANCE WITH THE DESIGN SPECIFICATION.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1995(STD) OR ANY OTHER DESIGN SPECIFICATION SHALL BE THE RESPONSIBILITY OF THE TRUSS MANUFACTURER. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS BEING BUILT IN ACCORDANCE WITH THE DESIGN SPECIFICATION AND FOR THE TRUSS BEING SHIPPED, HANDLED, INSTALLED AND BRACED IN ACCORDANCE WITH THE DESIGN SPECIFICATION. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS BEING BUILT IN ACCORDANCE WITH THE DESIGN SPECIFICATION AND FOR THE TRUSS BEING SHIPPED, HANDLED, INSTALLED AND BRACED IN ACCORDANCE WITH THE DESIGN SPECIFICATION.

ALPINE

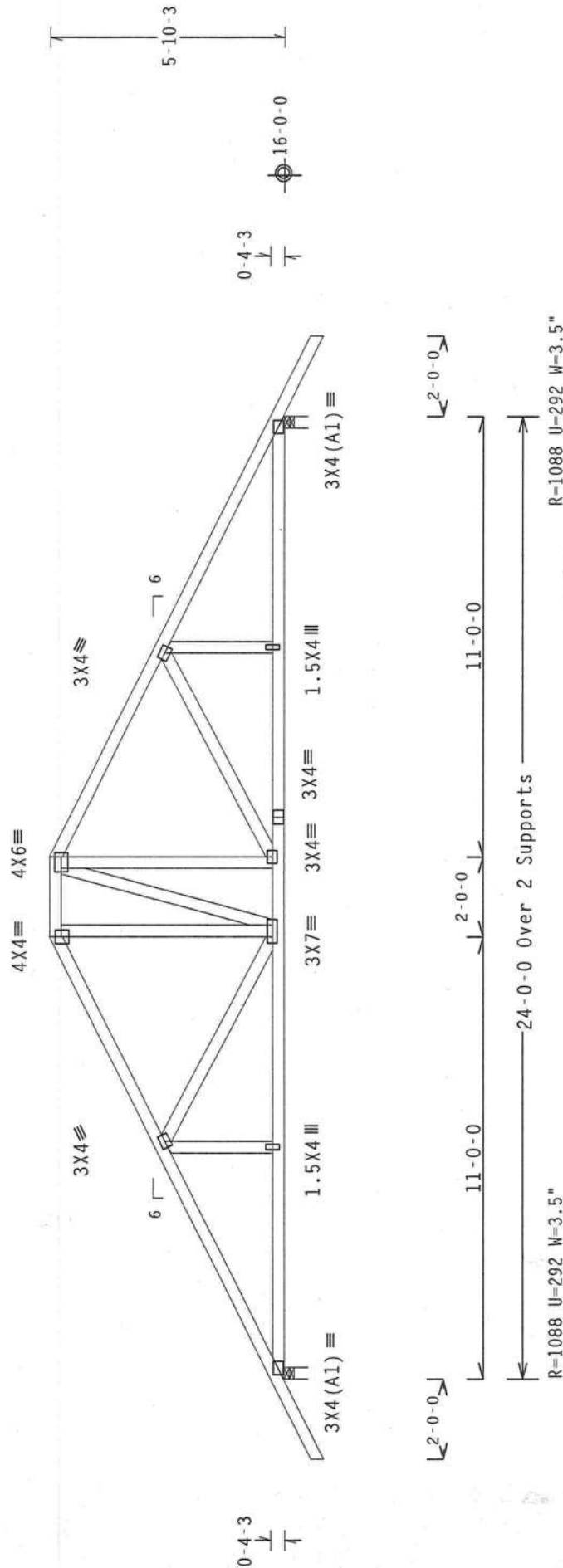
Alpine Engineered Products, Inc.
1980 Marley Drive
Haines City, FL 33844

FL Certificate of Authorization # 567

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

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

1110 mph wind, 18.60 ft mean hgt., ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.



PLT TYP. Wave TPI

Design Crit: TPI-1995 (STD)/FBC

7.04516
4571
SENSE
CR 2
FL/-13/-1/-R/-

Scale = .25"/Ft.

TC LL	20.0	PSF	REF	R487--	81092
TC DL	10.0	PSF	DATE	08/03/05	
BC DL	10.0	PSF	DRW	HCUSR487	05215092
BC LL	0.0	PSF	HC-ENG	JB/AF	*
TOT.LD.	40.0	PSF	SEGN-	21774	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1SPB487_Z01	



ALPINE

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

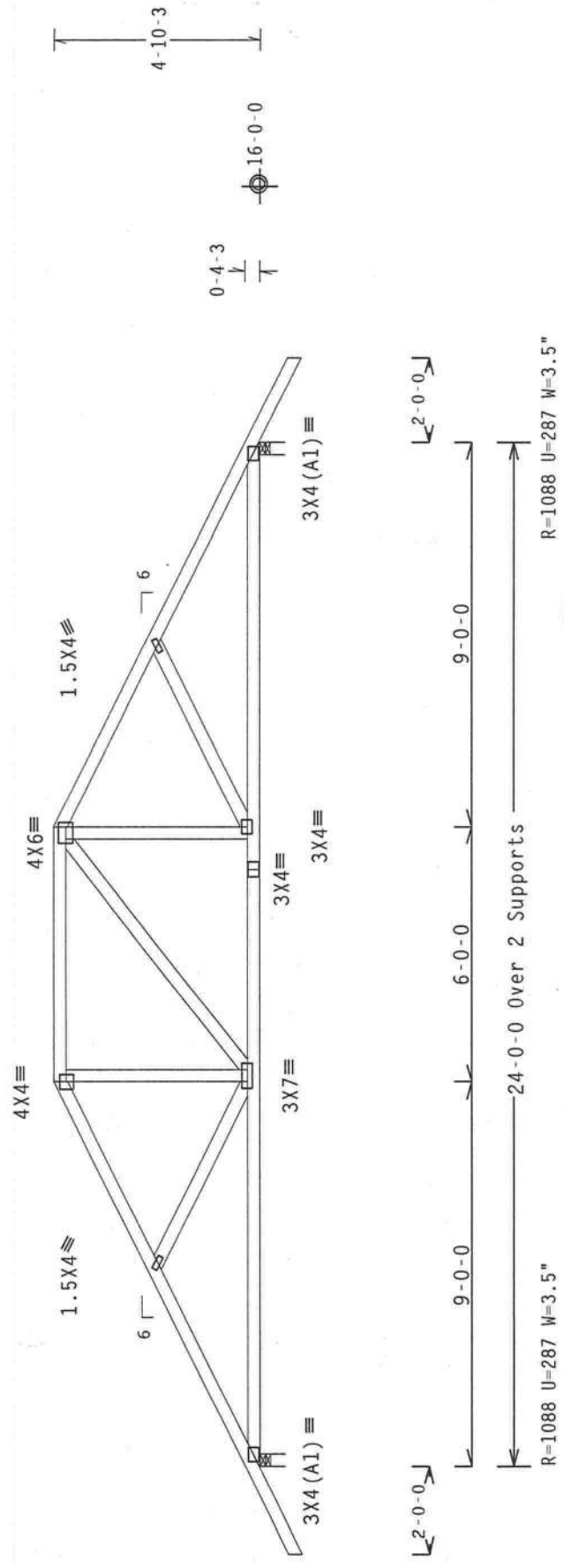
FL Certificate of Authorization # 567

(5-314-TED BRYAN - H9C)

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

110 mph wind, 18.10 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.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.0

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

Scale = .25"/Ft.

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

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.0

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

Scale = .25"/Ft.

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.0

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

Scale = .25"/Ft.

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.0

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

Scale = .25"/Ft.

TC LL	20.0 PSF	REF	R487 -- 81093
TC DL	10.0 PSF	DATE	08/03/05
BC DL	10.0 PSF	DRW	HCSR487 05215093
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	40.0 PSF	SEQN	21779
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1SPB487_Z01

ARTHUR R. FISHER
No. 59687
Aug 08 '05
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (4.14/57X) ASTM A653 GRADE 40/60 (4. K/M.S) GALV. STEEL. APPLY PLATES TO EACH FACE OF EACH TRUSS AND WEBS UNLESS OTHERWISE LOCATED OR OTHERWISE SPECIFIED. UNLESS OTHERWISE INDICATED, THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

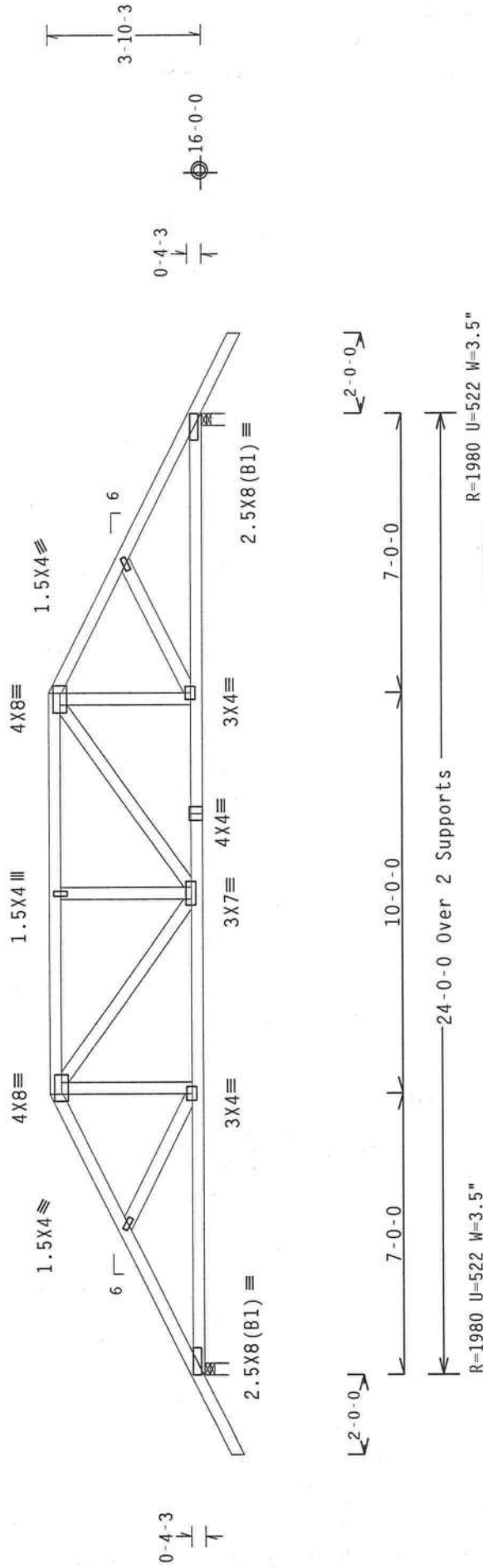
(5-314-TED BRYAN - H7C)

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

110 mph wind, 17.60 ft mean hgt, ASCE 7-98, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

#1 hip supports 7'-0" over 2 supports with no webs.

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



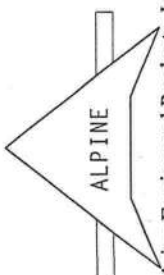
PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

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

Scale = .25" / Ft.

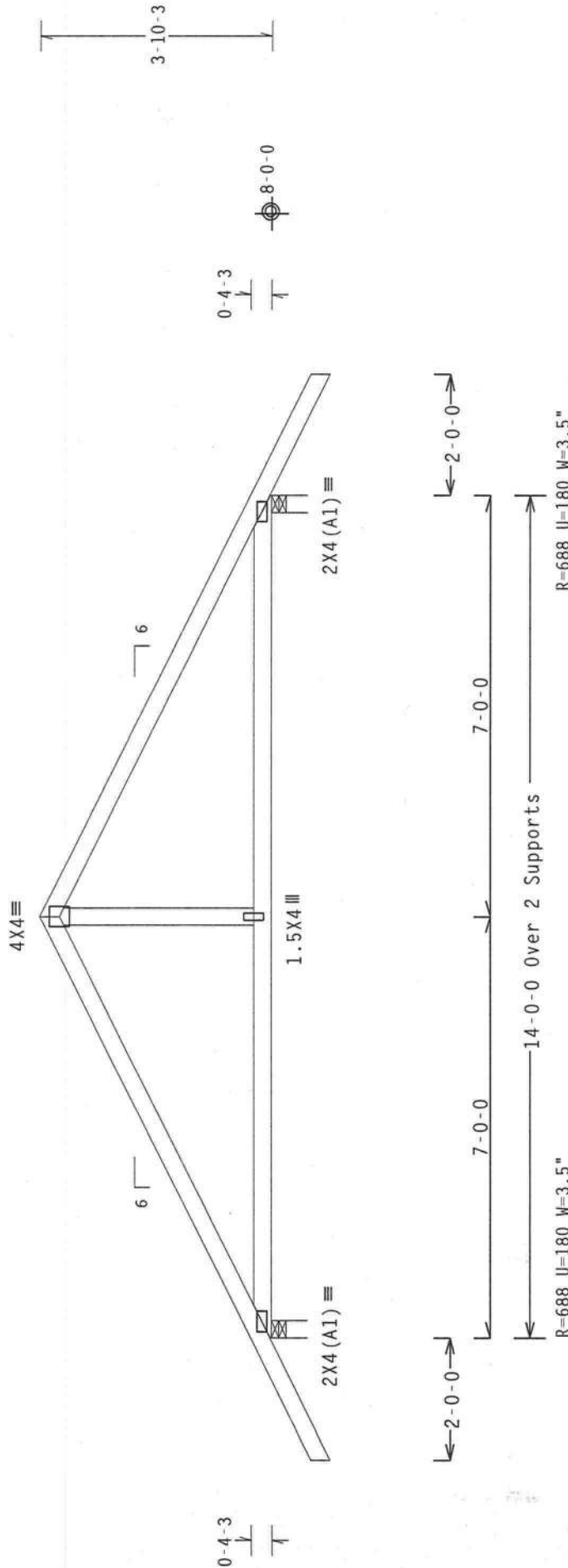
 Alpine Engineering Products, Inc. 1950 Marley Drive Haines City, FL 33844 FL Certificate of Authorization # 567	Design Crit: TPI-1995(STD)/FBC		7.04	FL / - / 3 / - / - / R / -		Scale = .25" / Ft.
	TC	LL	20.0 PSF	REF	R487 --	81094
	TC	DL	10.0 PSF	DATE	08/03/05	
	BC	DL	10.0 PSF	DRW	HCUSR487	05215127
	BC	LL	0.0 PSF	HC-ENG	JB/AF	
	TOT.LD.	40.0 PSF	SEQN	7664		
DUR.FAC.		1.25				
SPACING		24.0"				
JREF		1SPB487_Z01				

(5-314-TED BRYAN - D)

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

110 mph wind, 9.60 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere
in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



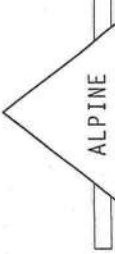
PLT TYP. Wave TPI

Design Crit: TPI-1995 (STD) / FBC

7.04

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

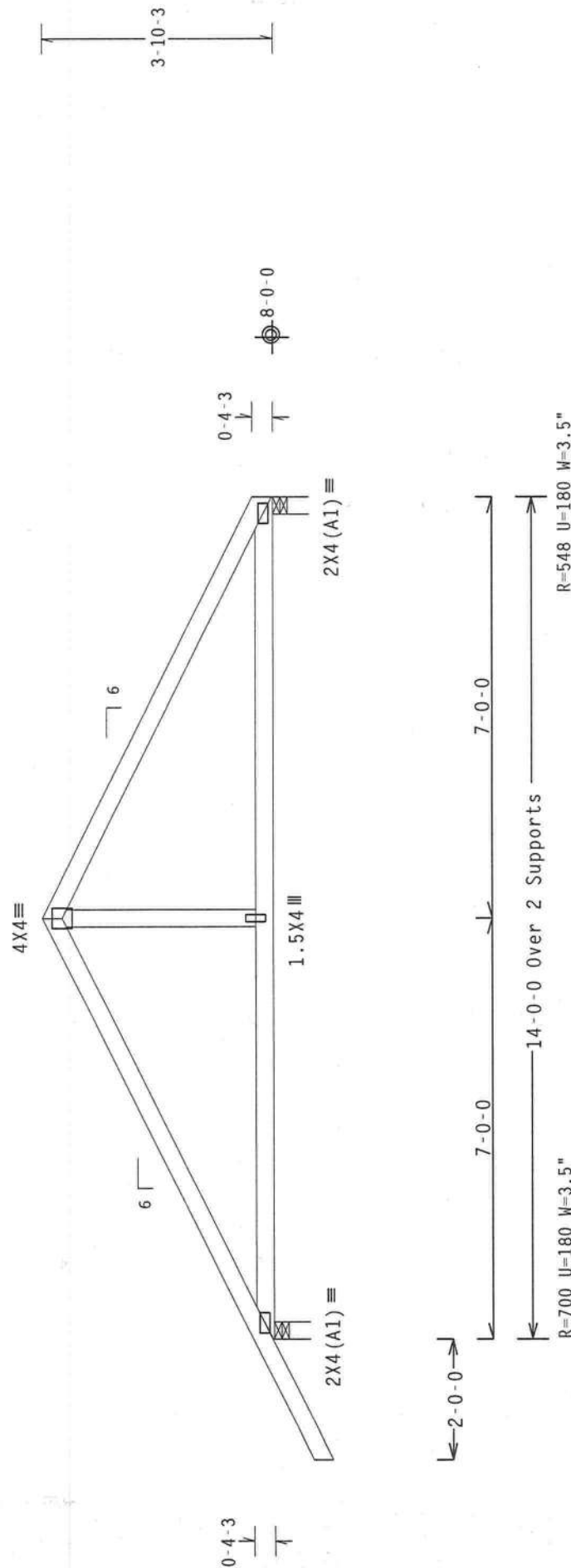
Scale = .375" / Ft.

 Alpine Engineering Products, Inc. 1950 Marley Drive Haines City, FL 33844 FL Certificate of Authorization # 567	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.		TC LL	20.0 PSF	REF	R487 --	81095
	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 TO THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.		TC DL	10.0 PSF	DATE	08/03/05	
			BC DL	10.0 PSF	DRW	HCUSR487	05215094
			BC LL	0.0 PSF	HC-ENG	JB/AF	*
			TOT.LD.	40.0 PSF	SEQN	21817	
			DUR.FAC.	1.25	SPACING	24.0"	JREF - 1SPB487_Z01

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

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

110 mph wind, 9.60 ft mean hgt., ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.



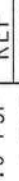
PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.0

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

Scale = .375"/Ft.



ALPINE

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

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

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

PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN.

TRUSSES IN CONFORMANCE WITH TPI: 1. BRACING OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGNER SHALL BE RESPONSIBLE FOR THE FOLLOWING: 2. BRACING OF TRUSSES. 3. BRACING OF TRUSSES. 4. BRACING OF TRUSSES. 5. BRACING OF TRUSSES. 6. BRACING OF TRUSSES. 7. BRACING OF TRUSSES. 8. BRACING OF TRUSSES. 9. BRACING OF TRUSSES. 10. BRACING OF TRUSSES. 11. BRACING OF TRUSSES. 12. BRACING OF TRUSSES. 13. BRACING OF TRUSSES. 14. BRACING OF TRUSSES. 15. BRACING OF TRUSSES. 16. BRACING OF TRUSSES. 17. BRACING OF TRUSSES. 18. BRACING OF TRUSSES. 19. BRACING OF TRUSSES. 20. BRACING OF TRUSSES. 21. BRACING OF TRUSSES. 22. BRACING OF TRUSSES. 23. BRACING OF TRUSSES. 24. BRACING OF TRUSSES. 25. BRACING OF TRUSSES. 26. BRACING OF TRUSSES. 27. BRACING OF TRUSSES. 28. BRACING OF TRUSSES. 29. BRACING OF TRUSSES. 30. BRACING OF TRUSSES. 31. BRACING OF TRUSSES. 32. BRACING OF TRUSSES. 33. BRACING OF TRUSSES. 34. BRACING OF TRUSSES. 35. BRACING OF TRUSSES. 36. BRACING OF TRUSSES. 37. 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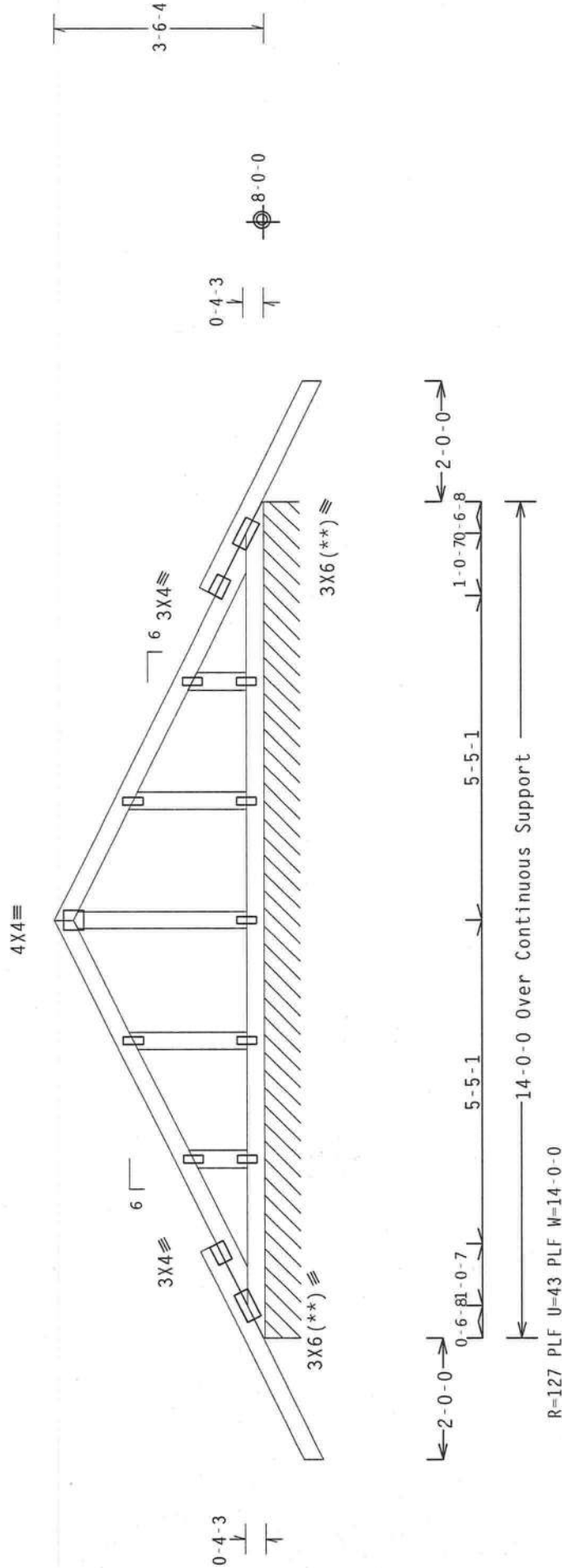
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

SPECIAL LOADS

----- (LUMBER DUR. FAC. = 1.25 / PLATE DUR. FAC. = 1.25)
TC - From 82 PLF at -2.00 to 82 PLF at 16.00
BC - From 4 PLF at -2.00 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 14.00
BC - From 4 PLF at 14.00 to 4 PLF at 16.00

(**) Plate relocated as shown.

110 mph wind, 9.43 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.
See DWGS A11015EC1103 & GBLLETIN0405 for more requirements.
Deflection meets L/360 live and L/240 total load.



Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

FL/-3/-/-R/-

Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R487 --	81097
TC DL	10.0 PSF	DATE	08/03/05	
BC DL	10.0 PSF	DRW	HCUSR487	05215128
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	7671	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SPB487_Z01	



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

ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1995(STD) OR TPI-1995(STD) INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 O'DONNELL DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1995(STD) OR TPI-1995(STD) INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 O'DONNELL 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.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX 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.

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3 :W6 2x4 SP #2 Dense:

2 COMPLETE TRUSSES REQUIRED

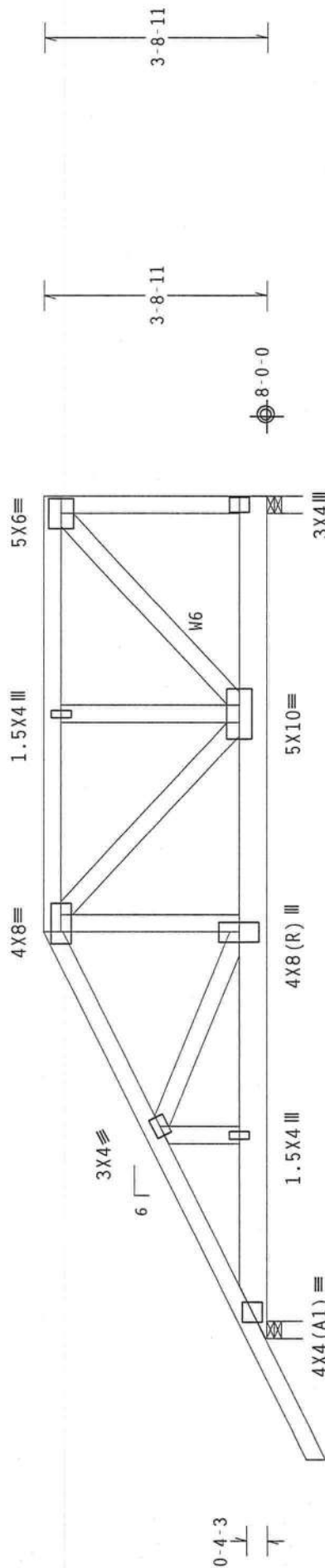
Nailing Schedule: (12d Box or Gun (0.128"x3.25", min.) nails)
 Top Chord: 1 Row @ 12.00" o.c.
 Bot Chord: 2 Rows @ 5.50" o.c. (Each Row)
 Webs : 1 Row @ 4" o.c.

SPECIAL LOADS

	(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC -	From 60 PLF at -2.00 to 60 PLF at 14.00
BC -	From 4 PLF at -2.00 to 4 PLF at 0.00
BC -	From 20 PLF at 0.00 to 20 PLF at 14.00
BC -	3054 LB Conc. Load at 7.06
BC -	1460 LB Conc. Load at 9.06, 11.06, 13.06

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

Right end vertical not exposed to wind pressure.



$\leftarrow 2-0-0 \rightarrow$
 6-9-0 14-0-0 Over 2 Supports 7-3-0
 R=3196 U=716 W=3.5" R=5487 U=1067 W=3.5"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.

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

Scale = .375"/Ft.

TC LL	20.0 PSF	REF R487 - - 81098
TC DL	10.0 PSF	DATE 08/03/05
BC DL	10.0 PSF	DRW HCUSR487 05215129
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 21937
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SPB487_Z01

No. 59687
 STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER

WARNING THROUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND DRACING. PER TO DESIGN 1. BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI THROUSS PLATE INSTITUTE, 580 DUNDORF RD., SUITE 200, MADISON, WI 53719, AND UICIA, 6300 ENTERPRISE, 1400 MADISON, WI 53719, FOR GUIDING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

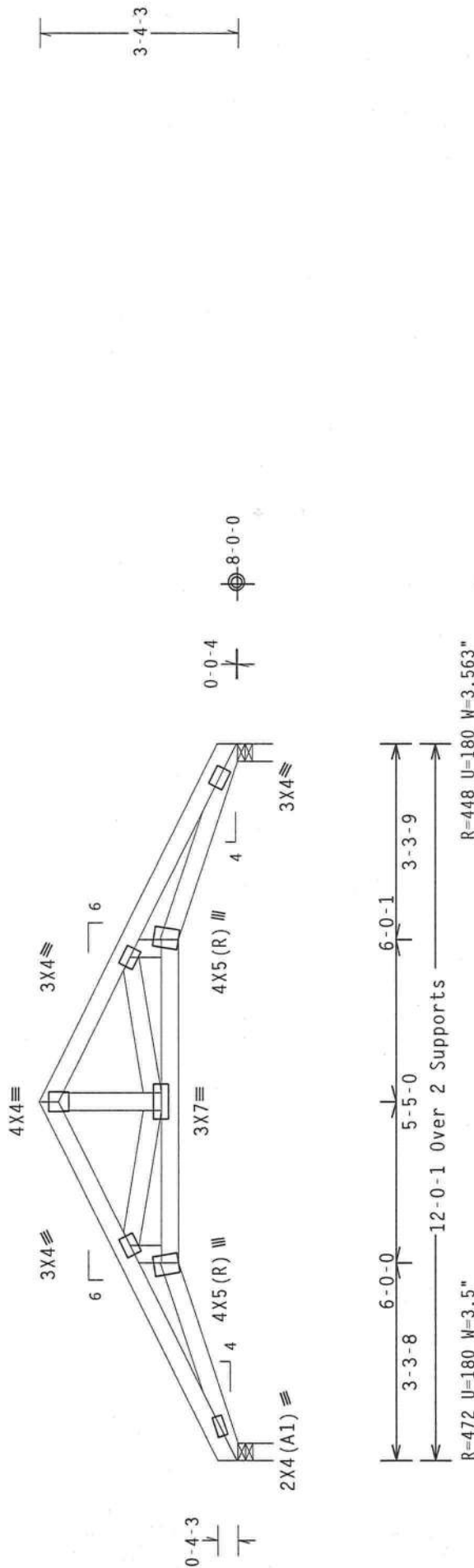
IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE THROUSS IN CONFORMANCE WITH THESE PROVISIONS OF THIS DESIGN, SHIPPING, HANDLING, INSTALLING & BRACING OF THROUSSES. DESIGN CONTRACTORS SHALL BE RESPONSIBLE FOR ALL PROVISIONS OF AISC (STEEL DESIGN SPEC, BY AISC) AND TPI STEEL DESIGN SPEC, BY TPI. ALL THROUSSES SHALL BE FABRICATED AND SHIPPED TO EACH FACE OF THROUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. AN INSPECTION OF PLATES FOLLOWED BY (13) SHALL BE PER ANEX 13 OF TPI-1-2002 SEC 3. A SEAL ON THIS DRAWING INDICATES THE SUFFICIENCY OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANEX 13 SEC. 2.



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Haines City, FL 33844
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	Top	Bot	Dense
chord	2x4	2x4	SP #2
chord	2x4	2x4	SP #2
webs	2x4	2x4	SP #3

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



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

SPACING	24.0"	JREF-1SPR487 701
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 1950 Marley Drive
 Haines City, FL 33844
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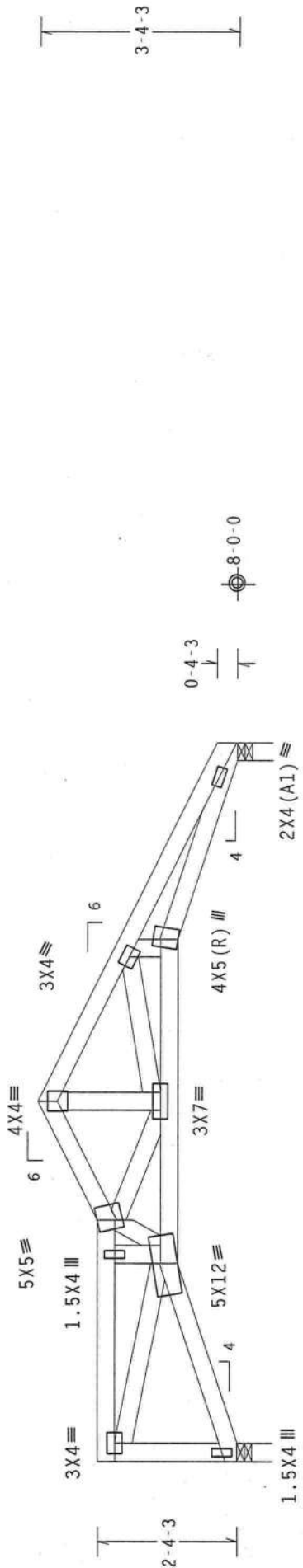
(5-314-TED BRYAN - F1)

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

110 mph wind, 9.85 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.

Left end vertical not exposed to wind pressure.

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



4-0-0 3-3-8 2-0-0 5-5-0 6-0-0 3-3-8
12-0-0 Over 2 Supports
R=468 U=180 W=3.5"
R=492 U=180 W=3.5"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.0

FL/-3/-/-R/-

Scale = .375" / Ft.

 Alpine Engineering Products, Inc. 1950 Marley Drive Haines City, FL 33844 FL Certificate of Authorization # 567	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTC (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.		REF	R487--	81100
	IMPORTANT *URNISH 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, OR PROVIDING ANY OTHER INFORMATION, SHALL BE THE RESPONSIBILITY OF THE USER. *ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, OR PROVIDING ANY OTHER INFORMATION, SHALL BE THE RESPONSIBILITY OF THE USER. *ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, OR PROVIDING ANY OTHER INFORMATION, SHALL BE THE RESPONSIBILITY OF THE USER.		DATE	08/03/05	
	ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC. 3. A SEAL ON THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.		DRW	HCUR487	05215131
			HC-ENG	JB/AF	
			SEQN	7697	
			DUR.FAC.	1.25	
		SPACING	24.0"		JREF - 1SPB487_Z01

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 0.00 to 60 PLF at 12.00
BC - From 20 PLF at 0.00 to 20 PLF at 12.00
BC - 1003 LB Conc. Load at 1.15
BC - 1004 LB Conc. Load at 3.15
BC - 1075 LB Conc. Load at 5.15, 7.15, 9.15
BC - 1077 LB Conc. Load at 11.15

End verticals not exposed to wind pressure.

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

2 COMPLETE TRUSSES REQUIRED

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

Top Chord: 1 Row @ 12.00" O.C.

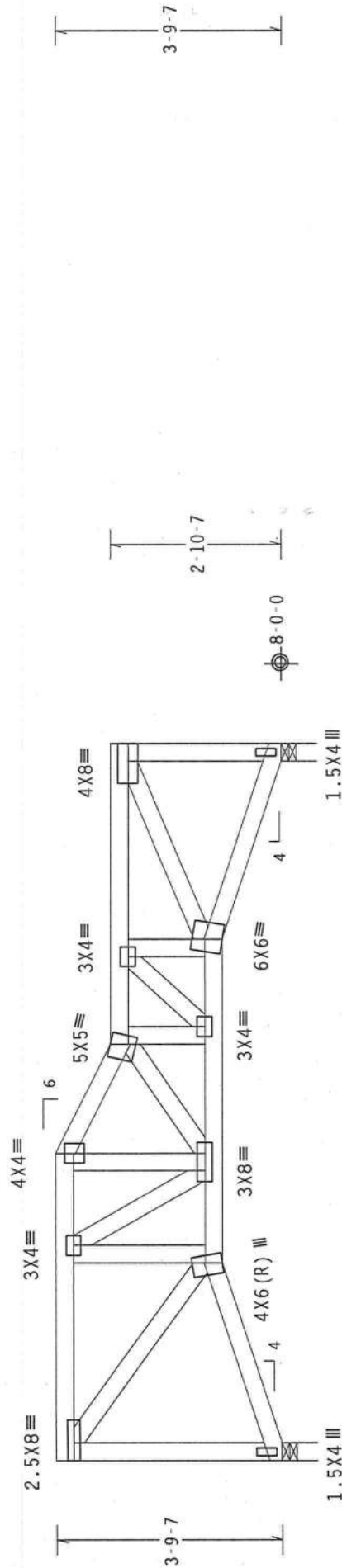
Bot Chord: 1 Row @ 2.75" O.C.

Webs: 1 Row @ 4" O.C.

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

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

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



5-1-8 3-3-8 5-5-0 5-0-8 3-3-8
12-0-0 Over 2 Supports
R=3509 U=648 W=3.5
R=3759 U=694 W=3.5

PLT TYP. Wave TPI

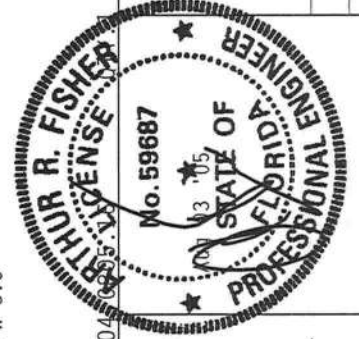
Design Crit: TPI-1995(STD)/FBC

7.04

FL/-/3/-/R/-

Scale = .375" / Ft.

TC LL	20.0 PSF	REF	R487 --	81102
TC DL	10.0 PSF	DATE	08/03/05	
BC DL	10.0 PSF	DRW	HCUR487	05215133
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	22060	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SPB487_Z01	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 DUNFORD DR., SUITE 200, FARMINGTON, CT 06031) AND WCA (WOOD CONNECTOR ASSOCIATION, 10001 WOODVIEW DR., SUITE 100, WOODVIEW, OH 44099) FOR TRUSS CONNECTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

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

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

SPECIAL LOADS

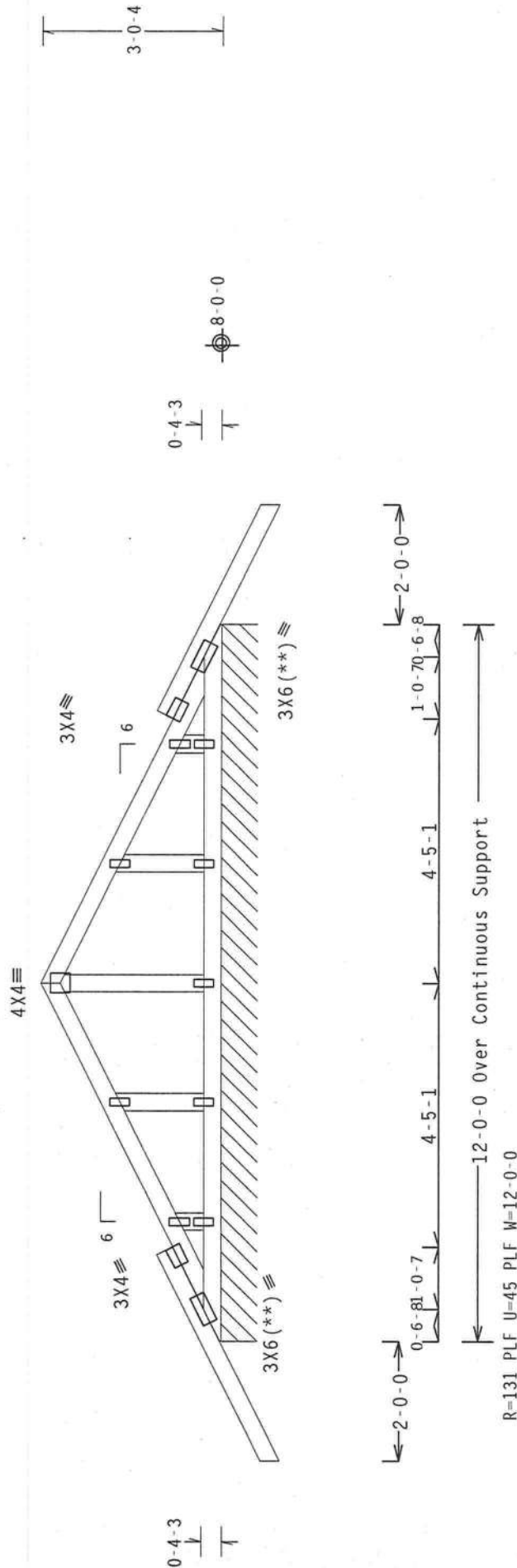
----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 82 PLF at -2.00 to 82 PLF at 14.00
BC - From 4 PLF at -2.00 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 12.00
BC - From 4 PLF at 12.00 to 4 PLF at 14.00

(**) Plate relocated as shown.

110 mph wind, 9.18 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 & GBLETTIN0405 for more requirements.

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



Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

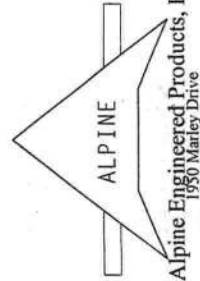
7.0

FL/-13/-1-/R/-

Scale = .375"/Ft.

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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, 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. INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS AND NATIONAL DESIGN SPEC. (AFPA) TYPE 1 STEEL. APPLY CONNECTOR 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.
1930 Marley Drive
Haines City, FL 33844

FL Certificate of Authorization # 567



TC LL	20.0 PSF	REF	R487 --	81103
TC DL	10.0 PSF	DATE	08/03/05	
BC DL	10.0 PSF	DRW	HCUR487	05215134
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	22365	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SPB487_Z01	

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

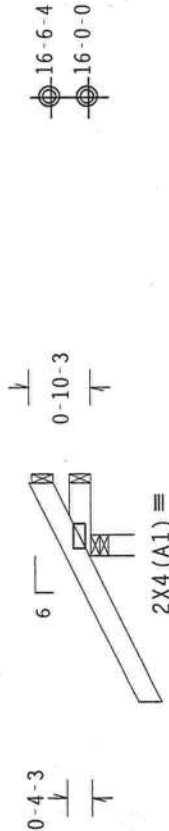
110 mph wind, 16.10 ft mean hgt, ASCE 7-98, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

* PROVIDE CONNECTION FOR 191# UP OR DOWN AT A
1.25 DURATION FACTOR.

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.

R=-191 U= *



0-10-3

R=-19 U=180



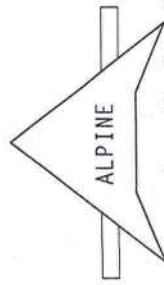
R=418 U=199 W=3.5"

PLT TYP. Wave TPI

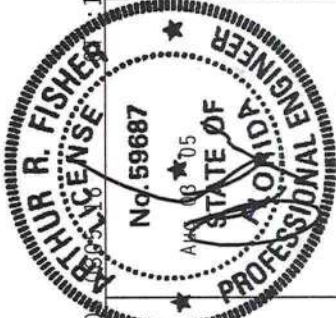
Design Crit: TPI-1995(STD)/FBC

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 1000 W. MONROE, MADISON, WI 53719) FOR SAFETY PRECAUTIONS. ALL TRUSSES MUST BE PROPERLY BRACED AND RIGID CEILING. UNLESS OTHERWISE INDICATED, ALL TRUSSES 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 AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W.H/S/K) 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 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. Z.



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1950 N. Hwy 100
Haines City, FL 33844
FL Certificate of Authorization # 567



Scale = .375" / Ft.

10	FL / - / 3 / - / - / R / -	TC LL	20.0	PSF	REF	R487 - -	81104
		TC DL	10.0	PSF	DATE	08/03/05	
		BC DL	10.0	PSF	DRW	HCUSR487	05215147
		BC LL	0.0	PSF	HC-ENG	JB/AF	
		TOT.LD.	40.0	PSF	SEQN	21783	
		DUR.FAC.	1.25				
		SPACING	24.0"		JREF	- 1SPB487_Z01	

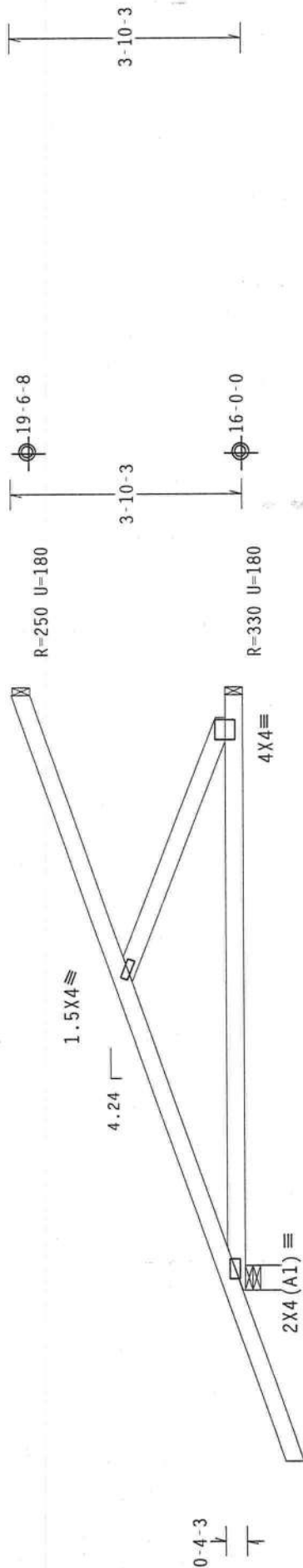
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 17.60 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.

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

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



2-9-15

9-10-13 Over 3 Supports

R=530 U=219 W=4.95"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.0

FL/-3/-/-R/-

Scale = .375"/Ft.

REF	R487--	81105
DATE	08/03/05	
DRW	HCUSR487	05215135
HC-ENG	JB/AF	
SEQN	22370	
DUR.FAC.	1.25	
SPACING	24.0"	
JREF	1SPB487_Z01	

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PFA) AND IBC (INTERNATIONAL BUILDING CODE). CONNECTOR PLATES ARE MADE BY 2016/1616GA (41/57/4) AND LOCATED ON THIS DESIGN. POSITION PER DRAWING 100A-2. PLATES TO EACH CHORD SHALL BE FOLLOWED BY (1) SHALL BE PER ANEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



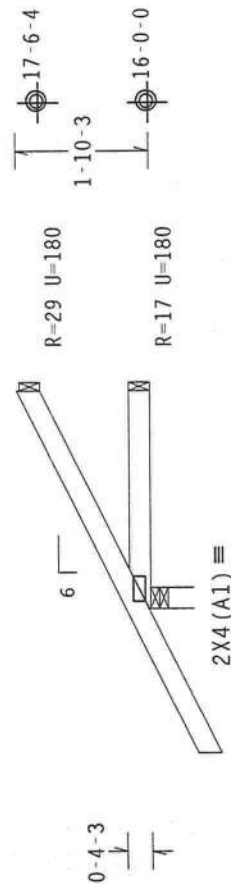
ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

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, 16.60 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=322 U=180 W=3.5"

PLT TYP. Wave TPI

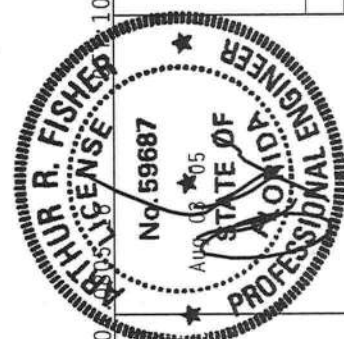
Design Crit: TPI-1995(STD)/FBC

7.0

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

Scale = .375" / Ft.

 ALPINE Alpine Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESS 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'ONOFRIO DR., SUITE 200, MADISON, MI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN MADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.		TC LL	20.0	PSF	REF	R487 --	81106
	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/AIA) AND TPI. APPLICABLE CONNECTOR PLATES ARE MADE OF 2018/16GA (4.4/57A) STEEL. THIS DESIGN IS FOR A TRUSS WITH A 16.60 FT MEAN HEIGHT. EACH TRUSS SHALL BE FOLLOWED BY (1) SHALL BE PER ANEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS PLATE SHALL BE REQUIRED. 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 DL	10.0	PSF	DATE	08/03/05	
			BC DL	10.0	PSF	DRW	HCUSR487	05215136
			BC LL	0.0	PSF	HC-ENG	JB/AF	
			TOT.LD.	40.0	PSF	SEON	21789	
			DUR.FAC.	1.25				
			SPACING	24.0"				
						JREF	1SPB487_Z01	



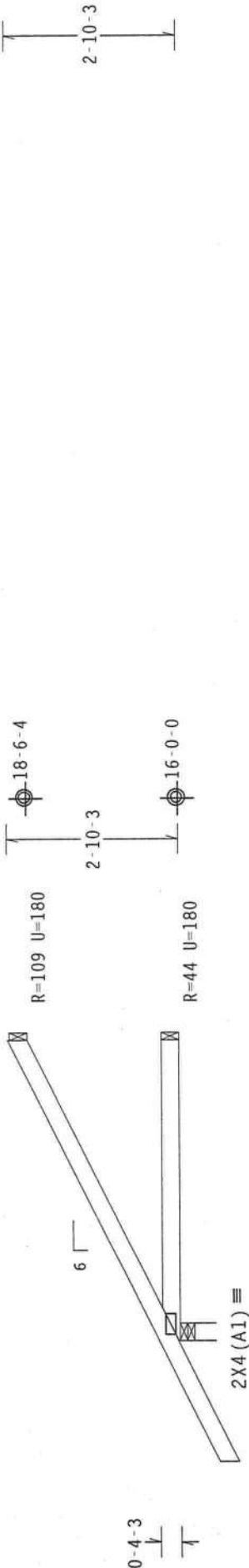
1-10-3

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, 17.10 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.



← 2-0-0 →
← 5-0-0 Over 3 Supports →
R=376 U=180 W=3.5"

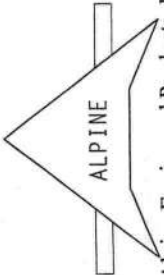
PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.0

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

Scale = .375"/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. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W, H/S/P) ASTM A553 GRADE 40/60 (W, H/P/S) GALV. STEEL. STEEL PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON TOP 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 CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W, H/S/P) ASTM A553 GRADE 40/60 (W, H/P/S) GALV. STEEL. STEEL PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON TOP CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.			
	TPI-1995(STD)/FBC			
	TPI-1995(STD)/FBC			
	TPI-1995(STD)/FBC			
	TPI-1995(STD)/FBC			
REF R487 -- 81107		TC LL	20.0 PSF	Scale = .375"/Ft.
DATE 08/03/05		TC DL	10.0 PSF	
DRW HCUSR487 05215137		BC DL	10.0 PSF	
HC-ENG JB/AF		BC LL	0.0 PSF	
SEQN - 21793		TOT.LD.	40.0 PSF	
DUR.FAC. 1.25		DUR.FAC.	1.25	
SPACING 24.0"		SPACING	24.0"	
JREF - 1SPB487_Z01				

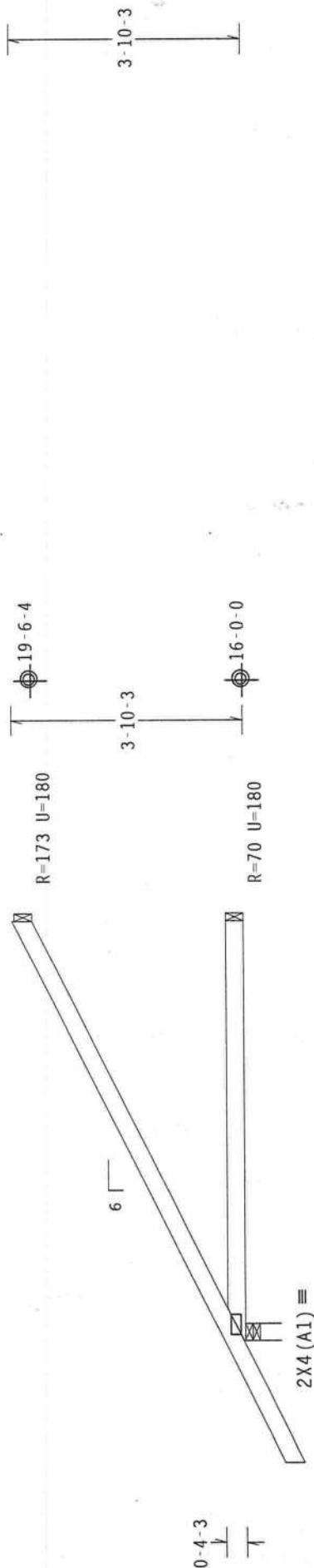


Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

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

110 mph wind, 17.60 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.



← 2'-0'-0 →

← 7'-0'-0 Over 3 Supports →

R=445 U=180 W=3.5"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.0

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

Scale = .375" / Ft.

REF	R487 --	81108
DATE	08/03/05	
DRW	HCUSR487	05215138
HC-ENG	JB/AF	
SEQN	21797	
TOT.LD.	40.0 PSF	
DUR.FAC.	1.25	
SPACING	24.0"	

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 L-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, MI 48219) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN MADISON, MI 48219) 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 APA) AND TP-2002. ALPINE CONNECTOR PLATES ARE MADE OF 2017/1616 (H/5/7A) STEEL. THIS DESIGN IS FOR THE POSITION PER DRAWINGS 1004-2. PLATES TO EACH FACE OF THE TRUSS SHALL BE PER ANEX 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.



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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, 8.10 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.

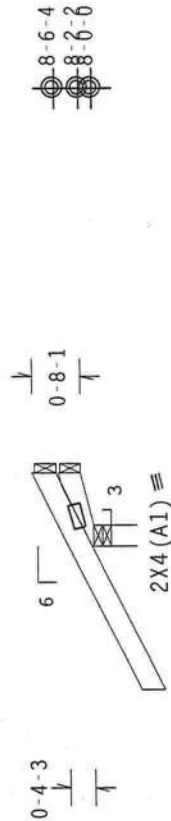
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

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

Shim all supports to solid bearing.

* PROVIDE CONNECTION FOR 191# UP OR DOWN AT A
1.25 DURATION FACTOR.

R=191 U= *

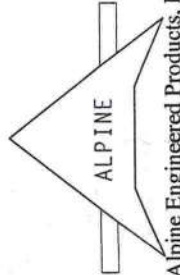


R=19 U=180

←2-0-0→
1-0-0 over 3 Supports

R=418 U=180 W=3.5"

PLT TYP. Wave TPI



Alpine Engineered Products, Inc.
1950 Haines 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. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTALLATION), D-000100 DR., SUITE 200, MADISON, WI 53719, AND WPCA (WOOD PLATE CONNECTIONS), PUBLISHED BY TPI (TRUSS PLATE INSTALLATION), D-000100 DR., SUITE 200, MADISON, WI 53719 FOR SAFETY PRACTICES REGARDING THESE CONNECTIONS. UNLESS OTHERWISE INDICATED, TOP CHORDS 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 AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W, H/5/S) ASTM A653 GRADE 40/60 (W, E/H/5) 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 SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

7.0



Scale = .375" / Ft.

TC LL	20.0 PSF	FL / - / 3 / - / - / R / -	REF R487 - - 81109
TC DL	10.0 PSF		DATE 08/03/05
BC DL	10.0 PSF		DRW HCUSR487 05215139
BC LL	0.0 PSF		HC-ENG JB/AF
TOT.LD.	40.0 PSF		SEQN- 22244
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1SPB487_Z01

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, 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.

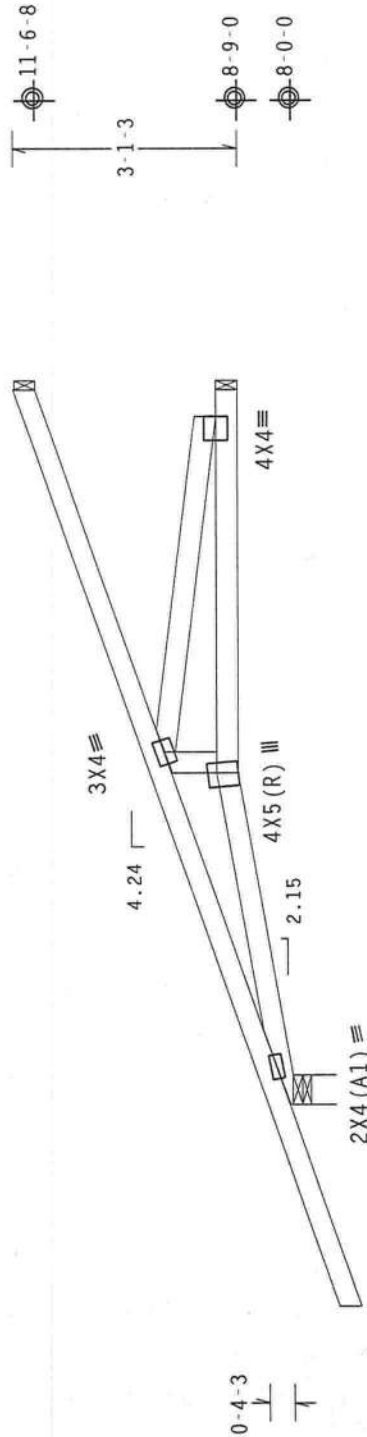
Shim all supports to solid bearing.

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

R=279 U=180

R=303 U=180



2-9-3

4-7-2

5-3-11

9-10-13 Over 3 Supports

R=523 U=215 W=4.95"

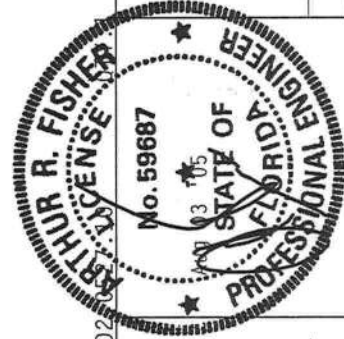
PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.02

Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R487 -- 81110
TC DL	10.0 PSF	DATE	08/03/05
BC DL	10.0 PSF	DRW	HCUSR487 05215140
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN	107983 REV
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1SPB487_Z01



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'ONOFRIO DR., SUITE 200, MADISON, MI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE 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/TIGRA (0.415/PA) ASTM A553 BRIDGE JOINT (N. 6/PL-3) GALV. ALPINE CONNECTOR PLATES EACH FACE OF TRUSS JOINTS SHALL BE PER ANNEK 53 OF TPI-2002 SEC. 3. A SEAL ON THIS PREPARING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

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Haines City, FL 33844

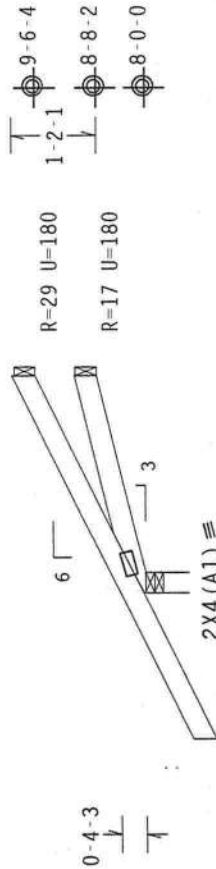
FL Certificate of Authorization # 567

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

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

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.

Shim all supports to solid bearing.



2-0-0

3-0-0
3-0-0 Over 3 Supports
R=322 U=180 W=3.5"

PLT TYP. Wave TPI

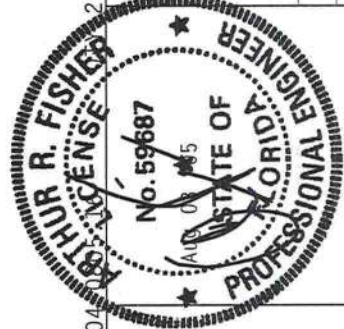
Design Crit: TPI-1995(STD)/FBC

7.04

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

Scale =.375"/Ft.

TC LL	20.0 PSF	REF	R487-- 81111
TC DL	10.0 PSF	DATE	08/03/05
BC DL	10.0 PSF	DRW	HCUSR487 05215141
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN	22250
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1SPB487_Z01



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 983 D-ONOFRI DR., SUITE 200, MADISON, WI 53719) AND WICKA (WOOD TRUSS COUNCIL OF AMERICA, 6000 WOODHURST BLVD., MADISON, WI 53719) FOR SAFETY PRACTICES. THE FOLLOWING INFORMATION IS FOR THE DESIGNER'S INFORMATION ONLY. THE DESIGNER SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W, H/5/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.

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1980 Maricopa Drive
Haines City, FL 33844

FL Certificate of Authorization # 567

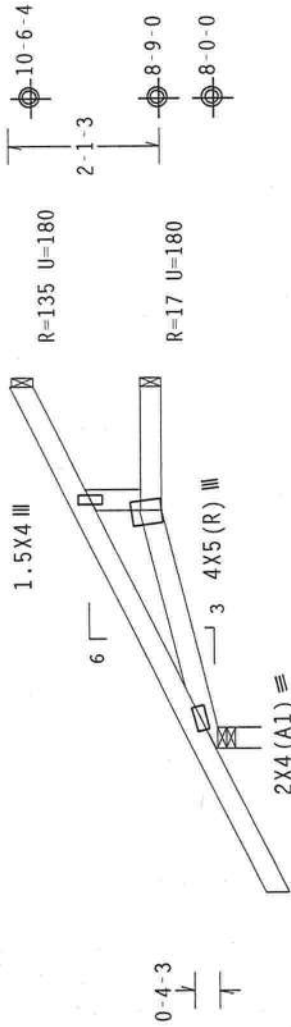
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

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, 9.10 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.

Shim all supports to solid bearing.



2-0-0

3-3-8
5-0-0 Over 3 Supports
R=376 U=180 W=3.5"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

2

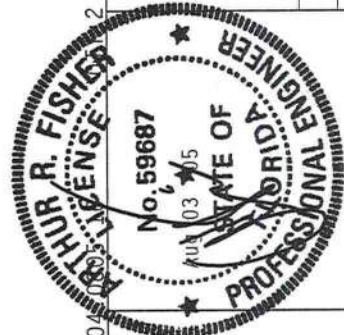
FL/-/3/-/R/-

Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R487--	81112
TC DL	10.0 PSF	DATE	08/03/05	
BC DL	10.0 PSF	DRW	HCUSR487	05215096
BC LL	0.0 PSF	HC-ENG	JB/AF	*
TOT.LD.	40.0 PSF	SEQN	22255	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SPB487_Z01	

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP 1 (RIGID) AND BCSP 2 (NON-RIGID) FOR ADDITIONAL INFORMATION. PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 503 MADISON, MI 48061-1500. MADISON, MI 48061-1500. TPI TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, MI 48061-1500. 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 (N/H/S/A) ASTM A653 GRADE 40/60 (4. K/H/S) GALV. STEEL. APPL. 2. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, SECURE FOR PER IN SEAM OR THIS. ANY INSPECTION OF PLATES FOLLOWED BY (1) VISUAL INSPECTION OF THE TRUSS FOR PROPER INSTALLATION AND BRACING 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

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1950 Marley Drive
Haines City, FL 33844

FL Certificate of Authorization # 567

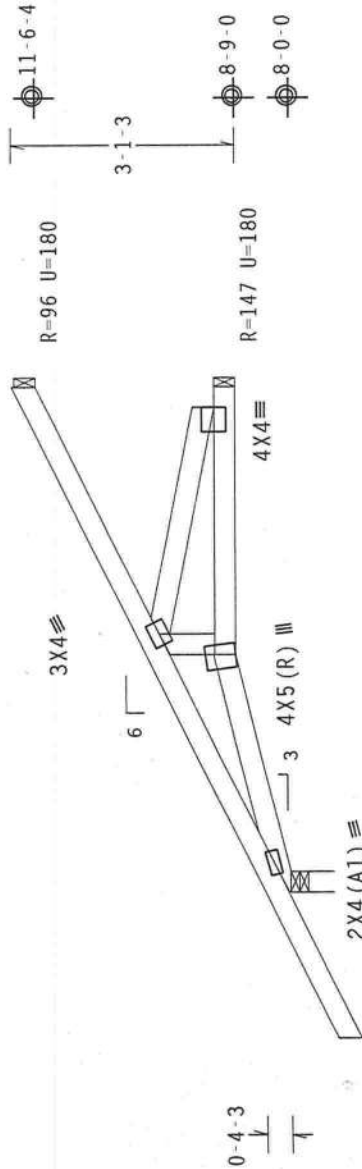
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

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, 9.60 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.

Shim all supports to solid bearing.



← 2-0-0 →

3-3-8 3-8-8
7-0-0 Over 3 Supports
R=445 U=180 W=3.5"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.0

FL/-3/-/-R/-

Scale = .375" / 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 RCSS 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFIO DR., SUITE 200, MADISON, MI 53719) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.		TC LL	20.0 PSF	REF	R487 - -	81113
	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 AISC (NATIONAL INSTITUTE OF STEEL CONSTRUCTION, INC. 500 N. MICHIGAN, SUITE 1700, CHICAGO, IL 60610) AND AISC (NATIONAL INSTITUTE OF STEEL CONSTRUCTION, INC. 500 N. MICHIGAN, SUITE 1700, CHICAGO, IL 60610) ONLY. APPLY TO EACH JOINT OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC-3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.		TC DL	10.0 PSF	DATE	08/03/05	
			BC DL	10.0 PSF	DRW	HCUSR487	05215097
			BC LL	0.0 PSF	HC-ENG	JB/AF	*
			TOT.LD.	40.0 PSF	SEQN	-	22260
			DUR.FAC.	1.25			
			SPACING	24.0"	JREF	-	1SPB487_Z01

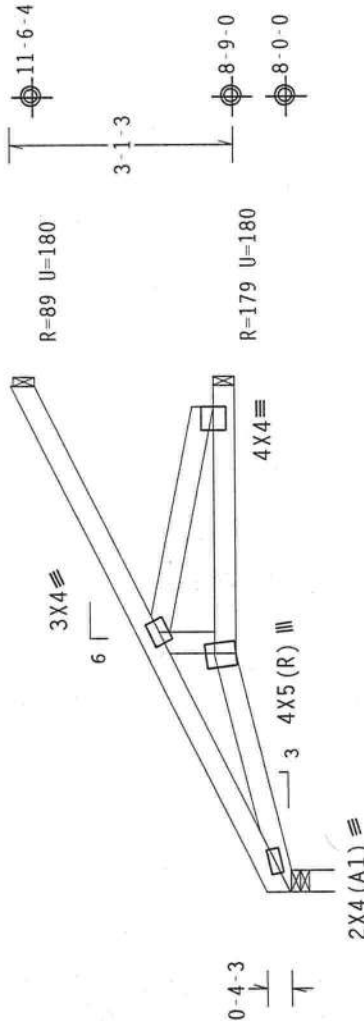
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

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

110 mph wind, 10.10 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.

Shim all supports to solid bearing.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.0

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

Scale = .375" / Ft.

Professional Engineer Seal for Arthur R. Fisher, No. 59687, State of Florida, License No. 03/15.

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 - -	81114
DATE	08/03/05	
DRW	HCUSR487	05215142
HC-ENG	JB/AF	
SEQN	22268	
JREF	1SPB487_Z01	

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 L-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'ONOFRIO DR., SUITE 200, MADISON, MI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE 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) AND TPI STEEL CONNECTOR PLATES ARE MADE OF 2018/1604 (4-11/5/04) ATTACHED TO THIS DESIGN. POSITION PER DRAWINGS 1004-2. PLATES TO EACH FACE OF TRUSS SHALL BE PER ANEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE logo and contact information: Alpine Engineered Products, Inc., 1950 Marley Drive, Haines City, FL 33844. FL Certificate of Authorization # 567.

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2 :B2 2x6 SP #1 Dense:
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 7.00
BC - From 20 PLF at 0.00 to 20 PLF at 7.00
BC - 1468 LB Conc. Load at 1.40
BC - 1464 LB Conc. Load at 3.40, 5.40

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

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

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: 2 Rows @ 4.50" o.c. (Each Row)

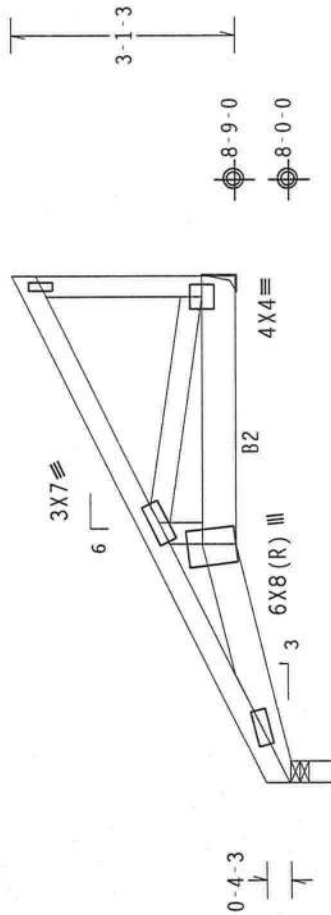
Webs : 1 Row @ 4" o.c.

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

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

1.5X4 III



2.5X6 (A1) =

3-3-8 3-8-8
7-0-0 Over 2 Supports

R=2655 U=500 W=3.5"

R=2301 U=434 H=Simpson HHUS26-2
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Design Crit: TPI-1995(STD)/FBC

PLT TYP. Wave TPI

7.0

Scale = .375" / Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR TRUSS CONSTRUCTION. 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 NDS (NATIONAL DESIGN SPEC. BY AF&PA) 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 100A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER AS OF 11/11/2002, SEC. 3. FOR THE TRUSSES, BEAMING INDICATES THE LOCATION OF PROPOSED WALLS. ENGINEERING RESPONSIBILITY FOR THE TRUSSES, BEAMING AND 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 TRUSSES IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W.H/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 100A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER AS OF 11/11/2002, SEC. 3. FOR THE TRUSSES, BEAMING INDICATES THE LOCATION OF PROPOSED WALLS. ENGINEERING RESPONSIBILITY FOR THE TRUSSES, BEAMING AND BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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



TC LL	20.0 PSF	REF	R487--	81115
TC DL	10.0 PSF	DATE	08/03/05	
BC DL	10.0 PSF	DRW	HCUSR487	05215143
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	22299	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SPB487_201	

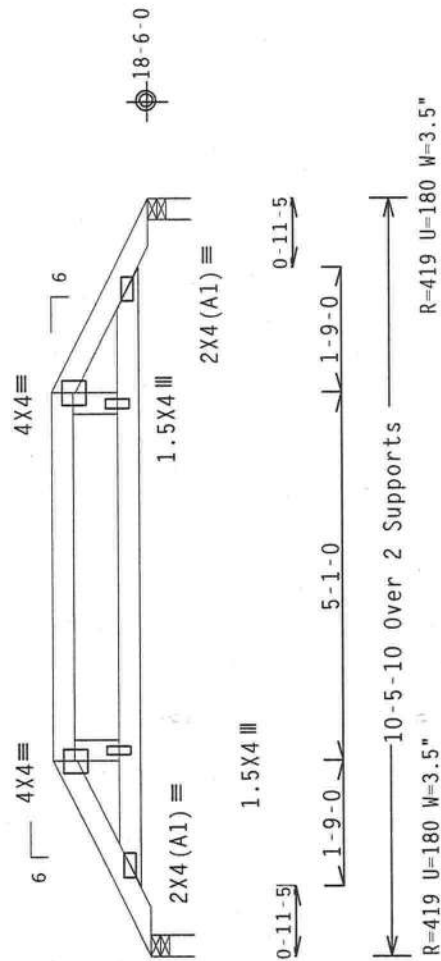
(5-314-TED BRYAN - B9P)

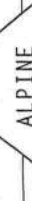
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

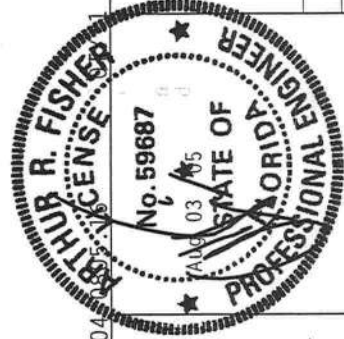
Deflection meets L/360 live and L/240 total load.

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

110 mph wind, 19.17 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.



PLT TYP. Wave TPI  ALPINE Alpine Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844 FL Certificate of Authorization # 567	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 BECS 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE NOTED, 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 THESE SPECIFICATIONS. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS, INCLUDING SHIPPING, INSTALLING AND BRACING OF TRUSSES, SHALL BE THE RESPONSIBILITY OF THE INSTALLER. ANY FAILURE TO FOLLOW THE SPECIFICATIONS, INCLUDING SHIPPING, INSTALLING AND BRACING OF TRUSSES, SHALL BE THE RESPONSIBILITY OF THE INSTALLER.					
	ALPINE CONNECTOR PLATES ARE MADE OF 2018/1606A (W/AL/SI) ASTM A563 GRADE 40/60 (W/ K/H SI) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX 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.					
	PROFESSIONAL ENGINEER STATE OF FLORIDA No. 59687 6/03/05					
TC LL		20.0 PSF	REF		R487 --	81116
TC DL		10.0 PSF	DATE		08/03/05	
BC DL		10.0 PSF	DRW		HCUSR487	05215144
BC LL		0.0 PSF	HC-ENG		JB/AF	
TOT.LD.		40.0 PSF	SEQN		22151	
DUR.FAC.		1.25				
SPACING		24.0"	JREF		1SP8487_Z01	



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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING OR BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE INTERNATIONAL BUILDING CODES (IBC) AND THE ALPINE CODES FOR 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 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 Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

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.

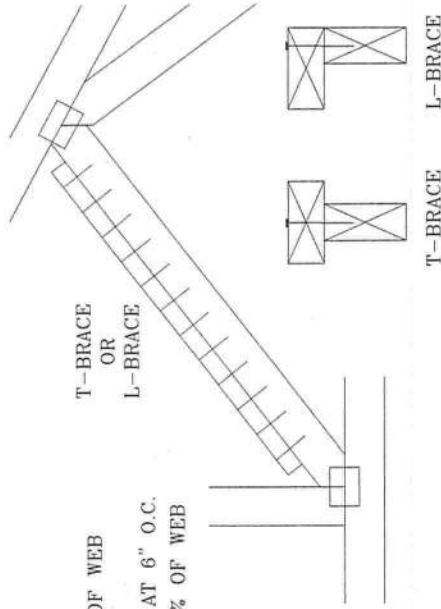
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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:

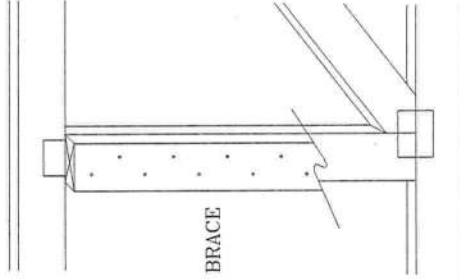
APPLY TO EITHER SIDE OF WEB
NARROW FACE
ATTACH WITH 16d NAILS AT 6" O.C.
BRACE IS A MINIMUM 80% OF WEB
MEMBER LENGTH



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



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

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ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	11/26/03
BC DL	PSF	DRWG	BRLCLBSUB1103
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

BEARING BLOCK NAIL SPACING DETAIL

MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN.

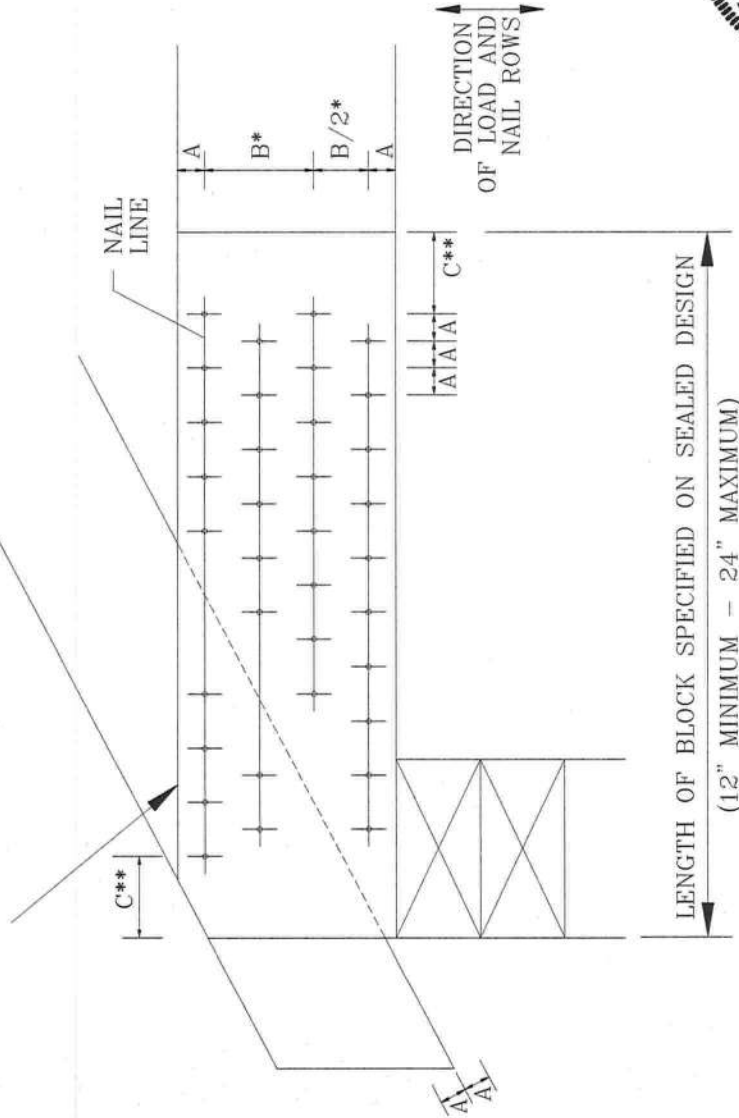
MINIMUM SPACING FOR SINGLE BEARING BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

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

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

- * SPACING MAY BE REDUCED BY 50%
- ** SPACING MAY BE REDUCED BY 33%

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



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

MINIMUM NAIL SPACING DISTANCES

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

DRAWING REPLACES DRAWING B139 AND CNBRGLK0699



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 583 DOWNSIDE DR., SUITE 200, MADISON, VT. 55719, AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI. 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING CONSTRUCTION. ALL TRUSS MANUFACTURERS SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

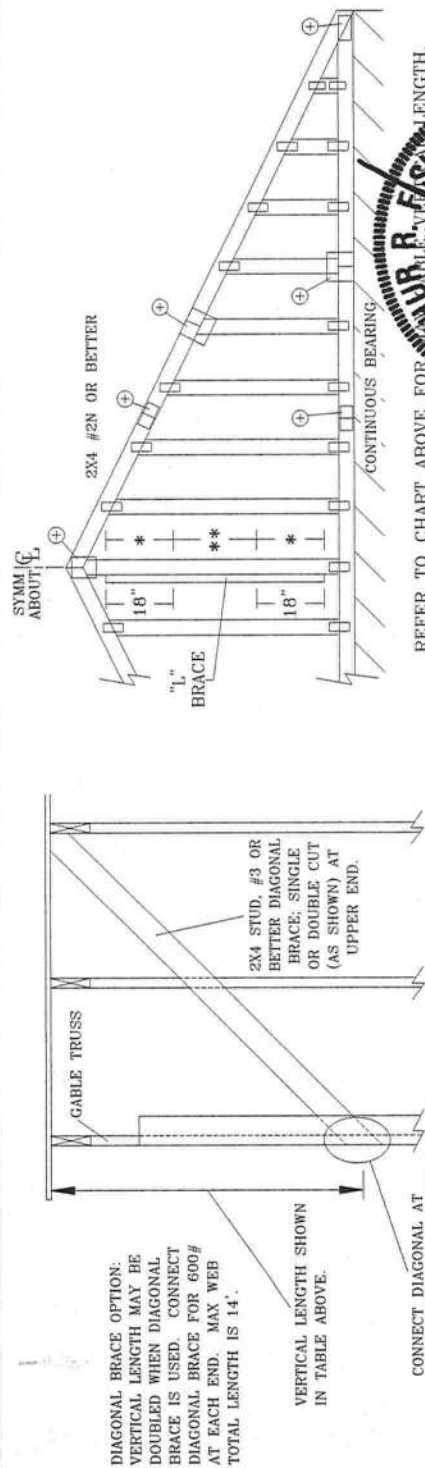
****IMPORTANT**** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W/H/2X3) ASTM A653 GRADE 40/50 (C/H/15) GALVALUME STEEL PLATES TO EACH END OF TRUSS AND, UNLESS OTHERWISE INDICATED BY A SEAL OR OTHERWISE INDICATED BY A SEAL ON THIS DRAWING, INDICATES ACCEPTANCE OF THE PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



ALPINE ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA

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

MAX GABLE VERTICAL LENGTH		2X4 GABLE VERTICAL SPACING		BRACE GRADE		NO BRACES	(1) 1X4 "L" BRACE		(2) 2X4 "L" BRACE		(1) 2X6 "L" BRACE		(2) 2X6 "L" BRACE	
							GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
24" O.C.	SPF	#1 / #2	STUD	STANDARD	#1	3' 10"	6' 8"	6' 10"	7' 11"	7' 11"	8' 1"	9' 5"	9' 5"	12' 5"
							6' 0"	6' 0"	7' 11"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"
							6' 0"	6' 0"	7' 11"	7' 11"	7' 11"	9' 5"	9' 5"	12' 3"
							5' 2"	5' 2"	6' 9"	6' 9"	6' 9"	9' 1"	9' 1"	10' 7"
24" O.C.	SP	#2	STUD	STANDARD	#2	4' 2"	6' 8"	7' 2"	7' 11"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"
							6' 8"	7' 2"	7' 11"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"
							6' 2"	6' 2"	7' 11"	7' 11"	8' 1"	9' 5"	9' 11"	12' 8"
							6' 1"	6' 1"	7' 11"	7' 11"	8' 0"	9' 5"	9' 11"	12' 6"
16" O.C.	SPF	#1 / #2	STUD	STANDARD	#1	4' 5"	7' 8"	7' 10"	9' 1"	9' 1"	9' 4"	10' 10"	10' 10"	14' 0"
							7' 4"	7' 4"	9' 1"	9' 1"	9' 4"	10' 10"	10' 10"	14' 0"
							7' 4"	7' 4"	9' 1"	9' 1"	9' 4"	10' 10"	10' 10"	14' 0"
							6' 4"	6' 4"	8' 4"	8' 4"	8' 4"	10' 10"	10' 10"	14' 0"
12" O.C.	SPF	#1 / #2	STUD	STANDARD	#1	4' 10"	7' 8"	8' 3"	9' 1"	9' 1"	9' 9"	10' 10"	10' 10"	14' 0"
							7' 8"	8' 3"	9' 1"	9' 1"	9' 9"	10' 10"	10' 10"	14' 0"
							7' 7"	7' 7"	9' 1"	9' 1"	9' 9"	10' 10"	10' 10"	14' 0"
							7' 6"	7' 6"	9' 1"	9' 1"	9' 6"	10' 10"	10' 10"	14' 0"
12" O.C.	HF	#1 / #2	STUD	STANDARD	#2	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	10' 3"	11' 11"	11' 11"	14' 0"
							8' 5"	8' 5"	10' 0"	10' 0"	10' 3"	11' 11"	11' 11"	14' 0"
							8' 5"	8' 5"	10' 0"	10' 0"	10' 3"	11' 11"	11' 11"	14' 0"
							8' 5"	8' 5"	10' 0"	10' 0"	10' 3"	11' 11"	11' 11"	14' 0"
12" O.C.	SP	#1	STUD	STANDARD	#1	5' 4"	8' 5"	9' 1"	10' 0"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"
							8' 5"	9' 1"	10' 0"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"
							8' 5"	9' 1"	10' 0"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"
							8' 5"	9' 1"	10' 0"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"
12" O.C.	DFL	#1	STUD	STANDARD	#1	5' 0"	8' 5"	8' 5"	10' 0"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"
							8' 5"	8' 5"	10' 0"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"
							8' 5"	8' 5"	10' 0"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"
							8' 5"	8' 5"	10' 0"	10' 0"	10' 6"	11' 11"	12' 6"	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'.

VERTICAL LENGTH SHOWN
IN TABLE ABOVE.

CONNECT DIAGONAL AT
MIDPOINT OF VERTICAL
WEB.

BRACING GROUP SPECIES AND GRADES:

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

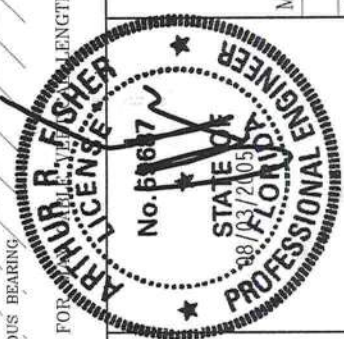
GROUP B:	
DOUGLAS FIR-LARCH	SOUTHERN PINE
#3 STUD	#3 STUD
STANDARD	STANDARD

GABLE TRUSS DETAIL NOTES:

- LIVE LOAD DEFLECTION CRITERIA IS L/240.
- PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).
- GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.
- ATTACH EACH "L" BRACE WITH 10d NAILS.
- FOR (1) "L" BRACE: SPACE NAILS AT 2' 0" O.C. IN 18" END ZONES AND 4' 0" O.C. BETWEEN ZONES.
- FOR (2) "L" BRACES: SPACE NAILS AT 3' 0" O.C. IN 18" END ZONES AND 6' 0" O.C. BETWEEN ZONES.
- "L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

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

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



VARIOUS TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 593 DODD RD., SUITE 200, MADISON, WI 53719, AND VITA (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 THIS TRUSS IN CONFORMANCE WITH TPI OR APPLICABLE HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS NATIONAL DESIGN SPEC, 40/60 (N/A/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 (D) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. E.

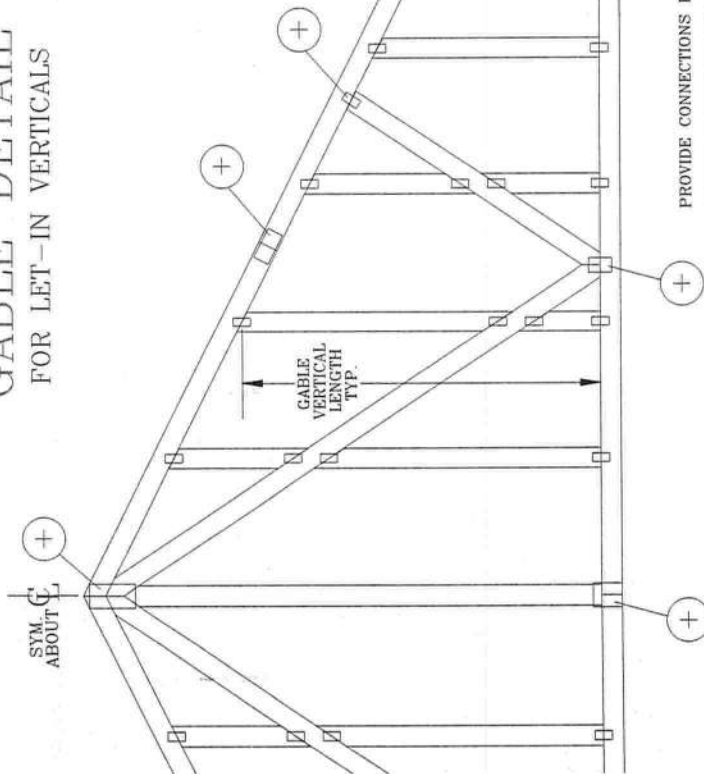
REF	ASCE7-98-CABI1015
DATE	11/26/03
DRWG	A11015EC1103
-ENG	

MAX. TOT. LD.	60 PSF
MAX. SPACING	24.0"



ALPINE ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA

SYM. $\oplus$
ABOUT



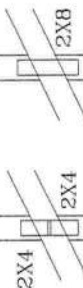
GABLE VERTICAL PLATE SIZES

VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X8
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	2X8
GREATER THAN 11' 6"	2-5X4	2-5X8

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

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

EXAMPLE:



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN, ATTACH EACH TM REINFORCING MEMBER WITH

RIGID SHEATHING

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":

GUN DRIVEN NAILS - 0.151 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

ASCE 7-93 GABLE DETAIL DRAWINGS

ASCE 7-98 CABLE DETAIL DRAWINGS

ASCE 7-98 CABLE DETAIL DRAWINGS

AL3030EC1103, AL2030EC1103,
AL3030EC1103, AL2030EC1103

SBCCI GABLE DETAIL DRAWINGS

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

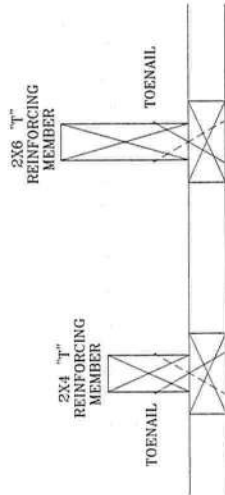
WIND LOAD/ PER M
VERTICAL LENGTH.

[illegible]

*****IMPORTANT**** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED SHALL 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 NDS (NATIONAL DESIGN SPEC., EDITION 2005), AISC (STEEL CONNECTIONS) AND AISI (STEEL DECK). ALL CONNECTOR PLATES ARE MADE OF 20/18/16GA .4X/5/8" ASTM A653 GRADE 50/40/60 .4X/5/8" GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED IN THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE PER ANSI/TP1 1 SEC. 2. ANY INSPECTION OF TRUSSES FOLLOWED BY (D) SHALL BE PER ANSI/TP1 1 SEC. 2. ACCEPTANCE OF TRUSSES DOES NOT IMPLY ASSUMPTION OF LIABILITY OR ACCEPTING 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.
POMPANO BEACH, FLORIDA



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.		SBCCI	ASCE
	MBR.	SIZE		
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

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

MEAN ROOF HEIGHT = 30 FT
GABLE VERTICAL = 24" O.C. SP #3

GABLE VERTICAL = 24 O.C. SF #3
"T" REINFORCING MEMBER SIZE = 2X4

 σ_{T^*} BRACE INCREASE (FROM ABOVE) = 10% = 1.10

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

(I) 2X4 L BRACE LENGTH = 6' MAXIMUM "I" REINFORCED GABLE VERTICAL LENGTH

110 x 6' 7" = 7' 3"

TEPLACES DRAWINGS GAB98117 876.719 & HC26294035

REF LEFT-IN VERT

DATE 01/16/04

DRWG GBLLETIN1103

-ENG DLJ/KAR

MAX TOT. LD. 60 PSF

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MAX SPACING 24.0"

COLUMBIA COUNTY BUILDING DEPARTMENT

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2001

ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

EFFECTIVE MARCH 1, 2002

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

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

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

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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

Applicant

☐☒☒☒☒☒☒☒☒☒☒☒☒

Plans Examiner

☒☒☒☒☒☒☒☒☒☒☒☒☒

All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.

Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed.

Site Plan including:

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

Wind-load Engineering Summary, calculations and any details required

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

Elevations including:

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

See Note 3

Floor Plan including:

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

Foundation Plan including:

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

Roof System:

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

Wall Sections including:

- a) Masonry wall
 - 1. All materials making up wall
 - 2. Block size and mortar type with size and spacing of reinforcement
 - 3. Lintel, tie-beam sizes and reinforcement
 - 4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
 - 5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation
 - 6. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
 - 7. Fire resistant construction (if required)
 - 8. Fireproofing requirements
 - 9. Shoe type of termite treatment (termicide or alternative method)
 - 10. Slab on grade
 - a. Vapor retardant (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 retardant (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
- ☒ ☐ g) Arc Fault Circuits (AFCI) in bedrooms

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 Required Before Any Inspections Will Be Done**

Private Potable Water

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

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all residential projects.
2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.
3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued.
(386) 758-1058 (**Toilet facilities shall be provided for construction workers**)
4. **City Approval:** If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. (386) 497-2321
5. **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.**
A development permit will also be required. Development permit cost is **\$50.00**
6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (**\$25.00**) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (**\$50.00**). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.
7. **911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 752-8787

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. YOU WILL BE NOTIFIED WHEN YOUR APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT. PLEASE DO NOT EXPECT OR REQUEST THAT PERMIT APPLICATIONS BE REVIEWED OR APPROVED WHILE YOU ARE HERE – TIME WILL NOT ALLOW THIS –PLEASE DO NOT ASK

NOTICE:

ADDRESSES BY APPOINTMENT ONLY!

TO OBTAIN A 9-1-1 ADDRESS THE REQUESTER MUST CONTACT THE COLUMBIA COUNTY 9-1-1 ADDRESSING DEPARTMENT AT (386) 752-8787 FOR AN APPOINTMENT TIME AND DATE:

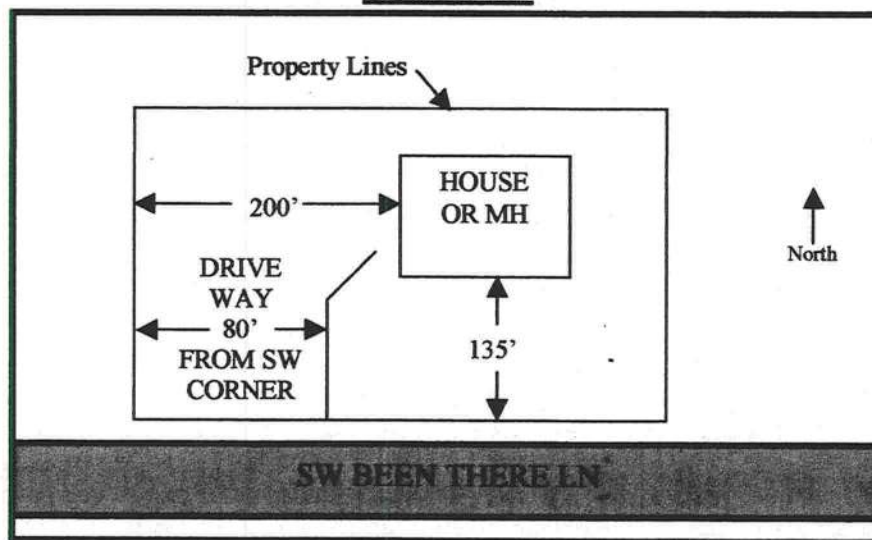
YOU CAN NOT OBTAIN A NEW ADDRESS OVER THE TELEPHONE. MUST MAKE AN APPOINTMENT!

THE ADDRESSING DEPARTMENT IS LOCATED AT 263 NW LAKE CITY AVENUE (OFF OF WEST U.S. HIGHWAY 90 WEST OF INTERSTATE 75 AT THE COLUMBIA COUNTY EMERGENCY OPERATIONS CENTER).

THE REQUESTER WILL NEED THE FOLLOWING:

1. THE PARCEL OR TAX ID NUMBER (SAMPLE: "25-4S-17-12345-123" OR "R12345-123") FOR THE PROPERTY.
2. A PLAT, PLAN, SITE PLAN, OR DRAWING SHOWING THE PROPERTY LINES OF THE PARCEL.
 - a. LOCATION OF PLANNED RESIDENT OR BUSINESS STRUCTURE ON THE PROPERTY WITH DISTANCES FROM TWO OF THE PROPERTY LINES TO THE STRUCTURE (SEE SAMPLE BELOW).
 - b. LOCATION OF THE ACCESS POINT (DRIVEWAY, ETC.) ON THE ROADWAY FROM WHICH LOCATION IS TO BE ADDRESSED WITH A DISTANCE FROM A PARALLEL PROPERTY LINE AND OR PROPERTY CORNER (SEE SAMPLE BELOW).
 - c. TRAVEL OF THE DRIVEWAY FROM THE ACCESS POINT TO THE STRUCTURE (SEE SAMPLE BELOW).

SAMPLE:



NOTE: 5 TO 7 WORKING DAYS MAY BE REQUIRED IF ADDRESSING DEPARTMENT NEEDS TO CONDUCT AN ON SITE SURVEY.

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

PROJECT: CUSTOM
CLIENT: FREDRICK PERRY (BRYAN
DATE: 7 28 05

RESIDENTIAL/LIGHT COMMERCIAL HVAC LOADS

DESIGNER: LAMAR BOOZER

CLIENT INFORMATION:

NAME: FREDRICK PERRY (BRYAN
ADDRESS:
CITY, STATE: LAKE CITY, FLORIDA

TOTAL BUILDING LOADS:

BLDG. LOAD DESCRIPTIONS	AREA QUAN	SEN. LOSS	LAT. + GAIN	SEN. = GAIN	TOTAL GAIN
3-C WINDOW DBL PANE CLR GLS METL FR	85	2,773	0	2,964	2,964
12-D WALL R-11 +1/2"ASPHLT BRD(R-1.3)	1,219	4,389	0	2,400	2,400
11-C DOOR METAL POLYSTYRENE CORE	40	846	0	462	462
16-G CEILING R-30 INSULATION	2,299	2,627	0	2,627	2,627
22-A SLAB ON GRADE NO EDGE INSUL	111	4,046	0	0	0
SUBTOTALS FOR STRUCTURE:		3,754	14,681	0	8,453
PEOPLE	10	0	0	3,000	3,000
APPLIANCES	0	0	800	1,500	2,300
DUCTWORK	0	734	0	1,841	1,841
INFILTRATION W.CFM: 0.0 S.CFM: 235.9	0	0	7,859	5,449	13,308
VENTILATION W.CFM: 0.0 S.CFM: 0.0	0	0	0	0	0
SENSIBLE GAIN TOTAL				20,243	
TEMP. SWING MULTIPLIER				X 1.00	
BUILDING LOAD TOTALS		15,415	8,659	20,243	28,902

SUPPLY CFM AT 20 DEG DT: 920 CFM PER SQUARE FOOT: 0.520
SQUARE FT. OF ROOM AREA: 2,299 SQUARE FOOT PER TON: 734.482

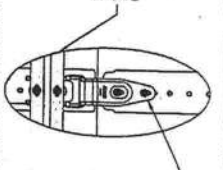
TOTAL HEATING REQUIRED WITH OUTSIDE AIR: 15.415 MBH
TOTAL COOLING REQUIRED WITH OUTSIDE AIR: 3.409 TONS

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

16 GA. GALV. RESIDENTIAL
TOP ROLLER BRACKET
ATTACHED V/(3) 1/4" x
3/4" HEX HEAD SCREWS
PER BRACKET



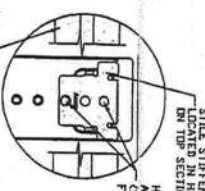
TYPICAL DURASAFE CENTER HINGE
M.T.S. 2



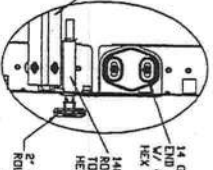
2



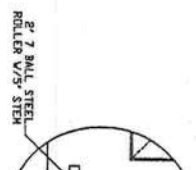
INSIDE ELEVATION



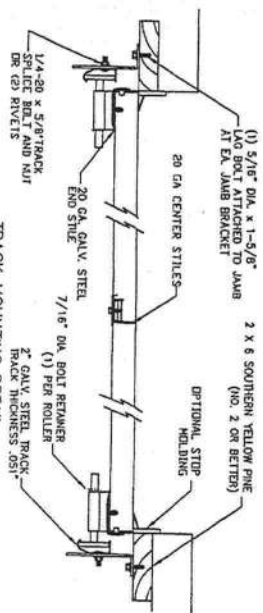
TYPICAL STILE STIFFENER
M.T.S.
5



TYPICAL DURASAFE END HINGE
N.T.S.



TYPICAL BOTTOM BRACKET
N.T.S.

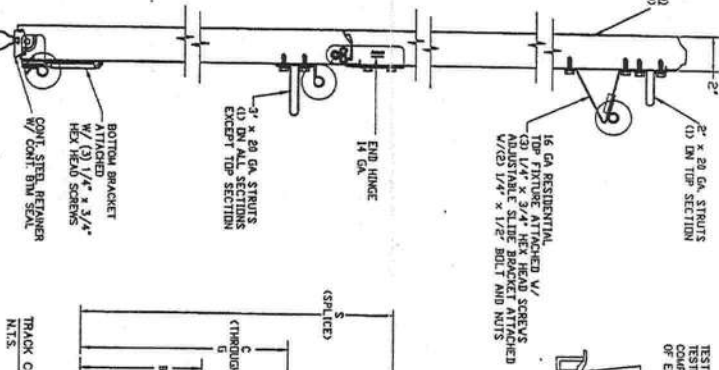


TRACK MOUNTING DETAIL

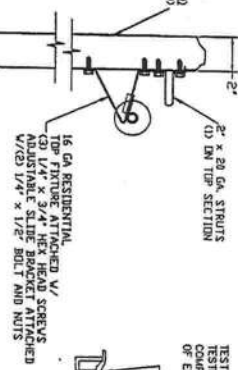
RATED FOR 120 MPH PEAK GUST; EXPOSURE B; 30' OR LESS MEAN ROOF HEIGHT

[illegible]

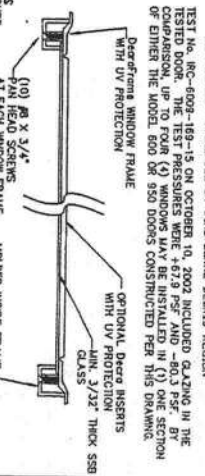
M.I.S.



SECTION A-A (SIDE VIEW)
N.T.S.



SECTION B-B



SECTION B--B

TEST No. IBC-6008-169-15 ON OCTOBER 10, 2002 INCLUDED GLAZING IN THE TESTED DOOR. THE TEST PRESSURES WERE +67.9 PSF AND -80.3 PSF. BY COMPARISON, UP TO FOUR (4) WINDOWS MAY BE INSTALLED IN (1) ONE SECTION OF EITHER THE MODEL 600 OR 950 DOORS CONSTRUCTED PER THIS DRAWING.

~~Building Inspection Division~~ ~~Jax, FL.~~

12 GA. GUN, STEEL BUILDING, LONG EXAMINER
JAMB BRACKETS REVIEWED FOR
ATTACHED W/ (N) O'S TO COMPLIANCE
TRACK SCIDE DOOR, BUT
OR (2) RIVETS KEEP THIS PLAN ON JOB

REVIEW	DESCRIPTION OF REMEDIONS	DATE	BY
			<i>Apr 1968</i>

JUN 17 2003

Amarr

165 CARRIAGE COURT WINSTON-SALEM, NC. 27105
MODEL #600 STRATFORD w/ DuraSafe
MODEL 050 HERITAGE w/ DuraSafe

Short Panel, Long Panel, and Plush Panel

DESIGNED BY	DATE	DRAWING NUMBER
05/14/03		
CHECKED BY	DATE	IRC-6009-120-1
05/14/03		

THOMAS L. SAUNDERS P.C. INC. No. 0048579

SHEET 1 OF 1

Section	Width (ft)	Panel Type	Center Stile Location (Measured from Left Edge)	Max Design Loads Allowed	
				Positive (PSF)	Negative (PSF)
8'0"	Short	48,000	25.5	30.1	28.9
8'10"	Long	48,000	25.5	29.5	28.9
8'2"	Short	49,000	25.0	29.5	28.9
8'12"	Long	49,000	25.0	29.5	28.9
8'4"	Long	50,000	24.5	28.9	28.3
8'6"	Short	51,000	24.0	28.3	27.8
8'8"	Long	52,000	23.6	27.8	27.3
8'10"	Short	53,000	23.1	27.3	26.9
8'12"	Long	53,000	23.1	27.3	26.9
9'0"	Short	54,000	22.8	26.9	26.9
9'10"	Long	54,000	22.8	26.9	26.9

TABLE 4

DOOR HEIGHT	TRACK ATTACHMENT												SPICE
	A	B	C	D	E	F	G	S	6'6"	7'	8'	9'	
6'6"	10'	10'	10'	10'	10'	10'	10'	10'	10'	10'	10'	10'	160"
7'	10'	10'	10'	10'	10'	10'	10'	10'	10'	10'	10'	10'	160"
8'	10'	10'	10'	10'	10'	10'	10'	10'	10'	10'	10'	10'	160"
9'	10'	10'	10'	10'	10'	10'	10'	10'	10'	10'	10'	10'	160"
10'	10'	10'	10'	10'	10'	10'	10'	10'	10'	10'	10'	10'	160"
11'	10'	10'	10'	10'	10'	10'	10'	10'	10'	10'	10'	10'	160"
12'	10'	10'	10'	10'	10'	10'	10'	10'	10'	10'	10'	10'	160"
13'	10'	10'	10'	10'	10'	10'	10'	10'	10'	10'	10'	10'	160"
14'	10'	10'	10'	10'	10'	10'	10'	10'	10'	10'	10'	10'	160"

TABLE 3

DOOR HEIGHT	SECTION HEIGHTS												DOOR HEIGHT
	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	
6'6"	21"	21"	21"	21"	21"	21"	21"	21"	21"	21"	21"	21"	6'6"
7'	21"	21"	21"	21"	21"	21"	21"	21"	21"	21"	21"	21"	7'
8'	21"	21"	21"	21"	21"	21"	21"	21"	21"	21"	21"	21"	8'
9'	21"	21"	21"	21"	21"	21"	21"	21"	21"	21"	21"	21"	9'
10'	21"	21"	21"	21"	21"	21"	21"	21"	21"	21"	21"	21"	10'
11'	21"	21"	21"	21"	21"	21"	21"	21"	21"	21"	21"	21"	11'
12'	21"	21"	21"	21"	21"	21"	21"	21"	21"	21"	21"	21"	12'
13'	21"	21"	21"	21"	21"	21"	21"	21"	21"	21"	21"	21"	13'
14'	21"	21"	21"	21"	21"	21"	21"	21"	21"	21"	21"	21"	14'

TABLE 2

DOOR HEIGHT	STRUT SPACING (BASED ON RECOMMENDED SECTION CONFIGURATION)												TOP
	A	B	C	D	E	F	G	T	6'6"	7'	8'	9'	
6'6"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	166 1/2"
7'	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	166 1/2"
8'	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	166 1/2"
9'	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	166 1/2"
10'	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	166 1/2"
11'	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	166 1/2"
12'	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	166 1/2"
13'	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	166 1/2"
14'	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	166 1/2"

TABLE 1

9x7 & 16x7

GLAZING OPTION CROSS SECTION

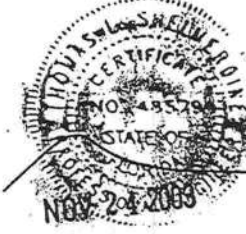


TABLE 1

DOOR HEIGHT	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
6' 0"	18 1/2"	23 1/2"	28 1/2"	33 1/2"	38 1/2"	43 1/2"	48 1/2"	53 1/2"	58 1/2"	63 1/2"	68 1/2"	73 1/2"	78 1/2"	83 1/2"	88 1/2"	93 1/2"	98 1/2"	103 1/2"	108 1/2"	113 1/2"	118 1/2"	123 1/2"	128 1/2"
6' 6"	18 1/2"	23 1/2"	28 1/2"	33 1/2"	38 1/2"	43 1/2"	48 1/2"	53 1/2"	58 1/2"	63 1/2"	68 1/2"	73 1/2"	78 1/2"	83 1/2"	88 1/2"	93 1/2"	98 1/2"	103 1/2"	108 1/2"	113 1/2"	118 1/2"	123 1/2"	128 1/2"
7' 0"	18 1/2"	23 1/2"	28 1/2"	33 1/2"	38 1/2"	43 1/2"	48 1/2"	53 1/2"	58 1/2"	63 1/2"	68 1/2"	73 1/2"	78 1/2"	83 1/2"	88 1/2"	93 1/2"	98 1/2"	103 1/2"	108 1/2"	113 1/2"	118 1/2"	123 1/2"	128 1/2"
7' 6"	18 1/2"	23 1/2"	28 1/2"	33 1/2"	38 1/2"	43 1/2"	48 1/2"	53 1/2"	58 1/2"	63 1/2"	68 1/2"	73 1/2"	78 1/2"	83 1/2"	88 1/2"	93 1/2"	98 1/2"	103 1/2"	108 1/2"	113 1/2"	118 1/2"	123 1/2"	128 1/2"
8' 0"	18 1/2"	23 1/2"	28 1/2"	33 1/2"	38 1/2"	43 1/2"	48 1/2"	53 1/2"	58 1/2"	63 1/2"	68 1/2"	73 1/2"	78 1/2"	83 1/2"	88 1/2"	93 1/2"	98 1/2"	103 1/2"	108 1/2"	113 1/2"	118 1/2"	123 1/2"	128 1/2"
8' 6"	18 1/2"	23 1/2"	28 1/2"	33 1/2"	38 1/2"	43 1/2"	48 1/2"	53 1/2"	58 1/2"	63 1/2"	68 1/2"	73 1/2"	78 1/2"	83 1/2"	88 1/2"	93 1/2"	98 1/2"	103 1/2"	108 1/2"	113 1/2"	118 1/2"	123 1/2"	128 1/2"
9' 0"	18 1/2"	23 1/2"	28 1/2"	33 1/2"	38 1/2"	43 1/2"	48 1/2"	53 1/2"	58 1/2"	63 1/2"	68 1/2"	73 1/2"	78 1/2"	83 1/2"	88 1/2"	93 1/2"	98 1/2"	103 1/2"	108 1/2"	113 1/2"	118 1/2"	123 1/2"	128 1/2"
9' 6"	18 1/2"	23 1/2"	28 1/2"	33 1/2"	38 1/2"	43 1/2"	48 1/2"	53 1/2"	58 1/2"	63 1/2"	68 1/2"	73 1/2"	78 1/2"	83 1/2"	88 1/2"	93 1/2"	98 1/2"	103 1/2"	108 1/2"	113 1/2"	118 1/2"	123 1/2"	128 1/2"
10' 0"	18 1/2"	23 1/2"	28 1/2"	33 1/2"	38 1/2"	43 1/2"	48 1/2"	53 1/2"	58 1/2"	63 1/2"	68 1/2"	73 1/2"	78 1/2"	83 1/2"	88 1/2"	93 1/2"	98 1/2"	103 1/2"	108 1/2"	113 1/2"	118 1/2"	123 1/2"	128 1/2"
10' 6"	18 1/2"	23 1/2"	28 1/2"	33 1/2"	38 1/2"	43 1/2"	48 1/2"	53 1/2"	58 1/2"	63 1/2"	68 1/2"	73 1/2"	78 1/2"	83 1/2"	88 1/2"	93 1/2"	98 1/2"	103 1/2"	108 1/2"	113 1/2"	118 1/2"	123 1/2"	128 1/2"
11' 0"	18 1/2"	23 1/2"	28 1/2"	33 1/2"	38 1/2"	43 1/2"	48 1/2"	53 1/2"	58 1/2"	63 1/2"	68 1/2"	73 1/2"	78 1/2"	83 1/2"	88 1/2"	93 1/2"	98 1/2"	103 1/2"	108 1/2"	113 1/2"	118 1/2"	123 1/2"	128 1/2"
11' 6"	18 1/2"	23 1/2"	28 1/2"	33 1/2"	38 1/2"	43 1/2"	48 1/2"	53 1/2"	58 1/2"	63 1/2"	68 1/2"	73 1/2"	78 1/2"	83 1/2"	88 1/2"	93 1/2"	98 1/2"	103 1/2"	108 1/2"	113 1/2"	118 1/2"	123 1/2"	128 1/2"
12' 0"	18 1/2"	23 1/2"	28 1/2"	33 1/2"	38 1/2"	43 1/2"	48 1/2"	53 1/2"	58 1/2"	63 1/2"	68 1/2"	73 1/2"	78 1/2"	83 1/2"	88 1/2"	93 1/2"	98 1/2"	103 1/2"	108 1/2"	113 1/2"	118 1/2"	123 1/2"	128 1/2"
12' 6"	18 1/2"	23 1/2"	28 1/2"	33 1/2"	38 1/2"	43 1/2"	48 1/2"	53 1/2"	58 1/2"	63 1/2"	68 1/2"	73 1/2"	78 1/2"	83 1/2"	88 1/2"	93 1/2"	98 1/2"	103 1/2"	108 1/2"	113 1/2"	118 1/2"	123 1/2"	128 1/2"
13' 0"	18 1/2"	23 1/2"	28 1/2"	33 1/2"	38 1/2"	43 1/2"	48 1/2"	53 1/2"	58 1/2"	63 1/2"	68 1/2"	73 1/2"	78 1/2"	83 1/2"	88 1/2"	93 1/2"	98 1/2"	103 1/2"	108 1/2"	113 1/2"	118 1/2"	123 1/2"	128 1/2"
13' 6"	18 1/2"	23 1/2"	28 1/2"	33 1/2"	38 1/2"	43 1/2"	48 1/2"	53 1/2"	58 1/2"	63 1/2"	68 1/2"	73 1/2"	78 1/2"	83 1/2"	88 1/2"	93 1/2"	98 1/2"	103 1/2"	108 1/2"	113 1/2"	118 1/2"	123 1/2"	128 1/2"
14' 0"	18 1/2"	23 1/2"	28 1/2"	33 1/2"	38 1/2"	43 1/2"	48 1/2"	53 1/2"	58 1/2"	63 1/2"	68 1/2"	73 1/2"	78 1/2"	83 1/2"	88 1/2"	93 1/2"	98 1/2"	103 1/2"	108 1/2"	113 1/2"	118 1/2"	123 1/2"	128 1/2"
14' 6"	18 1/2"	23 1/2"	28 1/2"	33 1/2"	38 1/2"	43 1/2"	48 1/2"	53 1/2"	58 1/2"	63 1/2"	68 1/2"	73 1/2"	78 1/2"	83 1/2"	88 1/2"	93 1/2"	98 1/2"	103 1/2"	108 1/2"	113 1/2"	118 1/2"	123 1/2"	128 1/2"

SHOULDER COLLARS REQUIRED 2" 2008 STUDS

TABLE 2

DOOR HEIGHT	B1m	#2	#3	#4	#5	#6	#7	#8
14' 0"	21"	21"	21"	21"	21"	21"	21"	21"
13' 6"	21"	21"	21"	21"	21"	21"	21"	21"
13' 0"	21"	21"	21"	21"	21"	21"	21"	21"
12' 6"	21"	21"	21"	21"	21"	21"	21"	21"
12' 0"	21"	21"	21"	21"	21"	21"	21"	21"
11' 6"	21"	21"	21"	21"	21"	21"	21"	21"
11' 0"	21"	21"	21"	21"	21"	21"	21"	21"
10' 6"	21"	21"	21"	21"	21"	21"	21"	21"
10' 0"	21"	21"	21"	21"	21"	21"	21"	21"
9' 6"	21"	21"	21"	21"	21"	21"	21"	21"
9' 0"	21"	21"	21"	21"	21"	21"	21"	21"
8' 6"	21"	21"	21"	21"	21"	21"	21"	21"
8' 0"	21"	21"	21"	21"	21"	21"	21"	21"
7' 6"	21"	21"	21"	21"	21"	21"	21"	21"
7' 0"	21"	21"	21"	21"	21"	21"	21"	21"
6' 6"	21"	21"	21"	21"	21"	21"	21"	21"

TABLE 3

Section	Panel Type	1st (in)	2nd (in)	3rd (in)	4th (in)	5th (in)
16' 2"	Long	50,272	73,636	97,000	120,364	143,728
16' 2"	Long	51,168	74,094	97,000	119,317	142,834
16' 4"	Long	51,272	74,636	98,000	120,917	144,728
16' 4"	Long	52,168	75,094	99,000	122,517	146,728
16' 6"	Long	52,272	75,636	99,000	122,517	146,728
16' 6"	Long	53,168	76,170	100,000	124,117	148,728
16' 8"	Long	53,272	76,710	100,000	124,117	148,728
16' 8"	Long	54,168	77,250	101,000	125,717	150,728
16' 10"	Long	54,272	77,790	101,000	125,717	150,728
16' 10"	Long	55,168	78,330	102,000	127,317	152,728
16' 10"	Long	56,064	78,870	102,000	127,317	152,728
17' 0"	Long	56,168	79,410	103,000	128,917	154,728
17' 0"	Long	57,064	79,950	103,000	128,917	154,728
17' 2"	Long	57,168	80,490	104,000	130,517	156,728
17' 2"	Long	58,064	81,030	104,000	130,517	156,728
17' 4"	Long	58,168	81,570	105,000	132,117	158,728
17' 4"	Long	59,064	82,110	105,000	132,117	158,728
17' 6"	Long	59,168	82,650	106,000	133,717	160,728
17' 6"	Long	60,064	83,190	106,000	133,717	160,728
17' 8"	Long	60,168	83,730	107,000	135,317	162,728
17' 8"	Long	61,064	84,270	107,000	135,317	162,728
17' 10"	Long	61,168	84,810	108,000	136,917	164,728
17' 10"	Long	62,064	85,350	108,000	136,917	164,728
18' 0"	Long	62,168	85,890	109,000	138,517	166,728

TABLE 4

DOOR HEIGHT	A	B	C	D	E	F	G	H	S
6' 6"	10"	21"	39"	57"	75"	93"	111"	129"	147"
7' 0"	10"	21"	39"	57"	75"	93"	111"	129"	147"
7' 6"	10"	21"	39"	57"	75"	93"	111"	129"	147"
8' 0"	10"	21"	39"	57"	75"	93"	111"	129"	147"
8' 6"	10"	21"	39"	57"	75"	93"	111"	129"	147"
9' 0"	10"	21"	39"	57"	75"	93"	111"	129"	147"
9' 6"	10"	21"	39"	57"	75"	93"	111"	129"	147"
10' 0"	10"	21"	39"	57"	75"	93"	111"	129"	147"
10' 6"	10"	21"	39"	57"	75"	93"	111"	129"	147"
11' 0"	10"	21"	39"	57"	75"	93"	111"	129"	147"
11' 6"	10"	21"	39"	57"	75"	93"	111"	129"	147"
12' 0"	10"	21"	39"	57"	75"	93"	111"	129"	147"
12' 6"	10"	21"	39"	57"	75"	93"	111"	129"	147"
13' 0"	10"	21"	39"	57"	75"	93"	111"	129"	147"
13' 6"	10"	21"	39"	57"	75"	93"	111"	129"	147"
14' 0"	10"	21"	39"	57"	75"	93"	111"	129"	147"

TABLE 5

Section	Panel Type	Max Design Loads Allowed
Width (in)		
16' 2"	Long	23.9
16' 2"	Long	23.9
16' 4"	Long	23.7
16' 4"	Long	23.7
16' 6"	Long	23.4
16' 6"	Long	23.4
16' 8"	Long	23.1
16' 8"	Long	23.1
16' 10"	Long	22.8
16' 10"	Long	22.8
17' 0"	Long	22.5
17' 0"	Long	22.5
17' 2"	Long	22.2
17' 2"	Long	22.2
17' 4"	Long	21.9
17' 4"	Long	21.9
17' 6"	Long	21.6
17' 6"	Long	21.6
17' 8"	Long	21.3
17' 8"	Long	21.3
17' 10"	Long	21.0
17' 10"	Long	21.0
18' 0"	Long	20.7

TOTAL ROOF - - - - - 4664 SF

SWS = Indicates a sheenroll segment location referring to the labeled section of wall lying between the adjacent window / door openings in either direction. The sheenroll areas have a height/width aspect ratio of 3-1/2 : 1 or wider.

SEE ELEVATIONS FOR
LOCATIONS OF EXTERIOR
DRIVE WAINSCOTTING

STORAGE
(LOFT ABOVE - FUT.)

BEAM PER
DISTANCE

WALLS BETWEEN GARAGE AND LIVING AREA TO BE ONE HOUR FIRE-RATED CONSTRUCTION, 5/8 IN. TYPE "X" FIRE-CODE SHEETROCK EA. SIDE OR SIMILAR APPROVED METHOD.

SEE OWNER PER
LOCATION OF AC UNIT
AND BRICK WALL.

WELDED WIRE REINFORCING FABRIC (W.W.M.)
APPROVED MAT
FIBER CONCRETE
REINFORCEMENT
SHALL BE FROM
RECOMMENDAT
SUPPLIER SHAL
THE BUILDING (

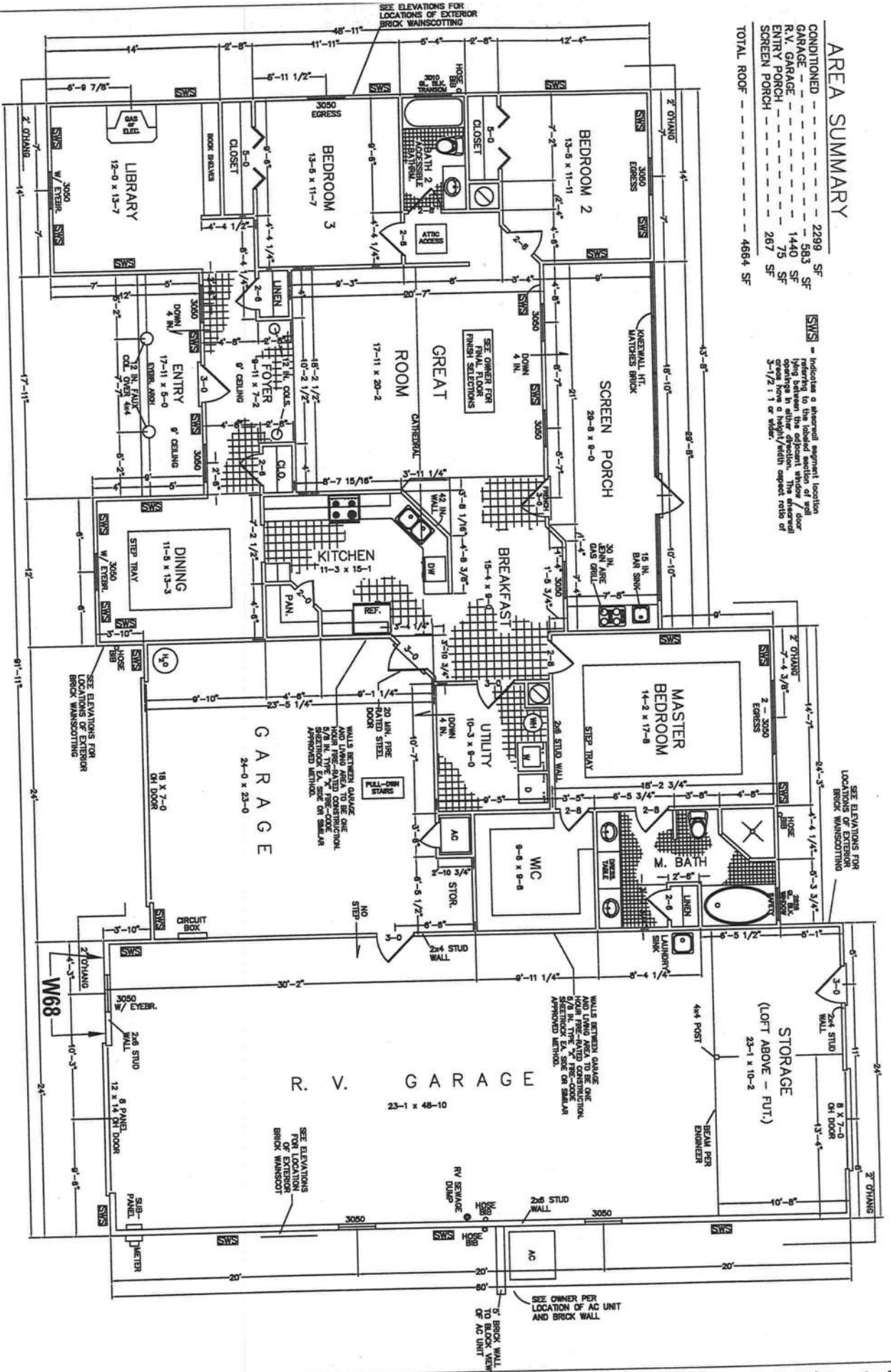
**STRUCTURAL
AND REINFORCING
SCHEDULES AS L
TABLES AS L
INSTRUCTION**

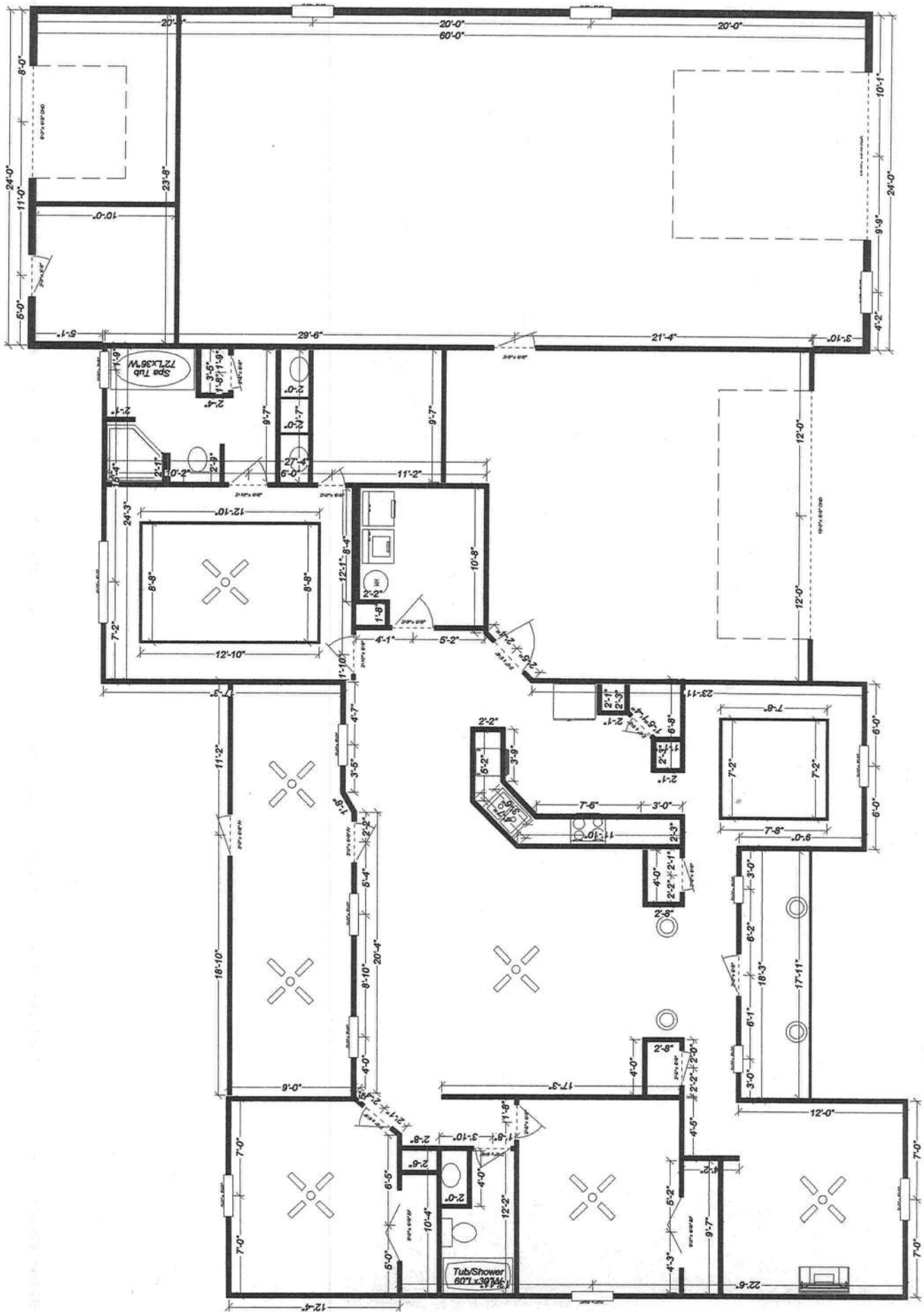
ANCHOR BOI
LESS THAN 7'

WASHERS: 1
WITH 3/4" BO

NAILS: ALL N
REPORTS AS

FLOOR PLAN

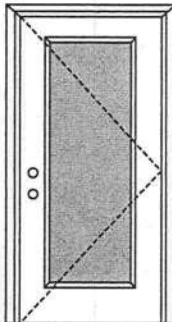




X

Glazed Inswing Unit

COP-WL-MA0141-02

FIBERGLASS DOORS**APPROVED ARRANGEMENT:****Note:**

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



Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003; #3026447B-001, 002, 003; #3026447C-001, 002, 003 provides additional information - available from the ITS/WH website (www.itswh.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Single Door

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

Design Pressure

+52.0/-52.0

Limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is REQUIRED.

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

MINIMUM ASSEMBLY DETAIL:

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

MINIMUM INSTALLATION DETAIL:

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

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

100 Series



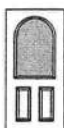
133, 135 Series



136 Series



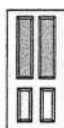
822 Series

1/2 GLASS:

105 Series



106, 160 Series*



129 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 style: Eyebrow 5-panel with scroll.

Oakcraft™
Wood-grain **ART** Textured
FIBERGLASS ENTRY DOORS

ARTEK™
Non-Textured Fiberglass Entry Doors

PREMDOR Collection
Premium Quality Doors

Exclusively from
Masonite®
Masonite International Corporation

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

X

Glazed Inswing Unit

COP-WL-MA0141-02

FIBERGLASS DOORS**APPROVED DOOR STYLES:****3/4 GLASS:**

404 Series



410 Series

FULL GLASS:

109 Series

114, 120, 122
Series

152 Series



149 Series



300 Series

CERTIFIED TEST REPORTS:

CTLA-805W-2

Certifying Engineer and License Number: Ramesh Patel, P.E./20224

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Door panels constructed from 0.075" minimum thick fiberglass skins. Both stiles constructed of 1-5/8" laminated lumber. Top end rails constructed of 31/32" wood. Bottom end rails constructed of 31/32" wood composite. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip 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;
#3026447B; #3026447C and COP/Test
Report Validation Matrix #3026447A-
001, 002, 003; #3026447B-001, 002,
003; #3026447C-001, 002, 003
provides additional information -
available from the ITS/WH website
(www.etsmko.com), the Masonite
website (www.masonite.com) or the
Masonite technical center.

2

Oakcraft
Wood-grain Textured
FIBERGLASS ENTRY DOORS

ARTEK
Non-Textured Fiberglass Entry Doors

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 H. Reeves
1 APRIL 2002





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

Rendered to

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

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

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

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

Test Specimen Description:

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

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

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

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

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

Finish: All aluminum was white.

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

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

Allen N. Reeves
1 APRIL 2002



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

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

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

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

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



Test Specimen Description: (Continued)

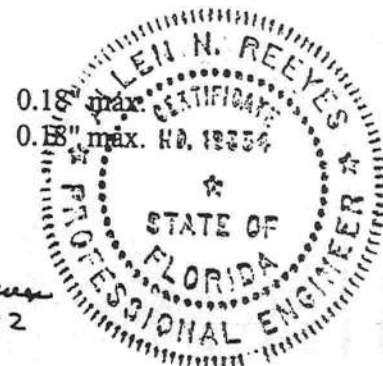
<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.2	Deglazing Test (ASTM E 987) In operating direction at 70 lbs		
	Meeting rail	0.12"/25%	0.50"/100%
	Bottom rail	0.12"/25%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.06"/12%	0.50"/100%
	Right stile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

Optional Performance

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

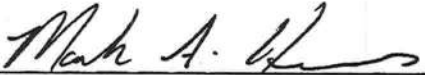
**Exceeds L/175 for deflection, but passes all other test requirements.*

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



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





STRUCTURAL TEST REPORT SUMMARY

Rendered to:

MI HOME PRODUCTS, INC.

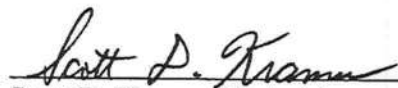
SERIES/MODEL: 650

TYPE: Twin Aluminum Single Hung Window

Title of Test	Results
Overall Design Pressure	35.0 psf
Operating Force	18 lb max.
Air Infiltration	0.29 cfm/ft ²
Water Resistance	5.25 psf
Structural Test Pressure	70.5 psf

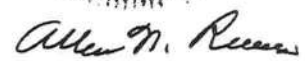
Reference should be made to Report No. 01-36060.02 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.


Scott D. Kramer, Technician

SDK:nlb/baw




28 MARCH 2002



Architectural Testing

STRUCTURAL TEST REPORT

Rendered to:

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

Report No: 01-36060.02
Test Date: 11/04/99
Report Date: 03/26/02
Expiration Date: 11/04/03

Project Summary: Architectural Testing, Inc. (ATI) was contracted to perform tests on a Series/Model 650, twin aluminum single hung window at MI Home Products' test facility in Elizabethville, Pennsylvania. Test specimen description and results are reported herein.

Test Specification The test specimen was evaluated in accordance with the following:

ASTM E 283-91, *Standard Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen*

ASTM E 330-97, *Standard Test Method for Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference*

ASTM E 547-96, *Standard Test Method for Water Penetration of Exterior Windows, Curtain Walls, and Doors by Cyclic Static Air Pressure Differential*

Test Specimen Description:

Series/Model: 650

Type: Twin Aluminum Single Hung Window

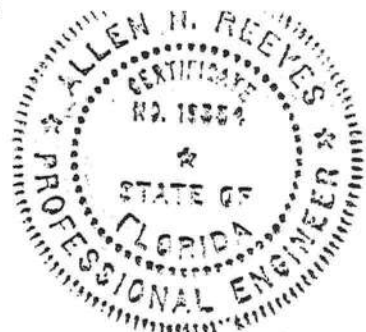
Overall Size: 5' 10-1/4" wide by 5' 0" high

Active Size (2): 2' 8-3/4" wide by 2' 6-1/4" high

Fixed Daylight Opening Size (2): 2' 6- 1/4" wide by 2' 3" high

Screen Size (2): 2' 7-3/4" wide by 2' 4-1/4" high

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



Allen H. Reeves
28 MARCH 2002



Test Specimen Description: (Continued)

Finish: All aluminum was painted white.

Glazing Details: Both the active sash and fixed lites utilized 5/8" thick insulating glass fabricated from two sheets of 3/32" thick clear annealed glass and a desiccant filled metal spacer system. The active sash were channel glazed with a flexible wedge gasket. The fixed lites were interior glazed, back bedded with single sided adhesive foam tape and held-in-place with PVC snap-in glazing beads.

Weatherstripping:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
0.270" backed by 0.190" high polypile with center fin	1 Row	Fixed meeting stile
3/8" high vinyl wrapped foam bulb	1 Row	Bottom rail
0.187" backed by 0.250" high polypile with center fin	2 Rows	Stiles
1/4" high polypile dust plug	2 Rows	Ends of bottom rail, top of each stile

Frame Construction: Frame was constructed of extruded aluminum members and all corners were coped, butted, sealed, and fastened with two screws per corner. The fixed meeting rail was attached to the jambs with a plastic clip and two screws per end.

Mullion Construction: The mullion was constructed of an extruded aluminum member. It was fastened to the head and sill with four screws per end. All screw heads were sealed as well as the butt joint at the sill.

Sash Construction: The sash were constructed of extruded aluminum members and all corners were coped, butted, and fastened with one screw per corner.

Screen Construction: The screen was constructed of rolled aluminum members and the corners were keyed. The screen mesh was held-in-place with a flexible spline.

Allen M. Reeves
28 MARCH 2002





Test Specimen Description: (Continued)

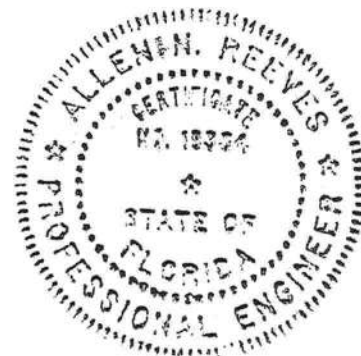
Hardware:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Plastic tilt latches	4	Ends of interior meeting rail
Metal pivot bars	4	Ends of the bottom rails
Metal sweep lock	2	Midspan of interior meeting rail
Metal keeper	2	Midspan of fixed meeting rail
Sash stops	4	One per jamb
Block and tackle balance system	4	One per jamb
Spring loaded latch pins	2	6" from ends of screen top rail

Drainage:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Sloped sill		Sill
1/4" wide by 3/16" high weepslot	4	Ends of exterior vertical sill leg

Installation: The test unit was installed into the 2" x 8" nominal Spruce-Pine-Fir #2 wood test buck utilizing the integral nailing fin and 1" roofing nails. Five per top, bottom, and sides of the nail fin were evenly spaced. The nail fin was bedded in a silicone sealant.



Allen N. Reeves
28 MARCH 2002

Test Results

The results are tabulated as follows:

<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
Air Infiltration per ASTM E 283-91		
@ 0.56 psf (15 mph)	0.15 cfm/ft ²	0.30 cfm/ft ²
@ 1.57 psf (25 mph)	0.29 cfm/ft ²	0.30 cfm/ft ²
Water Resistance per ASTM E 547-96 (with and without screen) WTP = 5.25 psf	No leakage	No leakage
Uniform Load Structural per ASTM E 330-97 (Measurements reported were taken on the meeting rail) (load held for 33 seconds)		
@ 47.0 psf (exterior)	0.010"	0.24" max.
@ 47.0 psf (interior)	0.015"	0.24" max.

Note: No end measurements were taken on the member measured. The measurements stated above include displacement as well as bending. Only permanent sets were recorded, not deflection measurements. This statement applies to all uniform load tests performed.

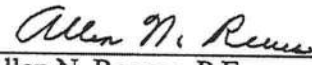
Uniform Load Structural per ASTM E 330-97 (Measurements reported were taken on the meeting rail) (load held for 10 seconds)		
@ 70.5 psf (exterior)	0.060"	0.24" max
@ 70.5 psf (interior)	0.040"	0.24" max

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.

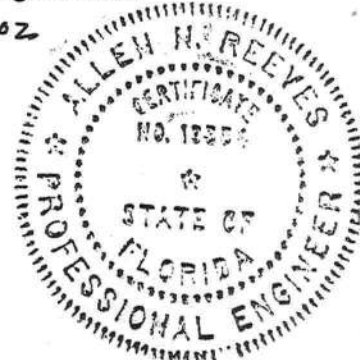
For ARCHITECTURAL TESTING, INC:


Scott D. Kramer
Technician

SDK:nlb/baw
01-36060.02


Allen N. Reeves, P.E.
Director - Engineering Services

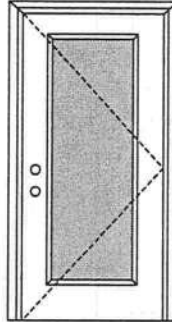
28 MARCH 2002



X

Glazed Inswing Unit

COP-WL-JH4141-02

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

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



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

Single Door

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

Design Pressure

+40.5/-40.5

Limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is REQUIRED.

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

MINIMUM ASSEMBLY DETAIL:

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

MINIMUM INSTALLATION DETAIL:

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

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

100 Series



133, 135 Series



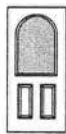
136 Series



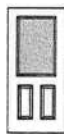
680 Series



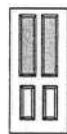
822 Series

1/2 GLASS:

105 Series*



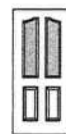
106, 160 Series*



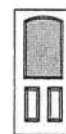
129 Series*



200 Series*



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



107 Series*



108 Series



304 Series

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

Johnson
EntrySystems

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

PREMDOR Collection
Premium Quality Doors



Exclusively from

Masonite
Masonite International Corporation

X

Glazed Inswing Unit

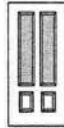
COP-WL-JH4141-02

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

404 Series



410 Series



450 Series

FULL GLASS:

109 Series

114, 120, 122
Series

152 Series



149 Series



300 Series

CERTIFIED TEST REPORTS:

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

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

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

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

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

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

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



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

2

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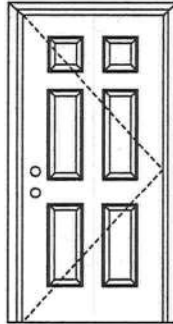
June 17, 2002
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Exclusively from
Masonite
Masonite International Corporation

X

Opaque Outswing Unit

COP-WL-JH4121-02**WOOD-EDGE STEEL DOORS****APPROVED ARRANGEMENT:****Note:**

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



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

Single Door

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

Design Pressure

+66.0/-66.0

limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is NOT REQUIRED.

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

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0011-02.

MINIMUM INSTALLATION DETAIL:

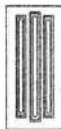
Compliance requires that minimum installation details have been followed – see MID-WL-MA0001-02.

APPROVED DOOR STYLES:

Flush



Arch Top 3-panel



3-panel



6-panel



New England 4-panel



Eyebrow 4-panel



8-panel



9-panel



15-panel



5-panel



5-panel with scroll



Eyebrow 5-panel



Eyebrow 5-panel with scroll

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Exclusively from

Masonite®
Masonite International Corporation

X

Opaque Outswing Unit

COP-WL-JH4121-02

WOOD-EDGE STEEL DOORS

CERTIFIED TEST REPORTS:

NCTL 210-2178-1, 2, 3

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

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

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

Frame constructed of wood with an extruded aluminum bumper threshold.

PRODUCT COMPLIANCE LABELING:

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

COMPANY NAME
CITY, STATE

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



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



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

Johnson
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June 17, 2002
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Exclusively from

Masonite®
Masonite International Corporation

**ELK**

ROOFING PRODUCTS SPECIFICATIONS – TUSCALOOSA, AL

**PRESTIQUE®
HIGH DEFINITION®****RAISED PROFILE®****Prestique Plus High Definition
and Prestique Gallery Collection™**

Product size	13 1/4" x 39 3/4"	50-year limited warranty period:
Exposure	5 1/2"	5-7**years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 80 mph, extended 110 mph***
Pieces/Bundle	16	
Bundles/Square	4/98.5 sq.ft.	
Squares/Pallet	11	

Raised Profile

Product size	13 1/4" x 38 1/2"	30-year limited warranty period:
Exposure	5 1/2"	5-7**years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 70 mph.
Pieces/Bundle	22	
Bundles/Square	3/100 sq.ft.	
Squares/Pallet	16	

Prestique I High Definition

Product size	13 1/4" x 39 3/4"	40-year limited warranty period:
Exposure	5 1/2"	5-7**years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 80 mph, extended 90 mph***
Pieces/Bundle	16	
Bundles/Square	4/98.5 sq.ft.	
Squares/Pallet	14	

HIP AND RIDGE SHINGLES**Seal-A-Ridge® w/FLX™**

Size:	12" x 12"
Exposure:	6 1/2"
Pieces/Bundle:	45
Coverage:	4 Bundles = 100 linear feet

Vented RidgeCrest™ w/FLX™

Size:	13" x 13 1/2"
Exposure:	9 1/4"
Pieces/Box:	26
Coverage:	5 boxes = 100 linear feet

Prestique High Definition

Product size	13 1/4" x 38 1/2"	30-year limited warranty period:
Exposure	5 1/2"	5-7**years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 80 mph.
Pieces/Bundle	22	
Bundles/Square	3/100 sq.ft.	
Squares/Pallet	16	

Elk Starter Strip

52 Bundles/Pallet
18 Pallets/Truck
936 Bundles/Truck
19 Pieces/Bundle
1 Bundle = 120.33 linear feet

Available Colors (Check Availability): Antique Slate, Weatheredwood, Shakerwood, Sablewood, Hickory, Barkwood, Forest Green, Wedgewood, Birchwood, Sandalwood. Gallery Collection: Balsam Forest™, Weathered Sage™, Sienna Sunset™.

All Prestique, Raised Profile and Seal-A-Ridge, and Prestique Starter Strip roofing products contain sealant which activates with the sun's heat, bonding shingles into a wind and weather resistant cover that resists blow-offs and leaks.

Check for availability with built-in StainGuard™ treatment to inhibit the discoloration of roofing granules caused by the growth of certain types of algae.

All Prestique and Raised Profile shingles meet UL Wind Resistant (UL 997) and Class "A" Fire Ratings (UL 790); and ASTM Specifications D 3018, Type-I; D 3161, Type-I; E 108 and the requirements of ASTM D 3462.

All Prestique and Raised Profile shingles have approval from the Florida Building Code Commission, Metro-Dade County, ICBO, and Texas Department of Insurance.

*See actual limited warranty for conditions and limitations.

** Effective January 1, 2004, the seven year non-prorated Umbrella Coverage Period applies only when a full Elk Roof System is installed with the original installation of the Elk shingles, all in accordance with Elk's application instructions for such products. A full Elk roof system includes Elk Hip and Ridge shingles on all hips and ridges, Elk Starter Strip along all rake and eave edges, an Elk ventilation system, and Elk All-Climate Self-Adhering Underlayment in all valleys. Additionally, Elk All-Climate Self-Adhering Underlayment is required along the rake and eave edges of the roof in and north of the states of VA, KY, MO, KS, CO, UT, NV, & OR.

***For a limited Wind Warranty up to 110 mph for Prestique Gallery Collection, Prestique Plus, or 90 mph for Prestique I or Grandé, at least six (6) properly placed NAILS and Elk Starter Strip shingles are required. See application instructions printed on the shingle wrapper for additional requirements.

SPECIFICATIONS

SCOPE: Work includes furnishing all labor, materials and equipment necessary to complete installation of (name) shingles specified herein. Color shall be (name of color). Hip and ridge type to be Elk Seal-A-Ridge with formula FLX.

All exposed metal surfaces (flashing, vents, etc.) to be painted with matching Elk roof accessory paint.

PREPARATION OF ROOF DECK: Roof deck to be dry, well-seasoned 1" x 6" (25.4mm x 152.4mm) boards; exterior-grade plywood (exposure 1 rated sheathing) at least 3/8" (9.525mm) thick conforming to the specifications of the American Plywood Association; 7/16" (11.074mm) oriented strandboard; or chipboard. Most fire retardant plywood decks are NOT approved substrates for Elk shingles. Consult Elk Field Service for application specifications over other decks and other slopes.

Materials: Underlayment for standard roof slopes, 4" per foot (101.6/304.8mm) or greater: apply non-perforated No. 15 or 30 asphalt-saturated felt underlayment. For Low slopes[4" per foot (101.6/304.8mm)] to a minimum of 2" per foot (50.8/304.8mm)], use two plies of underlayment overlapped a minimum of 19". Fasteners shall be of sufficient length and holding power for securing material as required by the application instructions printed on shingle wrapper.

For areas where algae is a problem, shingles shall be (name) with StainGuard treatment, as manufactured by the Elk Tuscaloosa plant. Hip and ridge type to be Seal-A-Ridge with formula FLX with StainGuard treatment.

Complete application instructions are published by Elk and printed on the back of every shingle bundle. All warranties are contingent upon the correct installation as shown on the instructions. These instructions are the minimum required to meet Elk application requirements. In some areas, building codes may require additional application techniques or methods beyond our instructions. In these cases, the local code must be followed. Under no circumstances will Elk accept application requirements less than those contained in its application instructions.

For specifications in CSI format, call 800.354.SPEC (7732) or e-mail specinfo@elkcorp.com.

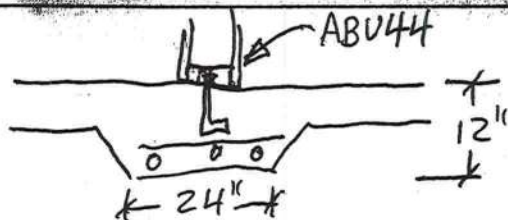
**SOUTHEAST &
ATLANTIC OFFICE:**
800.945.5551

CORPORATE HEADQUARTERS:
800.354.7732

PLANT LOCATION:
800.945.5545

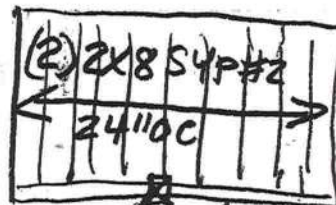
ELK
The Premium Choice®
www.elkcorp.com

SS00T 06/04



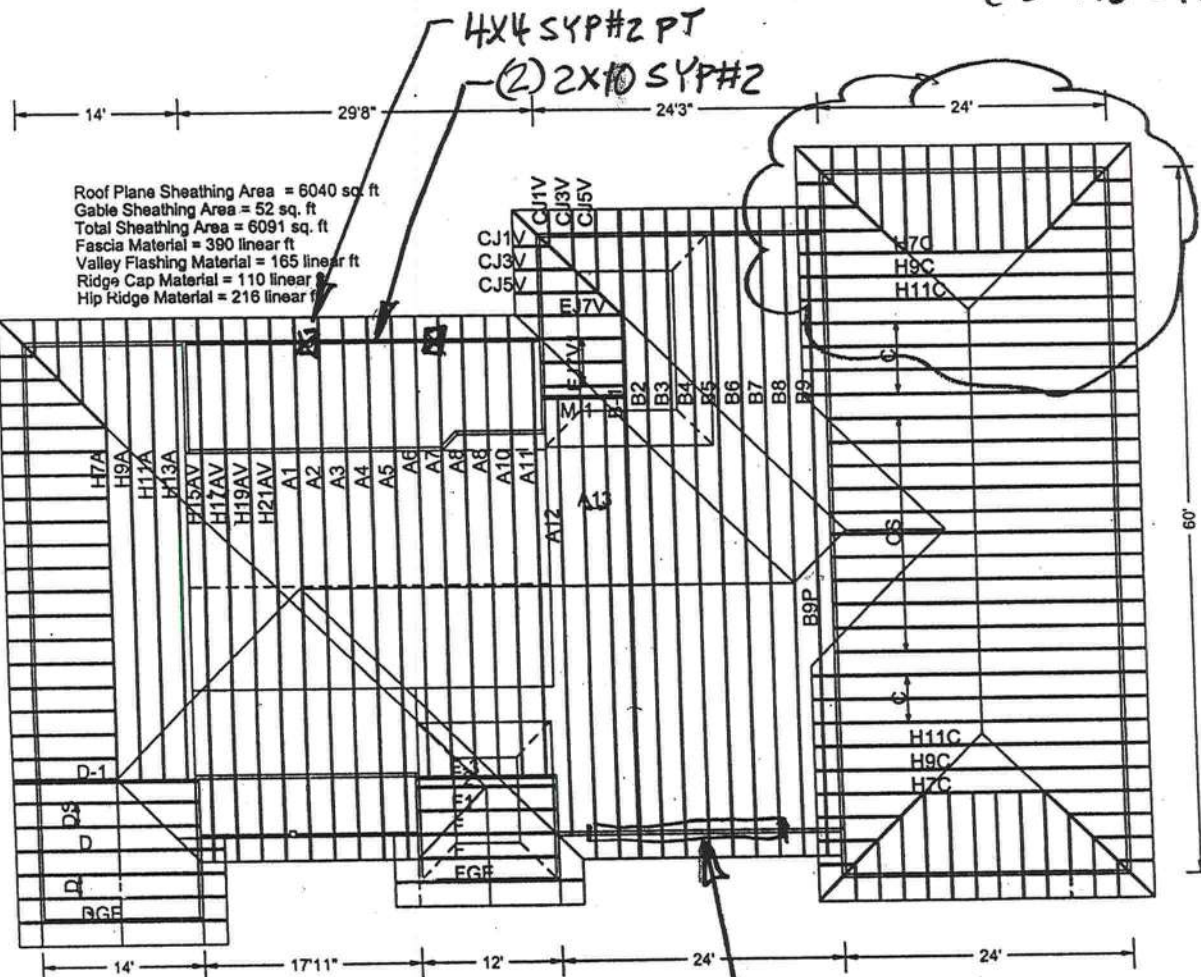
2'X2'X12" THICKENED SLAB
(3) #5 EACH WAY
4X4 SYP POST W/ABV44

LOFT FRAMING



11' SPAN
40 PSF LL
10 PSF DL

3 1/2 X 9 1/4 GLB
OR
(5) 2X8 SYP #2



TED BRYAN

(4) 1 3/4" X 16" LVL 2.0E
OR (3) 1 3/4" X 18" LVL 2.0E
Fb=2850

Shawn Anderson
(5 AUG 05)

JOB LOCATION:

JOB DESCRIPTION:

TED BRYAN

DESIGNED BY:
SHAWN ANDERSON

JOB NO:
5-314

PAGE NO:
1 OF 1



Cal-Tech Testing, Inc.

- Engineering
- Geotechnical
- Environmental

LABORATORIES

P.O. Box 1625 • Lake City, FL 32056-1625
6919 Distribution Avenue S., Unit #5 • Jacksonville, FL 32257

Tel. (386) 755-3633 • Fax (386) 752-5456
Tel. (904) 262-4046 • Fax (904) 262-4047

23701

December 2, 2005

Fred Perry's Quality Construction
615 S. W. Sabre Avenue
Lake City, Florida 32024

Attention: Fred Perry

Reference: Proposed Bryan Residence
Russwood Estates, Phase 1, Lot 6
Columbia County, Florida
Cal-Tech Project No. 05-627

Dear Mr. Perry,

Cal-Tech Testing, Inc. has completed an investigation and evaluation for the proposed Bryan residence to be constructed at phase 1, lot 6 of Russwood Estates in Columbia County, Florida. The purposes of our work were to evaluate the potential for flooding of a home to be constructed at the site and to provide recommendations for selecting a finished floor elevation.

Based upon the U.S.G.S. "Lake Cite West" quadrangle map, the centerline of Mount Carmel Road adjacent the lot has an elevation of approximately 96.0 feet. Using this elevation as a reference, the proposed finished floor has an elevation of approximately 96.54 feet or only about 6.5 inches above the adjacent roadway.

Columbia County regulations require the finished floor of a new residence to be at least 12 inches above the elevation of the adjacent roadway unless it can be shown that such an elevation is not required to substantially reduce the likelihood of flooding.

Based upon the FEMA flood map, a small flood area is located approximately 1,000 feet west of the proposed building site. The flood elevation for this area has not been determined by FEMA; however, based upon the delineated flood area, this elevation is estimated to be about 87.0 to 88.0 feet. Thus the finished floor of the residence will be at least 8.5 feet above the local flood elevation. Based upon this elevation difference, it is our opinion elevating the floor of the residence to 12 inches above the adjacent roadway will not be required.

We recommend you maintain the proposed finished floor elevation of approximately 96.54 feet.

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 10-4S-16-02853-106

Building permit No. 000023701

Use Classification SFD, UTILIT

Fire: 29.60

Permit Holder FREDRICK PERRY

Waste: 61.25

Owner of Building THEODORE & CATHERINE BRYAN

Total: 90.85

Location: 997 SW TROY STREET(RUSSWOOD EST., LOT 6)

Date: 05/31/2006

Building Inspector

Tony Deike



POST IN A CONSPICUOUS PLACE
(Business Places Only)