

DATE 12/30/2005

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000024002

APPLICANT VIOLET STALNAKER PHONE 454-1407
ADDRESS 20605 N HWY 441 HIGH SPRINGS FL 32643
OWNER DONAD DAVIS PHONE 454-8351
ADDRESS 163 SW THISTLE WOOD LN FORT WHITE FL 32038
CONTRACTOR DONALD DAVIS PHONE
LOCATION OF PROPERTY 47 S, L 27, L 18, L GREENWOOD TERR, L THISTLEWOOD,
2ND ON RIGHT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 93850.00
HEATED FLOOR AREA 1877.00 TOTAL AREA 2812.00 HEIGHT 19.10 STORIES 1
FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB
LAND USE & ZONING FORT WHITE MAX. HEIGHT
Minimum Set Back Requirments: STREET-FRONT REAR SIDE
NO. EX.D.U. 0 FLOOD ZONE DEVELOPMENT PERMIT NO.

PARCEL ID 34-6S-16-04056-115 SUBDIVISION THORNWOOD
LOT 15 BLOCK PHASE UNIT TOTAL ACRES 1.00

000000932
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
PERMIT 05-1155-N BK JH N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE
TOWN OF FT. WHITE COMPLIANCE LETTER RECIEVED
Check # or Cash 1080

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$ 470.00 CERTIFICATION FEE \$ 14.06 SURCHARGE FEE \$ 14.06
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ 25.00 TOTAL FEE 598.12

INSPECTORS OFFICE L.H. CLERKS OFFICE CH

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

COLUMBIA COUNTY OFFICE OF 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 34-6S-16-04056-115

Building permit No. 000024002

Use Classification SFD, UTILITY

Fire: 11.84

Permit Holder DONALD DAVIS

Waste: 0.00

Owner of Building DONALD DAVIS

Total: 11.84

Location: 163 SW THISTLE WOOD LANE (THORNWOOD LOT 15)

Date: 08/16/2006



[Signature]

Building Inspector

COPY

POST IN A CONSPICUOUS PLACE
(Business Places Only)

**Columbia County Building Department
Culvert Permit**

**Culvert Permit No.
000000932**

DATE 12/30/2005 PARCEL ID # 34-6S-16-04056-115

APPLICANT VIOLET STALNAKER PHONE 454-1407

ADDRESS 20605 N HWY 441 HIGH SPRINGS FL 32643

OWNER DONAD DAVIS PHONE 454-8351

ADDRESS 163 SW THISTLE WOOD LN FORT WHITE FL 32038

CONTRACTOR DONALD DAVIS PHONE _____

LOCATION OF PROPERTY 47 S, L 27, L 18, L GREENWOOD TERR, L THISTLEWOOD,

2ND ON RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT THORNWOOD 15

SIGNATURE *Violet Davis Stalaker*

INSTALLATION REQUIREMENTS

☒

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

INSTALLATION NOTE: Turnouts will be required as follows:

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

☐

Culvert installation shall conform to the approved site plan standards.

☐

Department of Transportation Permit installation approved standards.

☐

Other _____

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

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

Amount Paid 25.00



Columbia County Building Permit Application

Revised 9-23-04

or Office Use Only Application # 0512-13 Date Received 12/6 By JW Permit # 932/2402
 Application Approved by - Zoning Official _____ Date _____ Plans Examiner OKJTH Date 12-28-05
 Flood Zone _____ Development Permit _____ Zoning _____ Land Use Plan Map Category _____
 Comments Down 7 ft water

Applicants Name Donnie Davis / Violet Stalnaker / Tammy Davis Phone 386 454-1407
 Address 20605 N Hwy 441
 Owners Name Donald R Davis Phone 386 454-8351
 111 Address 163 S.W. Thistle Wood LN, Ft. White, FL 32038
 Contractors Name Donald R Davis Phone 386 454-8351
 Address 19740 S. Hwy 441, High Springs FL 32643
 See Simple Owner Name & Address N/A
 Bonding Co. Name & Address N/A
 Architect/Engineer Name & Address Mark Disosway P.E. PO 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 34-65-16-04056-115 Estimated Cost of Construction 160,000

Subdivision Name Thornwood Lot 15 Block _____ Unit _____ Phase _____

Living Directions Take Hwy 47 out of Lake City to Ft. White, Turn Left on Hwy 27, Turn left on Hwy 18, Thornwood Subdivision on left, Go to end turn right left lot 15 on Right (Greenwood Terr) on Thistewood Lane 2nd on right

Type of Construction SFD / Wood frame Number of Existing Dwellings on Property 0

Total Acreage 1 Lot Size _____ Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 63.25 Side 66.3 Side 65 Rear 165.16

Total Building Height 19'10 Number of Stories 1 Heated Floor Area 1877 Roof Pitch 6/12
PORCHES 414 GARAGE 520 Living 1877 TOTAL 2812

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.

Donald R Davis
 Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
 this 10th day of November 20 05.
 Personally known ✓ or Produced Identification _____



Contractor Signature
 License Number
 Competency Card Number
 NOTARY STAMP/SEAL

Notary Signature

Notary Signature

Town of Fort White

Post Office Box 129 Fort White, Florida 32038-0129
Town Hall - (386) 497-2321 • Public Works - (386) 497-3345
Email: townofftwhite@alltel.com • Web site: Townoffortwhitefl.com

CERTIFICATE OF COMPLIANCE & REQUEST FOR ISSUANCE OF BUILDING PERMIT

The undersigned hereby certify the following property is in compliance with the Town of Fort
White's Comprehensive Plan and Land Development Regulations for the stated development purposes:

OWNER'S NAME: Donald Davis / High Springs Construction

ADDRESS: 20605 N. Hwy 441 High Springs, FL 32643

PROPERTY DESCRIPTION: #04056-115
(parcel number if possible)

DEVELOPMENT: SFR(Single Family Residence)

You are hereby authorized to issue the appropriate building permits.

11/18/05
DATE


LAND DEVELOPMENT REGULATION
ADMINISTRATOR
TOWN OF FORT WHITE

District #1
Donald Cook
497-1086

District #2
Henry Maini
497-2992

District #3
John Gloskowski
497-3999

District #4
Demetric Jackson
497-2078

Mayor
Truett George
497-4741



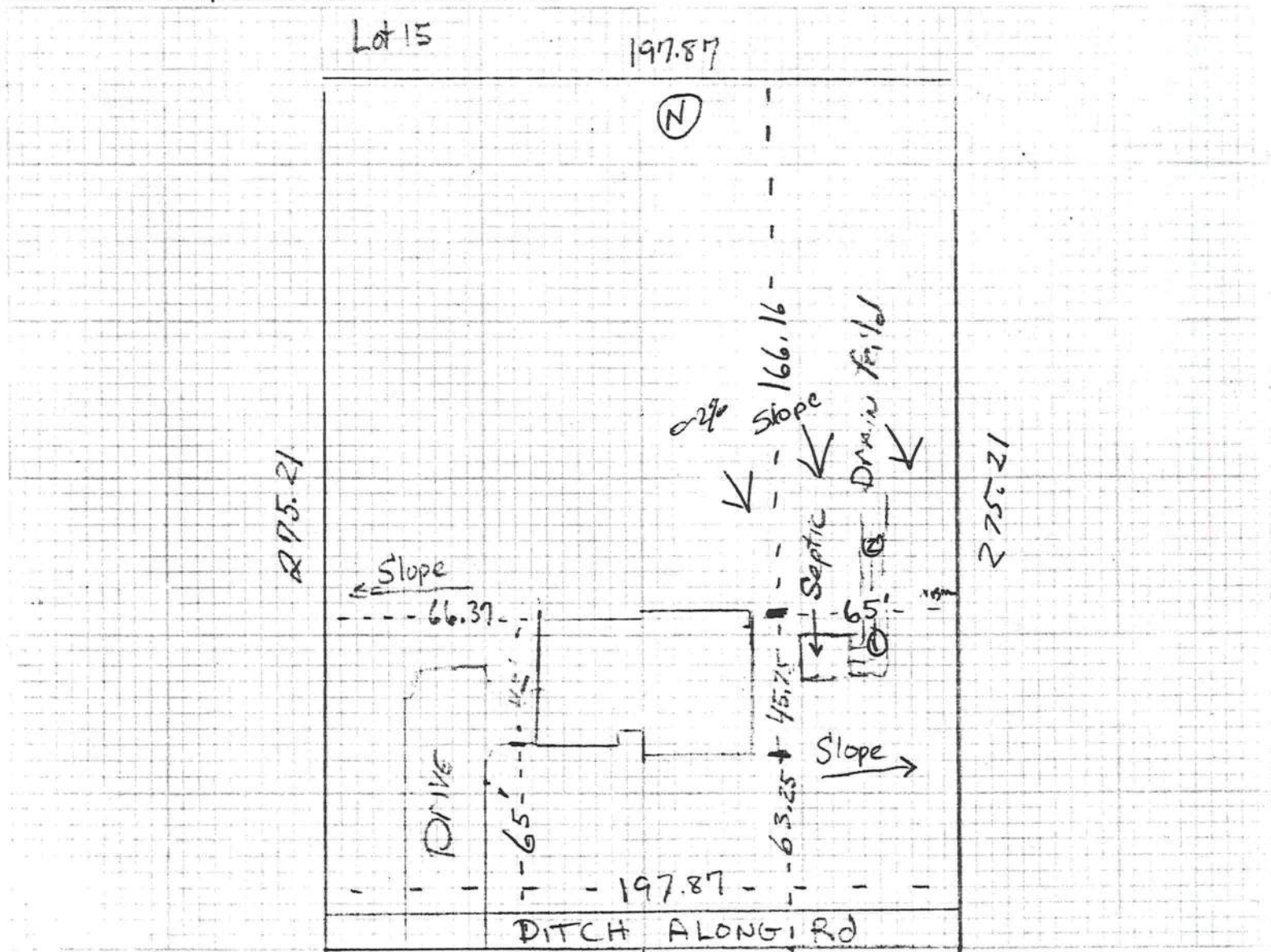
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 05-1155N

PART II - SITE PLAN

Scale: Each block represents 5 feet and 1 inch = 50 feet.



Notes: Septic tank within 10 feet of house, city water,
Ditch along roadway, very little closer to edge of lot, septic
should be about 45 feet from side property line.

Site Plan submitted by: Donald D. [Signature]

Signature

Plan Approved ☒

Not Approved ☐

Title

Date 11/16/05

By [Signature]

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

**Columbia County Property
Appraiser**

DB Last Updated: 9/16/2005

Parcel: 34-6S-16-04056-115

2005 Proposed Values

Tax Record

Property Card

Interactive GIS Map

Print

Owner & Property Info

Search Result: 1 of 1

Owner's Name	IMAGE DEVELOPMENT GROUP LLC
Site Address	
Mailing Address	20074 NW 258TH DR HIGH SPRINGS, FL 32643
Brief Legal	LOT 15 THORNWOOD S/D WD 1030-2804

Use Desc. (code)	VACANT (000000)
Neighborhood	16.00
Tax District	4
UD Codes	MKTA02
Market Area	02
Total Land Area	1.250 ACRES

Property & Assessment Values

Mkt Land Value	cnt: (1)	\$18,500.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$18,500.00

Just Value	\$18,500.00
Class Value	\$0.00
Assessed Value	\$18,500.00
Exempt Value	\$0.00
Total Taxable Value	\$18,500.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
NONE						

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
NONE						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
NONE						

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000000	VAC RES (MKT)	1.000 LT - (1.250AC)	1.00/1.00/1.00/1.00	\$18,500.00	\$18,500.00

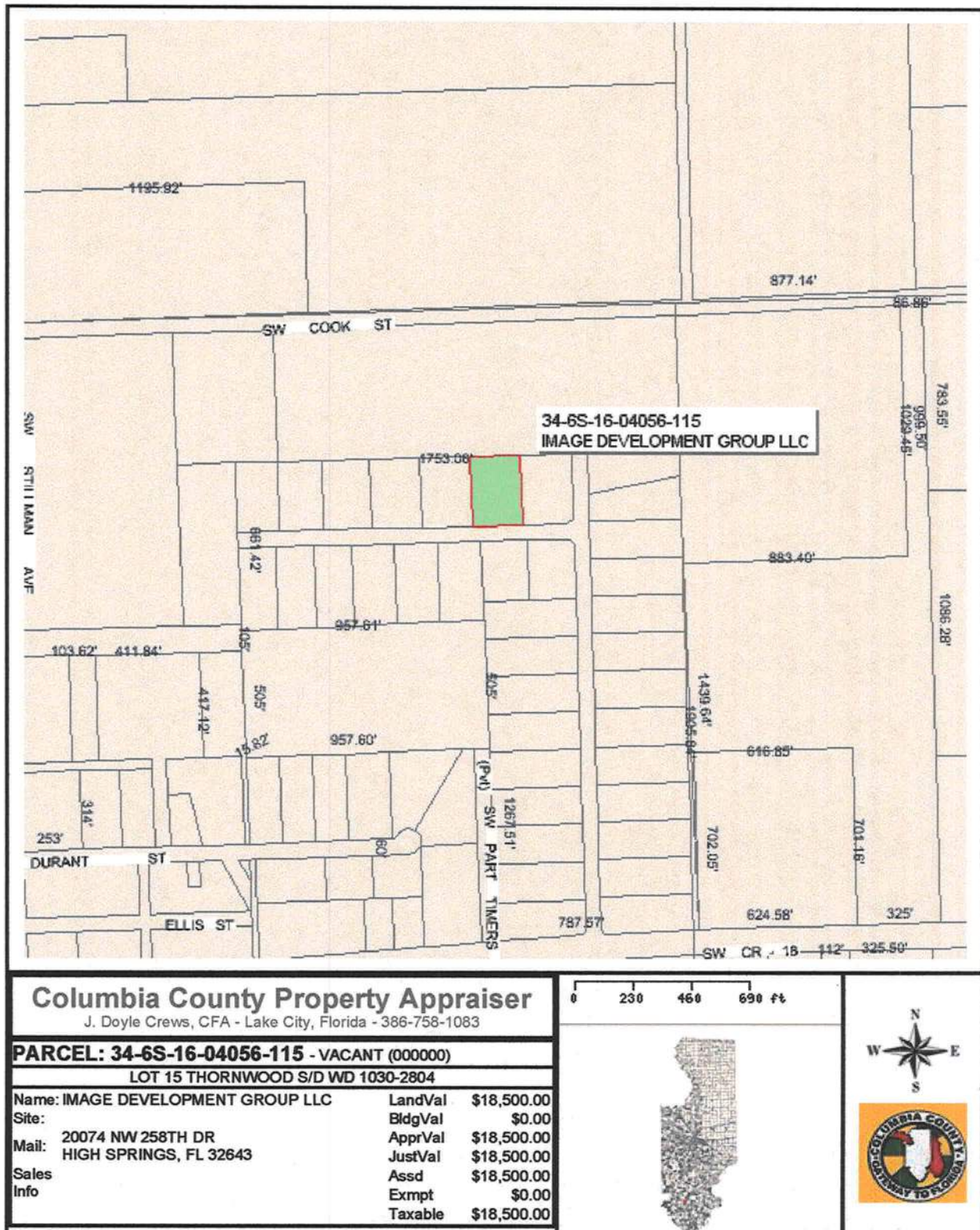
Columbia County Property Appraiser

DB Last Updated: 9/16/2005

1 of 1

Disclaimerhttp://appraiser.columbiacountyfla.com/GIS/D_SearchResults.asp

12/8/2005



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

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.

- Parcel ID Number 34-65¹⁶-04056-115 (34-65-14-04056-115)
1. Description of property: (legal description of the property and street address or 911 address)
Lot 15 of Thornwood according to the plat thereof as recorded in
plat Book 7, Page 202, 203, and 204, Public Records of Columbia
County, Florida
11 address - 163 SW Thistlewood, Ft White, FL 32038
 2. General description of Improvement: Build new home
 3. Owner Name & Address Donald R Davis
19740 S Hwy 441, High Springs, FL 32643 Interest In Property 100%
 4. Name & Address of Fee Simple Owner (If other than owner): _____
 5. Contractor Name High Springs Construction, Inc Phone Number 386-454-1407
Address 19740 S Hwy 441, High Springs, FL 32643
 6. Surety Holders Name none Phone Number _____
Address NA Inst:2005028122 Date:11/10/2005 Time:11:03
Amount of Bond NA MK DC,P.Dewitt Cason,Columbia County B:1064 P:2097
 7. Lender Name NA 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 _____ Phone Number _____
Address _____
 9. In addition to himself/herself the owner designates _____ of _____
_____ to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -
(a) 7. Phone Number of the designee _____
 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.

Donald R Davis
Signature of Owner

Sworn to (or affirmed) Know Personally and subscribed before
day of OCT. 24, 2005

NOTARY STAMPTSEANWAGER
Comm# 88040880
Expires 2/14/2008
Bonded \$10,000 (904) 433-4254
Florida Notary Assn., Inc

Violet Stalmaker
Signature of Notary

cc 18.50
Doc 370.30
368.80

Prepared by and return to:
Kelley D. Jones
Attorney at Law
Kelley D. Jones, P.A.
5800 N.W. 39th Avenue Ste 102
Gainesville, FL 32606
352-377-2004
File Number: 05-304

Inst:2005025099 Date:10/10/2005 Time:09:24
Doc Stamp-Deed : 370.30
MK DC, P. DeWitt Cason, Columbia County B:1061 P:660

[Space Above This Line For Recording Data]

Warranty Deed

This Warranty Deed made this 30th day of September, 2005 between **Image Development Group, LLC**, a Florida Limited Liability Corporation whose post office address is 20074 N.W. 258th Drive, High Springs, FL 32643, grantor, and **Donald R. Davis** whose post office address is 19740 S. US Hwy 441, High Springs, FL 32643, 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 15 of Thornwood, according to the map or plat thereof as recorded in Plat Book 7, Pages 202, 203 and 204, Public Records of Columbia County, Florida.

Parcel Identification Number: 34-6S-16-04056-115

Subject to taxes for 2005 and subsequent years; covenants, conditions, restrictions, easements, reservations and limitations of record, if any.

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.

Signed, sealed and delivered in our presence:

Witness Name: Donna M. Gilley

Witness Name: Kelley D. Jones

Image Development Group, LLC, a Florida Limited Liability Corporation

By: Robert K. Clark, Managing Member

State of Florida
County of Alachua

The foregoing instrument was acknowledged before me this 30th day of September, 2005 by Robert K. Clark, Managing Member of Image Development Group, LLC, a Florida Limited Liability Corporation, on behalf of said firm. He ☐ is personally known or ☒ has produced a driver's license as identification.

[Notary Seal]



Notary Public

Printed Name:

My Commission Expires:

Inst:2005025088 Date:10/0/2005 Time:09:24
Doc Stamp Deed : 370.30
DC, P. Dewitt Cason, Columbia County B:1061 P:661

Lot Lay out

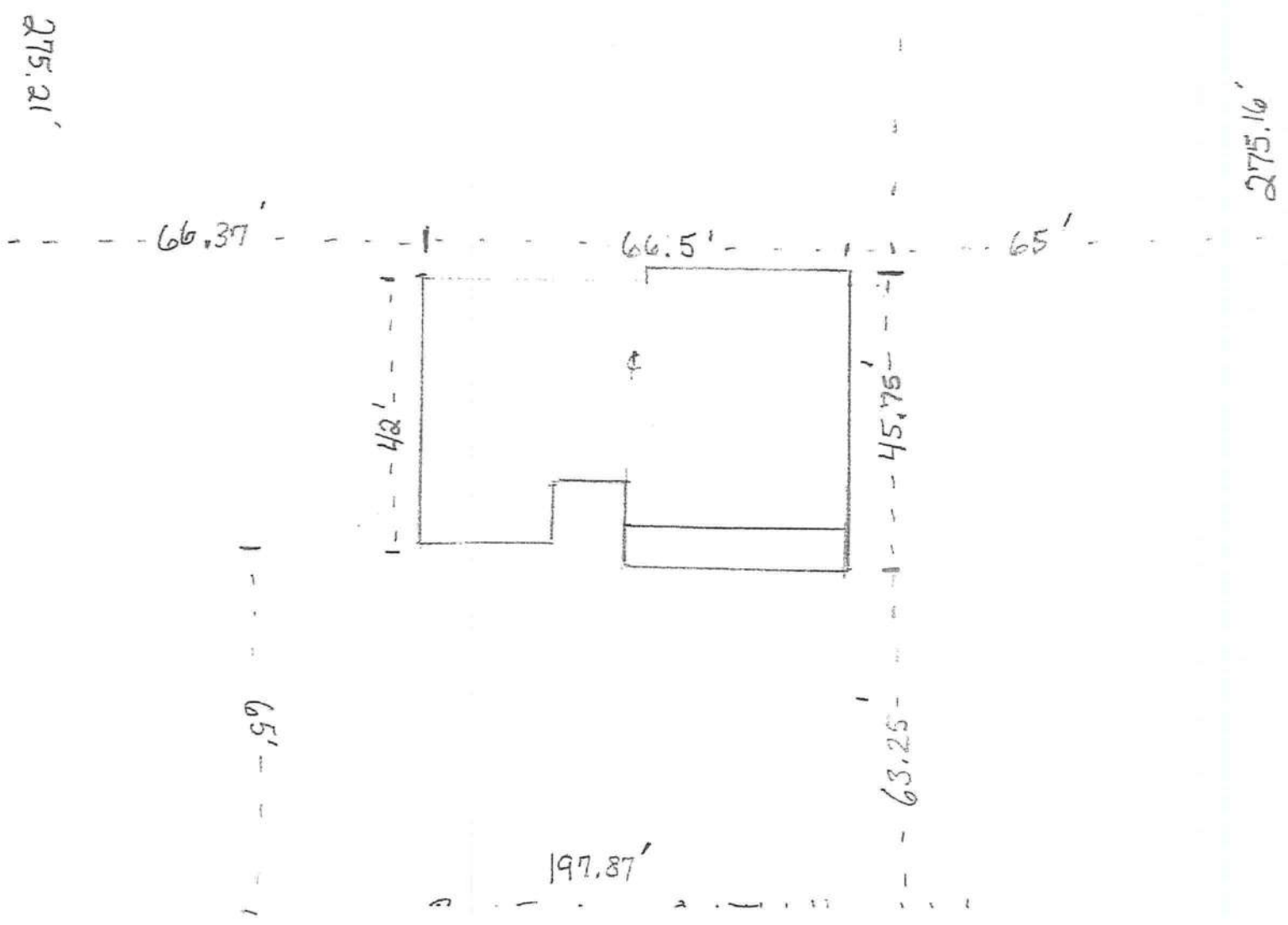
Lot 15.

Thornwood Sub,
Ft. White Fl.

197.87

(N)

Scale 1" = 25'



FLORIDA ENERGY EFFICIENCY CODE
FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	THORNWOOD LOT 15	Builder:	HIGH SPRINGS CONSTRUCT
Address:		Permitting Office:	COLUMBIA COUNTY
City, State:	,	Permit Number:	
Owner:		Jurisdiction Number:	221000
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 42.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 12.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	1878 ft²		
7. Glass area & type	Single Pane Double Pane	13. Heating systems	
a. Clear glass, default U-factor	21.0 ft² 292.0 ft²	a. PTHP	Cap: 42.0 kBtu/hr
b. Default tint, default U-factor	0.0 ft² 0.0 ft²		COP: 3.40
c. Labeled U-factor or SHGC	0.0 ft² 0.0 ft²	b. N/A	
8. Floor types		c. N/A	
a. Slab-On-Grade Edge Insulation	R=0.0, 174.5(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 40.0 gallons
c. N/A			EF: 0.90
9. Wall types		b. N/A	
a. Frame, Wood, Exterior	R=13.2, 1411.0 ft²	c. Conservation credits	
b. Frame, Wood, Adjacent	R=12.9, 301.0 ft²	(HR-Heat recovery, Solar	
c. N/A		DHP-Dedicated heat pump)	
d. N/A		15. HVAC credits	
e. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		HF-Whole house fan,	
a. Under Attic	R=30.0, 1878.0 ft²	PT-Programmable Thermostat,	
b. N/A		MZ-C-Multizone cooling,	
c. N/A		MZ-H-Multizone heating)	
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 50.0 ft		
b. N/A			

Glass/Floor Area: 0.17

Total as-built points: 24344
Total base points: 28794

PASS

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

PREPARED BY: Larry Resmondo A/c

DATE: October 19, 2005

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: , , ,

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	1878.0	20.04	6774.3	Double, Clear	S	1.5	6.0	30.0	35.87	0.86	921.2
				Double, Clear	N	1.5	5.0	16.0	19.20	0.92	281.3
				Double, Clear	E	1.5	3.0	6.0	42.06	0.73	183.1
				Single, Clear	E	4.0	8.0	21.0	47.92	0.73	730.1
				Double, Clear	S	6.0	6.0	60.0	35.87	0.52	1120.3
				Double, Clear	N	1.5	6.0	60.0	19.20	0.94	1081.3
				Double, Clear	S	6.0	8.0	14.0	35.87	0.57	283.9
				Double, Clear	N	7.0	6.0	60.0	19.20	0.68	788.2
				Double, Clear	W	1.5	5.0	16.0	38.52	0.88	539.7
				Double, Clear	E	1.5	6.0	30.0	42.06	0.91	1151.8
				As-Built Total:							313.0
WALL TYPES				Area X BSPM = Points		Type	R-Value		Area X SPM = Points		
Adjacent	301.0	0.70	210.7	Frame, Wood, Exterior		13.2		1411.0	1.48	2088.3	
Exterior	1411.0	1.70	2398.7			12.9		301.0	0.61	182.1	
Base Total:		1712.0	2609.4	As-Built Total:		1712.0		2270.4			
DOOR TYPES				Area X BSPM = Points		Type	Area X SPM = Points				
Adjacent	21.0	2.40	50.4	Exterior Wood		21.0		6.10	128.1		
Exterior	21.0	6.10	128.1			21.0		2.40	50.4		
Base Total:		42.0	178.5	As-Built Total:		42.0		178.5			
CEILING TYPES				Area X BSPM = Points		Type	R-Value		Area X SPM X SCM = Points		
Under Attic	1878.0	1.73	3248.9	Under Attic		30.0		1878.0	1.73 X 1.00	3248.9	
Base Total:		1878.0	3248.9			1878.0		3248.9			
FLOOR TYPES				Area X BSPM = Points		Type	R-Value		Area X SPM = Points		
Slab	174.5(p)	-37.0	-6456.5	Slab-On-Grade Edge Insulation		0.0		174.5(p)	-41.20	-7189.4	
Raised	0.0	0.00	0.0								
Base Total:		-6456.5	As-Built Total:		174.5		-7189.4				
INFILTRATION				Area X BSPM = Points		Area X SPM = Points					
1878.0		10.21	19174.4			1878.0		10.21	19174.4		

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT											
Summer Base Points: 25529.0				Summer As-Built Points: 24763.6											
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)						
25529.0		0.4266		10890.7	24763.6		1.000		(1.090 x 1.147 x 1.00)		0.284		1.000		8805.6
					24763.6		1.00		1.250		0.284		1.000		8805.6

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

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	1878.0	12.74	4306.6	Double, Clear	S	1.5	6.0	30.0	13.30	1.12	445.8
				Double, Clear	N	1.5	5.0	16.0	24.58	1.00	394.7
				Double, Clear	E	1.5	3.0	6.0	18.79	1.12	126.3
				Single, Clear	E	4.0	8.0	21.0	26.41	1.12	621.1
				Double, Clear	S	6.0	6.0	60.0	13.30	2.73	2179.3
				Double, Clear	N	1.5	6.0	60.0	24.58	1.00	1478.2
				Double, Clear	S	6.0	8.0	14.0	13.30	2.27	421.8
				Double, Clear	N	7.0	6.0	60.0	24.58	1.02	1504.7
				Double, Clear	W	1.5	5.0	16.0	20.73	1.03	343.2
				Double, Clear	E	1.5	6.0	30.0	18.79	1.04	583.8
				As-Built Total:							313.0
WALL TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Adjacent	301.0	3.60	1083.6	Frame, Wood, Exterior	13.2			1411.0	3.36	4741.0	
Exterior	1411.0	3.70	5220.7	Frame, Wood, Adjacent	12.9			301.0	3.32	997.8	
Base Total:		1712.0	6304.3	As-Built Total:		1712.0			5738.8		
DOOR TYPES Area X BWPM = Points				Type				Area X WPM = Points			
Adjacent	21.0	11.50	241.5	Exterior Wood				21.0	12.30	258.3	
Exterior	21.0	12.30	258.3	Adjacent Wood				21.0	11.50	241.5	
Base Total:		42.0	499.8	As-Built Total:		42.0			499.8		
CEILING TYPES Area X BWPM = Points				Type	R-Value			Area X WPM X WCM = Points			
Under Attic	1878.0	2.05	3849.9	Under Attic	30.0			1878.0	2.05 X 1.00	3849.9	
Base Total:		1878.0	3849.9	As-Built Total:		1878.0			3849.9		
FLOOR TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Slab	174.5(p)	8.9	1553.0	Slab-On-Grade Edge Insulation	0.0			174.5(p)	18.80	3280.6	
Raised	0.0	0.00	0.0								
Base Total:		1553.0	As-Built Total:		174.5			3280.6			
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
1878.0 -0.59 -1108.0				1878.0 -0.59 -1108.0							

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
Winter Base Points:		15405.7		Winter As-Built Points:						20359.9	
Total Winter Points	X	System Multiplier	= Heating Points	Total Component	X	Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Heating Points
15405.7		0.6274	9665.5	20359.9		1.000	(1.069 x 1.169 x 1.00)	0.294	1.000		7483.2
				20359.9		1.00	1.250	0.294	1.000		7483.2

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE					AS-BUILT					
WATER HEATING										
Number of Bedrooms	X	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X Credit = Total Multiplier
3		2746.00		8238.0	40.0	0.90	3		1.00	2684.98 1.00 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
10891		9666		8238 28794	8806		7483		8055 24344

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.5

The higher the score, the more efficient the home.

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 42.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 12.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	1878 ft²		
7. Glass area & type	Single Pane Double Pane	13. Heating systems	
a. Clear glass, default U-factor	21.0 ft² 292.0 ft²	a. PTHP	Cap: 42.0 kBtu/hr
b. Default tint, default U-factor	0.0 ft² 0.0 ft²		COP: 3.40
c. Labeled U-factor or SHGC	0.0 ft² 0.0 ft²	b. N/A	
8. Floor types		c. N/A	
a. Slab-On-Grade Edge Insulation	R=0.0, 174.5(p) ft		
b. N/A		14. Hot water systems	
c. N/A		a. Electric Resistance	Cap: 40.0 gallons
9. Wall types			EF: 0.90
a. Frame, Wood, Exterior	R=13.2, 1411.0 ft²	b. N/A	
b. Frame, Wood, Adjacent	R=12.9, 301.0 ft²	c. Conservation credits	
c. N/A		(HR-Heat recovery, Solar	
d. N/A		DHP-Dedicated heat pump)	
e. N/A		15. HVAC credits	
10. Ceiling types		(CF-Ceiling fan, CV-Cross ventilation,	
a. Under Attic	R=30.0, 1878.0 ft²	HF-Whole house fan,	
b. N/A		PT-Programmable Thermostat,	
c. N/A		MZ-C-Multizone cooling,	
11. Ducts		MZ-H-Multizone heating)	
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 50.0 ft		
b. N/A			

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

Builder Signature: _____ Date: _____

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



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

Energy Gauge® 14 Version: FLRCPB v3.4)

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: October 21, 2005

ENHANCED 9-1-1 ADDRESS:

163 SW THISTLEWOOD LN (FORT WHITE, FL 32038)

Addressed Location 911 Phone Number: NOT AVAIL.

OCCUPANT NAME: NOT AVAIL.

OCCUPANT CURRENT MAILING ADDRESS: _____

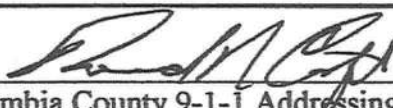
PROPERTY APPRAISER PARCEL NUMBER: 34-6S-16-04056-115

Other Contact Phone Number (If any): _____

Building Permit Number (If known): _____

Remarks: LOT 15 THORNWOOD 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

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525
(exp. 10/31/2005)

This form is completed by the licensed Pest Control Company.

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

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

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

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

24002

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: 301 NW Cole Terrace City Lake City State FL Zip 32055
Company Business License No. JB109476 Company Phone No. 386-755-3611
FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name: High Springs Construction Co. Company Phone No. 454-1417
cell - 623-0499

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) Thornwood Subdivision
1163 SW Thistlewood Ln. Lot # 15
Ft. White, FL 32038 Ft. White, FL 32038
Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other _____
Approximate Depth of Footing: Outside 1' Inside 2' Type of Fill Sand

Section 4: Treatment Information

Date(s) of Treatment(s) 1/31/06
Brand Name of Product(s) Used Termidor
EPA Registration No. 7969-210
Approximate Final Mix Solution % .06%
Approximate Size of Treatment Area: Sq. ft. 2812 Linear ft. 352 Linear ft. of Masonry Voids 334
Approximate Total Gallons of Solution Applied 703 gals.
Was treatment completed on exterior? ☐ Yes ☒ No
Service Agreement Available? ☒ Yes ☐ No

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

Attachments (List) _____

Comments _____

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

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

Authorized Signature [Signature] Date 1/31/06

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

Form NPCA-99-B may still be used

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

Reorder Product #2581 • from CROWNMAX • 1-800-252-4011

Whitfield
WINDOW & DOOR

Chris Whitfield
(o) 386-454-0295
(f) 386-454-0395
(m) 386-623-6618
(e)
26042 NW 166th Ave
High Springs, FL 32643

Mrs. Davis

These are the Florida Product Approval #'s you need.

Capitol 650 series windows FL5438.16

Glass Block window FL4018.1

Exterior Doors FL4904.1
FL4904.3

I have also faxed over the Installation Instructions

Let me know if you need anything else.



- Series 165 Single Hung and Fixed Windows
- Series 650 Single Hung and Fixed Windows
- Series 168 Horizontal Slider and Fixed Windows
- Series 680 Horizontal Slider and Fixed Windows

NOTE: SEE INDIVIDUAL TEST REPORT(S) FOR DP RATINGS AND MAXIMUM ALLOWABLE SIZES.

INSTALLATION INSTRUCTIONS FOR **"APPROVED FOR FLORIDA" ALUMINUM FIN WINDOWS**

Capitol Windows & Doors appreciates your recent purchase of a maintenance free prime window, which will not rust, rot, mildew, or warp. This is a quality product that left our factory in good condition – proper handling and installation are just as important as good design and workmanship. Please follow these recommendations to allow this product to complete its function.

1. Handle units one at a time in the closed and locked position and take care not to scratch frame or glass or to bend the nailing fin. Place a continuous bead of caulk on the back side of nail fin (mounting flange).
2. Set unit plumb and square into opening and make sure that there is $3/16" \pm 1/16"$ clearance around the frame. Fasten unit into opening in the closed and locked position, making sure that fasteners are screwed in straight in order to avoid twisting or bowing of the frame. Make sure that sill is straight and level. Check operation of unit frequently as fasteners are set.
3. Use # 8 sheet metal or wood screws with a minimum of 1" penetration into the framing (stud). Place first screws (two at each corner) 3" from end of fin. For positive and negative DPs (design pressures) up to 35, do not exceed 24" spacing of additional screws. For DPs from 35.1 to 50, do not exceed 18" spacing.
4. Caulk entire perimeter of fin to mounting surface joint and caulk over screw heads.
Note: this step can be eliminated if 4" wide adhesive type flashing is used (sill 1st., jambs 2nd., head 3rd.).
5. Fill voids between frame and construction with loose batten type insulation or non-expanding aerosol foam specifically formulated for windows and doors to eliminate drafts. The use of expanding aerosol type insulating foam, which can bow the frame, waives all stated warranties.
6. Remove plaster, mortar, paint, and debris that has collected on the unit and make sure that sash/vent tracks and interlocks are also clean. Do not use abrasives, solvents, ammonia, vinegar, alkaline, or acid solutions for clean-up, especially with insulated glass units as their use could cause chemical breakdown of the glass seal. Take care not to scratch glass; scratches severely weaken glass and it could eventually break from thermal expansion and contraction. Clean units with water and mild detergent.

- CAUTION -

Capitol Windows & Doors or its representatives are unable to control and cannot assume responsibility for the selection and placement of their products in a building or structure in a manner required by laws, statutes, and/or building codes. The purchaser is solely responsible for knowledge of and adherence to the same. BetterBilt window products are not provided with safety glazing unless specifically ordered with such. Many laws and codes require safety glazing (tempered glass) near doors, bathtubs, and shower enclosures. Also be aware of other code requirements such as emergency egress and structural / energy performance.

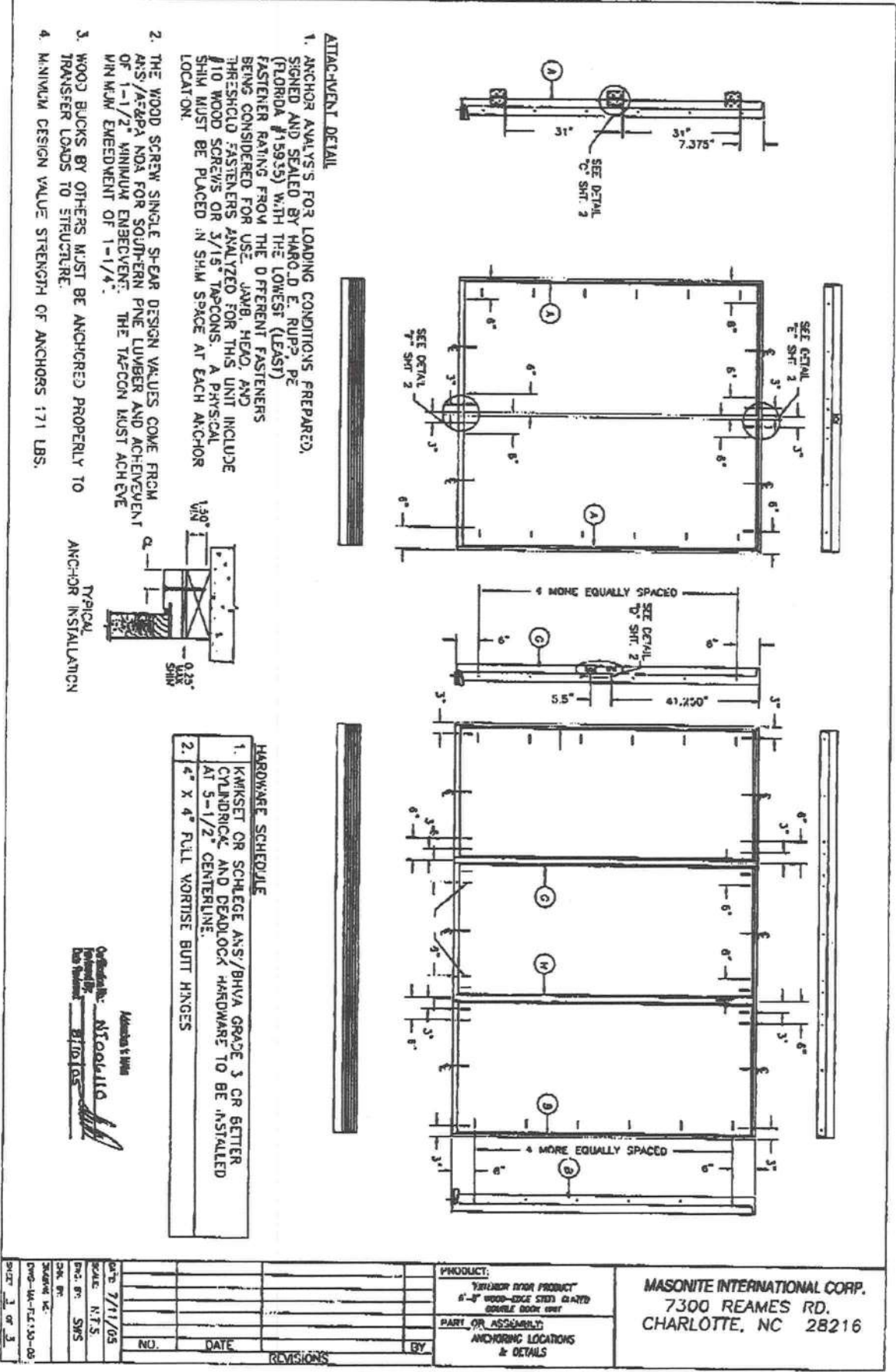
Corporate Headquarters:
M.I. Home Products
650 West Market St.
Gratz, PA 17030-0370
(717) 365-3300

www.mihp.com

JK 221
July 29, 2003



Rev. 7-24-03

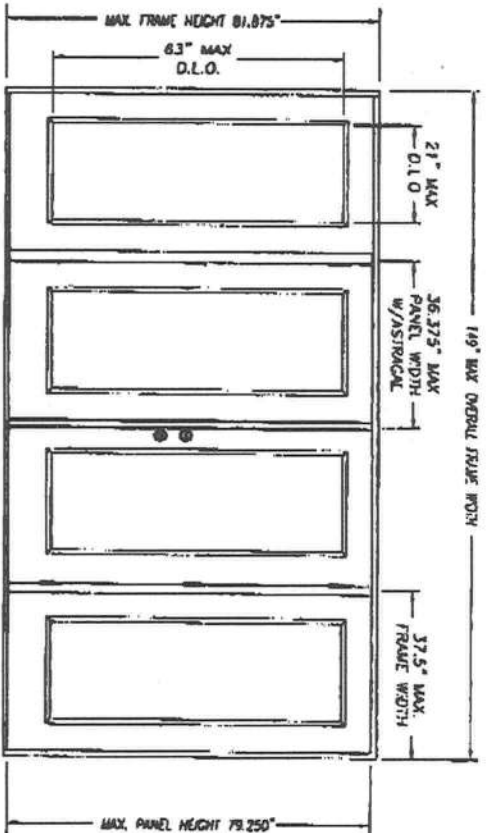






SIDE-HINGED WOOD-EDGE STEEL DOOR UNIT
6'-8" GLAZED DOUBLE DOOR WITH / WITHOUT SIDELITES

- GENERAL NOTES
1. EVALUATED FOR USE IN LOCATIONS SUBJECT TO WIND LOADS AS SPECIFIED IN THE MASONITE RECORDS (AS OBTAINED) BY ASSET 7. MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES DOES NOT EXCEED THE DESIGN PRESSURES LISTED.
 2. MASONITE PROTECTIVE SYSTEM (S-UNITES) IS REQUIRED.
 3. POLYURETHANE CORE PLATE SPECIFIC INDEX OF 50 AND SMOKE DEVELOPED INDEX OF 60 PER ASTM E84.
 4. PLASTICS TESTING OF LIFE FRAME MATERIALS.
- TEST DESCRIPTION DESIGNATION RESULT
- | | | |
|--------------------|------------|-----------------|
| SELF-EXTINGUISHING | ASTM D-970 | 800 °F > 850 °F |
| FLAME SPREAD | ASTM D-970 | 1.10 B/AN |
| SMOKE DENSITY | ASTM D2843 | 60.00 |
| DOOR STRENGTH | ASTM D2843 | -7.488 D/F |
- * COMPARE TESTED SPECIFIC AFTER BURNING
4900 NO. 15 KIDON ABC BURNING 1



DOUBLE HINGING UNIT W/SIDELITES

MADE IN U.S.A.
MASONITE
BY: [Signature]
DATE: [Blank]

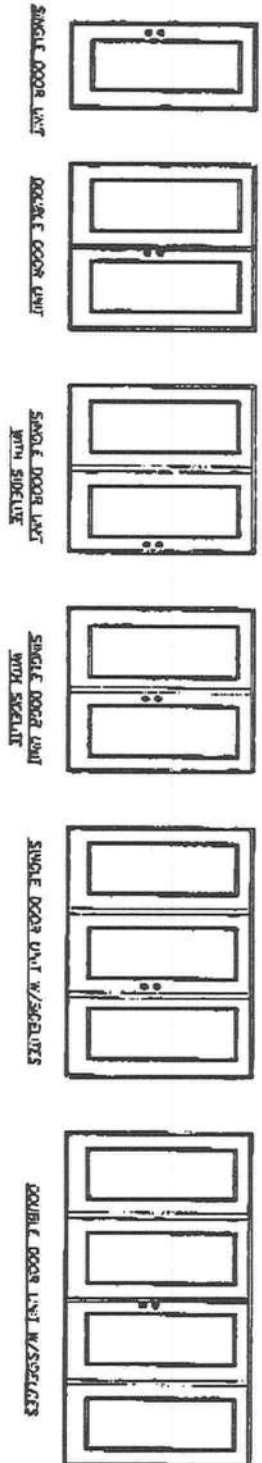
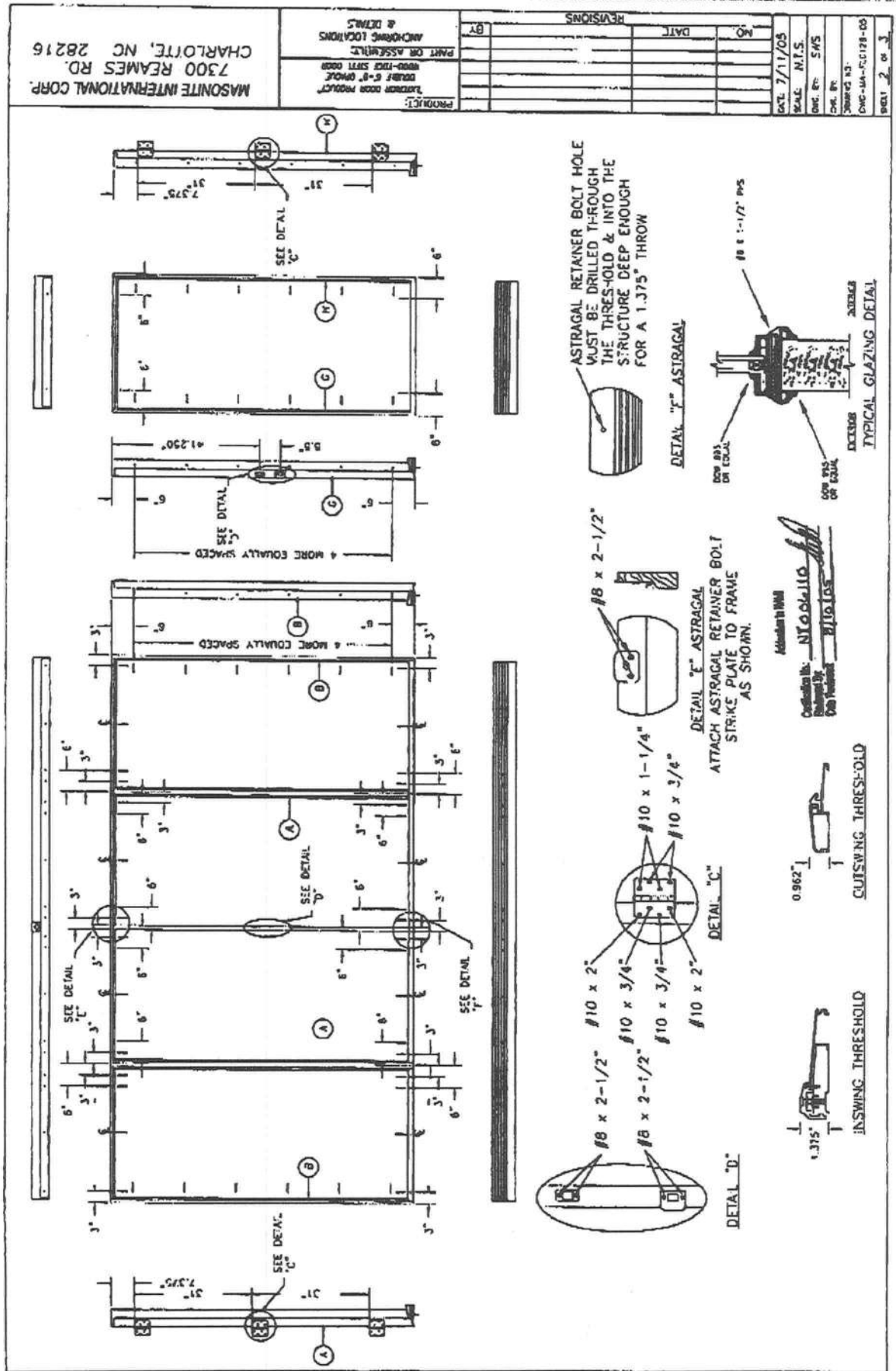


TABLE OF CONTENTS

SHEET #	DESCRIPTION
1	TYPICAL ELEVATIONS & GENERAL NOTES
2	ADDITIONAL ELEVATIONS & DETAILS
3	ADDITIONAL ELEVATIONS & DETAILS

COND. C	MAX. WIDTH	DESIGN PRESS. - IN. RATING	WIND WATER PENETRATION PERFORMANCE IS
XX	37.5"	INSWING: +50.5 / -50.5 OUTSWING: +50.5 / -50.5	WIND: +13.0 / -13.0 WATER: +50.5 / -50.5
XX	74"	INSWING: +50.5 / -50.5 OUTSWING: +50.5 / -50.5	WIND: +13.0 / -13.0 WATER: +50.5 / -50.5
XX	75"	INSWING: +50.5 / -50.5 OUTSWING: +50.5 / -50.5	WIND: +13.0 / -13.0 WATER: +50.5 / -50.5
XX	112.3"	INSWING: +50.5 / -50.5 OUTSWING: +50.5 / -50.5	WIND: +13.0 / -13.0 WATER: +50.5 / -50.5
XX	143"	INSWING: +50.5 / -50.5 OUTSWING: +50.5 / -50.5	WIND: +13.0 / -13.0 WATER: +50.5 / -50.5

MASONITE INTERNATIONAL CORP. 7300 REAMES RD. CHARLOTTE, NC 28216	
PRODUCT: EXTERIOR DOOR PRODUCT DOUBLE 6'8" GLAZED WOOD-EDGE STEEL DOOR	PART OR ASSEMBLY: TYPICAL ELEVATIONS & GENERAL NOTES
DATE: 7/11/05 SCALE: N.T.S. DWG. BY: SWS DWG. NO.: 2005-MA-10130-03	NO. DATE REVISIONS



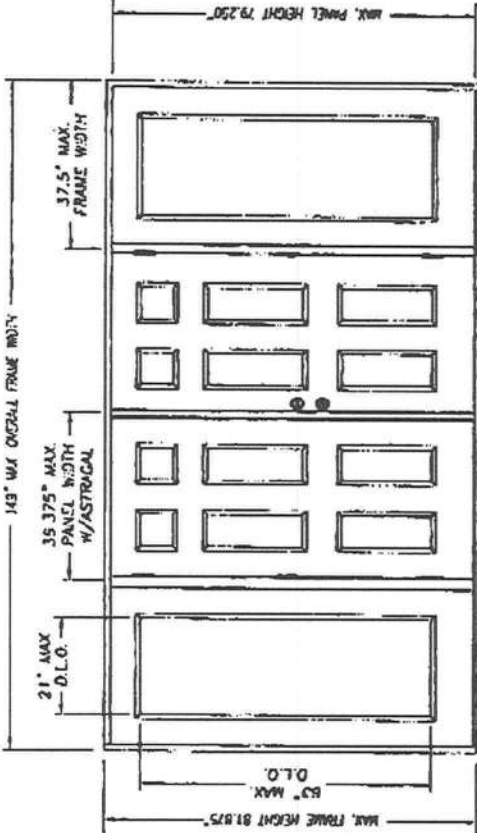
Masonite
SIDE-HINGED WOOD-EDGE STEEL DOOR UNIT
6'-8" DOUBLE DOOR WITH / WITHOUT SIDELITES

GENERAL NOTES

1. EVALUATED FOR USE IN LOCATIONS ADHERING TO THE FLORIDA BUILDING CODE AND WERE PRESSURE-TREATED FOR TERMITE PROTECTION. ALL DIMENSIONS ARE IN INCHES. DIMENSIONS FOR MATERIALS AND OTHER SPECIFICATIONS DOES NOT EXCEED THE DESIGN PRESSURES LISTED.
2. HURRICANE PROTECTIVE SYSTEM (SHATS) IS NOT REQUIRED ON OF-FAIR PANELS, BUT IS REQUIRED ON GLAZED SIDELITES.
3. POLYURETHANE CORE PLANE SPREAD INDEX OF 50 AND SMOKE DEVELOPED INDEX OF 80 PER ASTM E84.
4. PLASTICS TESTING OF LITE FRAME MATERIAL:

TEST DESCRIPTION	DESIGNATION	RESULT
SELF IGNITION TEMP	ASTM D1828	880 °F > 850 °F
RATE OF BURNING	ASTM D635	1.0 IN/MIN
SMOKE DENSITY	ASTM D2543	60 IS
TENSILE STRENGTH*	ASTM D638	-7.485 DFT

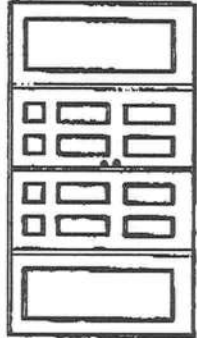
* COMPARATIVE TENSILE STRENGTH AFTER WEATHERING
4500 HOURS ADHOC ARC METHOD 1



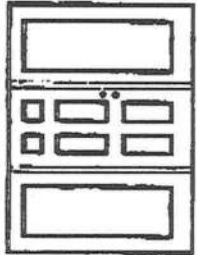
DOUBLE INSULATING UNIT W/SIDELITES

Refer to W-1

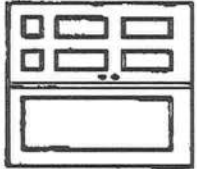
Customer: **NICOLLO**
Project: **21010**
Date: **7/11/05**



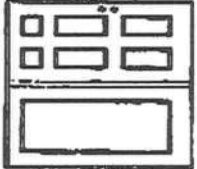
DOUBLE DOOR UNIT W/SIDELITES



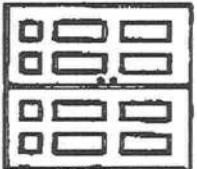
SINGLE DOOR UNIT W/SIDELITES



SINGLE DOOR UNIT WITH SIDELITE



SINGLE DOOR UNIT WITH SIDELITE



DOUBLE DOOR UNIT



SINGLE DOOR UNIT

DESIGN PRESSURE RATING		WHERE WATER INFILTRATION PERFORMANCE IS REQUIRED TO BE 15% OF DESIGN PRESSURE	
		INSULATING	OUTSWING
CC-10	MAX WIDTH		
X	37.5"	+75.0 / -75.0	+19.0 / -19.0
XX	74"	+55.0 / -55.0	+19.0 / -19.0
OR OR XO	75"	+55.0 / -55.0	+19.0 / -19.0
OYO	172.5"	+55.0 / -55.0	+19.0 / -19.0
CXO	149"	+55.0 / -55.0	+19.0 / -19.0

SHEET #	DESCRIPTION
1	TYPICAL ELEVATIONS & GENERAL NOTES
2	ANCHORING LOCATIONS & DETAILS
3	ANCHORING LOCATIONS & DETAILS

MASONITE INTERNATIONAL CORP.
7300 REAMES RD
CHARLOTTE, NC 28216

PRODUCT: LARSON DOOR PRODUCT
DOUBLE 6'8" DOUBLE
WOOD-EDGE STEEL DOOR
PART OR ASSEMBLY:
TYPICAL ELEVATIONS
IN GENERAL NOTES

NO.	DATE	REVISIONS

DATE: 7/11/05
SCALE: N.T.S.
DRAWN BY: SWS
CHECKED BY: SWS
DESIGNED BY: SWS
DWG NO.: 386-454-0395-05
SHEET 1 OF 3

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

0512-13

Reference to: Build permit application Number:

**Donald Davis High Spring Construction /Owner High Spring
Construction lot 15 Thornwood Subdivision Fort White Fl**

On the date of December 8, 2005 application 0512-13 and plans for construction of a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

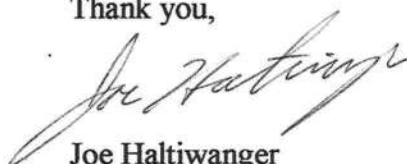
**Please include application number 0512-13 when making
reference to this application.**

1. Application 0512-13 which was filed with the building department on the date of December 6, 2005 and will be reviewed under the Florida Building Code 2004. The Wind Load design by Mr. Disosway was design under the Florida Building Code 2001. The wind Load design should reflect the code sections of the Florida Building Code 2004 that relate to wind Load design code requirements.
2. Please have Mr. Disosway show a drawing of the construction of the dormers, detailing the conventional framing layout including:
 - A .Rafter size, species and spacing
 - B. Attachment of wall to roof and the uplift of the rafters

C. Ridge beam sized and valley framing and support details

3. Please submit product approval specification and product approval number(s) as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 for all material which will be on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit on or after April 1, 2004. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products, **EXTERIOR DOORS_(including the garage doors) WINDOWS, ROOFING, SKYLIGHTS and GLASS BLOCKS**: More information about statewide product approval can be obtained at www.floridabuilding.org

Thank you,



Joe Haltiwanger
Plan Examiner
Columbia County Building Department

Mark Disosway, P.E.

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

December 15, 2005

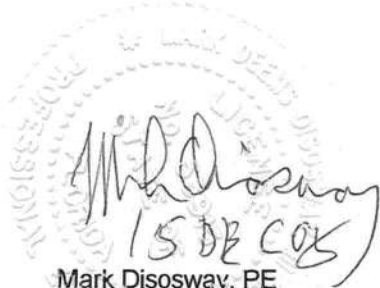
Building Department

Re: Permit # 0512-13 , Donald Davis Construction, Lot 15 Thornwood S/D Columbia County,, FL

Dear Building Official:

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

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



Mark Disosway, PE
Florida Registered Professional Engineer

Cc Donald Davis Construction

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:1SRM487-Z0426115243

Truss Fabricator: Anderson Truss Company
Job Identification: 5-451-HIGH SPRGS CONST.#15 THORNWOOD -- HIGH SPRINGS CONSTRUCTION-LOT 15 THORNWO
Truss Count: 36
Model Code: Florida Building Code
Truss Criteria: ANSI/TPI-2002(STD)/FBC;ANSI/TPI-1995(STD)/FBC
Engineering Software: Alpine Software, Versions 7.04, 7.02.
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
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: A11015EC-GBLLETIN-BRCLBSUB-CNBRGBLK-A11030EC-PIGBACKA

Seal Date: 10/26/2005

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

#	Ref	Description	Drawing#	Date
1	84905--A1GE		05299033	10/26/05
2	84906--A2		05299034	10/26/05
3	84907--A3		05299035	10/26/05
4	84908--A4		05299036	10/26/05
5	84909--A5GE		05299037	10/26/05
6	84910--B1		05299038	10/26/05
7	84911--B2G		05299039	10/26/05
8	84912--C1		05299040	10/26/05
9	84913--C2		05299041	10/26/05
10	84914--C3		05299042	10/26/05
11	84915--C4		05299043	10/26/05
12	84916--C5		05299044	10/26/05
13	84917--C6		05299045	10/26/05
14	84918--C7		05299046	10/26/05
15	84919--C8		05299047	10/26/05
16	84920--C9		05299048	10/26/05
17	84921--C10		05299049	10/26/05
18	84922--C11G		05299050	10/26/05
19	84923--D1GE		05299051	10/26/05
20	84924--D2		05299052	10/26/05
21	84925--D3		05299053	10/26/05
22	84926--HJ		05299054	10/26/05
23	84927--EJ7		05299055	10/26/05
24	84928--J7A1		05299027	10/26/05
25	84929--J7A2		05299028	10/26/05
26	84930--J7A3		05299029	10/26/05
27	84931--J1		05299030	10/26/05
28	84932--J2		05299031	10/26/05
29	84933--J3		05299056	10/26/05
30	84934--J4		05299057	10/26/05
31	84935--MGC		05299058	10/26/05
32	84936--EJC		05299062	10/26/05
33	84937--K1-GE		05299032	10/26/05
34	84938--K2		05299059	10/26/05
35	84939--AP		05299060	10/26/05
36	84940--APGE		05299061	10/26/05



Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844

Florida Engineering Certificate of Authorization Number: 567

Page 1 of 1 Document ID:1SRM487-Z0426115243

Truss Fabricator: Anderson Truss Company

Job Identification: 5-451-HIGH SPRGS CONST.#15 THORNWOOD -- HIGH SPRINGS CONSTRUCTION-LOT 15 THORNWO

Truss Count: 3

Model Code: Florida Building Code

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

Engineering Software: Alpine Software, Versions 7.04, 7.02.

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
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR487

Seal Date: 10/26/2005

-Truss Design Engineer-

Arthur R. Fisher

Florida License Number: 59687

1950 Marley Drive

Haines City, FL 33844

Revised Trusses

#	Ref	Description	Drawing#	Date
1	84905--A1GE		05299033	10/26/05
2	84907--A3		05299035	10/26/05
3	84911--B2G		05299039	10/26/05

ALPINE



NO. 1

FALSE
DORMER
8/29/05

110 mph wind, 12.44 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.

Dead loads are stated on projected horizontal area basis.

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

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

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


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

0

Scale = .125"/Ft.

TC	11	20	0	DCE
1	2	3	4	5

[illegible]

REF K48 / - - 84906

DATE 10/26/05

ORW HCUSR487 05299034

HC-ENG JB / AF

DATE	TIME	LOCATION	REMARKS
10/10/90	18:00	WATERLOO	1st test run
10/10/90	18:30	WATERLOO	2nd test run
10/10/90	19:00	WATERLOO	3rd test run
10/10/90	19:30	WATERLOO	4th test run
10/10/90	20:00	WATERLOO	5th test run
10/10/90	20:30	WATERLOO	6th test run
10/10/90	21:00	WATERLOO	7th test run
10/10/90	21:30	WATERLOO	8th test run
10/10/90	22:00	WATERLOO	9th test run
10/10/90	22:30	WATERLOO	10th test run
10/10/90	23:00	WATERLOO	11th test run
10/10/90	23:30	WATERLOO	12th test run
10/10/90	00:00	WATERLOO	13th test run
10/10/90	00:30	WATERLOO	14th test run
10/10/90	01:00	WATERLOO	15th test run
10/10/90	01:30	WATERLOO	16th test run
10/10/90	02:00	WATERLOO	17th test run
10/10/90	02:30	WATERLOO	18th test run
10/10/90	03:00	WATERLOO	19th test run
10/10/90	03:30	WATERLOO	20th test run
10/10/90	04:00	WATERLOO	21st test run
10/10/90	04:30	WATERLOO	22nd test run
10/10/90	05:00	WATERLOO	23rd test run
10/10/90	05:30	WATERLOO	24th test run
10/10/90	06:00	WATERLOO	25th test run
10/10/90	06:30	WATERLOO	26th test run
10/10/90	07:00	WATERLOO	27th test run
10/10/90	07:30	WATERLOO	28th test run
10/10/90	08:00	WATERLOO	29th test run
10/10/90	08:30	WATERLOO	30th test run
10/10/90	09:00	WATERLOO	31st test run
10/10/90	09:30	WATERLOO	32nd test run
10/10/90	10:00	WATERLOO	33rd test run
10/10/90	10:30	WATERLOO	34th test run
10/10/90	11:00	WATERLOO	35th test run
10/10/90	11:30	WATERLOO	36th test run
10/10/90	12:00	WATERLOO	37th test run
10/10/90	12:30	WATERLOO	38th test run
10/10/90	13:00	WATERLOO	39th test run
10/10/90	13:30	WATERLOO	40th test run
10/10/90	14:00	WATERLOO	41st test run
10/10/90	14:30	WATERLOO	42nd test run
10/10/90	15:00	WATERLOO	43rd test run
10/10/90	15:30	WATERLOO	44th test run
10/10/90	16:00	WATERLOO	45th test run
10/10/90	16:30	WATERLOO	46th test run
10/10/90	17:00	WATERLOO	47th test run
10/10/90	17:30	WATERLOO	48th test run
10/10/90	18:00	WATERLOO	49th test run
10/10/90	18:30	WATERLOO	50th test run
10/10/90	19:00	WATERLOO	51st test run
10/10/90	19:30	WATERLOO	52nd test run
10/10/90	20:00	WATERLOO	53rd test run
10/10/90	20:30	WATERLOO	54th test run
10/10/90	21:00	WATERLOO	55th test run
10/10/90	21:30	WATERLOO	56th test run
10/10/90	22:00	WATERLOO	57th test run
10/10/90	22:30	WATERLOO	58th test run
10/10/90	23:00	WATERLOO	59th test run
10/10/90	23:30	WATERLOO	60th test run
10/10/90	00:00	WATERLOO	61st test run
10/10/90	00:30	WATERLOO	62nd test run
10/10/90	01:00	WATERLOO	63rd test run
10/10/90	01:30	WATERLOO	64th test run
10/10/90	02:00	WATERLOO	65th test run
10/10/90	02:30	WATERLOO	66th test run
10/10/90	03:00	WATERLOO	67th test run
10/10/90	03:30	WATERLOO	68th test run
10/10/90	04:00	WATERLOO	69th test run
10/10/90	04:30	WATERLOO	70th test run
10/10/90	05:00	WATERLOO	71st test run
10/10/90	05:30	WATERLOO	72nd test run
10/10/90	06:00	WATERLOO	73rd test run
10/10/90	06:30	WATERLOO	74th test run
10/10/90	07:00	WATERLOO	75th test run
10/10/90	07:30	WATERLOO	76th test run
10/10/90	08:00		

SEQN- I4054

FROM JP

JREF- 1SRM487 704

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

FL Certificate of Authorization # 567

110 mph wind, 12.44 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.

Dead loads are stated on projected horizontal area basis.

(A) Continuous lateral bracing equally spaced on member.

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

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

UI crosses: see WARNING hole below.



Design Crit: TPI-2002(STD)/FBC

IF1-200Z(310)/FBC	Cg/RT=1.00(1.25)/10(0)	7.04.03
-------------------	------------------------	---------

Scale = .125"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BESS I-93 (BUILDING CODES AND SAFETY INFORMATION), PUBLISHED BY TPI (TROSS PLATE INSTITUTE, 583 D'ORFORD DR., SUITE 200, MADISON, WI 53710) AND WCA (WOOD TROSS 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 PALS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED BRACING.

[illegible]

TC LL	20.0	PSF	REF	R487--	84908
TC DL	10.0	PSF	DATE	10/26/05	
BC DL	10.0	PSF	DRW	HCUSR487	05299036
BC LL	0.0	PSF	HC-ENG	JB/AF	
TOT.LD.	40.0	PSF	SEQN-	13987	
DUR.FAC.	1.25		FROM	JP	
SPACING	24.0"		JREF-	1SRM487	Z04

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

110 mph wind, 12.63 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.

SPECIAL LOADS

-----	(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From	81 PLF at 0.00 to 81 PLF at 45.75
BC - From	20 PLF at 0.00 to 20 PLF at 45.75

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

+ MEMBER TO BE Laterally Braced For Horizontal Wind Loads.
Bracing System To Be Designed And Furnished By Others.

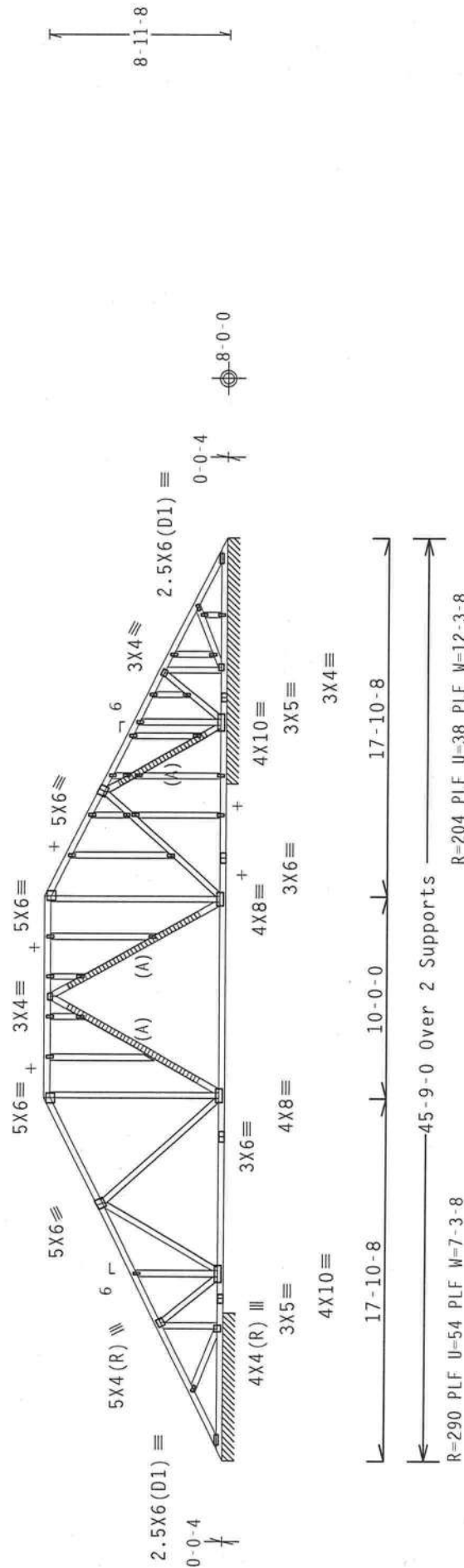
Dead loads are stated on projected horizontal area basis.

See DWGS A11015EC1103 & GBLLETIN0405 for more requirements.

(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.

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.

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



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

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

FI 1-131-1-181-

Scale = 125"/Ft.



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

FL Certificate of Authorization # 567

****WARNING**** THESE REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO REG. 1.03'S BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI CROSS PACE INSTITUTE, 583 D'ARNO RD., SUITE 100, WESTPORT, MA 01886 AND MICA (WOOD PRESS COUNCIL OF AMERICA, 6300 ENTERPRISE BL, MADISON, WI 53719) FOR SAFETY PRECAUTIONS TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PALS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CELLING.

****IMPORTANT****-FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR AND ALPINE ENGINEERS
TRUSS COMPANY, 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 TRUSSESS.
CONTRACTOR'S PROFESSIONAL OPINION (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI'S ALPINE
CONNECTOR PLATES ARE MADE OF 20/10/60/80/90/100% WELDED STEEL PER DRAWING TEL# 703-331-1177
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.3 OF TP11-2002 SEC.-3. A SEAL ON THIS
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT
DESIGNED HEREON. USE OF THIS COMMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE
BUILDING DESIGNER PER ANNEX I 1 SEC.-2.



0.05

TC LL	20.0	PSF	REF R487-- 84909
TC DL	10.0	PSF	DATE 10/26/05
BC DL	10.0	PSF	DRW HCURS487 05299037
BC LL	0.0	PSF	HC-ENG JB/AF
TOT.LD.	40.0	PSF	SEON- 14022
DUR.FAC.	1.25		FROM JP
SPACING	24.0"		JREF- 1SRM487_Z04

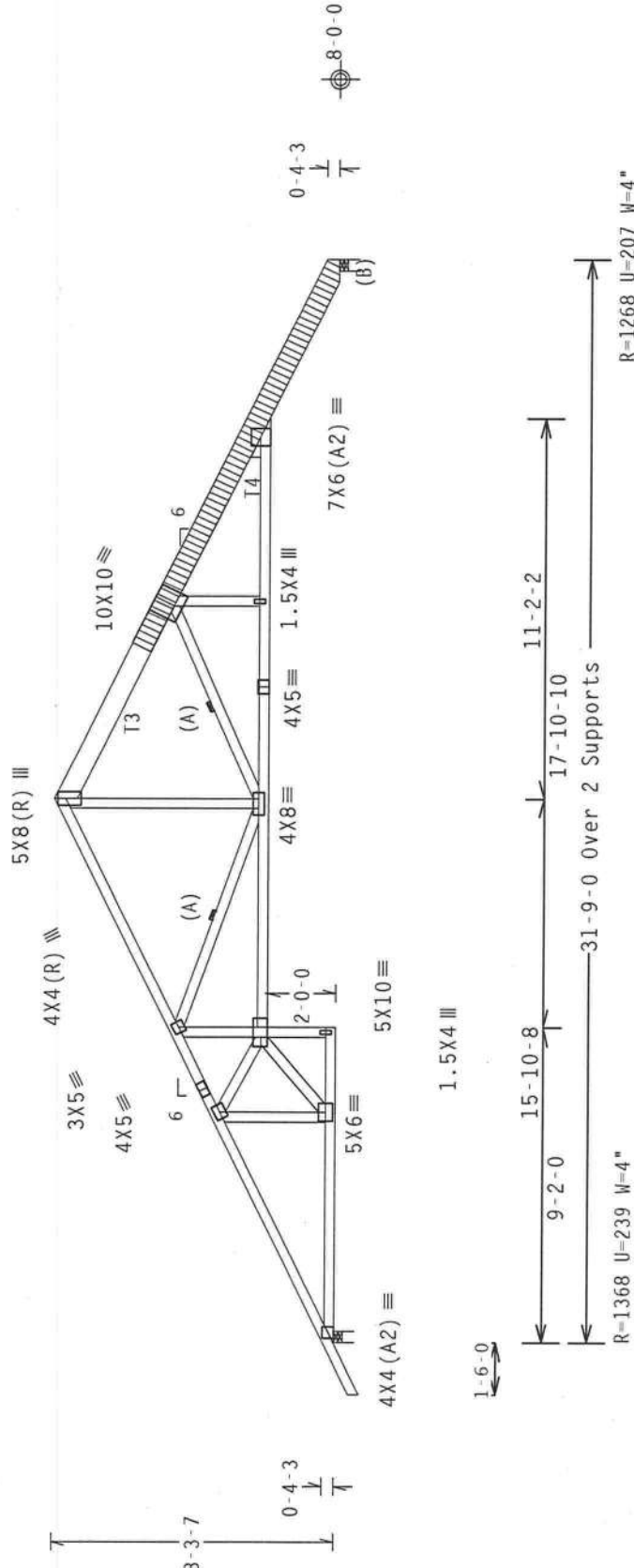
Top chord 2x4 SP #2 Dense : T3 2x8 SP SS: : T4 2x8 SP #2:
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
: Rt Wedge 2x4 SP #3:

110 mph wind, 11.94 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Calculated horizontal deflection is 0.29" due to live load and 0.43" due to dead load.

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

(B)(2) 2x8x12-9-12 SP #2 scabs at right end. Attach one scab to each outer face of chord with: 12d Box or Gun (0.128"x3.25", min.) nails @ 8" OC, plus additional nail clusters at: BRG.: (3), heel: (6), 1st panel point: (3).



PLT TYP. Wave

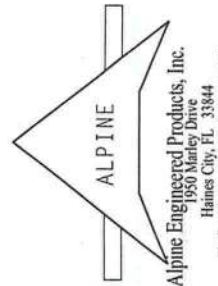
Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.04.0

Scale = .1875"/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 COMPANY, 1950 MARLEY DRIVE, HAINES CITY, FL 33844, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF HDS (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (A/N/S/K) ASTM A653 GRADE 40/60 (H, K/M, S) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWING THE TPI DRAWING. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 100A-2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE DESIGN COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	FL / - / 3 / - / - / R / -	REF R487 --	84910
TC DL	10.0 PSF		DATE	10/26/05
BC DL	10.0 PSF		DRW HCUSR487	05299038
BC LL	0.0 PSF		HC-ENG JB/AF	
TOT.LD.	40.0 PSF		SEQN -	13989
DUR.FAC.	1.25		FROM	JP
SPACING	24.0"		JREF -	1SRM487_Z04

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

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Box_or_Gun_(0.128"x3.25",_min.)_nails)

Top Chord: 1 Row @ 6.00" o.c.
Bot Chord: 1 Row @ 5.25" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows
in each row to avoid splitting.

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

Dead loads are stated on projected horizontal area basis.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.
(B)

110 mph wind, 11.94 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.

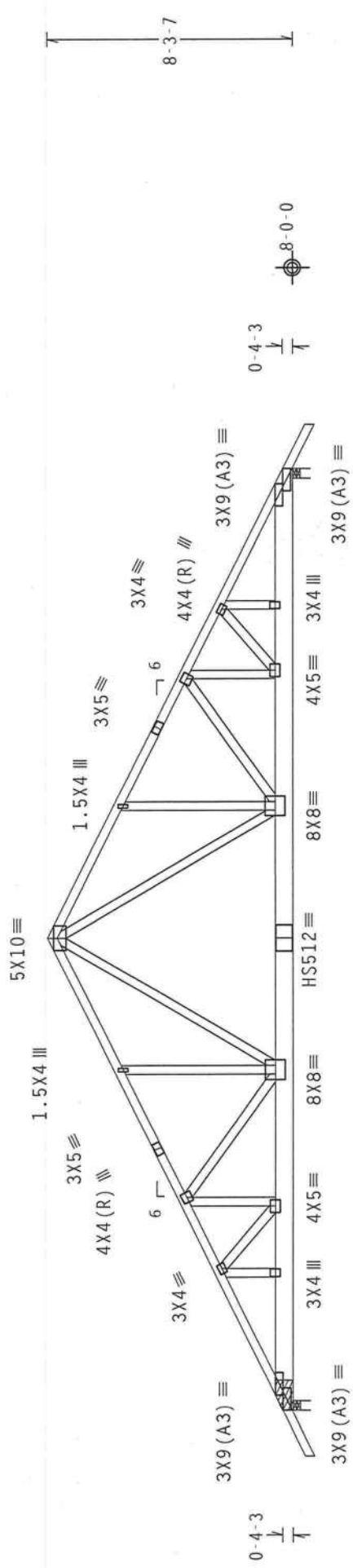


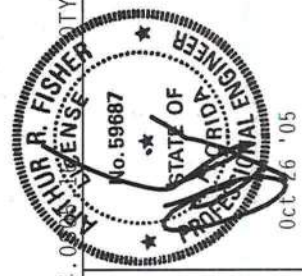
Diagram illustrating the dimensions and support locations for a beam:

- Overall length: 15-10-8
- Support locations: 15-10-8 (from left end) and 31-9-0 (from right end)
- Overhang: 31-9-0 Over 2 Supports
- Dimensions: 1-6-0 (width), 1-6-0 (height), 1-6-0 (depth)
- Material/Properties: R=7123 U=1318 W=4"
- Material/Properties: R=6426 U=1189 W=4"

PIT IYP 20 Gauge HS Wave

Wave Design Crit: TPI-2002 (STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.0

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS NATIONAL DESIGN SPEC., BY AIA/ASD AND TPI1. TIE PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS SPEC., POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX TPI1 1 SEC. 2.



FL/-/3/-/-R/-	Scale =.1875"/Ft.
TC LL 20.0 PSF	REF R487-- 84911
TC DL 10.0 PSF	DATE 10/26/05
BC DL 10.0 PSF	DRW HCURS487 0529039
BC LL 0.0 PSF	HC-ENG JB/AF
TOT.LD. 40.0 PSF	SEQN- 14046 REV
DUR.FAC. 1.25	FROM JP
SPACING 24.0"	JREF- 1SRM487_Z04

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubbied Wedge 2x8 SP SS:

Dead loads are stated on projected horizontal area basis.

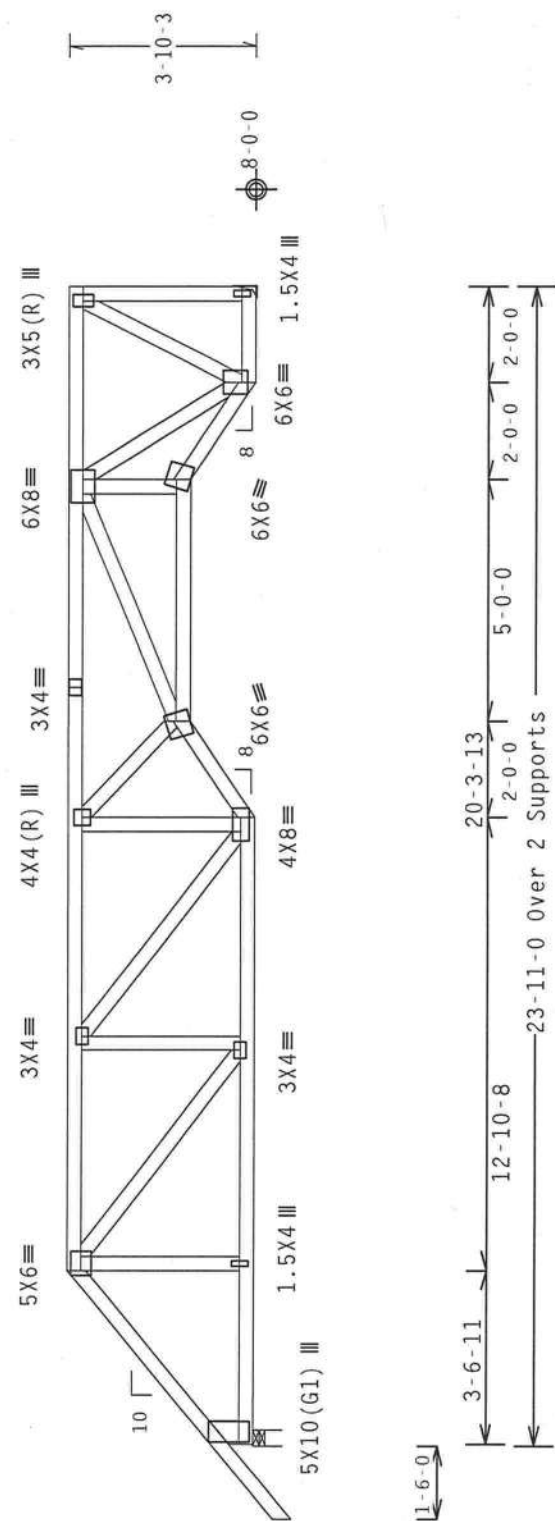
#1 hip supports 3-7-3 jacks with no webs.

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

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

Right end vertical not exposed to wind pressure.

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



R=1251 U=277 W=4"
(3.5" Effective Contact)

R=1155 U=230 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

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.00

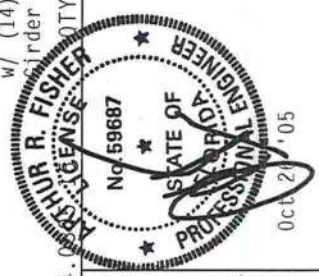
Scale = .25" / Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GGA (W/H/5/P) ASTM A653 GRADE 40/60 (4, K/H/5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GGA (W/H/5/P) ASTM A653 GRADE 40/60 (4, K/H/5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

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



TC LL	20.0 PSF	REF	R487--	84912
TC DL	10.0 PSF	DATE	10/26/05	
BC DL	10.0 PSF	DRW	HCUSR487	05299040
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	13988	
DUR.FAC.	1.25	FROM	JP	
SPACING	24.0"	JREF	1SRM487_Z04	

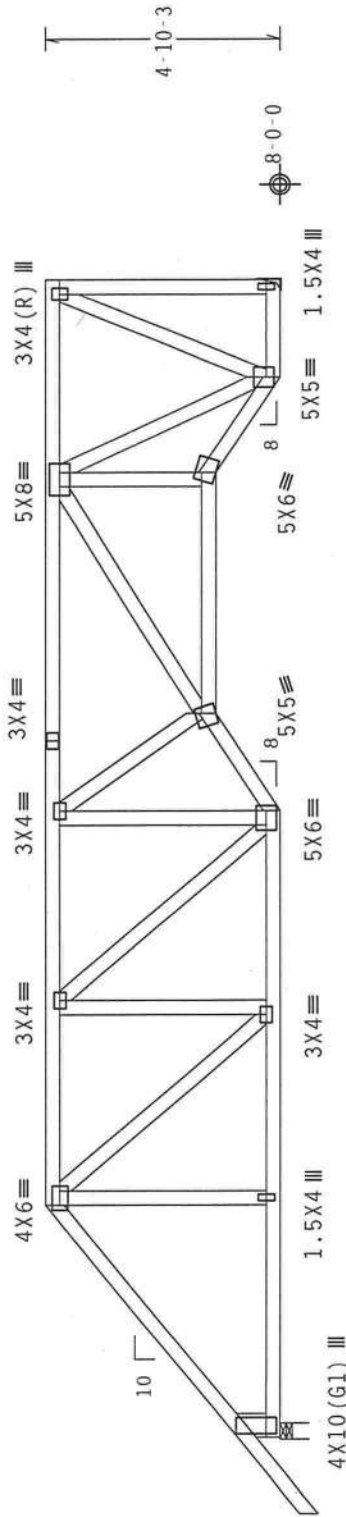
Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	
:Lt	Stubbied	Wedge	2x8	SP	SS:

110 mph wind, 10.22 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.

Dead loads are stated on projected horizontal area basis.

Dead loads are stated on projected horizontal area basis.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



[1-6-0]

Diagram of a 23-11-0 Over 2 Supports bridge. The bridge is shown in plan view with dimensions in feet and inches. The total length is 23-11-0. The bridge is supported by two supports, with a span of 12-10-8 between them. The approach spans are 4-9-2 and 19-1-6. The dimensions are as follows:

- Approach span: 4-9-2
- Span: 12-10-8
- Approach span: 19-1-6
- Span: 5-0-0
- Span: 2-0-0
- Span: 2-0-0
- Span: 2-0-0

R=1058 U=180 W=4"
(3.5" Effective C

R-952 U=180 H=Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (12X6 min. So.Pine

PLT TYP. Wave

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

Scale = .25"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS-107 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE CONCRETE PLATE INSTITUTE, 583 NORTH DUTCH STREET, CHICAGO, ILLINOIS 60610, FOR ADDITIONAL INFORMATION.
ADDITIONAL WARNING: ALL TRUSSES MUST BE PROPERLY BRACED PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED LIGHT CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONSIDERATIONS WITH PROVISIONS OF AISC (NOTATION DESIGN SPEC., OF AISC) AND ACTIVE 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.3 OF TP11-2002 SEC-3. A SEAL OR 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 AISC/TP11 1 SEC. 2.



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

FL Certificate of Authorization # 567

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubbbed Wedge 2x8 SP SS:

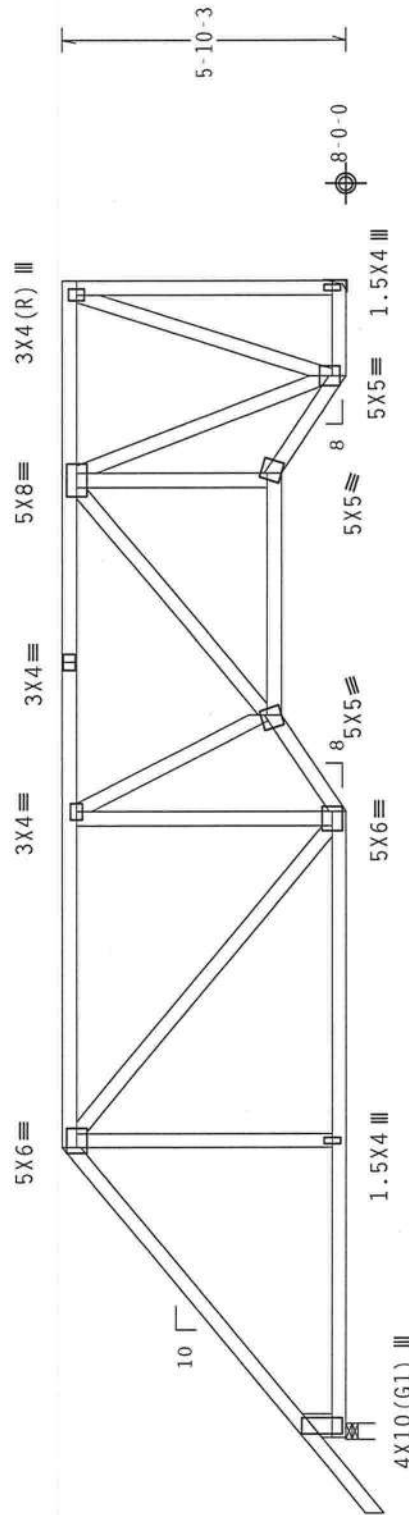
Dead loads are stated on projected horizontal area basis.

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

110 mph wind, 10.72 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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



1-6-0

5-11-8 12-10-8 17-11-0 2-0-0 5-0-0 2-0-0 2-0-0
R=1058 U=180 W=4"
(3.5" Effective Contact)
23-11-0 Over 2 Supports

R-952 U=185 H=Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So-Pine

Design Crit: TPI-2002 (STD) / FBC

Cq/RT=1.00(1.25)/10(0) 7.04.00

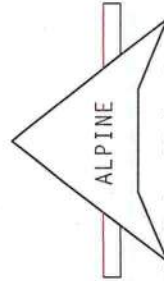
FL/-3/-/-R/-

Scale = .25" / Ft.

PLT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-2002 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 803 O'DONOHUE DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** 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-2002 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 803 O'DONOHUE DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.



Alpine Engineered Products, Inc.
Haines City, FL 33844

FL Certificate of Authorization # 567



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

REF	R487 --	84914
DATE	10/26/05	
DRW	HCUSR487	05299042
HC-ENG	JB/AF	
SEQN	13991	
FROM	JP	
JREF	1SRM487_Z04	

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
:Lt Stubby Wedge 2x8 SP SS:

110 mph wind, 11.72 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

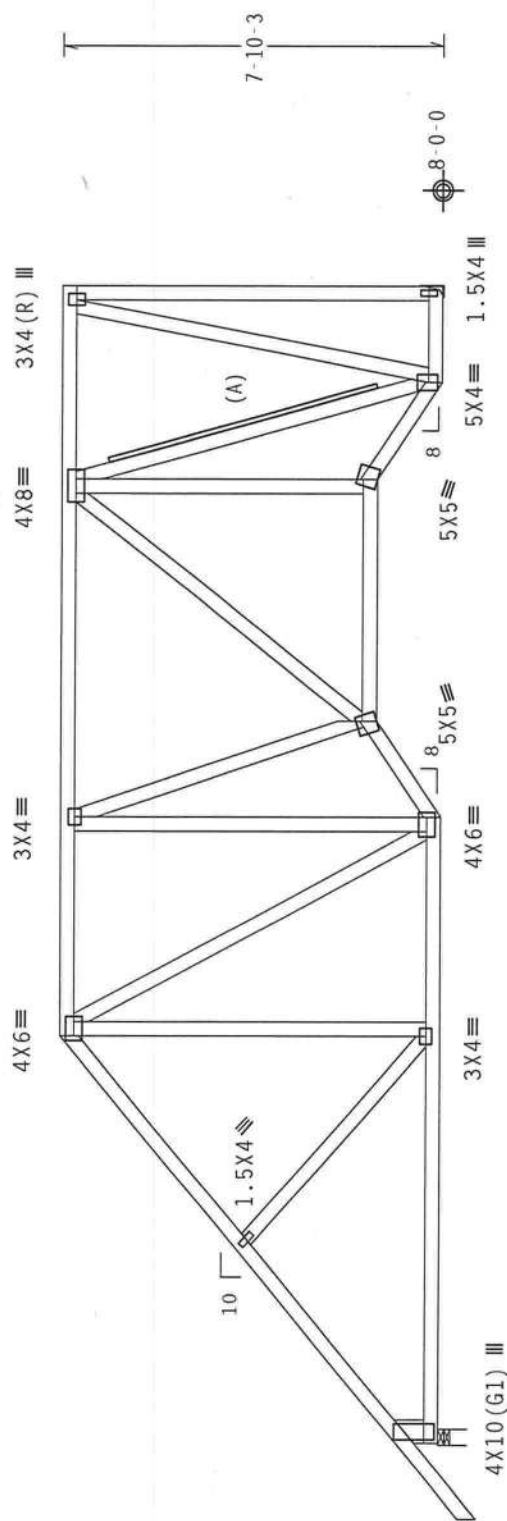
Right end vertical not exposed to wind pressure.

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.

Dead loads are stated on projected horizontal area basis.

(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.

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



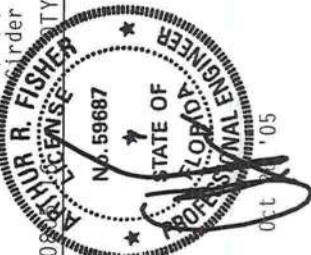
11-6-01

8-4-5 12-10-8 15-6-3 5-0-0 2-0-0 2-0-0 2-0-0
23-11-0 Over 2 Supports

R=1058 U=180 W=4"
(3.5" Effective Contact)

R=952 U=199 H=Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

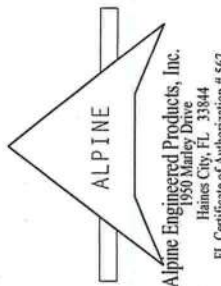
Scale = .25" / Ft.



Design Crit: TPI-2002 (STD) / FBC
Cq/RT=1.00 (1.25) / 10(0) 7.04.08

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719), AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF HDS (NATIONAL DESIGN SPEC. BY ACPA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 2018/16GA (40/60) ASTM A653 GRADE 40/60 (40/60) GALV. STEEL. APPLY ANY INSPECTION OF PLATES AND TRUSSES AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-Z. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE DESIGN AND THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



PLT TYP. Wave

TC LL	20.0 PSF	REF	R487 -- 84916
TC DL	10.0 PSF	DATE	10/26/05
BC DL	10.0 PSF	DRW	HCUSR487 05299044
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	13993
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF	1SRM487_Z04

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
: Lt Stubby Wedge 2x8 SP SS:

Dead loads are stated on projected horizontal area basis.

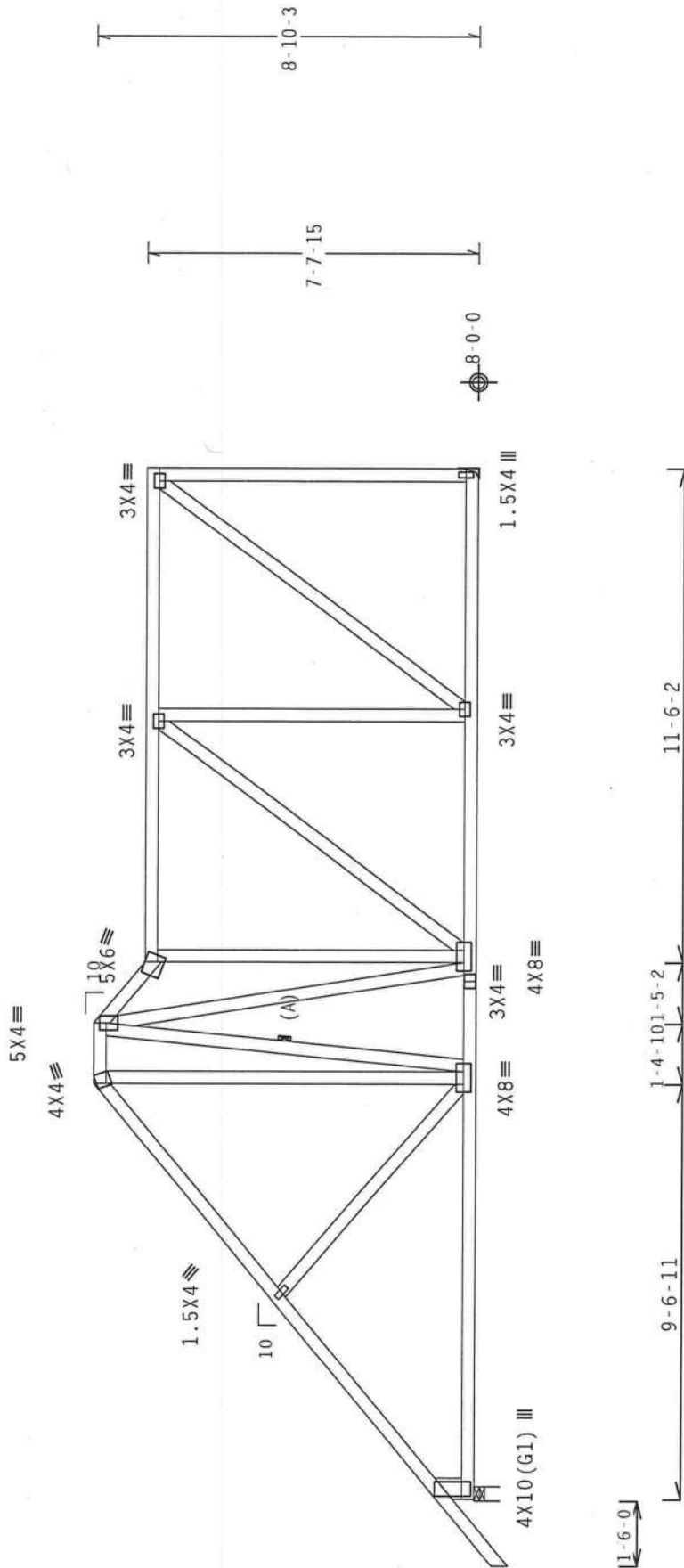
(A) Continuous lateral bracing equally spaced on member.

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

110 mph wind, 12.22 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.

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



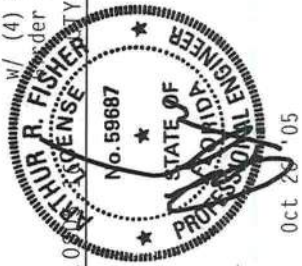
R=1058 U=180 W=4\"/>
(3.5\" Effective Contact)

23-11-0 Over 2 Supports

R=952 U=203 H=Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Scale = .25" / Ft.

Design Crit: TPI-2002 (STD) / FBC
Cq/RT=1.00 (1.25) / 10 (0) 7.04.0



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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS 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 PLATES TO EACH FACE OF TRUSS. 2018/10/05. ASH A551 GRADE 40/60 (W, 6/8/15) GALV. STEEL. APPLY PER DRAWING. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AREA 3 OF TPI-2002 SECTION 10.4. 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

PLT TYP. Wave

TC LL	20.0 PSF	REF	R487 --	84917
TC DL	10.0 PSF	DATE	10/26/05	
BC DL	10.0 PSF	DRW	HCUSR487	05299045
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	13994	
DUR.FAC.	1.25	FROM	JP	
SPACING	24.0"	JREF-	1SRM487_Z04	

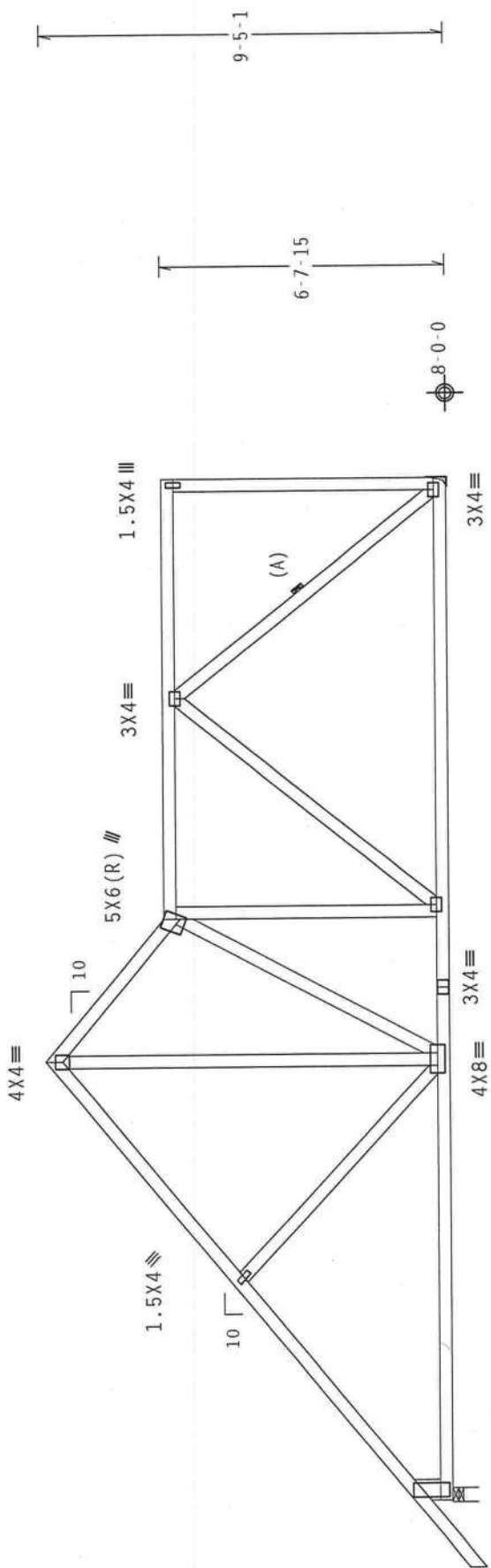
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubby Wedge 2x8 SP SS:

Dead loads are stated on projected horizontal area basis.
(A) Continuous lateral bracing equally spaced on member.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 12.51 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.

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.



L1-6-0

10-3-0 3-3-13 10-3-11
23-11-0 Over 2 Supports

R=1058 U=180 W=4"
(3.5" Effective Contact)

R=952 U=195 H=Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Truss member is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.08

Scale = .25"/Ft.

PLT TYP. Wave



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATFORM INDUSTRIES, INC., 1000 ENTERPRISE LN., SUITE 200, MADISON, VT 52719) AND NFCA (NATIONAL FABRICATOR ASSOCIATION, 1000 ENTERPRISE LN., SUITE 200, MADISON, VT 52719) FOR SAFETY PRACTICES AND INSTRUCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W./S./T) 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-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--	84918
TC DL	10.0 PSF	DATE	10/26/05	
BC DL	10.0 PSF	DRW	HCUSR487	05299046
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	13996	
DUR.FAC.	1.25	FROM	JP	
SPACING	24.0"	JREF-	1SRM487_Z04	

ALPINE

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

FL Certificate of Authorization # 567

110 mph wind, 12.51 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.

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



R=1058 U=180 W=4"
(3.5" Effective C

R=952 U=185 H=Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Roofing is 112X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.04.08 SHEET Y:1 FLI-/3/-/-/R/-

Scale = .25"/Ft.

Scale = .25 / 100.

BC DL	10.0 PSF	DRW	HCUSR487	0529904
BC LL	0.0 PSF	HC-ENG JB/AF		
TOT.LD.	40.0 PSF	SEQN-	13995	
DUR.FAC.	1.25	FROM JP		
SPACING	24.0"	JREF-	1SRM487 Z04	

Oct 26, 05

Haines City, FL 33844
FL Certificate of Authorization # 567

110 mph wind, 12.51 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.

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



R-952 U-180 H-Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
The girder is (1)2X6 min. So, pine

Scale = 25"/Ft.

Design Crit: TPI-2002(STD)/FBC

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

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 363 D'ONOFIO DR., SUITE 200, MADISON, WI 53719, AND NCA (NATIONAL TRUSS COUNCIL OF AMERICA), 6100 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 PROPERLY ATTACHED RIGID CELLING.

[illegible]

TC LL	20.0	PSF	REF R487-- 84920
TC DL	10.0	PSF	DATE 10/26/05
BC DL	10.0	PSF	DRW HCUR487 05299048
BC LL	0.0	PSF	HC-ENG JB/AF
TOT.LD.	40.0	PSF	SEQN- 13997
DUR.FAC.	1.25		FROM JP
SPACING	24.0"		JREF- 1SRM487_Z04

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
: Lt Stubby Wedge 2x8 SP SS:

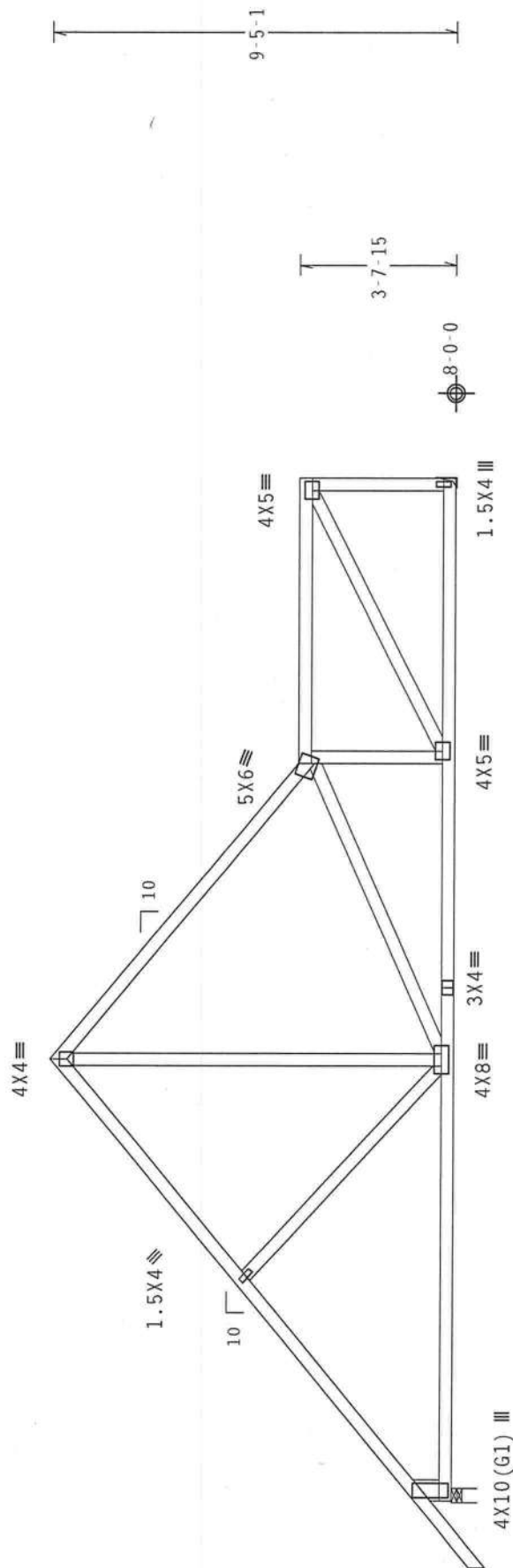
Dead loads are stated on projected horizontal area basis.

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

110 mph wind, 12.51 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.

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.



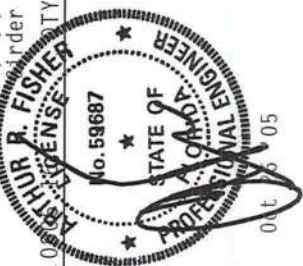
11-6-01

10-3-0 6-11-0 6-8-8
23-11-0 Over 2 Supports

R=1052 U=180 W=4"
(3.5" Effective Contact)

R=958 U=180 H=Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2x6 min. So.Pine

Scale = .25"/ft.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.05

****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 PRODUCTS, INC., 10000 DR., SUITE 200, MADISON, WI 53719, AND NCA (NATIONAL COUNCIL OF AMERICA, 6300 ENTERPRISE BL, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (40/60) ASTM A553 GRADE 40/60 (40/60) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. (1) SHALL BE PER ANSI A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE DESIGN. THE SUITABILITY AND USE OF THIS COMPONENT 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

PLT TYP. Wave

TC LL	20.0 PSF	REF	R487 - -	84921
TC DL	10.0 PSF	DATE	10/26/05	
BC DL	10.0 PSF	DRW	HCUSR487	05299049
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	13998	
DUR.FAC.	1.25	FROM	JP	
SPACING	24.0"	JREF	1SRM487_Z04	

Top chord	2x4	SP #2	Dense	
Not chord	2x4	SP #2	Dense	:B2 2x6 SP #2:
Web	2x4	SP #3		

110 mph wind, 12.51 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.

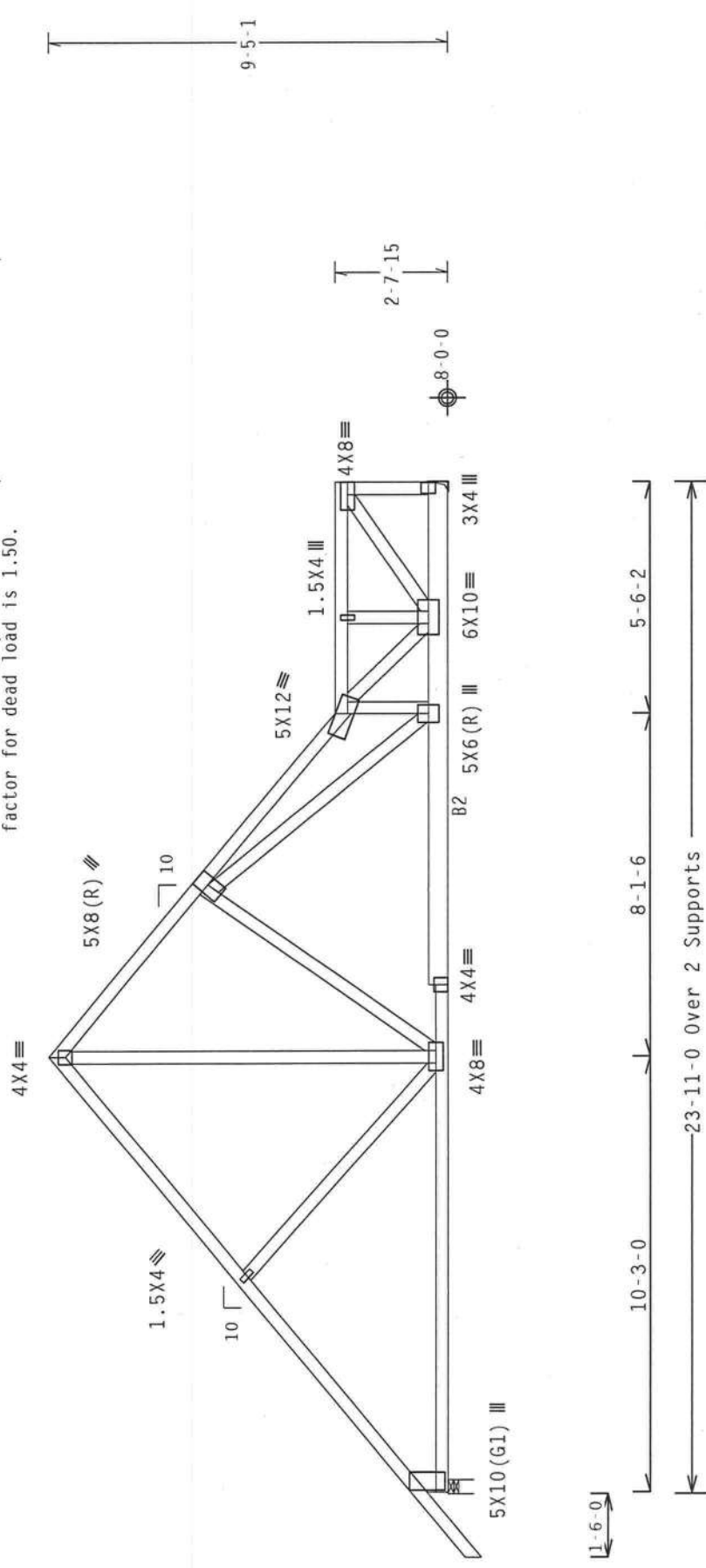
Top chord 2x4 SP #2 Dense
 Foot chord 2x4 SP #2 Dense :B2 2x6 SP #2:
 Webs 2x4 SP #3
 Lt Studded Wedge 2x8 SP SS:

SPECIAL LOADS		DUR. FAC. = 1.25 / PLATE DUR. FAC. = 1.25	
----- (LUMBER)			
C -	From	60 PLF at -1.50 to	60 PLF at 23.88
C -	From	4 PLF at -1.50 to	4 PLF at 0.00
C -	From	20 PLF at 0.00 to	20 PLF at 23.88
C -	107 LB Conc.	Load at 21.88	
C -	962 LB Conc.	Load at 20.60	
C -	43 LB Conc.	Load at 21.88	

Right end vertical not exposed to wind pressure.
Dead loads are stated on projected horizontal area basis.

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

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



R=1194 U=269 W=4"
(3.5" Effective Contact)

R-1928 U-434 H-Simpson HU526
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
under is (1)2X6 min. So.Pine

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

PLT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (CRUSS PAPER INSTITUTE, 583 D'AMORIO DR., SUITE 200, MADISON, WI 53719) AND UTCA (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 DESIGN TO THE SPECIFICATIONS OF THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE ALPINE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIAA) AND TP11-2002. ALPINE CONNECTOR PLATES ARE MADE OF 2010/16GA. (W-8/H-5/16) ASTM A563 GRADE 40/60 (W, F/H) S2 GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, WHERE OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A.3 OF TP11-2002 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 ANNEX/TP11 SEC. 2.



FL/-/3/-/-R/-	Scale = .25"/Ft.
TC LL 20.0 PSF	REF R487 - - 84922
TC DL 10.0 PSF	DATE 10/26/05
BC DL 10.0 PSF	DRW HCUR487 05299050
BC LL 0.0 PSF	HC-ENG JB/AF
TOT.LD. 40.0 PSF	SEQN- 14000
DUR.FAC. 1.25	FROM JP
SPACING 24.0"	JREF- 1SRM487_Z04

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

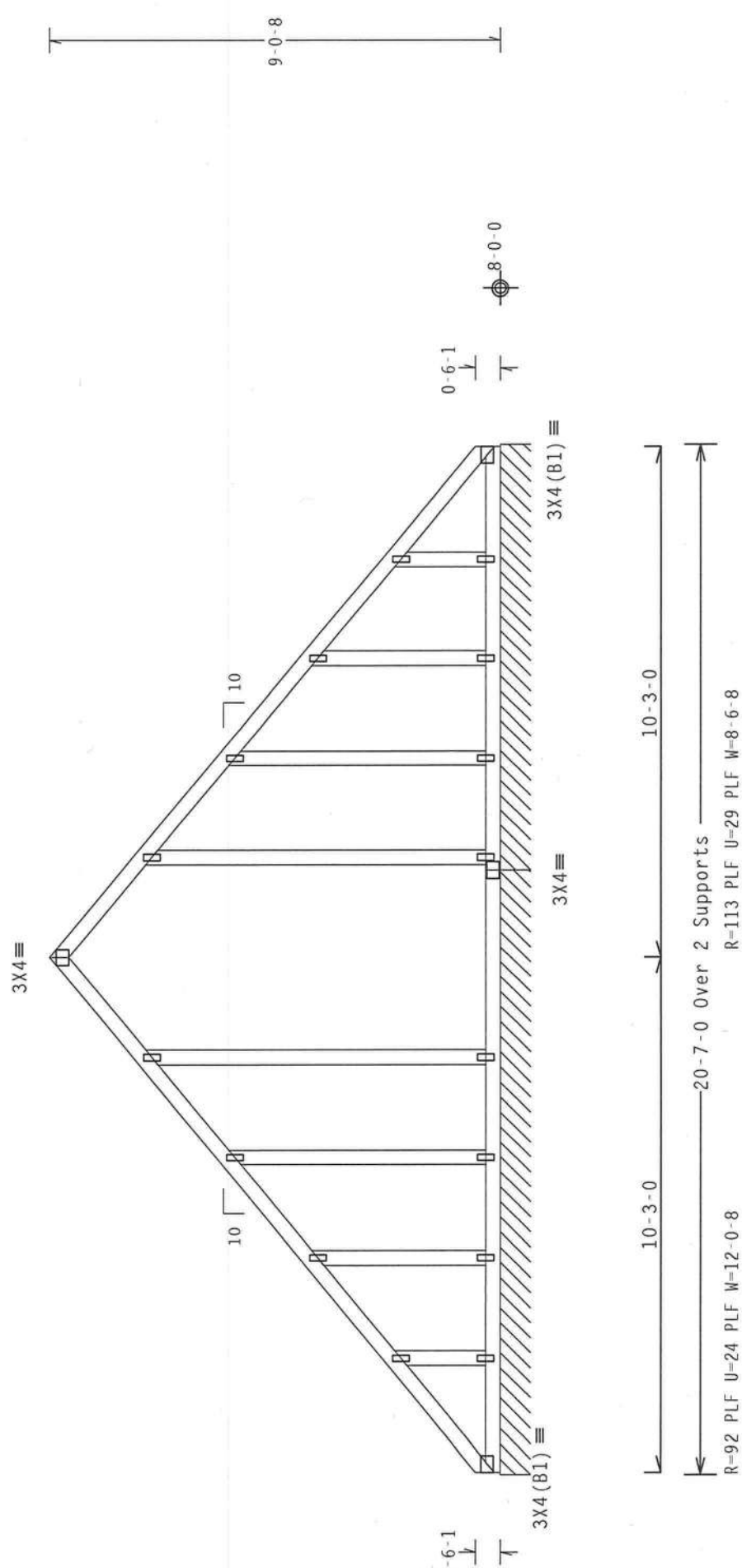
110 mph wind, 12.77 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

110 mph wind, 12.77 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.

Dead loads are stated on projected horizontal area basis.

See DWGS A11015EC1103 & GBLLETIN0405 for more requirements.

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



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

ALPINE

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

FL/-/3/-/-R/-		Scale = .3125"/Ft.
TC LL	20.0 PSF	REF R487 - - 84923
TC DL	10.0 PSF	DATE 10/26/05
BC DL	10.0 PSF	DRW HCUR487 05299051
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 14001
DUR.FAC.	1.25	FROM JP
SPACING	24.0"	JREF- 1SRM487_Z04

110 mph wind, 12.51 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.

Dead loads are stated on projected horizontal area basis.

Dead loads are stated on projected horizontal area basis.



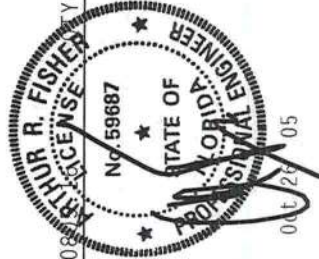
R=919 U=180 W=4"
(3.5" Effective

-20-7-0 Over 2 Supports

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1-00(1-25)

08015615
FISHING LICENSE
COUNTY: 4 FL / - / 3 / - / - / R / -

TC LL	20.0	PSF	REF	R487--	84924
TC DL	10.0	PSF	DATE	10/26/05	
BC DL	10.0	PSF	DRW	HCUSR487	05299052
BC LL	0.0	PSF	HC-ENG	JB/AF	
TOT.LD.	40.0	PSF	SEQN-	14010	
DUR.FAC.	1.25		FROM	JP	
SPACING	24.0"		JREF-	1SRW487	Z04



WARNING: THROSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. PERMIT TO BEG-1-003 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TROSS PLATE INSTITUTE, 593 S. DOWNEY, SUITE 200, CHICAGO, ILL. 60606), AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 530 N. LAKE COOK, HAWTHORN, ILL. 60459), MUST BE READ AND UNDERSTOOD BEFORE ANY ATTEMPT IS MADE TO PERFORM THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PLATE AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED LEGS, CUTTING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PROJECTS SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE DESIGN CONFORMING WITH THE SPECIFICATIONS, INSTALLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN COMPATIBILITY WITH APPLICABLE PROVISIONS OF THE AISC SPEC., AISC 360 AND TPI 1. THE CONNECTOR PLATES ARE MADE OF 2010/1660, OR EQUIVALENT ASTM A563 GRADE 435. THE PLATES TO EACH FACE OF TRUSS AND OR W/SLICE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMBEX 43 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 DESIGNING DESIGNER PER AMBIX/TPI 1 SEC.-2.



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

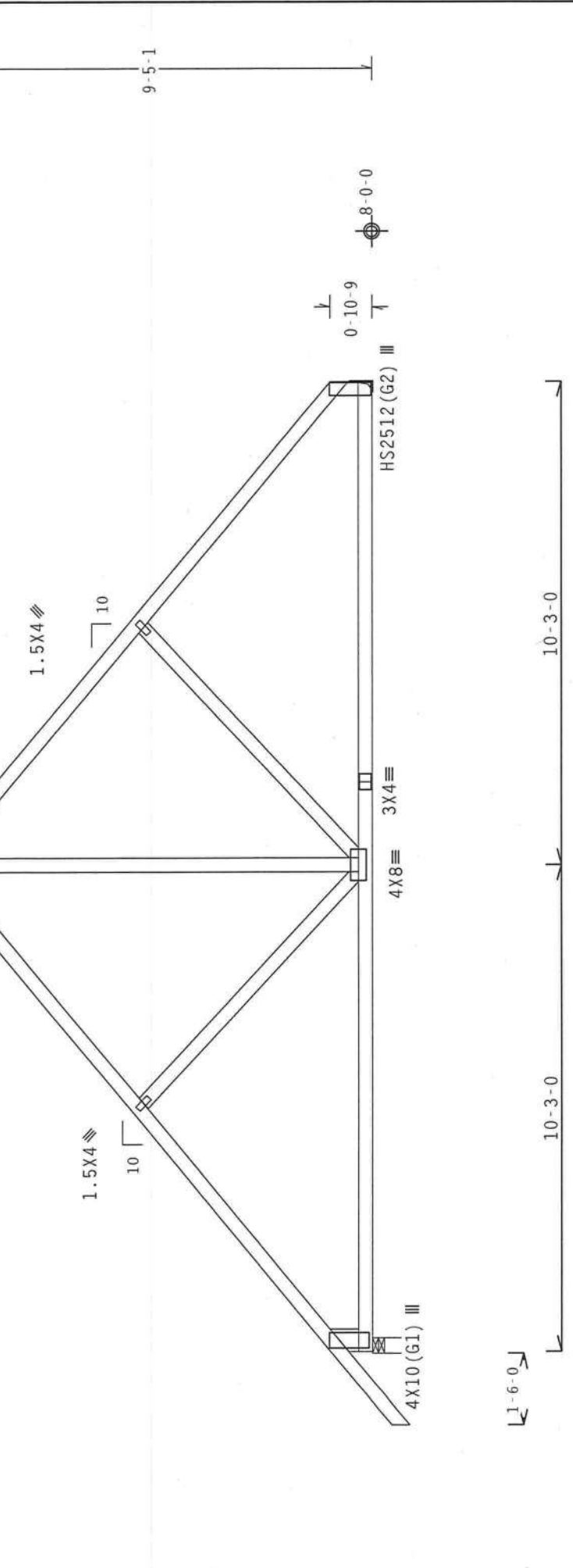
Haines City, FL 33844
FL Certificate of Authorization # 567

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubbed Wedge 2x8 SP SS::Rt Stubbed Wedge 2x6 SP #2:

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

110 mph wind, 12.51 ft mean hgt, ASCE 7-98, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind IC DL-5.0 psf, wind BC DL-5.0 psf.

Dead loads are stated on projected horizontal area basis.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

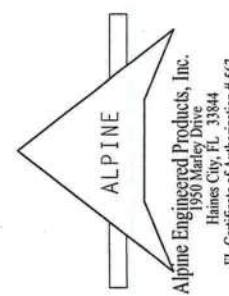


R-923 U=180 W=4"
(3.5" Effective Contact)

R-816 U=180 H=Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Member is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0

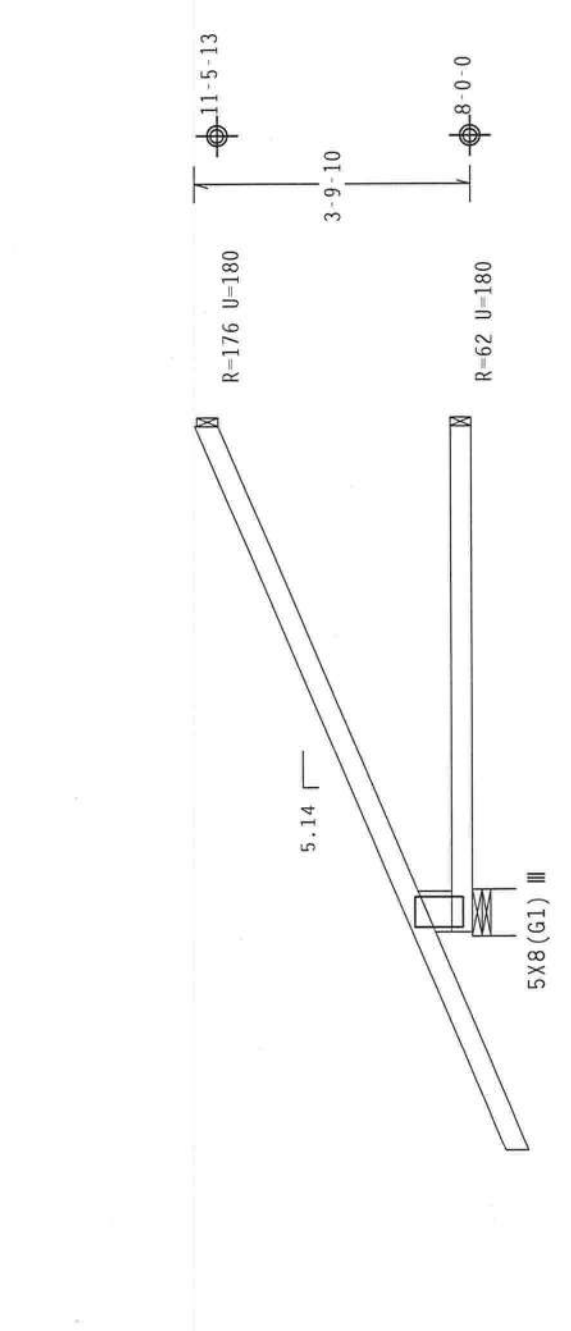
PLT TYP. 20 Gauge HS.Wave	Scale = .3125"/Ft.
TC LL 20.0 PSF	REF R487-- 84925
TC DL 10.0 PSF	DATE 10/26/05
BC DL 10.0 PSF	DRW HCUR487 05299053
BC LL 0.0 PSF	HC-ENG JB/AF
TOT.LD. 40.0 PSF	SEQN- 14012
DUR.FAC. 1.25	FROM JP
SPACING 24.0"	JREF- 1SRM487_Z04



Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
: Lt Studded Wedge 2x6 SP #2:
Dead loads are stated on projected horizontal area basis.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

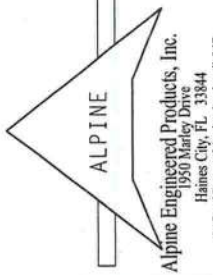
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Hipjack supports 4-11-6 setback jacks with no webs.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



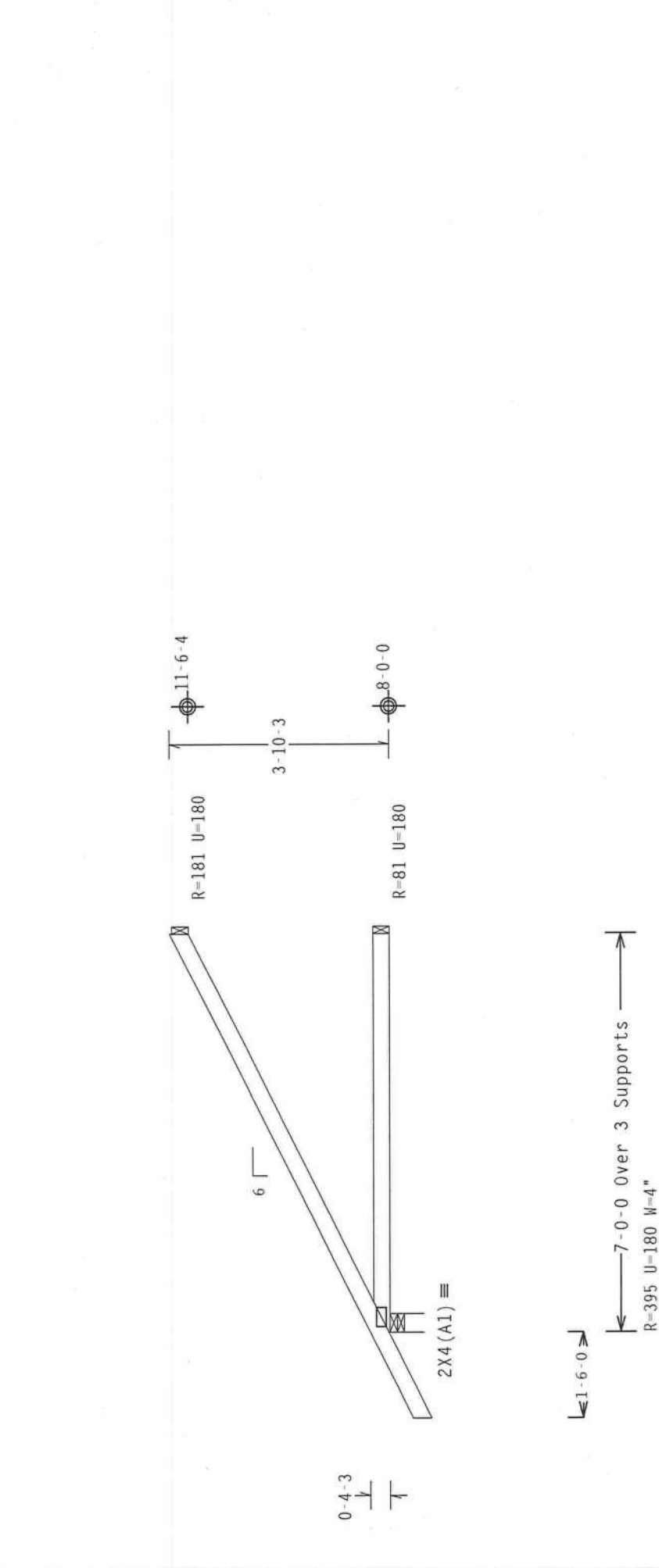
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.06
Scale = .375" / Ft.

PLT TYP. Wave	FL / - / 3 / - / R / -	REF R487 -- 84926
	TC LL 20.0 PSF	DATE 10/26/05
	TC DL 10.0 PSF	DRW HCUSR487 05299054
	BC DL 10.0 PSF	HC-ENG JB/AF
	BC LL 0.0 PSF	SEQN- 14002
	TOT.LD. 40.0 PSF	FROM JP
	DUR.FAC. 1.25	JREF- 1SRM487_Z04
	SPACING 24.0"	



110 mph wind, 9.72 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.
 Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Dead loads are stated on projected horizontal area basis.
 Provide { 2 } 16d common nails (0.162"x3.5"), toe nailed at Top chord.
 Provide { 2 } 16d common nails (0.162"x3.5"), toe nailed at Bot chord.



PLT TYP. Wave

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

Scale = .375"/Ft.

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

TC LL	20.0 PSF	REF R487 -- 84927
TC DL	10.0 PSF	DATE 10/26/05
BC DL	10.0 PSF	DRW HCUSR487 05299055
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN - 14007
DUR.FAC.	1.25	FROM JP
SPACING	24.0"	JREF - ISRM487_Z04

H. A. FISHER
 No. 59687
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 06/26/05

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

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

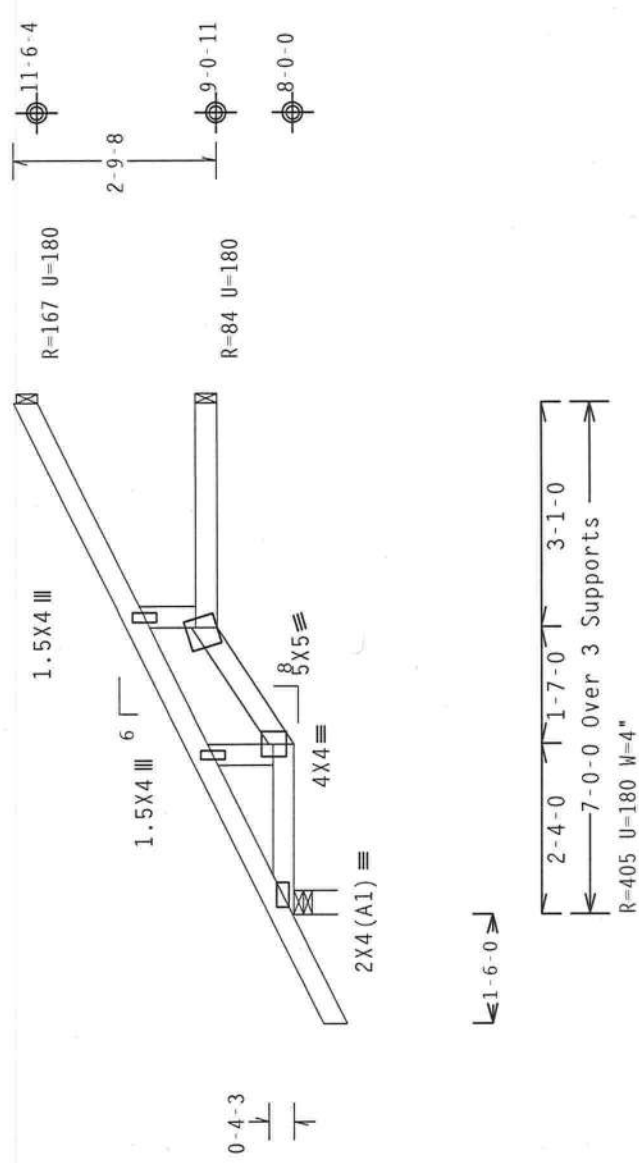
Top chord	2x4	SP #2	Dense	110 mph wind, 9.72 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.
Not chord	2x4	SP #2	Dense	
Webbs	2x4	SP #3		

Dead loads are stated on projected horizontal area basis.

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

110 mph wind, 9.72 ft mean hot, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind IC DL=5.0 psf, wind BC DL=5.0 psf.

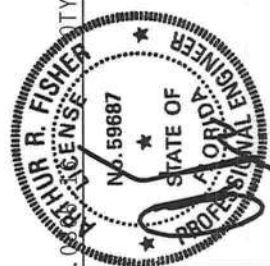
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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

PLT TYP. Wave

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

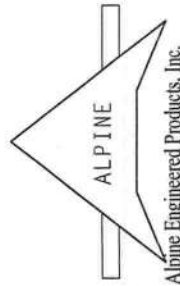
TC LL	20.0	PSF	REF	R487 - -	84928
TC DL	10.0	PSF	DATE	10/26/05	
BC DL	10.0	PSF	DRW	HCU8487	05299027
BC LL	0.0	PSF	HC-ENG	JB/AF	*
TOT.LD.	40.0	PSF	SEQN-	14009	
DUR.FAC.	1.25		FROM	JP	
SPACING	24.0"		JREF-	1SRM487_Z04	



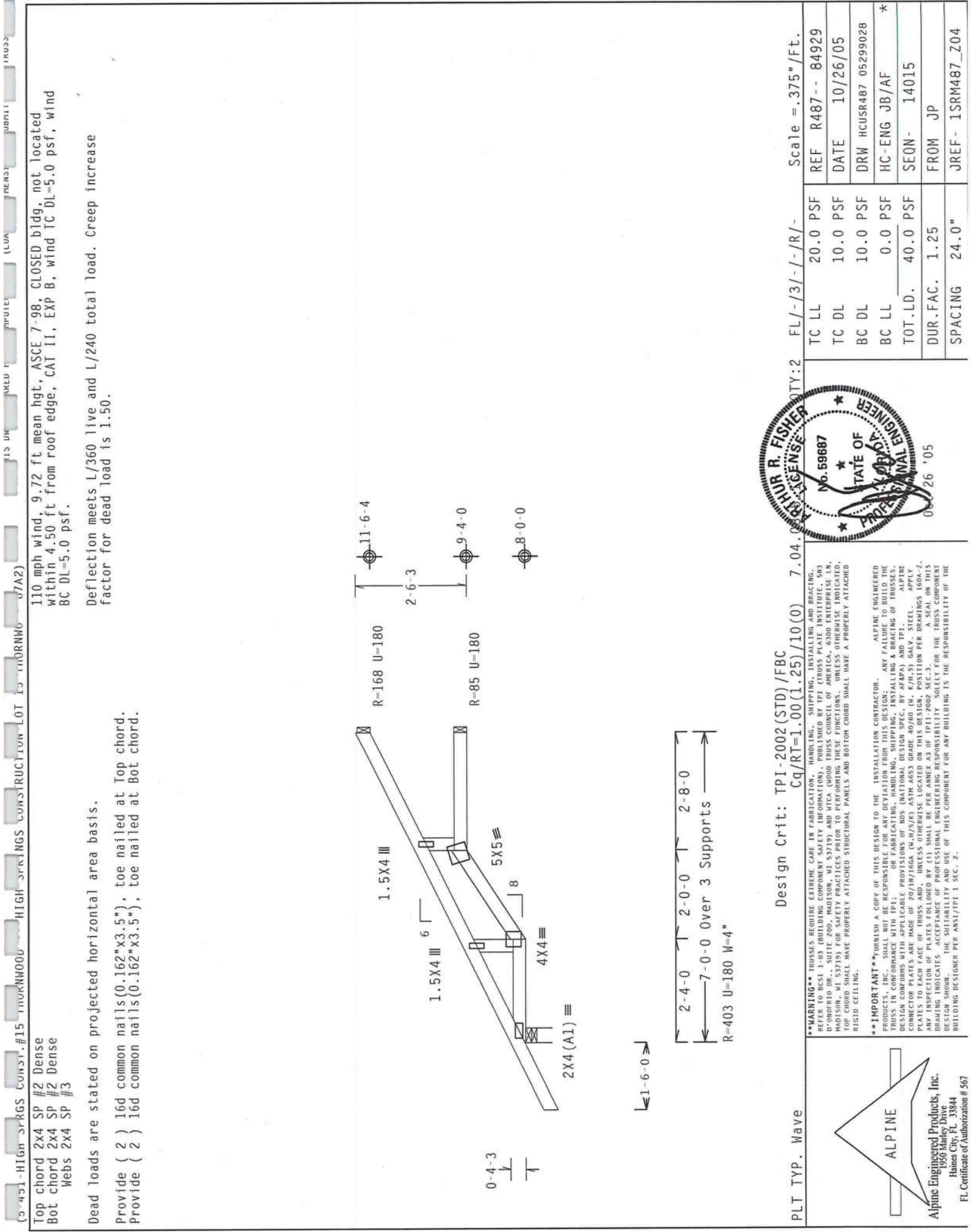
Oct 26 '05

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DCSE 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PAPER INSTITUTE, 583 D'ONOFIO DR., SUITE 200, MADISON, WI 53719) AND AISC (STEEL EDUCATION CENTER, 500 N. MICHIGAN, SUITE 1000, MADISON, WI 53703) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE ALPINE ENGINEERED PRODUCTS, SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO FOLLOW THE DESIGN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL FOLLOW THE ALPINE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF INTERNATIONAL DESIGN SPEC. FOR ALPINA AND TP1. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (H-HS/ST) ASTM A653 GRADE 40/60 (H, K/H-S) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP1-2002 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 TP1 1 SEC. 2.



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



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

Dead loads are stated on projected horizontal area basis.

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

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

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0

PLT TYP. Wave

Scale = .375" / Ft.

PLT TYP. Wave

PLT TYP. Wave

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

REF R487 -- 84929
DATE 10/26/05
DRW HCUSR487 05299028
HC-ENG JB/AF
SEQN - 14015
FROM JP
JREF - 1SRM487_Z04

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

ALPINE

ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN, FABRICATION, AND INSTALLATION OF THIS TRUSS. THE TRUSS SHALL BE DESIGNED TO MEET THE REQUIREMENTS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, 13TH EDITION, 2005. THE TRUSS SHALL BE DESIGNED TO RESIST THE EFFECTS OF DEAD, LIVE, WIND, AND SEISMIC LOADS. THE TRUSS SHALL BE DESIGNED TO MEET THE REQUIREMENTS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, 13TH EDITION, 2005. THE TRUSS SHALL BE DESIGNED TO RESIST THE EFFECTS OF DEAD, LIVE, WIND, AND SEISMIC LOADS.

ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN, FABRICATION, AND INSTALLATION OF THIS TRUSS. THE TRUSS SHALL BE DESIGNED TO MEET THE REQUIREMENTS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, 13TH EDITION, 2005. THE TRUSS SHALL BE DESIGNED TO RESIST THE EFFECTS OF DEAD, LIVE, WIND, AND SEISMIC LOADS. THE TRUSS SHALL BE DESIGNED TO MEET THE REQUIREMENTS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, 13TH EDITION, 2005. THE TRUSS SHALL BE DESIGNED TO RESIST THE EFFECTS OF DEAD, LIVE, WIND, AND SEISMIC LOADS.

ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN, FABRICATION, AND INSTALLATION OF THIS TRUSS. THE TRUSS SHALL BE DESIGNED TO MEET THE REQUIREMENTS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, 13TH EDITION, 2005. THE TRUSS SHALL BE DESIGNED TO RESIST THE EFFECTS OF DEAD, LIVE, WIND, AND SEISMIC LOADS. THE TRUSS SHALL BE DESIGNED TO MEET THE REQUIREMENTS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, 13TH EDITION, 2005. THE TRUSS SHALL BE DESIGNED TO RESIST THE EFFECTS OF DEAD, LIVE, WIND, AND SEISMIC LOADS.

ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN, FABRICATION, AND INSTALLATION OF THIS TRUSS. THE TRUSS SHALL BE DESIGNED TO MEET THE REQUIREMENTS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, 13TH EDITION, 2005. THE TRUSS SHALL BE DESIGNED TO RESIST THE EFFECTS OF DEAD, LIVE, WIND, AND SEISMIC LOADS. THE TRUSS SHALL BE DESIGNED TO MEET THE REQUIREMENTS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, 13TH EDITION, 2005. THE TRUSS SHALL BE DESIGNED TO RESIST THE EFFECTS OF DEAD, LIVE, WIND, AND SEISMIC LOADS.

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

Dead loads are stated on projected horizontal area basis.

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

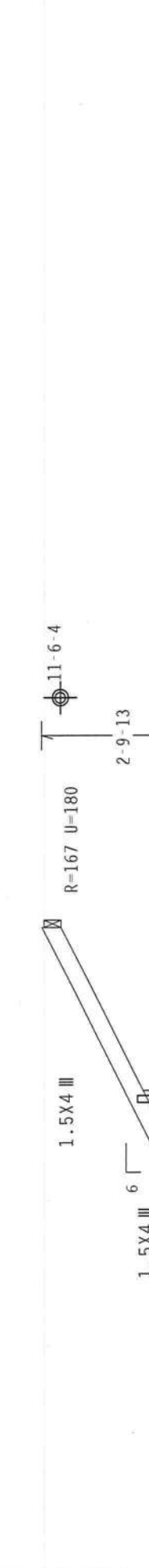
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.08

Scale = .375"/Ft.

PLT TYP. Wave

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.08

Scale = .375"/Ft.

PLT TYP. Wave

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

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.08

Scale = .375"/Ft.

PLT TYP. Wave

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

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.08

Scale = .375"/Ft.

PLT TYP. Wave

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

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.08

Scale = .375"/Ft.

PLT TYP. Wave

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

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.08

Scale = .375"/Ft.

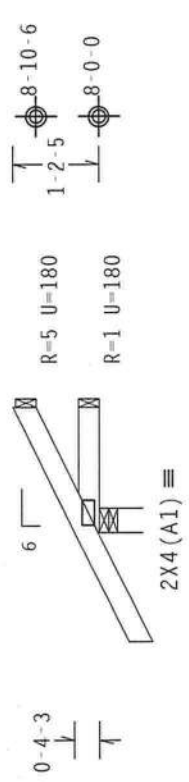
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

110 mph wind, 8.40 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.

Dead loads are stated on projected horizontal area basis.

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

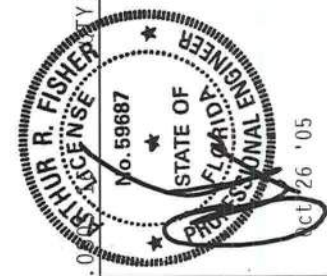
Provide { 2 } 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide { 2 } 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



1-8-5
Over 3 Supports
R-226 U=180 W=4"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0



TC LL	20.0 PSF	FL/-/3/-/-R/-	Scale = .375"/Ft.
TC DL	10.0 PSF		REF R487-- 84931
BC DL	10.0 PSF		DATE 10/26/05
BC LL	0.0 PSF		DRW HCUSR487 05299030
TOT.LD.	40.0 PSF		HC-ENG JB/AF *
DUR.FAC.	1.25		SEQN- 14006
SPACING	24.0"		FROM JP
			JREF- 1SRM487_Z04

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PROVIDE TO THE CONTRACTOR A COPY OF THE TPI TRUSS DESIGN SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/10/16GA (H/H/S/S) ASTM A653 GRADE 40/60 (H, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ARBEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 9.

Alpine Engineered Products, Inc.
1930 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

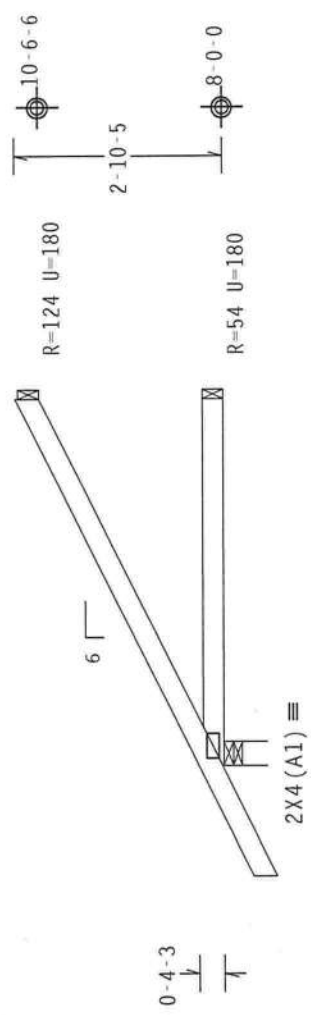
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Dead loads are stated on projected horizontal area basis.

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

110 mph wind, 9.23 ft mean hgt, ASCE 7-98, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0
psf.

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



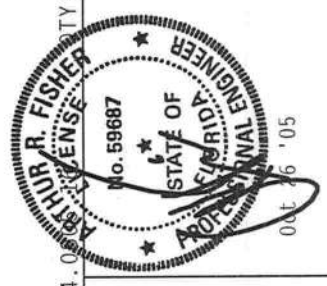
1-6-0

5-0-5
5-0-5 Over 3 Supports
R-321 U=180 W=4"

Design Crit: TPI-2002 (STD) / FBC
Cq/RT=1.00(1.25)/10(0) 7.04.05

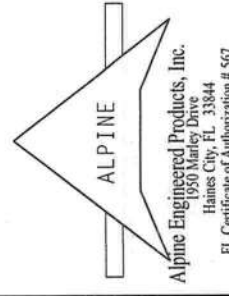
PLT TYP. Wave

TC LL	20.0 PSF	REF	R487 -- 84932
TC DL	10.0 PSF	DATE	10/26/05
BC DL	10.0 PSF	DRW	HCUSR487 05299031
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN	14005
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF	1SRM487_Z04



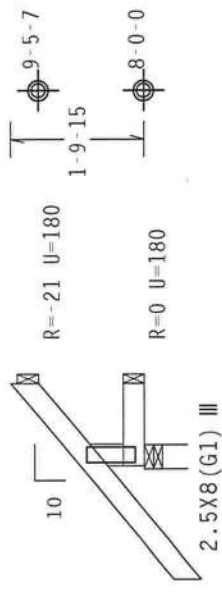
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR DETAILING OR FOR THE FAILURE TO BUILD THE TRUSS TO THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE PROPER HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/10/16GA (H/H/S/K) ASTM A653 GRADE 40/60 (H, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
:Lt Stubby Wedge 2x6 SP #2:
Roof overhang supports 2.00 psf soffit load.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 8.71 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.
Dead loads are stated on projected horizontal area basis.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

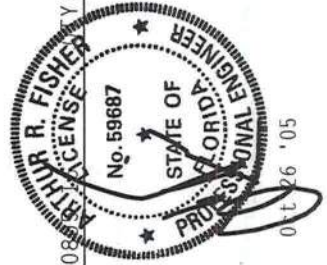


1-6-0
1-2-3 Over 3 Supports

R=212 U=180 W=4"
(3.5" Effective Contact)

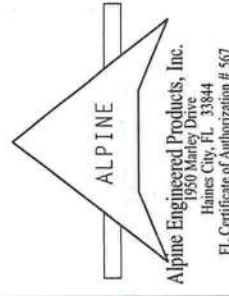
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

PLT TYP. Wave	7.04.08	FL/-/3/-/-/R/-	Scale = .375"/Ft.
TC LL	20.0 PSF	REF R487--	84933
TC DL	10.0 PSF	DATE	10/26/05
BC DL	10.0 PSF	DRW	HCUSR487 05299056
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	14004
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF-	1SRM487_Z04



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND 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 HAVE RESPONSIBILITY FOR THE DESIGN AND FABRICATION OF THE TRUSS. ANY FAILURE TO FOLLOW THE DESIGN CONFORMANCE WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PAS) AND TPI-ALPINE CONNECTOR PLATES ARE MADE OF 20/10/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (W, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

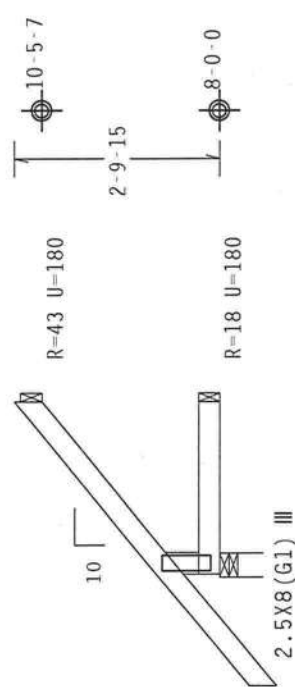


110 mph wind, 9.21 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

110 mph wind, 9.21 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.

Roof overhang supports 2.00 psf soffit load. Dead loads are stated on projected horizontal area basis.

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



2-4-9 Over 3 Supports
R-225 U=180 W=4"
(3.5" Effective Contact)

Design Crit: TPI-2002(STD)/FBC

[illegible]

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

Dead loads are stated on projected horizontal area basis.

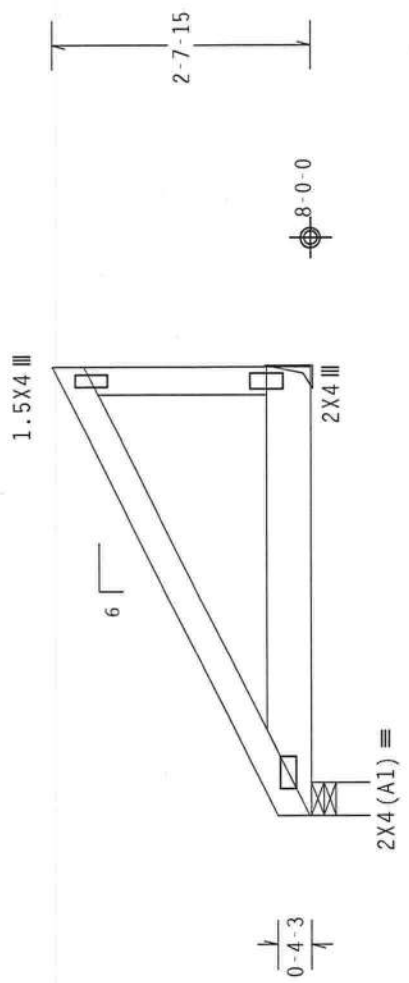
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

Right end vertical not exposed to wind pressure.

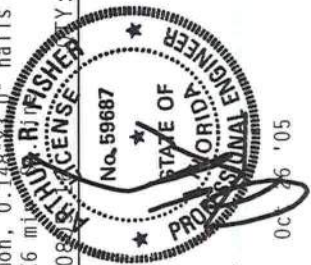
Girder supports 20-7-0 span to BC one face and 2-0-0 span to TC/BC split opposite face.

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



4-7-8 Over 2 Supports
R=1038 U-354 W=4"
R=1024 U-351 H-Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Design Crit: TPI-2002(STD)/FBC Girder is (1)2X6
Cq/RT=1.00(1.25)/10(0) 7.04.08

PLT TYP. Wave	Scale = .5" / Ft.	
	TC LL	20.0 PSF
	TC DL	10.0 PSF
	BC DL	10.0 PSF
	BC LL	0.0 PSF
	TOT.LD.	40.0 PSF
DUR.FAC.		1.25
SPACING		24.0"
REF		R487 -- 84935
DATE		10/26/05
DRW		HCUSR487 05299058
HC-ENG		JB/AF
SEQN		13999
FROM		JP
JREF		1SRM487_Z04



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 593 D'ONOFIO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS TO THE DESIGN REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE DESIGNING OF THE TRUSS DESIGN TO BE USED SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE NATIONAL DESIGN SPEC. BY AEPD) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W, H/S) ASTM A653 GRADE 40/50 (W, E/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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

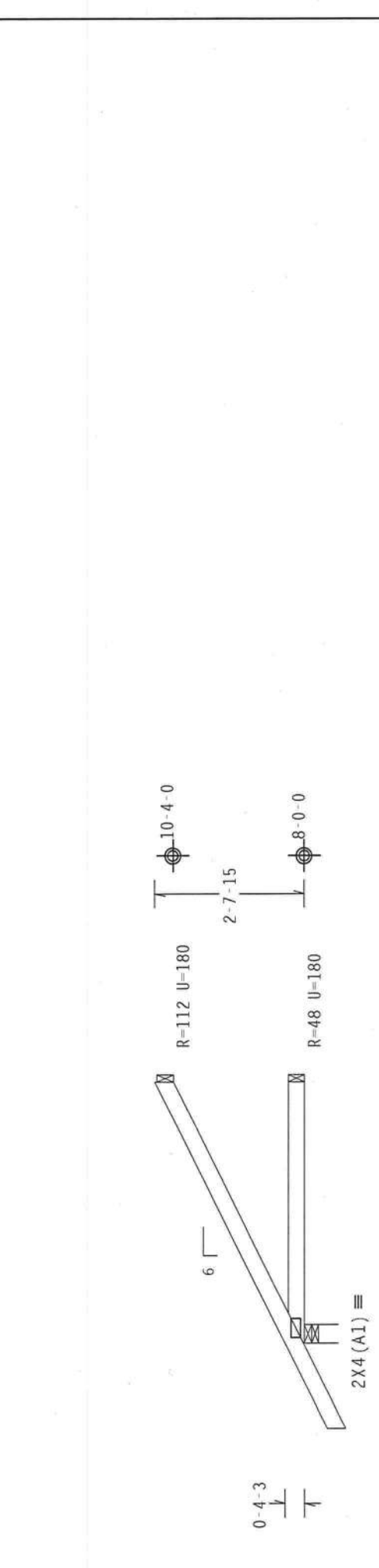
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Dead loads are stated on projected horizontal area basis.

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

110 mph wind, 9.13 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

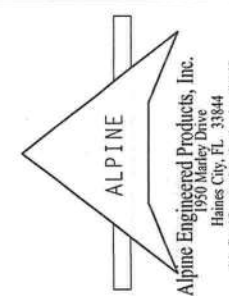
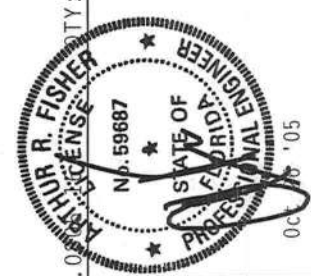


Design Crit: TPI-2002 (STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0

PLT TYP. Wave

Scale = .375"/Ft.

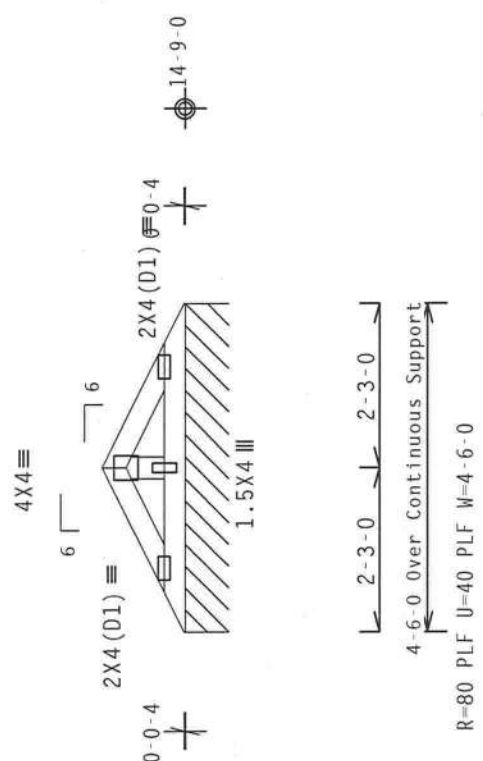
TC LL	20.0 PSF	REF	R487 -- 84936
TC DL	10.0 PSF	DATE	10/26/05
BC DL	10.0 PSF	DRW	HCUSR487 05299062
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN	14013
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF	1SRM487_Z04



110 mph wind, 15.47 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.

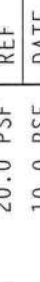
Dead loads are stated on projected horizontal area basis.

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



1-1-12

Design Crit: TPI-2002(STD)/FBC
C_g/D_T=1.00(1.25)/



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

PROJECT: 1.001.1.23 / 10 (V) 1.04.1.001.1.23 / 10 (V) 1.04.1.001.1.23 / 10 (V)

DATE: 10/26/05

REF: R487 -- 84937

DATE: 10/26/05

DRW: HCUR487 05299032

HC-ENG: JB/AF

SEQN: 14011

FROM: JP

JREF: 1SRM487_Z04

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"	

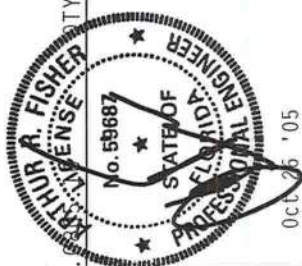
PROFESSIONAL ENGINEER
STATE OF FLORIDA
No. 59687

OCT 26 '05

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; OR FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/F) ASTM A653 GRADE 40/60 (4, 6/8/5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. UNLESS PLATE IS LONGER THAN TRUSS, THE LONGER PLATE SHALL BE USED. THE DESIGNER IS RESPONSIBLE FOR DRAINAGE INDICATES 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.

FL Certificate of Authorization # 567



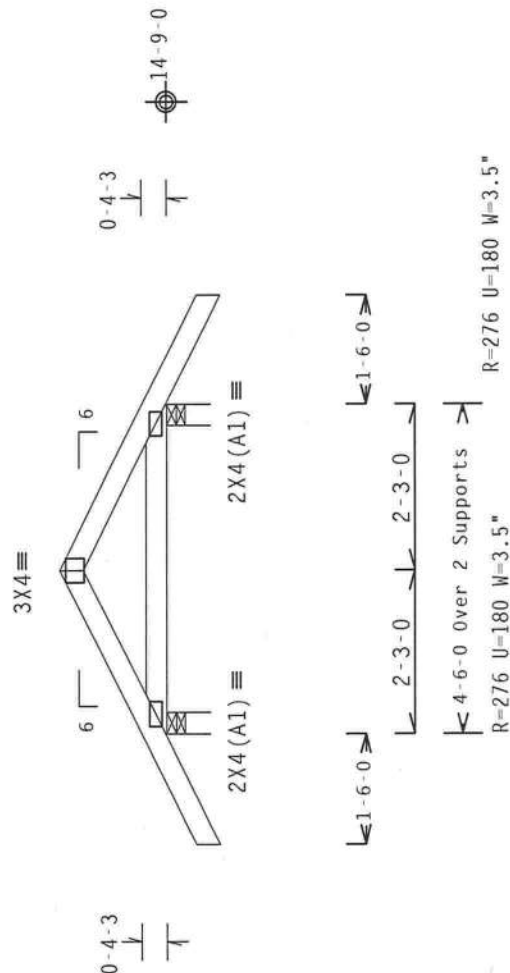

ALPINE
Alpine Engineered Products, Inc.
 1950 Marley Drive
 Haines City, FL 33844
 Tel. Certificate of Authorization # 567

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

Dead loads are stated on projected horizontal area basis.

110 mph wind, 15.28 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

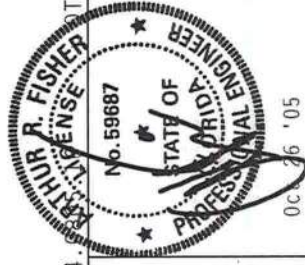


PLT TYP. Wave

Design Crit: TPI-2002 (STD) / FBC
Cq/RT=1.00(1.25)/10(0) 7.04

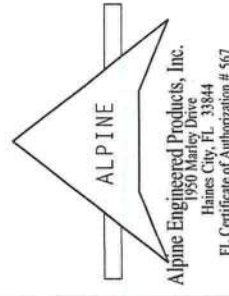
Scale = .375" / Ft.

TC LL	20.0 PSF	REF	R487-- 84938
TC DL	10.0 PSF	DATE	10/26/05
BC DL	10.0 PSF	DRW	HCUSR487 05299059
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	14014
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF-	1SRM487_Z04



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSS 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONDORF 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.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEFECTS OR DAMAGE TO THE TRUSS OR TO THE BUILDING OR TO THE PERSONS OR PROPERTY THEREIN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION, HANDLING, SHIPPING, AND BRACING OF TRUSSES. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ATAPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/10/16GA (H/H/S/K) ASTM A653 GRADE 40/60 (H, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



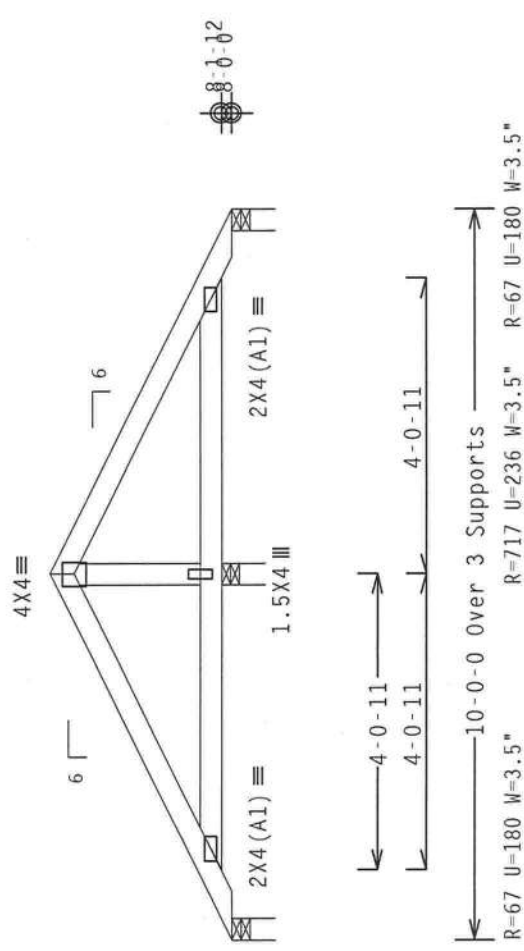
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 9.25 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.

Dead loads are stated on projected horizontal area basis.

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

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



PLT TYP. Wave

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

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.

TY:15 FL/-/3/-/R/-

TC LL	20.0 PSF	REF R487 - -	84939
TC DL	10.0 PSF	DATE	10/26/05
BC DL	10.0 PSF	DRW HCUSR487	05299060
BC LL	0.0 PSF	HC-ENG JB/AF	
TOT.LD.	40.0 PSF	SEQN -	14016
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF -	1SRM487_Z04

Scale = .375"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 O'DONOHIO DR., SUITE 200, MADISON, MI 53719) AND NITCA (NORTH 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**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR ANY RETENTION OF DESIGN. ANY FAILURE TO INDICATE THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/H) 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-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER 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.

ARTHUR R. FISHER
No. 19687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
04/26/05

MAX GABLE VERTICAL LENGTH		2X4 GABLE VERTICAL		BRACE		NO BRACES		(1) 1X4 "L" BRACE *		(1) 2X4 "L" BRACE *		(2) 2X4 "L" BRACE **		(1) 2X6 "L" BRACE *		(2) 2X6 "L" BRACE *	
		GABLE VERTICAL SPACING	SPECIES	GRADE	#1 / #2	#3	STUD	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
12" O.C.	SPFH	SPFH	SPFH	#1 / #2	3' 10"	3' 9"	3' 9"	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 5"	12' 5"	12' 9"	14' 0"	14' 0"
		HFH	HFH	STANDARD	3' 9"	3' 9"	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"
		SP	SP	#1	4' 3"	4' 3"	4' 3"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
		DFL	DFL	#3	4' 0"	4' 0"	4' 0"	6' 2"	7' 2"	7' 11"	8' 1"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
16" O.C.	SPFH	SPFH	SPFH	STANDARD	3' 10"	3' 9"	3' 9"	5' 3"	5' 3"	6' 11"	8' 0"	9' 5"	9' 5"	12' 5"	12' 8"	14' 0"	14' 0"
		HFH	HFH	#1 / #2	4' 5"	4' 5"	4' 5"	7' 8"	7' 10"	9' 1"	9' 4"	10' 10"	10' 10"	12' 5"	12' 6"	14' 0"	14' 0"
		SP	SP	#3	4' 4"	4' 4"	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		DFL	DFL	STANDARD	4' 4"	4' 4"	4' 4"	6' 4"	6' 4"	8' 4"	8' 4"	10' 10"	10' 10"	12' 11"	12' 11"	14' 0"	14' 0"
12" O.C.	SPFH	SPFH	SPFH	#1	4' 10"	4' 9"	4' 9"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		HFH	HFH	#2	4' 6"	4' 6"	4' 6"	7' 7"	7' 7"	9' 1"	9' 9"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		SP	SP	#3	4' 6"	4' 6"	4' 6"	7' 6"	7' 6"	9' 1"	9' 6"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		DFL	DFL	STANDARD	4' 5"	4' 5"	4' 5"	6' 5"	6' 5"	8' 6"	8' 6"	10' 10"	10' 10"	13' 3"	13' 3"	14' 0"	14' 0"
12" O.C.	SPFH	SPFH	SPFH	#1 / #2	4' 11"	4' 9"	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"
		HFH	HFH	STANDARD	4' 9"	4' 9"	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"
		SP	SP	#1	5' 4"	5' 3"	5' 3"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		DFL	DFL	#2	5' 0"	5' 0"	5' 0"	8' 5"	8' 5"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

DOUGLAS FIR-LARCH

#3		#3	
STUD	STANDARD	STUD	STANDARD

GROUP B:

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

SOUTHERN PINE		DOUGLAS FIR-LARCH	
#1	#2	#1	#2

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

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

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

ATTACH EACH "L" BRACE WITH 10d NAILS.

* FOR (1) "L" BRACE: SPACE NAILS AT 2' O.C.

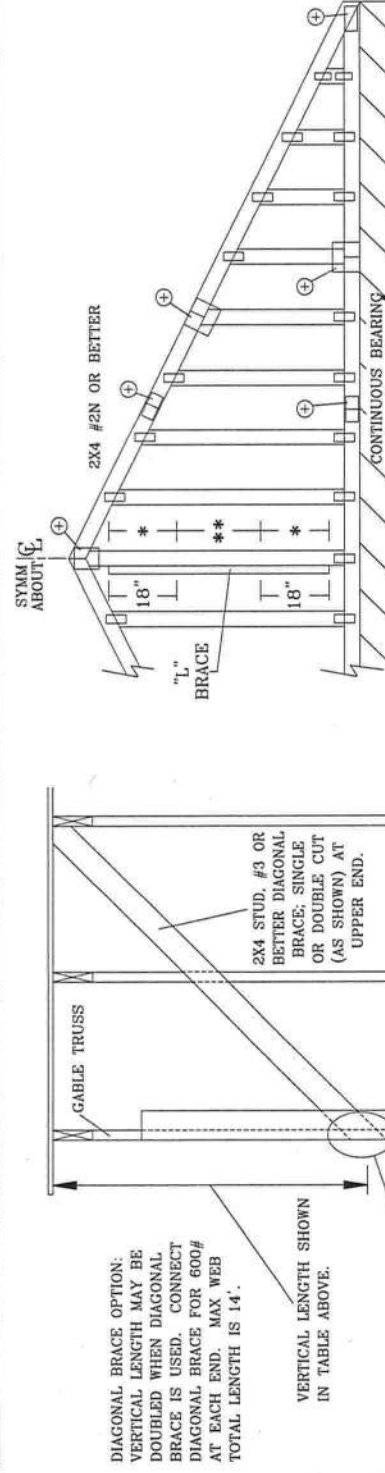
IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.

** FOR (2) "L" BRACES: SPACE NAILS AT 3' O.C.

IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

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

GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH	NO SPLICE	
LESS THAN 4' 0"	1X4 OR 2X3	
GREATER THAN 4' 0" BUT LESS THAN 11' 6"	2X4	
GREATER THAN 11' 6"	2-5X4	
+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.		



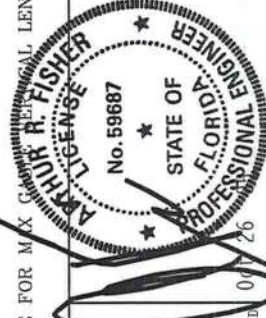
REFER TO CHART ABOVE FOR MAX GABLE TRUSS LENGTH.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1-03 (BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 983 D'ONDRIOD DR., SUITE 200, MADISON, WI 53719) AND VITCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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



ALPINE ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA

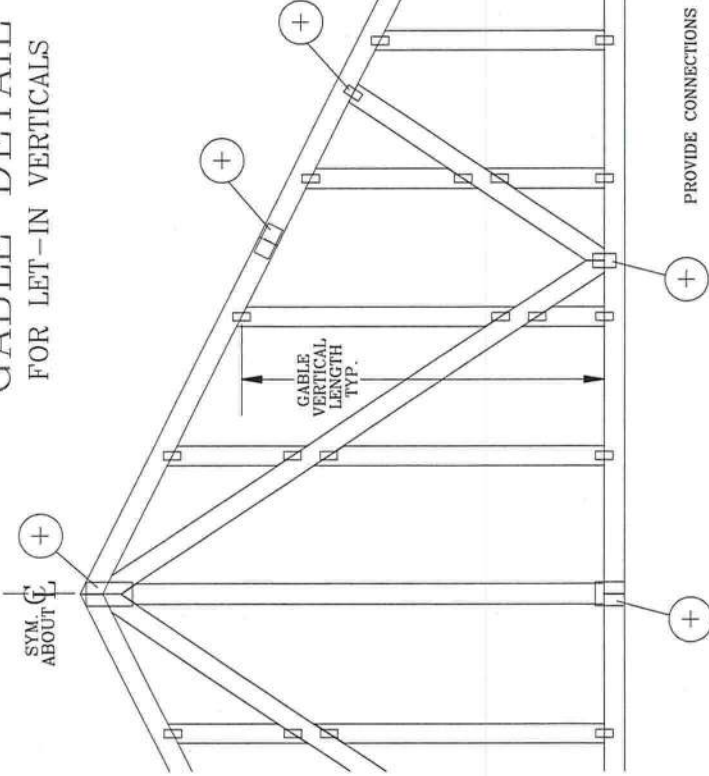


REF	ASCE7-98-CAB1015
DATE	11/26/03
DRWG	A11015EC1103
-ENG	

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

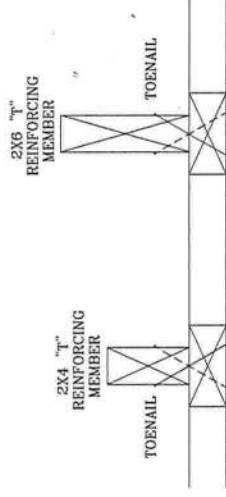
GABLE DETAIL FOR LET-IN VERTICALS



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

(+) REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPICE, WEB AND HEEL PLATES.
 * IF GABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE TO SPAN THE WEB.

EXAMPLE:



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

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

WEB LENGTH INCREASE W/ "T" BRACE

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

EXAMPLE:
 ASCE WIND SPEED = 100 MPH
 MEAN ROOF HEIGHT = 30 FT
 GABLE VERTICAL = 24" O.C. SP #3
 "T" REINFORCING MEMBER SIZE = 2X4
 "T" BRACE INCREASE (FROM ABOVE) = 10% = 1.10
 (1) 2X4 "L" BRACE LENGTH = 6' 7"
 MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH 1.10 x 6' 7" = 7' 3"

PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH HAND DRIVEN NAILS:
 10d COMMON TOENAILS AT 4" O.C. PLUS (4) 16d COMMON TOENAILS IN TOP AND BOTTOM CHORD.
 GUN DRIVEN NAILS - 0.131" X 3"
 TOENAILS AT 4" O.C. PLUS (4) TOENAILS IN TOP AND BOTTOM CHORD.

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

ASCE 7-93 GABLE DETAIL DRAWINGS
 A1015EN1103, A10015EN1103, A09015EN1103, A08015EN1103, A07015EN1103
 A1030EN1103, A10030EN1103, A09030EN1103, A08030EN1103, A07030EN1103
 ASCE 7-98 GABLE DETAIL DRAWINGS
 A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A08015EC1103
 A13030EC1103, A12030EC1103, A11030EC1103, A10030EC1103, A08030EC1103
 SBCCI GABLE DETAIL DRAWINGS
 S11015EN1103, S10015EN1103, S09015EN1103, S08015EN1103, S07015EN1103
 S11030EN1103, S10030EN1103, S09030EN1103, S08030EN1103, S07030EN1103

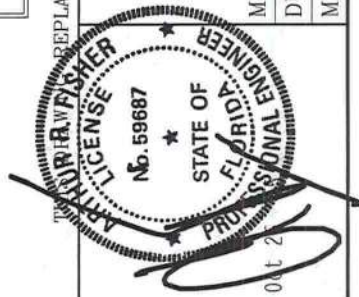
SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCCI WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.

*****WARNING***** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 DONDRIED DR., SUITE 200, MADISON, VT. 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 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 C/W/H/S/A3 ASTM A653 GRADE 40/60 C/W/H/S3 GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED BY ANOTHER PLATE, ALL PLATES SHALL BE PERMANENTLY ATTACHED TO THE TRUSS. ANY CHANGES TO THE TRUSS DESIGN SHALL BE THE RESPONSIBILITY OF THE DESIGNER. THE PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN, SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



ALPINE ENGINEERED PRODUCTS, INC.
 POMPANO BEACH, FLORIDA



THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

REF	LET-IN VERT
DATE	01/16/04
DRWG	GBLETIN1103
-ENG	DLJ/KAR
MAX TOT. LD.	60 PSF
DUR. FAC.	ANY
MAX SPACING	24.0"

CLB WEB BRACE SUBSTITUTION

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

NOTES:

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

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

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

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

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

T-BRACING

OR

L-BRACING:

APPLY TO EITHER SIDE OF WEB

NARROW FACE

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

BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH

T-BRACE

OR

L-BRACE

T-BRACE L-BRACE

SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB.

NO MORE THAN (1) SCAB PER FACE.

ATTACH WITH 10d OR .128"x3" GUN

NAILS AT 6" O.C. BRACE IS A MINIMUM

80% OF WEB MEMBER LENGTH

SCAB BRACE



THIS DRAWING REPLACES DRAWING 579.640

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

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 563 D'ANGELO 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 COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE 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 A880 AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA CW/H/S/A3 ASTM A653 GRADE 40/60 CW/K/H/S2 GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF 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.
POMPANO BEACH, FLORIDA

MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

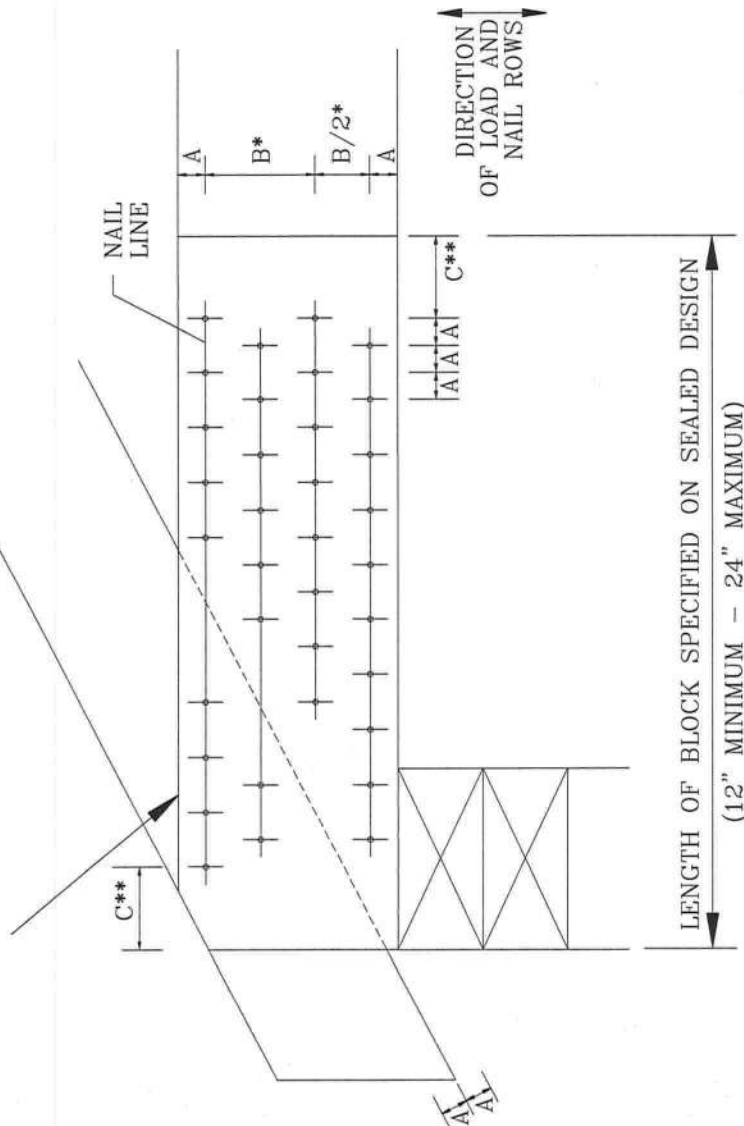
A - EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)

C - END DISTANCE (15 NAIL DIAMETERS)

- SPACING MAY BE REDUCED BY 50%

•• SPACING MAY BE REDUCED BY 33%

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



MINIMUM NAIL SPACING DISTANCES

NAIL TYPE	DISTANCES		
	A	B*	C**
8d BOX (0.113"X2.5")	3/4"	1 3/8"	1 3/4"
10d BOX (0.128"X3")	7/8"	1 5/8"	2"
12d BOX (0.128"X3.25")	7/8"	1 5/8"	2"
16d BOX (0.135"X3.5")	7/8"	1 5/8"	2 1/8"
20d BOX (0.148"X4")	1"	1 7/8"	2 1/4"
8d COMMON (0.131"X2.5")	7/8"	1 5/8"	2"
10d COMMON (0.148"X3")	1"	1 7/8"	2 1/4"
12d COMMON (0.148"X3.25")	1"	1 7/8"	2 1/4"
16d COMMON (0.162"X3.5")	1'	2"	2 1/2"
0.120"X2.5" GUN	3/4"	1 1/2"	1 7/8"
0.131"X2.5" GUN	7/8"	1 5/8"	2"
0.120"X3.0" GUN	3/4"	1 1/2"	1 7/8"
0.131"x3.0" GUN	7/8"	1 5/8"	2"

LENGTH OF BLOCK SPECIFIED ON SEALED DESIGN
(12" MINIMUM - 24" MAXIMUM)

(12" MINIMUM - 24" MAXIMUM)



*******WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND REPLACING. REFER TO BCIS-1037 (BUILDING COMPANION SAFETY INFORMATION), PUBLISHED BY TPI CRUSS PLATE INSTITUTE, 5803 DORFHOFF DR., SUITE 200, MADISON, WI 53719 AND WTC-WOOD TRUSS COUNCIL, 600 E. FLICK ST., CHICAGO, IL 60605 FOR ADDITIONAL INFORMATION. THE FOLLOWING INFORMATION CONCERNING THESE TRUSSES IS BASED ON THE MANUFACTURER'S RECOMMENDATIONS. THE USER SHALL HAVE PROPERLY ATTACHED FUNCTIONAL BARS AND NOTTING CHORDS. A PROPERLY ATTACHED RIGID CLIP LING.

FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR ALPINE ENGINEERED PRODUCTS INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & UNLOADING THE TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS NATIONAL DESIGN SPEC. BRACING OF TRUSSES. CONNECTION PLATES ARE MADE OF 2018/16GA XW/SKX ASTM A653 GRADE GALV. BRACKET & WAP AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA XW/SKX ASTM A653 GRADE GALV. 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 CD SHALL BE CONDUCTED BY AN INDEPENDENT THIRD PARTY. DISCREPANCIES BETWEEN THIS DESIGN AND THE DRAWINGS ARE THE RESPONSIBILITY OF THE DESIGNER. THE DESIGNER'S RESPONSIBILITY IS TO PROVIDE ALL INFORMATION NECESSARY 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.
POMPANO BEACH, FLORIDA

4. R. R. Fick, THIS DRAWING REPLACES DRAWING B139 AND CNBERGLK0699

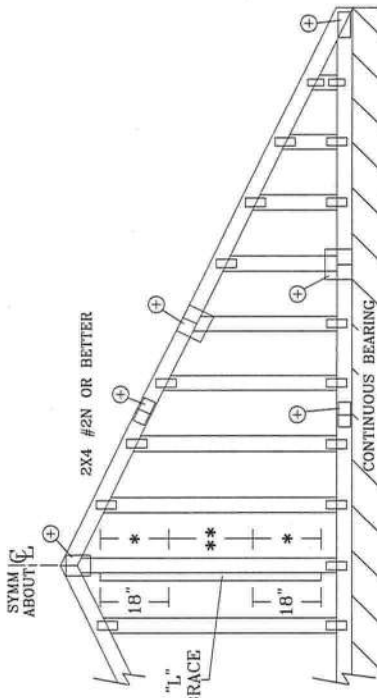
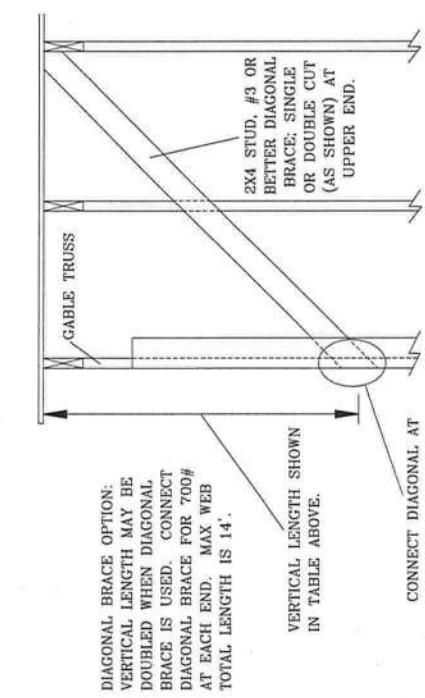
REF BEARING BLOCK

DATE 11/26/03

DRWG CNBRGBLK1103

-ENG SJP/KAR

2X4 GABLE TRUSS		BRACE		NO BRACES		(1) 1X4 "L" BRACE		(2) 2X4 "L" BRACE		(1) 2X6 "L" BRACE		(2) 2X6 "L" BRACE		(1) 2X8 "L" BRACE		(2) 2X8 "L" BRACE	
		GABLE TRUSS	GRADE	GABLE TRUSS	GRADE	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
MAX GABLE VERTICAL LENGTH	12" O.C.	SPF	#1 / #2	3' 8"	6' 4"	6' 4"	7' 6"	7' 6"	8' 11"	9' 2"	11' 9"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		HF	#3	3' 7"	5' 5"	5' 5"	7' 2"	7' 2"	8' 11"	8' 11"	11' 2"	11' 2"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	STANDARD	3' 7"	5' 5"	5' 5"	7' 1"	7' 1"	8' 11"	8' 11"	11' 1"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	#1	4' 0"	6' 4"	6' 4"	7' 6"	7' 6"	8' 11"	8' 11"	9' 6"	9' 6"	12' 11"	12' 11"	14' 0"	14' 0"	14' 0"
MAX GABLE VERTICAL LENGTH	24" O.C.	SP	#2	3' 11"	6' 4"	6' 4"	7' 6"	7' 6"	8' 11"	9' 7"	11' 9"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		DFL	#3	3' 9"	5' 7"	5' 7"	7' 4"	7' 4"	8' 11"	9' 5"	11' 5"	11' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	STANDARD	3' 9"	5' 6"	5' 6"	7' 3"	7' 3"	8' 11"	9' 5"	11' 4"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	#1 / #2	4' 2"	7' 3"	7' 3"	8' 7"	8' 7"	10' 3"	10' 6"	13' 5"	13' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
MAX GABLE VERTICAL LENGTH	16" O.C.	SPF	#1	4' 1"	6' 8"	6' 8"	8' 7"	8' 7"	10' 3"	10' 3"	13' 5"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		HF	#2	4' 1"	6' 8"	6' 8"	8' 7"	8' 7"	10' 3"	10' 3"	13' 5"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	STANDARD	4' 7"	7' 3"	7' 3"	8' 7"	8' 7"	10' 3"	11' 0"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	#3	4' 6"	7' 3"	7' 3"	8' 7"	8' 7"	10' 3"	11' 0"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
MAX GABLE VERTICAL LENGTH	12" O.C.	SP	#2	4' 4"	6' 10"	6' 10"	8' 7"	8' 7"	10' 3"	10' 9"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		DFL	STUD	4' 4"	6' 9"	6' 9"	8' 7"	8' 7"	10' 3"	10' 9"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	#1	4' 2"	5' 10"	5' 10"	7' 8"	7' 8"	10' 3"	10' 4"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	#1 / #2	4' 7"	8' 0"	8' 0"	9' 5"	9' 5"	11' 3"	11' 7"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
MAX GABLE VERTICAL LENGTH	12" O.C.	SPF	#3	4' 6"	7' 8"	7' 8"	9' 5"	9' 5"	11' 3"	11' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		HF	STUD	4' 6"	7' 8"	7' 8"	9' 5"	9' 5"	11' 3"	11' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	#1	5' 1"	8' 0"	8' 0"	9' 5"	9' 5"	11' 3"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	#3	4' 9"	7' 11"	7' 11"	9' 5"	9' 5"	11' 3"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
MAX GABLE VERTICAL LENGTH	12" O.C.	SP	STUD	4' 9"	7' 9"	7' 9"	9' 5"	9' 5"	11' 3"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		DFL	STANDARD	4' 7"	6' 9"	6' 9"	8' 10"	8' 10"	11' 3"	11' 7"	13' 10"	13' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"



GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 100 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

GABLE END SUPPORTS LOAD FROM 4' 0"

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

ATTACH EACH "L" BRACE WITH 10d NAILS.

* FOR (1) "L" BRACE: SPACE NAILS AT 2' O.C. IN 16" END ZONES AND 4' O.C. BETWEEN ZONES.

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

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

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

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

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

DOUGLAS FIR-LARCH

#3	STUD
STANDARD	

GROUP B:

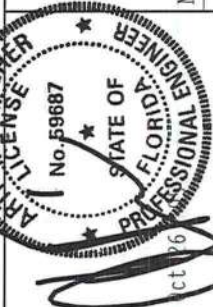
HEM-FIR		DOUGLAS FIR-LARCH	
#1 & BTR	#1	#1	#2

SOUTHERN PINE

#1	#2
----	----

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 DONGFRID DR., SUITE 200, MADISON, WI 53719, AND VITA C/O/DI TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS, NATIONAL DESIGN SPEC. BY AF&PA AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166GA C/W/H/S/30 ASTM A653 GRADE 40/60 C/W/H/S/30 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 (C) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER ANSI/TPI 1 SEC. 2.



REF	ASCE7-98-CAB11030
DATE	11/26/03
DRWG	A11030EC1103
-ENG	

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

PIGGYBACK DETAIL

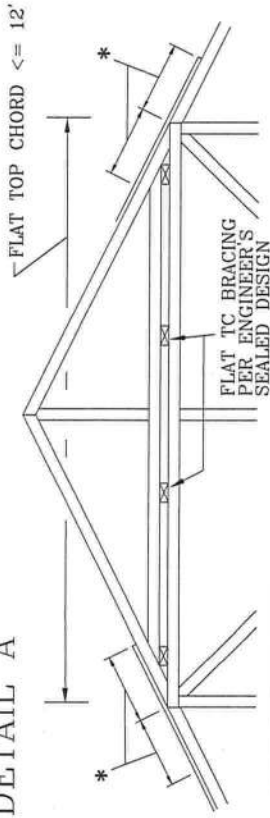
100 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

80 MPH WIND, 30.00 FT MEAN HGT, SBC, ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF, WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

100 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-98, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C, WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

NOTE: TOP CHORDS OF TRUSSES SUPPORTING PIGGYBACK CAP TRUSSES MUST BE ADEQUATELY BRACED BY SHEATHING OR PURLINS. PROVIDE DIAGONAL BRACING OR OTHER SUITABLE ANCHORAGE TO PERMANENTLY RESTRAIN PURLINS.

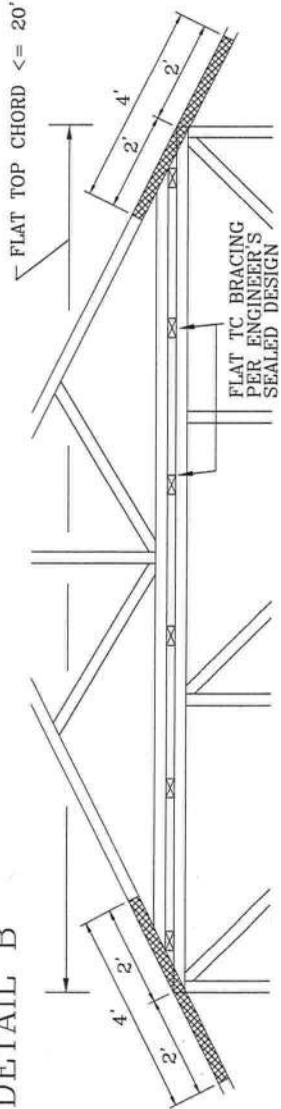
DETAIL A



PIGGYBACK CAP TRUSS TOENAILED TO ALL TOP CHORD BRACING WITH (2) 10d COMMON (0.148"x3") NAILS.

* 12" MIN RIGID SHEATHING OVERLAP WITH 8d COMMON (0.131"x2.5") OR GUN NAILS IN OVERLAP ZONE SPACED AT 4" O.C.

DETAIL B

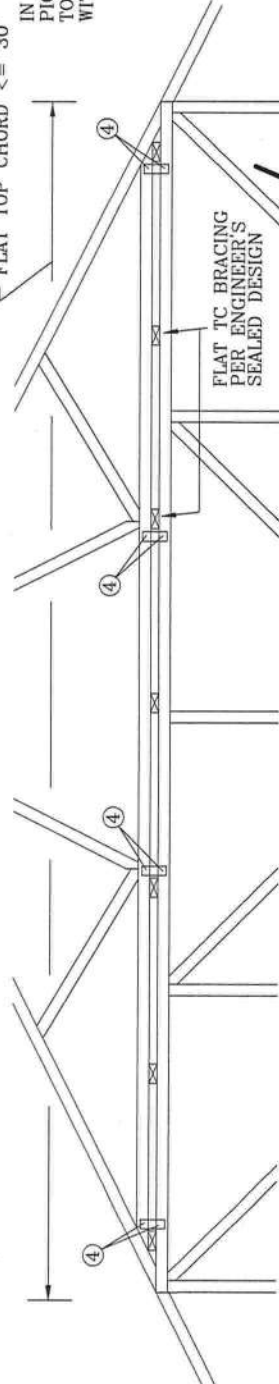


PIGGYBACK CAP TRUSS TOENAILED TO ALL TOP CHORD BRACING WITH (2) 10d COMMON (0.148"x3") NAILS AND SECURED WITH 2X4 #3 GRADE SCAB (1 SIDE ONLY) ATTACHED WITH 10d COMMON NAILS AT 4" O.C.

DETAIL C

CAP TRUSS TOENAILED TO TOP CHORD BRACING AND SECURED WITH 3X8 TRULOX PLATES (EACH FACE) AT EACH END AND AT 1/3 POINTS. CIRCLED NUMBER INDICATES REQUIRED NUMBER OF 0.120" X 1.375" NAILS PER FACE. SEE DRAWING 160TL FOR TRULOX INFORMATION.

FLAT TOP CHORD <= 30'

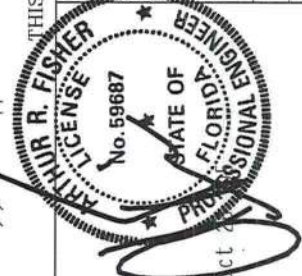


IN LIEU OF TRULOX CONNECTORS, ALPINE 62PB SPECIAL PIGGYBACK CONNECTORS MAY BE USED. SHOP APPLY TOOTHED PORTION FIELD ATTACH TO MATING TRUSS WITH (4) 0.120" X 0.375" NAILS MINIMUM EACH FACE.



8" X 8" X 1/2" RATED SHEATHING GUSSETS (EACH FACE) MAY BE USED IN LIEU OF TRULOX PLATES. ATTACH WITH (8) 8d COMMON NAILS PER GUSSET. (4) IN CAP BC AND (4) IN BASE TRUSS FLAT TC.

THIS DRAWING REPLACES DRAWINGS 581.670 & 961.860



TC LL	PSF	REF	PIGGYBACK
TC DL	PSF	DATE	04/14/05
BC DL	PSF	DRWG	PIGBACKA0405
BC LL	PSF	-ENG	DLJ/KAR
TOT. LD. MAX	60 PSF		
DUR. FAC.	1.15		
SPACING	24.0"		

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC 1-03 BUILDING CODES, PERMANENTLY MARKED WITH THE ALPINE 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 BUILDING CODES, OR ANY OTHER CODES. THE USER OF THIS DESIGN SHALL BE RESPONSIBLE FOR THE DESIGN OF TRUSSES, DESIGN CONNECTORS WITH APPLICABLE PROVISIONS OF THE BUILDING & SPEC. BY AFAPA AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/A) ASTM A653 GRADE 40/60 (W/K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY CD SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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.

☒

☒

FOOT
WHITE

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 2 1

☒

☒

☒

☒

☒

☒

☒

☒

Floor Plan including:

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



- Series 165 Single Hung and Fixed Windows
- Series 650 Single Hung and Fixed Windows
- Series 168 Horizontal Slider and Fixed Windows
- Series 680 Horizontal Slider and Fixed Windows

NOTE: SEE INDIVIDUAL TEST REPORT(S) FOR DP RATINGS AND MAXIMUM ALLOWABLE SIZES.

INSTALLATION INSTRUCTIONS FOR **"APPROVED FOR FLORIDA" ALUMINUM FIN WINDOWS**

Capitol Windows & Doors appreciates your recent purchase of a maintenance free prime window, which will not rust, rot, mildew, or warp. This is a quality product that left our factory in good condition – proper handling and installation are just as important as good design and workmanship. Please follow these recommendations to allow this product to complete its function.

1. Handle units one at a time in the closed and locked position and take care not to scratch frame or glass or to bend the nailing fin. Place a continuous bead of caulk on the back side of nail fin (mounting flange).
2. Set unit plumb and square into opening and make sure that there is $3/16" \pm 1/16"$ clearance around the frame. Fasten unit into opening in the closed and locked position, making sure that fasteners are screwed in straight in order to avoid twisting or bowing of the frame. Make sure that sill is straight and level. Check operation of unit frequently as fasteners are set.
3. Use # 8 sheet metal or wood screws with a minimum of 1" penetration into the framing (stud). Place first screws (two at each corner) 3" from end of fin. For positive and negative DPs (design pressures) up to 35, do not exceed 24" spacing of additional screws. For DPs from 35.1 to 50, do not exceed 18" spacing.
4. Caulk entire perimeter of fin to mounting surface joint and caulk over screw heads.
Note: this step can be eliminated if 4" wide adhesive type flashing is used (sill 1st., jambs 2nd., head 3rd.).
5. Fill voids between frame and construction with loose batten type insulation or non-expanding aerosol foam specifically formulated for windows and doors to eliminate drafts. The use of expanding aerosol type insulating foam, which can bow the frame, waives all stated warranties.
6. Remove plaster, mortar, paint, and debris that has collected on the unit and make sure that sash/vent tracks and interlocks are also clean. Do not use abrasives, solvents, ammonia, vinegar, alkaline, or acid solutions for clean-up, especially with insulated glass units as their use could cause chemical breakdown of the glass seal. Take care not to scratch glass; scratches severely weaken glass and it could eventually break from thermal expansion and contraction. Clean units with water and mild detergent.

- CAUTION -

Capitol Windows & Doors or its representatives are unable to control and cannot assume responsibility for the selection and placement of their products in a building or structure in a manner required by laws, statutes, and/or building codes. The purchaser is solely responsible for knowledge of and adherence to the same. BetterBilt window products are not provided with safety glazing unless specifically ordered with such. Many laws and codes require safety glazing (tempered glass) near doors, bathtubs, and shower enclosures. Also be aware of other code requirements such as emergency egress and structural / energy performance.

Corporate Headquarters:
M.I. Home Products
650 West Market St.
Gratz, PA 17030-0370
(717) 365-3300

www.mihp.com

JK 221
JULY 29, 2003



Rev. 7-24-03

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

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 450/650/850

Oriel with Drop-in Glazing

TYPE: Aluminum Single Hung Window with Nail-fin

FL5438.17

Title	Summary of Results
AAMA Rating	H-R35 48 x 84
Operating Force	23 lb max.
Air Infiltration	0.16 cfm/ft ²
Water Resistance Test Pressure	6.00 psf
Uniform Load Deflection Test Pressure	+35.3 psf -47.2 psf
Uniform Load Structural Test Pressure	+53.0 psf -70.8 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

Reference should be made to ATI Report No. 01-42963.01 for complete test specimen description and data.



Architectural Testing

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

Rendered to:

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

Report No: 01-42963.01
Test Dates: 10/18/02
And: 10/21/02
Report Date: 11/07/02
Expiration Date: 10/18/06

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to witness performance testing on a Series/Model 450/650/850 Oriel with Drop-in Glazing, aluminum single hung window at MI Home Products, Inc.'s test facility in Elizabethtown, Pennsylvania. The sample tested successfully met the performance requirements for an H-R35 48 x 84 rating.

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

Test Specimen Description:

Series/Model: 450/650/850 Oriel with Drop-in Glazing

Type: Aluminum Single Hung Window with Nail-fin

Overall Size: 3' 11-5/8" wide by 6' 11-5/8" high

Interior Sash Size: 3' 9-1/4" wide by 2' 5-3/4" high

Fixed Daylight Opening Size: 3' 6-3/8" wide by 4' 2-5/8" high

Screen Size: 3' 7-5/8" wide by 2' 5" high

Finish: All aluminum was white.

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

Test Specimen Description: (Continued)

Glazing Details: The active and fixed lite utilized 5/8" thick sealed insulating glass constructed from two sheets of 3/16" thick clear annealed glass and a metal reinforced butyl spacer system. The lites were interior glazed onto double-sided adhesive foam tape and secured with a flexible vinyl snap-in glazing beads.

Weatherstripping:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
0.230" high by 0.187" backed polypile with center fin	1 Row	Fixed meeting rail interlock
0.230" high by 0.187" backed polypile with center fin	2 Rows	Active sash stiles
3/4" wide by 5/8" long polypile pad	4 Pieces	Active sash all corners
1/4" foam filled vinyl bulb seal	1 Row	Bottom rail

Frame Construction: The frame was constructed of thermally broken extruded aluminum with coped, butted, sealed and fastened with two #8 x 1" screws through the head and sill into jamb screw boss. End caps were utilized on the ends of the fixed meeting rail and secured with two #6 x 1" screws per cap. Meeting rail was then secured to the frame utilizing two #6 x 1" screws.

Sash Construction: The sash was constructed of thermally broken extruded aluminum with coped, butted and fastened with one #8 x 3/4" screws per corner through the rails into the stile screw boss.

Screen Construction: The screen was constructed of 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	1	Interior meeting rail midspan
Plastic tile latch	2	Interior meeting rail ends
Metal tilt pins	2	Bottom rail ends
Balance assembly	2	One per jamb
Screen spring loaded retainer pin	2	4" from jambs on bottom screen rail

Test Specimen Description: (Continued)

Drainage: Sloped sill.

Installation: The unit was installed into a 2 x 8 #2 Spruce-Pine-Fir wood buck. The unit was secured utilizing #8 x 1-5/8" drywall screws placed 2-1/2" from corners and 14" on center around nail fin perimeter. Polyurethane was used as a sealant under nailing fin and around 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	23 lbs	30 lbs max.
2.1.2	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.16 cfm/ft ²	0.3 cfm/ft ² max.
<i>Note #1: The tested specimen meets the performance levels specified in AAMA/NBWDA 101/U.S. 2-97 for air infiltration.</i>			
2.1.3	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 52 seconds) @ 15.0 psf (positive) @ 15.0 psf (negative)	0.14" 0.14"	0.24" max. 0.24" max.
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) @ 22.5 psf (positive) @ 22.5 psf (negative)	0.01" <0.01"	0.17" max. 0.17" max.
2.2.1.6.2	Deglazing Test (ASTM E 987-88) In operating direction at 70 lbs Meeting rail Bottom rail In remaining direction at 50 lbs Right stile Left stile	 0.12"/25% 0.12"/25% 0.06"/12% 0.06"/12%	 0.50"/100% 0.50"/100% 0.50"/100% 0.50"/100%

Test Results: (Continued)

The results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.1.8	Forced Entry Resistance (ASTM F 588-97) Type: A Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Test A1 thru A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry

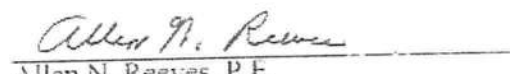
Optional Performance

4.3	Water Resistance (ASTM F 547-00) (with and without screen) WTP = 6.0 psf	No leakage	No leakage
4.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds) @ 35.3 psf (positive) @ 47.2 psf (negative)	0.27" 0.35"	0.24" max. 0.24" max.
	<i>*Exceeds L/175 for deflection but meets all other requirements.</i>		
4.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds) @ 53.0 psf (positive) @ 70.8 psf (negative)	0.02" 0.06"	0.17" max. 0.17" 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. This report may not be reproduced except in full without the approval of Architectural Testing.

For ARCHITECTURAL TESTING, INC:


Mark A. Hess
Technician


Allen N. Reeves, P.E.
Director - Engineering Services
5 NOVEMBER 2002

MAH:baw
01-42963.01

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

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 650

TYPE: Aluminum Triple Single Hung Window

Title	Summary of Results
AAMA Rating	11-R35 112 x 72
Operating Force	25 lb max.
Air Infiltration	0.16 cfm/ft ²
Water Resistance Test Pressure	5.25 psf
Uniform Load Deflection Test Pressure	35.3 psf - 35.0 psf
Uniform Load Structural Test Pressure	53.0 psf - 52.5 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

Reference should be made to ATI Report No. 01-41641.02 for complete test specimen description and data.

Architectural Testing

AAMA/NWWDA 101/1.S.2-97 TEST REPORT

Rendered to:

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

Report No: 01-41641.02

Test Dates: 05/13/02

And: 05/16/02

Report Date: 11/12/02

Expiration Date: 05/16/06

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to witness testing on a Series/Model 650, aluminum triple single hung window at their facility located in Elizabethville, Pennsylvania. The sample tested successfully met the performance requirements for a H-R35 112 x 72 rating.

Test Specification: The test specimen was evaluated in accordance with AAMA/NWWDA 101/1.S.2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors*.

Test Specimen Description:

Series/Model: 650

Type: Aluminum Triple Single Hung Window

Overall Size: 9' 3-1/2" wide by 5' 11-11/16" high

Active Sash Size (3): 3' 0-1/4" wide by 2' 10-3/4" high

Fixed Daylight Opening Size (3): 2' 8-1/4" wide by 2' 9-1/8" high

Screen Size (3): 2' 9-1/8" wide by 2' 11" high

Finish: All aluminum was painted white.

Test Specimen Description: (Continued)

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.

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" by 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. The meeting rail was secured to the frame utilizing two 1-1/4" screws. The mullions were secured utilizing four #8 x 1-1/4" screws through the head and sill into the mullion screw boss.

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 stiles' screw boss.

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

Test Specimen Description: (Continued)

Hardware:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Metal cam lock with keeper	1	Midspan of each active meeting rail with adjacent keepers
Plastic tilt latch	2	Each active sash meeting rail ends
Metal tilt pin	2	Each active sash bottom rail ends
Balance assembly	2	Each active sash contained one in each jamb
Screen plunger	2	Each screen contained two 4" from rail ends on top rail

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

Installation: The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood 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	25 lbs	30 lbs max.
2.1.2	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.16 cfm/ft ²	0.3 cfm/ft ² max.
2.1.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage

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

Test Results: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the mullion) (Loads were held for 52 seconds) @ 15.0 psf (positive) @ 15.0 psf (negative)	0.15" 0.29"	0.41" max. 0.41" max.
2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the mullion) (Loads were held for 10 seconds) @ 22.5 psf (positive) @ 22.5 psf (negative)	0.01" 0.01"	0.29" max. 0.29" max.
2.2.1.6.2	Deglazing Test (ASTM E 987-88) In operating direction at 70 lbs Right sash, meeting rail Right sash, bottom rail Middle sash, meeting rail Middle sash, bottom rail Left sash, meeting rail Left sash, bottom rail	0.12"/25% 0.12"/25% 0.12"/25% 0.12"/25% 0.12"/25% 0.12"/25%	0.50"/100% 0.50"/100% 0.50"/100% 0.50"/100% 0.50"/100% 0.50"/100%
	In remaining direction at 50 lbs Right sash, right stile Right sash, left stile Middle sash, right stile Middle sash, left stile Left sash, right stile Left sash, left stile	0.06"/12% 0.06"/12% 0.06"/12% 0.06"/12% 0.06"/12% 0.06"/12%	0.50"/100% 0.50"/100% 0.50"/100% 0.50"/100% 0.50"/100% 0.50"/100%
2.1.8	Forced Entry Resistance (ASTM F 588-97) Type: A Grade: 10 Lock Manipulation Test Test A1 through A5 Test A7 Lock Manipulation Test	No entry No entry No entry No entry	No entry No entry No entry No entry

Test Results: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
<u>Optional Performance</u>			
4.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 5.25 psf	No leakage	No leakage
4.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the mullion) (Loads were held for 52 seconds) @ 35.3 psf (positive) @ 35.0 psf (negative)	0.46" 0.41"	See Note #2 See Note #2
<i>Note #2: The Uniform Load Deflection test is not an AIAA/UNWTD 101/L.S.2-97 requirement for this product designation. The data is recorded in this report for information only.</i>			
4.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the mullion) (Loads were held for 10 seconds) @ 53.0 psf (positive) @ 52.5 psf (negative)	0.03" 0.02"	0.29" max. 0.29" 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. This report may not be reproduced, except in full, without written approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, INC:


Mark A. Hess
Technician


David A. Kranz
Director - Product Physical Testing



**AAMA/NWWDA 101/1.S.2-97
TEST REPORT SUMMARY**

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 650

TYPE: Aluminum Picture Window

Title of Test	Results
Rating	F-R45 60 x 80
Overall Design Pressure	+45.0 psf -47.2 psf
Air Infiltration	0.04 cfm/ft ²
Water Resistance	8.25 psf
Structural Test Pressure	+67.5 psf -70.8 psf
Forced Entry Resistance	Grade 10

Reference should be made to Report No. 01-41135.01 dated 03/26/02 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.

Mark A. Hess, Technician

MAH:nlb

Allen W. Reuss
1 APRIL 2002



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

Rendered to:

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

Report No: 01-41135.01
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, aluminum picture window at their facility located in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for a F-R45 60 x 80 rating.

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

Test Specimen Description:

Series/Model: 650

Type: Aluminum Picture Window

Overall Size: 5' 0" wide by 6' 8" high

Daylight Opening Size: 4' 9-1/4" wide by 6' 5-1/4" high

Finish: All aluminum was white.

Glazing Details: The test specimen utilized 7/8" thick, sealed insulating glass constructed from two sheets of 3/16" thick, clear annealed glass and a metal reinforced butyl spacer system. The glass was interior glazed against double-sided adhesive foam tape and secured with aluminum snap-in glazing beads.

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

Allen M. Reum
1 APRIL 2002



Test Specimen Description: (Continued)

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.

Reinforcement: No reinforcement was utilized.

Installation: The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood test buck. #8 x 2-1/2" installation screws were utilized 18" on center around the interior perimeter. Polyurethane was utilized to seal the exterior.

Test Results:

The results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.1.2	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.04 cfm/ft ²	0.3 cfm/ft ² max.
<i>Note #1: The tested specimen meets the performance levels specified in AAMA/NWDA 101/I.S. 2-97 for air infiltration.</i>			
2.1.3	Water Resistance (ASTM E 547-00) 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 jamb) (Loads were held for 33 seconds) @ 25.9 psf (positive) @ 34.7 psf (negative)	0.01" 0.01"	0.41" max. 0.41" max.
2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the jamb) (Loads were held for 10 seconds) @ 38.9 psf (positive) @ 52.1 psf (negative)	0.0" 0.01"	0.29" max. 0.29" max.

Allen H. Reenan
1 APRIL 2002

Test Results: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.1.8	Forced Entry Resistance (ASTM F 588-97) Type: D Grade: 10 Hand and Tool Manipulation Test	No entry	No entry
<u>Optional Performance</u>			
4.3	Water Resistance (ASTM E 547-00) WTP = 8.25 psf	No leakage	No leakage
4.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the jamb) (Loads were held for 33 seconds) @ 45.0 psf (positive) @ 47.2 psf (negative)	0.02" 0.02"	0.41" max. 0.41" max.
4.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the jamb) (Loads were held for 10 seconds) @ 67.5 psf (positive) @ 70.8 psf (negative)	0.01" 0.02"	0.29" max. 0.29" max.

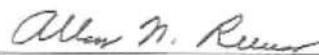
Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification.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

For ARCHITECTURAL TESTING, INC:



Mark A. Hess
Technician

MAH:nlb
01-41135.01



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

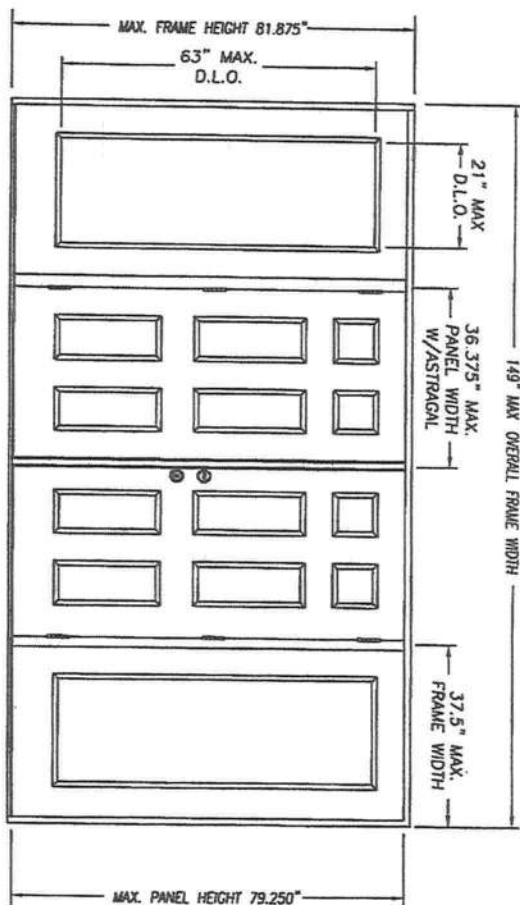
Product
Approval
FL4904

Masonite

SIDE-HINGED WOOD-EDGE STEEL DOOR UNIT
6'-8" DOUBLE DOOR WITH / WITHOUT SIDELITES

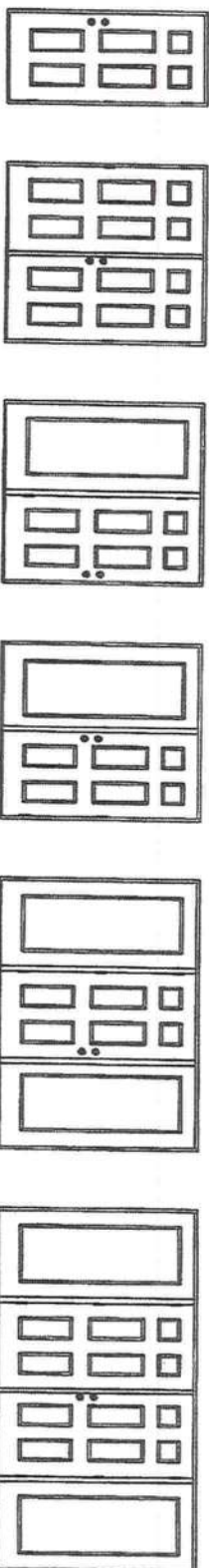
GENERAL NOTES

- EVALUATED FOR USE IN LOCATIONS ADHERING TO THE FLORIDA BUILDING CODE AND WHERE PRESSURE REQUIREMENTS AS DETERMINED BY ASCE 7, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, DOES NOT EXCEED THE DESIGN PRESSURES LISTED
- HURRICANE PROTECTIVE SYSTEM (SHUTTERS) IS NOT REQUIRED ON OPAQUE PANELS, BUT IS REQUIRED ON GLAZED SIDELITES
- POLYURETHANE CORE FLAME SPREAD INDEX OF 50 AND SMOKE DEVELOPED INDEX OF 60 PER ASTM E84
- PLASTICS TESTING OF LITE FRAME MATERIAL:
TEST DESCRIPTION DESIGNATION RESULT
SELF IGNITION TEMP ASTM D1929 680 °F > 650 °F
RATE OF BURNING ASTM D635 1.10 IN/MIN
SMOKE DENSITY ASTM D2843 69.6%
TENSILE STRENGTH* ASTM D638 -7.48% DIF
* COMPARATIVE TENSILE STRENGTH AFTER WEATHERING 4500 HOURS XENON ARC METHOD 1



DOUBLE INSWING UNIT W/SIDELITES

Attention: MIM
Designed By: NICOLLO
Reviewed By: 8/10/05



SINGLE DOOR UNIT

DOUBLE DOOR UNIT

SINGLE DOOR UNIT
WITH SIDELITE

SINGLE DOOR UNIT
WITH SIDELITE

SINGLE DOOR UNIT W/SIDELITES

DOUBLE DOOR UNIT W/SIDELITES

HEET #	DESCRIPTION
1	TYPICAL ELEVATIONS & GENERAL NOTES
2	ANCHORING LOCATIONS & DETAILS
3	ANCHORING LOCATIONS & DETAILS

CONFIG	MAX WIDTH	DESIGN PRESSURE RATING	WHERE WATER INFILTRATION PERFORMANCE IS REQUIRED TO BE 15% OF DESIGN PRESSURE
X	37.5"	INSWING	INSWING
XX	74"	+76.0 / -76.0	+19.0 / -19.0
OX or XO	74"	+55.0 / -55.0	+55.0 / -55.0
O/XO	117.5"	+55.0 / -55.0	+19.0 / -19.0
O/XO	149"	+55.0 / -55.0	+19.0 / -19.0

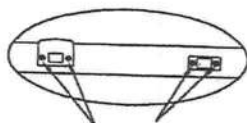
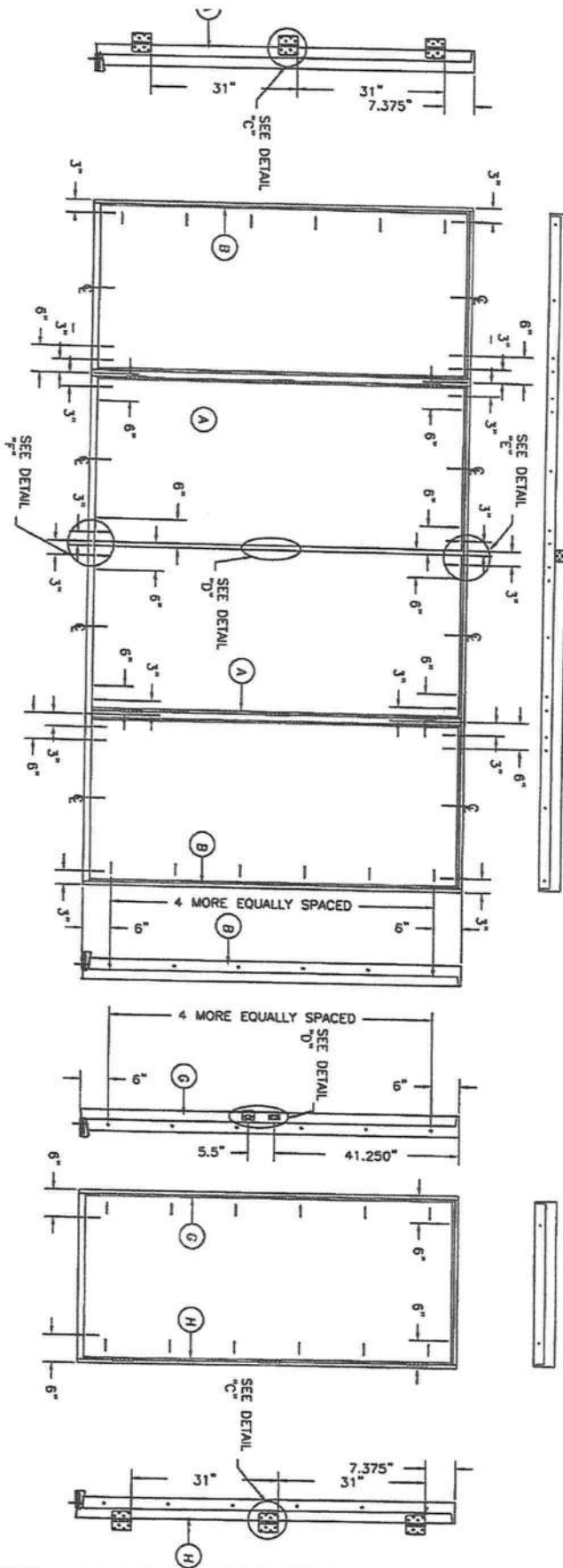
DATE	7/11/05
SCALE	N.T.S.
DRW. BY	SWS
CHECK BY	
DESIGN NO.	
DMC-MA-F10128-05	
SHEET	1 OF 3

PRODUCT:
"EXTERIOR DOOR PRODUCT"
DOUBLE 6"8" OPAQUE
WOOD-EDGE STEEL DOOR

PART OR ASSEMBLY:
TYPICAL ELEVATIONS
& GENERAL NOTES

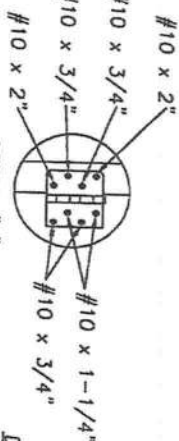
MASONITE INTERNATIONAL CORP.
7300 REAMES RD.
CHARLOTTE, NC 28216

NO.	DATE	REVISIONS



INSWING THRESHOLD

DETAIL "D"

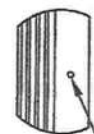


DETAIL "C"

DETAIL "E" ASTRAGAL
ATTACH ASTRAGAL RETAINER BOLT
STRIKE PLATE TO FRAME
AS SHOWN.



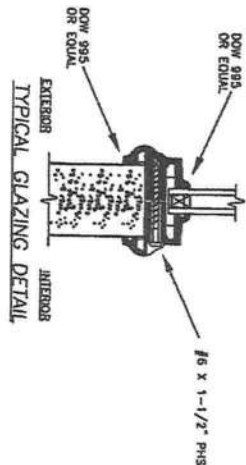
DETAIL "F" ASTRAGAL



ASTRAGAL RETAINER BOLT HOLE
MUST BE DRILLED THROUGH
THE THRESHOLD & INTO THE
STRUCTURE DEEP ENOUGH
FOR A 1.375" THROW

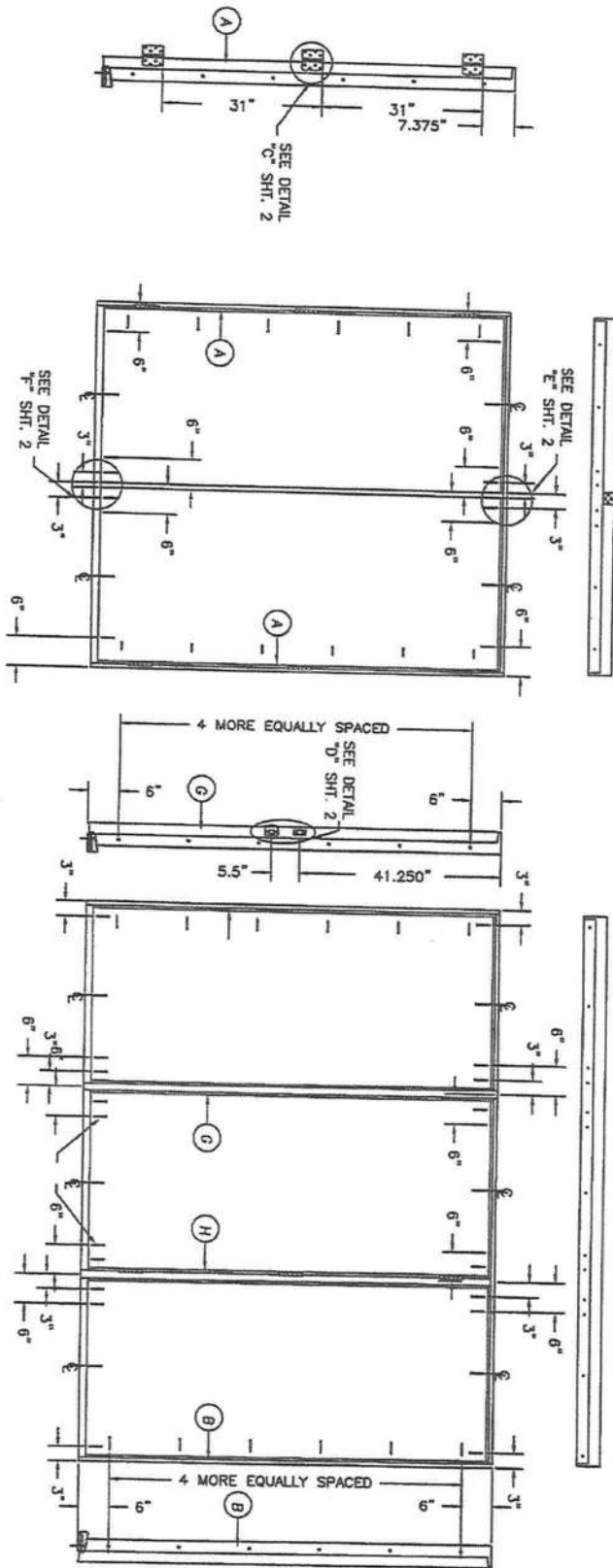
Confession by: **NICOLLO**
Reviewed by: **BLIOLOS**
Date Reviewed: **8/10/05**

Masonite International



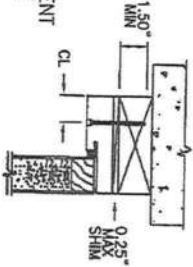
TYPICAL GLAZING DETAIL

DATE: 7/11/05		SCALE: N.T.S.		DWG. BY: SWS		CHK. BY:		DRAWING NO.: DWG-44-FL0128-05		SHEET 2 OF 3	
NO.		DATE		BY		REVISIONS		PRODUCT:		MASONITE INTERNATIONAL CORP.	
								"EXTERIOR DOOR PRODUCT"		7300 REAMES RD.	
								DOUBLE 6"-8" GIPHQUE		CHARLOTTE, NC 28216	
								WOOD-EDGE STEEL DOOR			
								PART OR ASSEMBLY:			
								ANCHORING LOCATIONS			
								& DETAILS			



ATTACHMENT DETAIL

1. ANCHOR ANALYSIS FOR LOADING CONDITIONS PREPARED, SIGNED AND SEALED BY HAROLD E. RUPP, PE (FLORIDA #15935) WITH THE LOWEST (LEAST) FASTENER RATING FROM THE DIFFERENT FASTENERS BEING CONSIDERED FOR USE. JAMB, HEAD, AND THRESHOLD FASTENERS ANALYZED FOR THIS UNIT INCLUDE #10 WOOD SCREWS OR 3/16" TAPCONS. A PHYSICAL SHIM MUST BE PLACED IN SHIM SPACE AT EACH ANCHOR LOCATION.
2. THE WOOD SCREW SINGLE SHEAR DESIGN VALUES COME FROM ANSI/AF&PA NDA FOR SOUTHERN PINE LUMBER AND ACHIEVEMENT OF 1-1/2" MINIMUM EMBEDMENT. THE TAPCON MUST ACHIEVE MINIMUM EMBEDMENT OF 1-1/4".
3. WOOD BUCKS BY OTHERS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO STRUCTURE.
4. MINIMUM DESIGN VALUE STRENGTH OF ANCHORS 171 LBS.



HARDWARE SCHEDULE

1.	KWIKSET OR SCHLEGE ANSI/BHMA GRADE 3 OR BETTER CYLINDRICAL AND DEADLOCK HARDWARE TO BE INSTALLED AT 5-1/2" CENTERLINE.
2.	4" X 4" FULL MORTISE BUTT HINGES

Certified by: NICOLETTO
 Reviewed by: 8/10/05
 Date: 8/10/05

DATE: 7/11/05				PRODUCT:		MASONITE INTERNATIONAL CORP. 7300 REAMES RD. CHARLOTTE, NC 28216
SCALE: N.T.S.				"EXTERIOR DOOR PRODUCT" 6"-8" WOOD-EDGE STEEL OPAQUE DOUBLE DOOR UNIT		
DWG. BR: SMS				PART OR ASSEMBLY:		
DRAWING NO.: DWG-44-T-0120-05				ANCHORING LOCATIONS & DETAILS		
CHK. BY:						
NO.				DATE		
				REVISIONS		
				BY		



DUCT SYSTEM SUMMARY

Entire House

LARRY RESMONDO A/C

Job: LOT 15 THORNWOOD
10/19/05

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

For: HIGH SPRINGS CONSTRUCTION
HIGH SPRINGS, FL 32643

	HEATING	COOLING
External Static Pressure:	0.10 in H2O	0.10 in H2O
Pressure Losses:	0.25 in H2O	0.25 in H2O
Available Static Pressure:	-0.2 in H2O	-0.2 in H2O
Friction Rate:	0.100 in/100ft	0.100 in/100ft
Actual AVF:	1150 cfm	1150 cfm

Total Effective Length (TEL): 230 ft

Supply Branch Detail Table

Name	Htg (Btuh)	Clg (Btuh)	Htg (cfm)	Clg (cfm)	Dsn FR	Vel (fpm)	Dia (in)	Rect Sz (in)	Duct Matl	Trnk
WHOLE HOUSE	4570	3661	164	164	0.100	471	8	0x 0	VIFx	st1A
WHOLE HOUSE-A	4568	3658	164	164	0.100	471	8	0x 0	VIFx	st1
WHOLE HOUSE-B	4568	3658	164	164	0.100	471	8	0x 0	VIFx	st1
WHOLE HOUSE-C	4568	3658	164	164	0.100	471	8	0x 0	VIFx	st1
WHOLE HOUSE-D	4568	3658	164	164	0.100	471	8	0x 0	VIFx	st1
WHOLE HOUSE-E	4568	3658	164	164	0.100	471	8	0x 0	VIFx	st1
WHOLE HOUSE-F	4568	3658	164	164	0.100	471	8	0x 0	VIFx	st1

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Vel (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
st1	Peak AVF	1150	1150	824	16	0 x 0	RectFbg	st1
st1A	Peak AVF	164	164	615	7	0 x 0	RectFbg	

Return Branch Detail Table

Name	Diffus Sz (in)	Htg (Btuh)	Clg (Btuh)	Htg (cfm)	Clg (cfm)	Dsn FR	Vel (fpm)	Dia (in)	Rect Sz (in)	Duct Matl	Trunk
rb1	0 x 0	31980	25606	1150	1150	0.100	651	18	0x 0	VIFx	

Bold/italic values have been manually overridden



RIGHT-J BUILDING ANALYSIS REPORT

Entire House

LARRY RESMONDO A/C

Job: LOT 15 THORNWOOD
10/19/05

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

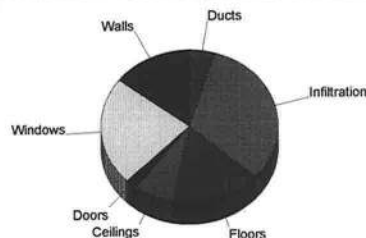
For: HIGH SPRINGS CONSTRUCTION
HIGH SPRINGS, FL 32643

Design Information

	Htg	Clg	Infiltration	Simplified
Outside db (°F)	33	92	Method	Average
Inside db (°F)	70	75	Construction quality	0
Design TD (°F)	37	17	Fireplaces	
Daily range	-	M		
Inside humidity (%)	-	50		
Moisture difference (gr/lb)	-	52		

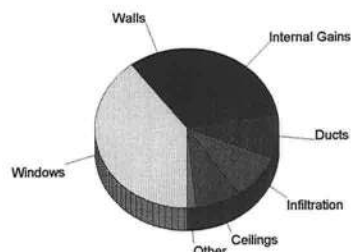
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	2.7	4658	14.6
Windows	23.5	7349	23.0
Doors	17.0	715	2.2
Ceilings	1.2	2293	7.2
Floors	30.0	5230	16.4
Infiltration	28.8	10211	31.9
Ducts		1523	4.8
Total		31979	100.0



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	1.5	2614	10.2
Windows	32.5	10172	39.7
Doors	9.5	398	1.6
Ceilings	1.1	2045	8.0
Floors	0.0	0	0.0
Infiltration	6.6	2346	9.2
Ducts		2328	9.1
Internal gains		5700	22.3
Total		25603	100.0



Cooling at 83 % SHR = 2.5 ton

Cooling at 70 % SHR = 3.0 ton

Cooling air flow = 461 cfm/ton

Cooling at 400 cfm/ton = 2.9 ton

Overall U-Value = 0.136 Btuh/ft²-°F

Data entries checked.



RIGHT-J LOAD AND EQUIPMENT SUMMARY

Entire House

LARRY RESMONDO A/C

Job: LOT 15 THORNWOOD
10/19/05

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

For: HIGH SPRINGS CONSTRUCTION
HIGH SPRINGS, FL 32643

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33 °F
Inside db	70 °F
Design TD	37 °F

Summer Design Conditions

Outside db	92 °F
Inside db	75 °F
Design TD	17 °F
Daily range	M
Relative humidity	50 %
Moisture difference	52 gr/lb

Heating Summary

Building heat loss	31979 Btuh
Ventilation air	0 cfm
Ventilation air loss	0 Btuh
Design heat load	31979 Btuh

Sensible Cooling Equipment Load Sizing

Structure	25603 Btuh
Ventilation	0 Btuh
Design temperature swing	3.0 °F
Use mfg. data	n
Rate/swing multiplier	0.97
Total sens. equip. load	24835 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	1878	1878
Volume (ft³)	18780	18780
Air changes/hour	0.8	0.4
Equiv. AVF (cfm)	251	125

Latent Cooling Equipment Load Sizing

Internal gains	690 Btuh
Ventilation	0 Btuh
Infiltration	4398 Btuh
Total latent equip. load	5088 Btuh
Total equipment load	29923 Btuh

Heating Equipment Summary

Make	RUUD AIR COND
Trade	Ruud UPMB Series
UPMB-042JA	
Efficiency	3.4 HSPF
Heating input	0 Btuh
Heating output	0 Btuh
Heating temp rise	0 °F
Actual heating fan	1150 cfm
Heating air flow factor	0.036 cfm/Btuh
Space thermostat	

Cooling Equipment Summary

Make	RUUD AIR COND
Trade	Ruud UPMB Series
UPMB-042JA	
RCHJ-48A1	
Efficiency	12.0 SEER
Sensible cooling	27300 Btuh
Latent cooling	11700 Btuh
Total cooling	39000 Btuh
Actual cooling fan	1150 cfm
Cooling air flow factor	0.045 cfm/Btuh
Load sensible heat ratio	83 %

Printout certified by ACCA to meet all requirements of Manual J 7th Ed.



RIGHT-J SHORT FORM Entire House

LARRY RESMONDO A/C

Job: LOT 15 THORNWOOD
10/19/05

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

For: HIGH SPRINGS CONSTRUCTION
HIGH SPRINGS, FL 32643

Design Information

	Htg	Clg	Infiltration	Simplified
Outside db (°F)	33	92	Method	Average
Inside db (°F)	70	75	Construction quality	0
Design TD (°F)	37	17	Fireplaces	
Daily range	-	M		
Inside humidity (%)	-	50		
Moisture difference (gr/lb)	-	52		

HEATING EQUIPMENT

Make RUUD AIR COND
Trade Ruud UPMB Series
UPMB-042JA

Efficiency 3.4 HSPF
Heating input 0 Btuh
Heating output 0 Btuh
Heating temperature rise 0 °F
Actual heating fan 1150 cfm
Heating air flow factor 0.036 cfm/Btuh

Space thermostat

COOLING EQUIPMENT

Make RUUD AIR COND
Trade Ruud UPMB Series
UPMB-042JA
RCHJ-48A1

Efficiency 12.0 SEER
Sensible cooling 27300 Btuh
Latent cooling 11700 Btuh
Total cooling 39000 Btuh
Actual cooling fan 1150 cfm
Cooling air flow factor 0.045 cfm/Btuh

Load sensible heat ratio 83 %

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
WHOLE HOUSE	1878	31979	25603	1150	1150
Entire House	d 1878	31979	25603	1150	1150
Ventilation air		0	0		
Equip. @ 0.97 RSM			24835		
Latent cooling			5088		
TOTALS	1878	31979	29923	1150	1150

Printout certified by ACCA to meet all requirements of Manual J 7th Ed.



PRODUCT APPROVAL SPECIFICATION SHEET

Location: Fort White

Project Name: Lot 15 Thornwood

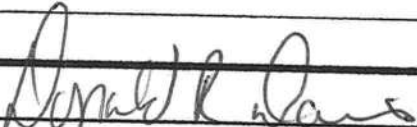
As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit on or after April 1, 2004. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging	Masonite	Side Hinged Steel door unit	FL 4904
2. Sliding			
3. Sectional	Masonite		
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung	Capitol	Aluminum Single Hung Window	FL 5438.1/1
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11. Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block	A-L-I	Glass Block PVC Frame	FL 4018.1
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles		Elk Shingles	FL 728
2. Underlayments		Gambel Felt	FL 1814
3. Roofing Fasteners			RBM 3378
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion		N/A	
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight		N/A	
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor	1/2" x 10"	1/2" x 10" Anchor Bolts	
2. Truss plates			
3. Engineered lumber		3 1/2" x 14" x 18' Lam Beam	
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof		4x8x1/2" OSB	
11. Wall		2x4x92 5/8 European Spruce	
12. Sheds			
13. Other truss Straps	Simpon	SPH4Z	
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1. Hardie Cedar Mill		Hardie Cedar mill 7/4	
2. 7/16 x 4 x 8		OSB	

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

I understand these products may have to be removed if approval cannot be demonstrated during inspection


Contractor or Contractor's Authorized Agent Signature

Donald R Davis
Print Name

12/7/05
Date

Location

Permit # (FOR STAFF USE ONLY)

Lex 7

NOTES SPECIFIC TO THIS DOCUMENT ARE AVAILABLE IN THE REGIONAL OFFICE

— OPTIONAL: CORE INSERTS

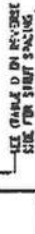
[illegible]

TABLE 5

Section	Panel Type	Max Design Loads Allowed	
		Positive (PSF)	Negative (PSF)
10' 0"	Short	23.4	31.1
10' 0"	Long	24.7	39.5
12' 0"	Short	28.9	42.9
12' 0"	Long	28.9	32.9
12' 2"	Short	28.3	40.5
12' 2"	Long	28.5	32.5
12' 4"	Short	28.2	40.0
12' 4"	Long	28.1	32.0
12' 6"	Short	27.8	39.5
12' 6"	Long	27.6	31.6
12' 8"	Short	27.4	31.2

01	21
----	----

13° 0'	Long	28.7	30.4
13° 2'	Long	28.4	30.0
13° 4'	Long	28.0	29.5
13° 6'	Long	25.7	29.2
13° 8'	Long	25.4	28.9
13° 10'	Long	25.1	28.5
14° 0'	Long	24.8	28.2
14° 2'	Long	24.5	27.9
14° 4'	Long	24.2	27.5

14.6	Le
------	----

14' 6"	Long	23.7	26.9
14' 8"	Long	23.7	26.9
14' 10"	Long	23.4	26.6
14' 12"	Long	23.1	26.3
15' 0"	Long	22.6	25.7
15' 2"	Long	22.3	25.0
15' 4"	Long	22.6	25.7
15' 6"	Long	22.4	25.5
15' 8"	Long	22.2	25.2
15' 10"	Long	21.9	24.9
15' 12"	Long	21.8	24.8
16' 0"	Long	21.6	24.3

Sties do not need to be hinged

Hex 7

A · L · I

(Validator / Operations Administrator)

**AAMA
CERTIFICATION PROGRAM****AUTHORIZATION FOR PRODUCT CERTIFICATION**

Mulla, Inc.
14820 Carmenita Rd., Unit A
Norwalk, CA 90660

Attn: Chuck Vordogna

FL4018.1

The product described below is hereby approved for listing in the next issue of the AAMA Certified Products Directory. The approval is based on successful completion of tests, and the reporting to the Administrator of the results of tests, accompanied by related drawings, by an AAMA Accredited Laboratory.

The listing below will be added to the next published AAMA Certified Products Directory.

SPECIFICATION		RECORD OF PRODUCT TESTED			LABEL ORDER NO.
AAMA/NWDA 101/LS. 2-97 F-LC80-57/57					
COMPANY AND PLANT LOCATION	CODE NO.	SERIES MODEL & PRODUCT DESCRIPTION	MAXIMUM SIZE TESTED		By Request
Mulla, Inc. Cikarang, Bekasi 17550 Indonesia	MUL-1	LW2-5757 GLASS BLOCK (PVC)(O)(OG) (CMBSO)	FRAME 4'9" x 4'9"		

This Certification will expire July 15, 2007 and requires validation until then by continued listing in the current AAMA Certified Products Directory.

Product Tested and Reported by: Architectural Testing, Inc.

Report No.: 03-32291.01

Date of Report: July 29, 2003

NOTE: PLEASE REVIEW,
AND ADVISE ALI IMMEDIATELY
IF DATA, AS SHOWN, NEEDS
CORRECTION.

Date: May 5, 2004

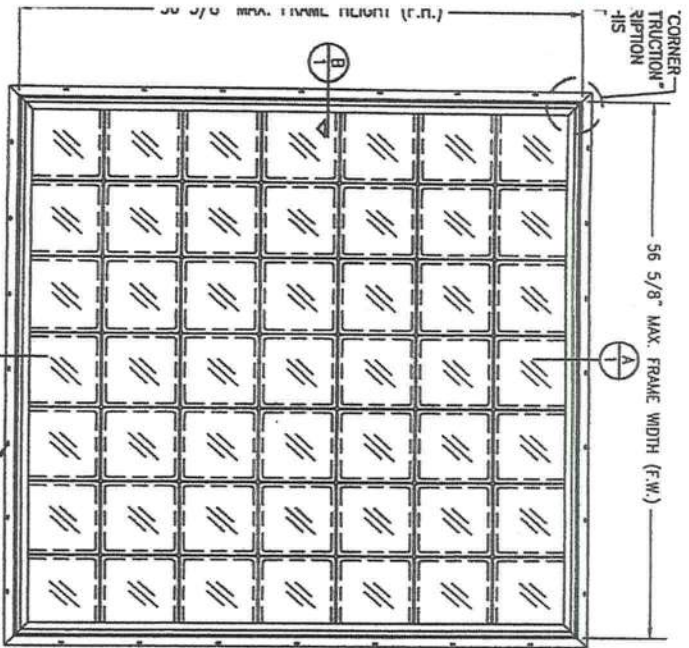
Validated for Certification:

John B. Stitt
Associated Laboratories, Inc.

Authorized for Certification:

cc: AAMA
JGS:td

American Architectural Manufacturers Association

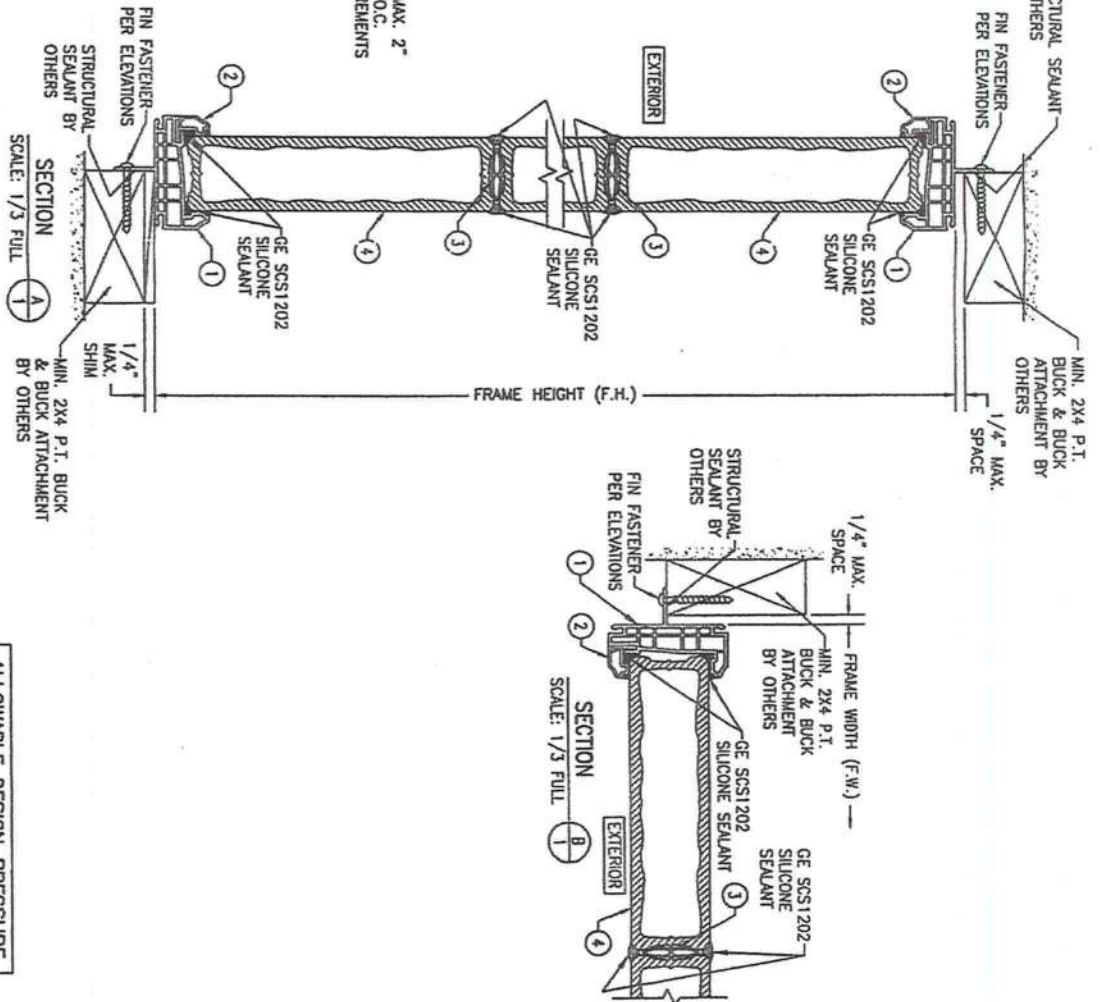


**EXTERIOR ELEVATION
GLASS BLOCK WINDOW**
SCALE: N.T.S.

FIN INSTALLATION SHOWN.
OPTIONAL DETAILS ON
T 2 FOR OTHER
DOOS OF INSTALLATION.

GENERAL NOTES

- GLASS BLOCK WINDOW SYSTEM HAS BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE ALLOWABLE DESIGN PRESSURE TABLE.
- FIN, OPENINGS, & BLOCK FASTENERS MUST BE PROPERLY INSTALLED TO TRANSFER LOADS TO THE STRUCTURE.
- FIN, OPENINGS, & BLOCK FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & MAY NOT VARY UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- GLASS BLOCK WINDOW HAS BEEN DESIGNED IN ACCORDANCE WITH & MEETS THE REQUIREMENTS OF FLORIDA BUILDING CODE (F.B.C.)
- GLASS BLOCK WINDOW HAS BEEN TESTED IN ACCORDANCE WITH ASTM A1180, 10/1/5, 2-87 VOLUNTARY SPECIFICATIONS FOR ALUMINUM, VINYL (PVC) AND WOOD WINDOWS AND GLASS DOORS. PERFORMANCE TEST REPORT IS COMPLETED INCLUDING AIR INFILTRATION PER ASTM E283, WATER RESISTANCE PER ASTM E330 & 4/04 E331, & WIND LOAD STRUCTURAL PER ASTM E56 & 4/04 E561.
- GLASS BLOCK WINDOW SYSTEM IS NON-IMPACT RATED & MUST BE SHATTERED WHERE REQUIRED BY CODE.
- THE BEST OF OUR KNOWLEDGE, THE WINDOWS SHOWN HEREIN ARE CORRECT AND/OR QUALITY ASSURED BY A PROFESSIONAL ENGINEER, ARCHITECT, OR OTHER QUALIFIED PERSON IN ACCORDANCE WITH THE STATE CODE & PER 9B-72 DEPARTMENT OF COMMUNITY AFFAIRS-FLORIDA BUILDING COMMISSION SPECIFICATIONS, BY LABELING THE PRODUCT & THE MANUFACTURER CONFIRMS THAT THE PRODUCT IS ASSIGNED IN ACCORDANCE WITH THESE SPECIFICATIONS.
- PERMISSIBLE ELEVATION, COMBINATION, INSTALLATION & COMPARATIVE ANALYSIS OF FIN, OPENINGS, & BLOCK FASTENERS, WINDOW ASSEMBLY SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S QUALITY ASSURANCE SPECIFICATIONS & TESTING REPORTS.



SECTION
SCALE: 1/3 FULL

SECTION
SCALE: 1/3 FULL

ALLOWABLE DESIGN PRESSURE
+/-80 PSF

FRAME ANCHOR REQUIREMENTS TABLE			
OPENING TYPE	FIN SCREWS	MINIMUM EMBED	MINIMUM EDGE DIST.
(SUBSTRATE)	JAMB TO OPENING FASTENER TYPE	1 3/8"	1/2"
2X... WOOD FRAME OR BUCK	NO. 8 X 1 1/2" SWS SCREWS	1 3/8"	1/2"

CORNER CONSTRUCTION
FRAME CORNERS, MITERED & FULLY WELDED

CERTIFICATION FEB 17 2004 WARREN W. SCHAEFER, P.E. P.E. NO. 44135		DRAWING TITLE "LW" VINYL FRAMED NON-IMPACT GLASS BLOCK WINDOWS		CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8855 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4002 FAX: 561-775-4803		MANUFACTURER MULIA INC. 14820 CARMENITA ROAD, SUITE A NORWALK, CA 90650 888-367-6854		NO. _____ REVISION DESCRIPTION _____ BY _____ DATE _____	DATE 10/11/04	SHEET NO. 1295 OF 2
--	--	--	--	---	--	---	--	---	------------------	---------------------------

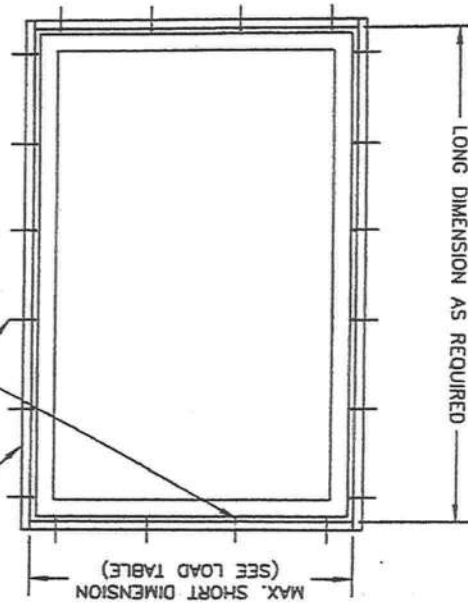
MAY 11 2004

BUCKED OPENING LOAD TABLE			
ANCHOR SPACING = 16" O.C.		ANCHOR SPACING = 12" O.C.	
SHORT DIMENSION	ALLOWABLE PRESSURE	SHORT DIMENSION	ALLOWABLE PRESSURE
48"	85 PSF	48"	100 PSF
54"	76 PSF	54"	100 PSF
60"	68 PSF	60"	91 PSF
66"	62 PSF	66"	82 PSF
72"	57 PSF	72"	76 PSF
75"	54 PSF	75"	73 PSF

ALL PRESSURES SHOWN ARE POSITIVE & NEGATIVE PRESSURES AND MAY NOT BE INTERPOLATED.

(ALSO APPLICABLE FOR SINGLE CASEMENT WINDOWS & SINGLE DOORS)

SINGLE FIXED WINDOWS



INCLUDES GLASS
BLOCK WINDOWS

5750.

20 GA. METAL

OR 11/11/11

2x-4000

С.И. НИКОЛАЕВ

SCREWS

01# 357-

MIN. 2x4 P.T. NO.
SOUTHERN PINE
BUCK (SEE NOTES)
MIN. 3/16" CONCR.
SCREW WITHIN 6"
OF CORNERS &
SPACED PER LOAD
TABLE BELOW
PLACE ANCHORS
WITHIN 3/4" OF
BUCK CENTERLINE.

1. CONCRETE SCREWS MAY BE HARDENED STEEL OR STAINLESS STEEL ITW RAMSET REDHEAD TAPCONS, ELCO TAPCONS, POWERS RAWL TAPPERS, OR HILTI KWIK-CON II.
2. BUCKING MUST BE CONTINUOUS ALONG EACH SIDE OF OPENING.
3. CONCRETE SCREWS MUST PENETRATE THE BLOCK/CONCRETE MINIMUM 1 1/4" AND HAVE MIN BLOCK/CONCR. EDGE DISTANCE OF 1 7/8" (NOT TO INCLUDE FINISHES).
4. IF BUCKING TO WOOD FRAMING, THE CONCRETE SCREWS MAY BE USED OR SUBSTITUTED WITH NO. 10 SCREWS.
5. IF BUCK IS TO BE LESS IN THICKNESS THAN 1 1/2", THE BUCK SHALL BE PREPAIRED TO THE OPENING AS REQUIRED TO POSITION, THE FRAME SCREWS (AS SPECIFIED FOR THE WINDOW PRODUCT) SHALL BE REPLACED WITH A CONCRETE SCREW OF EQUAL OR GREATER DIAMETER AND THE FRAME SCREW MUST PENETRATE THROUGH THE BUCK INTO THE BLOCK/CONCRETE MIN. 1 1/4". IF THIS SITUATION OCCURS WHEN INSTALLING TO WOOD FRAMING, THE FRAME SCREW SHALL BE OF A LENGTH TO PENETRATE THROUGH THE BUCK AND INTO THE WOOD FRAMING MIN. 1 3/8".
6. IF THE MANUFACTURER'S SPECIFICATIONS OR ENGINEER/ARCHITECT OF RECORD CALL FOR BUCKING DIFFERENT THAN SPECIFIED HERE-IN, THE MANUFACTURER'S/ENGINEER'S SPECIFICATIONS SHALL CONTROL.
7. IF SHIM SPACING BETWEEN THE BUCK & FRAME OR FRAME & OPENING IS GREATER THAN 1/4", A WOOD SPACER MAY BE USED PROVIDING THE SPACER IS A CONTINUOUS MEMBER, THE SPACER IS OF EQUAL OR GREATER DEPTH TO THE FRAME WITH FRAME FULLY BEARING ON THE SPACER AND THE FRAME SCREWS RUN THROUGH THE SPACER AND INTO THE BUCK/OPENING THE REQUIRED EMBEDMENT.
8. IF BUCK IS A 2X6, ANCHORS MUST BE SPACED AS SHOWN BUT STAGGERED SUCH THAT THE ROWS ARE MIN. 1.5" APART.
9. IF BUCK IS A 2X8, ANCHORS MUST BE SPACED AS SHOWN BUT WITH 2 ROWS SUCH THAT EACH ROW IS MIN. 2 1/2" APART.
10. IF OPENING IS WOOD FRAME, CONCRETE SCREWS MAY BE SUBSTITUTED WITH NO. 10 SMS OR WOOD SCREWS WITH SUBSTRATE FRAMING EMBED OF MIN. 1 3/8".

STANDARD BUCKING DETAILS

W. W. SCHAEFFER ENGINEERING & CONSULTING, P.A.
8895 N. MILITARY TRAIL, SUITE C-204
PALM BEACH GARDENS, FL 33410