

DATE 12/12/2006

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000025302

APPLICANT JUSTIN JENKINS PHONE 386.719.2240  
ADDRESS 694 SW MAIN BLVD LAKE CITY FL 32025  
OWNER STEVEN MACKEY PHONE 386.961.8993  
ADDRESS 102 NW EMPORIA GLEN LAKE CITY FL 32055  
CONTRACTOR MICHAEL JENKINS PHONE 386.719.2240

LOCATION OF PROPERTY 90-W TO LAKE JFFERY,TR TO OMAHA WAY,TL TO EMPORIA GLEN,TL &  
THE PROPERTY IS @ THE END OF TH CUL-DE-SAC ON R.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 97500.00  
HEATED FLOOR AREA 1950.00 TOTAL AREA 3198.00 HEIGHT 17.90 STORIES 1  
FOUNDATION CONC WALLS FRAMED ROOF PITCH 6'12 FLOOR CONC  
LAND USE & ZONING RSF-2 MAX. HEIGHT 35  
Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00  
NO. EX.D.U. 0 FLOOD ZONE XPP DEVELOPMENT PERMIT NO.

PARCEL ID 23-3S-16-02272-110 SUBDIVISION LAKEWOOD ESATES  
LOT 10 BLOCK PHASE UNIT TOTAL ACRES 5.04

000001275 CGC1507486  
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor  
18"X32'MITERED 06-1002-N BLK JH  
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE. 1 FOOT ABOVE ROAD. PREVENTATIVE TERMITE REPORT REC'D.

Check # or Cash 2184

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$ 490.00 CERTIFICATION FEE \$ 15.99 SURCHARGE FEE \$ 15.99  
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 621.98

INSPECTORS OFFICE CLERKS OFFICE

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

## Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0611-63 Date Received 11/29/06 By G Permit # 1275/25202  
Application Approved by - Zoning Official BLK Date 05.12.06 Plans Examiner AKJH Date 12-4-06  
Flood Zone X P-1 Development Permit MA Zoning RSF-2 Land Use Plan Map Category RES. Low Dev.  
Comments SITE PLANS ON PLANS

Applicants Name Justin Jenkins of Jenkins Contracting Phone 386 719 2240  
Address 694 SW main Blvd Lake City, FL 32025  
Owners Name Steven Mackey Phone 386 961-8993  
911 Address 102 NW Emporia Glen Lake City FL 32055  
Contractors Name Jenkins Contracting- Michael Jenkins Phone 386 719 2240  
Address 694 SW main Blvd Lake City, FL 32025  
Fee Simple Owner Name & Address Steven Mackey, 6300 NW Lake Jeffery Rd, Lake City, FL 32055  
Bonding Co. Name & Address n/a  
Architect/Engineer Name & Address Bill Freeman - 101 NW Madison St. Suite #1, Lake City, FL 32055  
Mortgage Lenders Name & Address n/a  
Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy  
Property ID Number 23-35-16-02272-110 Estimated Cost of Construction \$97,500.00  
Subdivision Name Lakewood Estates Lot 10 Block      Unit      Phase       
Driving Directions 90W, Right on Lake Jeffery Rd, proper Left on Omaha way, Left on Emporia Glen, property is at the end of the cul-de-sac on right.  
Type of Construction Single Family Dwelling Number of Existing Dwellings on Property 0  
Total Acreage 5.04 Lot Size 5.04 Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive  
Actual Distance of Structure from Property Lines - Front 92' Side 26' Side 49.5' Rear 7250'  
Total Building Height 9' 1 1/2" Number of Stories 1 Heated Floor Area 1950sf Roof Pitch 6/12  
TOTAL 3,198

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.

[Signature]  
Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA  
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me  
this 27th day of NOVEMBER 2006.  
Personally known ✓ or Produced Identification     

[Signature]  
Contractor Signature  
Contractors License Number CGC1507486  
Competency Card Number       
NOTARY STAMP/SEAL

[Signature]  
Notary Signature



**M. L. Church**  
Commission # DD425257  
Expires May 3, 2009  
Bonded Troy Pain - Insurance, Inc. 800-385-7019

JW called Justin 12.5.06

-C

NOTICE OF COMMENCEMENT FORM  
COLUMBIA COUNTY, FLORIDA

**\*\*\*THIS DOCUMENT MUST BE RECORDED AT THE COUNTY  
CLERKS OFFICE BEFORE YOUR FIRST INSPECTION.\*\*\***

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

Tax Parcel ID Number 23-35-16-02272-110

1. Description of property: (legal description of the property and street address or 911 address)

LOT 10 LAKEWOOD ESTATES S/D. ORB 874-2237, 953-868  
102 NW Emporia Glen Lake City, FL 32055

2. General description of Improvement: SINGLE FAMILY DWELLING

3. Owner Name & Address STEVEN MACKAY 6300 NW LAKE JEFFERY RD  
LAKE CITY, FL 32055 Interest in Property FEE SIMPLE

4. Name & Address of Fee Simple Owner (if other than owner):

5. Contractor Name JENKINS CONTRACTING, LLC Phone Number 386-719-2240  
Address 694 SW MAIN BLVD LAKE CITY, FL 32026

6. Surety Holders Name N/A

Phone Number

Address

Amount of Bond

7. Lender Name N/A

Inst:2006026494 Date:11/07/2006 Time:15:38

J. P. DC, P. DeWitt Cason, Columbia County B:1101 P:1139

Address

8. Persons within the State of Florida designated by the undersigned as provided by section 718.13 (1)(a) 7; Florida Statutes:

Name N/A

Phone Number

Address

9. In addition to himself/herself the owner designates N/A of

\_\_\_\_\_ to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -

(a) 7. Phone Number of the designee

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.

Steven E Mackay  
Signature of Owner

**RECEIVED**

NOV 07 2006  
Jenkins Contracting LLC  
Lake City

Sworn to (or affirmed) and subscribed before day of OCTOBER 19, 2006

NOTARY STAMP/SEAL



**M. L. Church**  
Commission # DD425257  
Expires May 3, 2009  
Bonded Troy Fahn - Insurance, Inc. 800-365-7019

M. L. Church

Signature of Notary

Total: \$  
Prepared By And Return To:

TITLE OFFICES, LLC  
2015 S. 1ST ST.,  
LAKE CITY, FL. 32025

File #02Y-04085BS/Administrator

Property Appraisers Parcel I.D. Number(s):  
02272-110

Inet: 2012009545 Date: 05/13/2002 Time: 12:46:57  
Doc: Stand-Deed : 350.00  
JMK DL, F. Dewitt Mason, Columbia County B: 953 P: 668

### WARRANTY DEED

THIS WARRANTY DEED made and executed the 10th day of May, 2002 by  
KENNETH R. DISHMAN, III and SHANNON L. DISHMAN, his wife, hereinafter called the Grantor, to  
STEVEN E. MACKEY and MARILOU GALE MACKEY, his wife, whose post office address is: 5194 3RD ROAD,  
LAKE WORTH, FL 33467,  
hereinafter called the Grantee:

(Wherever used herein the terms "Grantor" and "Grantee" shall include singular and plural, heirs, legal representatives, and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.)

WITNESSETH: That the Grantor, for and in consideration of the sum of TEN DOLLARS (\$10.00) and other valuable considerations, receipt whereof is hereby acknowledged, by these presents does grant, bargain, sell, alien, remise, release, convey and confirm unto the Grantee all that certain land situate, lying and being in COLUMBIA County, State of Florida, viz:

Lot 10, Lakewood Estates, a subdivision according to plat thereof recorded in Plat Book 6, page 63, public records of Columbia County, Florida.

If this box is checked, the Grantor warrants that the above described property is not his/her constitutional homestead as defined by the laws of the State of Florida. He/she resides at \_\_\_\_\_

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, and hereby 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 easements, restrictions and reservations of record, if any, and taxes accruing subsequent to December 31, 2001.

IN WITNESS WHEREOF, the said Grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered  
in the presence of:

Martina Bryan  
Witness: Martina Bryan

Kenneth R. Dishman, III  
KENNETH R. DISHMAN, III  
Address: 4979 FAWN RIDGE PLACE

Witness: Barbara F. Aldred  
Witness: Barbara F. Aldred

Shannon L. Dishman  
SHANNON L. DISHMAN  
Address: 4979 FAWN RIDGE PLACE  
SANFORD, FL 32771

Witness:

STATE OF FLORIDA  
COUNTY OF COLUMBIA

I hereby certify that on this day, before me, an officer duly authorized in the State and County aforesaid to take acknowledgments, personally appeared KENNETH R. DISHMAN, III and SHANNON L. DISHMAN, his wife, who produced the identification described below, and who acknowledged before me that they executed the foregoing instrument.  
Witness my hand and official seal in the county and state aforesaid this 10th day of May, 2002.

Martina Bryan  
Notary Public:  
Identification Examined:  
delivers license



Martina Bryan  
MY COMMISSION # CC050013 EXPIRES  
August 13, 2005

# Columbia County Property Appraiser

DB Last Updated: 10/4/2006

Parcel: 23-3S-16-02272-110

## 2006 Proposed Values



### Owner & Property Info

&lt;&lt; Prev Search Result: 6 of 6

<b>Owner's Name</b>	MACKEY STEVEN E & MARILOU GALE
<b>Site Address</b>	LAKEWOOD ESTATES
<b>Mailing Address</b>	5194 3RD RD LAKE WORTH, FL 33467
<b>Description</b>	LOT 10 LAKEWOOD ESTATES S/D. ORB 874-2237, 953-868.

<b>Use Desc. (code)</b>	VACANT (000000)
<b>Neighborhood</b>	23316.03
<b>Tax District</b>	2
<b>UD Codes</b>	MKTA06
<b>Market Area</b>	06
<b>Total Land Area</b>	0.000 ACRES

### Property & Assessment Values

<b>Mkt Land Value</b>	cnt: (1)	\$75,000.00
<b>Ag Land Value</b>	cnt: (0)	\$0.00
<b>Building Value</b>	cnt: (0)	\$0.00
<b>XFOB Value</b>	cnt: (0)	\$0.00
<b>Total Appraised Value</b>		\$75,000.00

<b>Just Value</b>	\$75,000.00
<b>Class Value</b>	\$0.00
<b>Assessed Value</b>	\$75,000.00
<b>Exempt Value</b>	\$0.00
<b>Total Taxable Value</b>	\$75,000.00

### Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
5/10/2002	953/868	WD	V	Q	99	\$50,000.00
2/12/1999	874/2237	WD	V	Q		\$38,000.00

### 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
000020	VAC/WATER (MKT)	1.000 LT - (.000AC)	1.00/1.00/1.00/1.00	\$75,000.00	\$75,000.00

Columbia County Property Appraiser

DB Last Updated: 10/4/2006



6 of 6

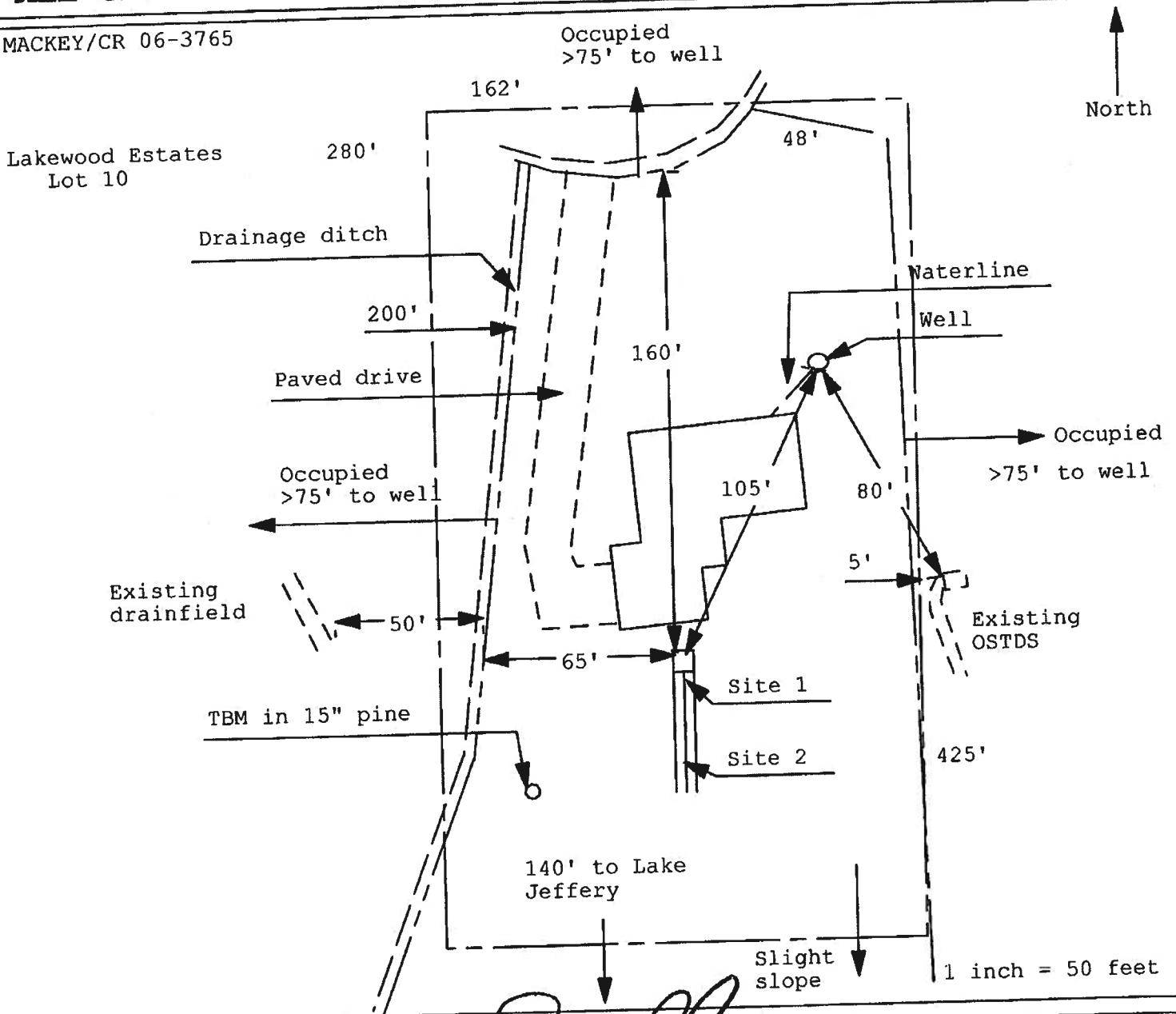


Jenkins Construction

Application for Onsite Sewage Disposal System  
Construction Permit. Part II Site Plan  
Permit Application Number: 06-1002N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

MACKEY/CR 06-3765



Site Plan Submitted By Paul Lopez Date 11/9/06  
Plan Approved ☒ Not Approved ☐ Date 11/15/06

By Ma S H Columbia CPHU

Notes: \_\_\_\_\_

RECEIVED

LYNCH WELL DRILLING, INC.

NOV 27 2006

173 SW Tustenuggee Ave  
Lake City, FL 32025  
Phone 386-752-6677  
Fax 386-752-1477

Jenkins Contracting LLC  
Lake City

Lake Wood Est. Lot 10

Building Permit # \_\_\_\_\_ Owner's Name Francis Mackey

Well Depth \_\_\_\_\_ Ft. Casing Depth \_\_\_\_\_ Ft. Water Level \_\_\_\_\_ Ft.

Casing Size 4 inch Steel Pump Installation: Deep Well Submersible

Pump Make Aermotor Pump Model S20-100 HP 1

System Pressure (PSI) \_\_\_\_\_ On 30 Off 50 Average Pressure 40

Pumping System GPM at average pressure and pumping level 20 (GPM)

Tank Installation: Bladder/Galvanized Make Challenger  
Model PC244 Size 81

Tank Draw-down per cycle at system pressure 25.1 gallons

I HEREBY VERIFY THAT THIS WATER WELL SYSTEM HAS BEEN  
INSTALLED AS PER THE ABOVE INFORMATION.

Linda Newcomb  
Signature

Linda Newcomb  
Print Name

2609  
License Number

11-28-06  
Date

# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs  
Residential Whole Building Performance Method A

Project Name: **Mackey Residence**  
Address: \_\_\_\_\_  
City, State: \_\_\_\_\_  
Owner: **Mackey**  
Climate Zone: **North**

Builder: **Jenkins Contracting**  
Permitting Office: **COLUMBIA**  
Permit Number: **25302**  
Jurisdiction Number: **221000**

- |  |                                |                     |  |                   |       |
|--|--------------------------------|---------------------|--|-------------------|-------|
| 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: 13.00       | _____ |
| 4. Number of Bedrooms                        | 2                              | _____               | b. N/A                                 |                   | _____ |
| 5. Is this a worst case?                     | Yes                            | _____               | c. N/A                                 |                   | _____ |
| 6. Conditioned floor area (ft <sup>2</sup> ) | 1950 ft <sup>2</sup>           | _____               |  |                   | _____ |
| 7. Glass area & type                         | Single Pane                    | Double Pane         | _____                                  |                   | _____ |
| a. Clear glass, default U-factor             | 174.0 ft <sup>2</sup>          | 0.0 ft <sup>2</sup> | 13. Heating systems                    |                   |       |
| b. Default tint                              | 0.0 ft <sup>2</sup>            | 0.0 ft <sup>2</sup> | a. Electric Heat Pump                  | Cap: 42.0 kBtu/hr | _____ |
| c. Labeled U or SHGC                         | 0.0 ft <sup>2</sup>            | 0.0 ft <sup>2</sup> |  | HSPF: 8.00        | _____ |
| 8. Floor types                               |                                |                     | b. N/A                                 |                   | _____ |
| a. Slab-On-Grade Edge Insulation             | R=0.0, 197.8(p) ft             | _____               | c. N/A                                 |                   | _____ |
| b. N/A                                       |                                | _____               |  |                   | _____ |
| c. N/A                                       |                                | _____               | 14. Hot water systems                  |                   |       |
| 9. Wall types                                |                                |                     | a. Electric Resistance                 | Cap: 50.0 gallons | _____ |
| a. Concrete, Int Insul, Exterior             | R=5.0, 1582.4 ft <sup>2</sup>  | _____               |  | EF: 0.90          | _____ |
| b. N/A                                       |                                | _____               | b. N/A                                 |                   | _____ |
| c. N/A                                       |                                | _____               |  |                   | _____ |
| d. N/A                                       |                                | _____               | c. Conservation credits                |                   | _____ |
| e. N/A                                       |                                | _____               | (HR-Heat recovery, Solar               |                   |       |
| 10. Ceiling types                            |                                |                     | DHP-Dedicated heat pump)               |                   |       |
| a. Under Attic                               | R=30.0, 2145.0 ft <sup>2</sup> | _____               | 15. HVAC credits                       | MZ-C, PT, CF,     | _____ |
| b. N/A                                       |                                | _____               | (CF-Ceiling fan, CV-Cross ventilation, |                   |       |
| c. N/A                                       |                                | _____               | HF-Whole house fan,                    |                   |       |
| 11. Ducts                                    |                                |                     | PT-Programmable Thermostat,            |                   |       |
| a. Sup: Unc. Ret: Unc. AH: Interior          | Sup. R=6.0, 67.0 ft            | _____               | MZ-C-Multizone cooling,                |                   |       |
| b. N/A                                       |                                | _____               | MZ-H-Multizone heating)                |                   |       |

Glass/Floor Area: 0.09

Total as-built points: 21588

Total base points: 26227

## PASS

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

PREPARED BY: *J. H. H. H.*

DATE: 10/4/06

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

OWNER/AGENT: \_\_\_\_\_

DATE: \_\_\_\_\_

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



BUILDING OFFICIAL: \_\_\_\_\_

DATE: \_\_\_\_\_



**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	1950.0	20.04	7034.0	Single, Clear	W	1.5 4.0	6.0	43.84	0.82	215.0	
				Single, Clear	W	1.5 4.0	9.0	43.84	0.82	322.6	
				Single, Clear	W	1.5 6.0	60.0	43.84	0.91	2402.4	
				Single, Clear	N	1.5 4.0	9.0	21.73	0.88	172.4	
				Single, Clear	N	1.5 6.0	15.0	21.73	0.94	305.9	
				Single, Clear	E	1.5 6.0	60.0	47.92	0.91	2624.3	
				Single, Clear	S	1.5 6.0	15.0	40.81	0.86	524.1	
				As-Built Total:		174.0		6566.7			
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X	SPM	=	Points	
Adjacent	0.0	0.00	0.0	Concrete, Int Insul, Exterior	13.0		1582.4	0.35	553.8		
Exterior	1582.4	1.70	2690.1								
Base Total: 1582.4 2690.1				As-Built Total:		1582.4		553.8			
DOOR TYPES Area X BSPM = Points				Type			Area X	SPM	=	Points	
Adjacent	0.0	0.00	0.0	Exterior Wood			20.4	6.10	124.4		
Exterior	39.4	6.10	240.6	Exterior Wood			19.0	6.10	116.1		
Base Total: 39.4 240.6				As-Built Total:		39.4		240.6			
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X	SPM X	SCM =	Points	
Under Attic	1950.0	1.73	3373.5	Under Attic	30.0		2145.0	1.73 X 1.00	3710.9		
Base Total: 1950.0 3373.5				As-Built Total:		2145.0		3710.9			
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X	SPM	=	Points	
Slab	197.8(p)	-37.0	-7318.6	Slab-On-Grade Edge Insulation	0.0		197.8(p)	-41.20	-8149.4		
Raised	0.0	0.00	0.0								
Base Total: -7318.6				As-Built Total:		197.8		-8149.4			
INFILTRATION Area X BSPM = Points						Area X	SPM	=	Points		
	1950.0	10.21	19909.5			1950.0	10.21	19909.5			

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

ADDRESS: , , ,

PERMIT #:

BASE					AS-BUILT										
Summer Base Points: 25929.1					Summer As-Built Points: 22832.1										
Total Summer Points	X	System Multiplier	=	Cooling Points	Total Component	X	Cap Ratio	X	Duct Multiplier (DM x DSM x AHU)	X	System Multiplier	X	Credit Multiplier	=	Cooling Points
25929.1		0.4266		11061.4	22832.1		1.000		(1.090 x 1.147 x 0.91)		0.263		0.857		5847.1
25929.1		0.4266		11061.4	22832.1		1.00		1.138		0.263		0.857		5847.1

# WINTER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
<b>GLASS TYPES</b>											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	1950.0	12.74	4471.7	Single, Clear	W	1.5	4.0	6.0	28.84	1.05	182.2
				Single, Clear	W	1.5	4.0	9.0	28.84	1.05	273.3
				Single, Clear	W	1.5	6.0	60.0	28.84	1.02	1771.0
				Single, Clear	N	1.5	4.0	9.0	33.22	1.01	300.7
				Single, Clear	N	1.5	6.0	15.0	33.22	1.00	499.5
				Single, Clear	E	1.5	6.0	60.0	26.41	1.04	1640.8
				Single, Clear	S	1.5	6.0	15.0	20.24	1.12	339.3
				<b>As-Built Total:</b>				<b>174.0</b>	<b>5006.8</b>		
<b>WALL TYPES</b> Area X BWPM = Points				Type	R-Value		Area X WPM		= Points		
Adjacent	0.0	0.00	0.0	Concrete, Int Insul, Exterior	13.0		1582.4	2.72	4312.0		
Exterior	1582.4	3.70	5854.9								
<b>Base Total:</b>				<b>As-Built Total:</b>		<b>1582.4</b>		<b>4312.0</b>			
<b>DOOR TYPES</b> Area X BWPM = Points				Type	R-Value		Area X WPM		= Points		
Adjacent	0.0	0.00	0.0	Exterior Wood			20.4	12.30	250.9		
Exterior	39.4	12.30	485.1	Exterior Wood			19.0	12.30	234.2		
<b>Base Total:</b>				<b>As-Built Total:</b>		<b>39.4</b>		<b>485.1</b>			
<b>CEILING TYPES</b> Area X BWPM = Points				Type	R-Value		Area X WPM X WCM		= Points		
Under Attic	1950.0	2.05	3997.5	Under Attic	30.0		2145.0	2.05 X 1.00	4397.3		
<b>Base Total:</b>				<b>As-Built Total:</b>		<b>2145.0</b>		<b>4397.3</b>			
<b>FLOOR TYPES</b> Area X BWPM = Points				Type	R-Value		Area X WPM		= Points		
Slab	197.8(p)	8.9	1760.4	Slab-On-Grade Edge Insulation	0.0		197.8(p)	18.80	3718.6		
Raised	0.0	0.00	0.0								
<b>Base Total:</b>				<b>As-Built Total:</b>		<b>197.8</b>		<b>3718.6</b>			
<b>INFILTRATION</b> Area X BWPM = Points						Area X WPM		= Points			
1950.0 -0.59 -1150.5						1950.0 -0.59		-1150.5			

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

ADDRESS: , , ,

PERMIT #:

<b>BASE</b>				<b>AS-BUILT</b>							
<b>Winter Base Points:</b>		<b>15419.2</b>		<b>Winter As-Built Points:</b>				<b>16769.3</b>			
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	
<b>15419.2</b>		<b>0.6274</b>	<b>9674.0</b>	16769.3 <b>16769.3</b>		1.000 <b>1.00</b>	(1.069 x 1.169 x 0.93) <b>1.162</b>	0.426 <b>0.426</b>	0.950 <b>0.950</b>	7891.9 <b>7891.9</b>	

**WATER HEATING & CODE COMPLIANCE STATUS**

## Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE					AS-BUILT					
<b>WATER HEATING</b>					Tank	EF	Number of	X	Tank	X
Number of	X	Multiplier	=	Total	Volume		Bedrooms		Ratio	Multiplier
Bedrooms										
2		2746.00		5492.0	50.0	0.90	2		1.00	2684.98
					As-Built Total:					5370.0

CODE COMPLIANCE STATUS									
BASE					AS-BUILT				
Cooling	+	Heating	+	Hot Water	=	Total	Cooling	+	Heating
Points		Points		Points		Points	Points		Points
11061		9674		5492		26227	5847		7892
									5370
									19109

**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\* = 88.3**

**The higher the score, the more efficient the home.**

Mackey, , , ,

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: 13.00
4. Number of Bedrooms	2	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft <sup>2</sup> )	1950 ft <sup>2</sup>		
7. Glass area & type	Single Pane Double Pane	13. Heating systems	
a. Clear - single pane	174.0 ft <sup>2</sup> 0.0 ft <sup>2</sup>	a. Electric Heat Pump	Cap: 42.0 kBtu/hr
b. Clear - double pane	0.0 ft <sup>2</sup> 0.0 ft <sup>2</sup>		HSPF: 8.00
c. Tint/other SHGC - single pane	0.0 ft <sup>2</sup> 0.0 ft <sup>2</sup>	b. N/A	
d. Tint/other SHGC - double pane		c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 197.8(p) ft	a. Electric Resistance	Cap: 50.0 gallons
b. N/A			EF: 0.90
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Concrete, Int Insul, Exterior	R=13.0, 1582.4 ft <sup>2</sup>	(HR-Heat recovery, Solar	
b. N/A		DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	MZ-C, PT, CF,
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 2145.0 ft <sup>2</sup>	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 67.0 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<sup>TM</sup> 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](http://www.fsec.ucf.edu) for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/468-1824.*

EnergyGauge Co. Version: FLRCPB v3.30)

# Residential System Sizing Calculation

## Summary

Mackey

Project Title:  
Mackey Residence

Code Only  
Professional Version  
Climate: North

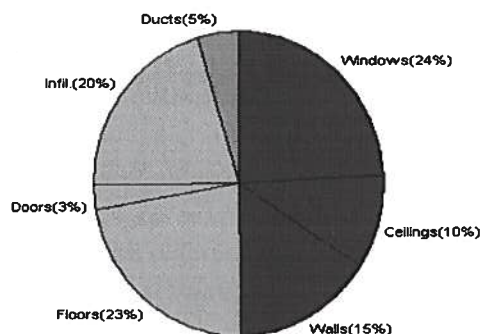
10/4/2006

Location for weather data: Gainesville - User customized: Latitude(29) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(51gr.)			
Winter design temperature	31 F	Summer design temperature	98 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	39 F	Summer temperature difference	23 F
<b>Total heating load calculation</b>	<b>27640 Btuh</b>	<b>Total cooling load calculation</b>	<b>25988 Btuh</b>
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	152.0 42000	Sensible (SHR = 0.5)	99.5 21000
Heat Pump + Auxiliary(0.0kW)	152.0 42000	Latent	431.0 21000
		Total (Electric Heat Pump)	161.6 42000

## WINTER CALCULATIONS

Winter Heating Load (for 1950 sqft)

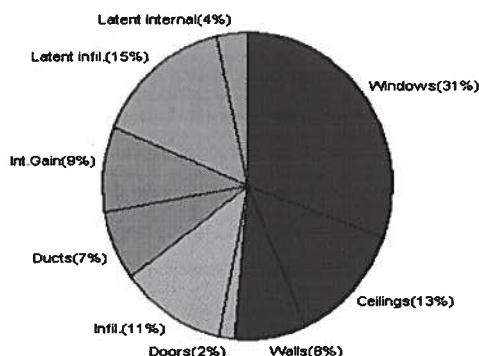
Load component		Load	
Window total	174 sqft	6716	Btuh
Wall total	1582 sqft	4272	Btuh
Door total	39 sqft	708	Btuh
Ceiling total	2145 sqft	2789	Btuh
Floor total	198 ft	6250	Btuh
Infiltration	130 cfm	5588	Btuh
<b>Subtotal</b>		<b>26324</b>	<b>Btuh</b>
Duct loss		1316	Btuh
<b>TOTAL HEAT LOSS</b>		<b>27640</b>	<b>Btuh</b>



## SUMMER CALCULATIONS

Summer Cooling Load (for 1950 sqft)

Load component		Load	
Window total	174 sqft	7961	Btuh
Wall total	1582 sqft	2120	Btuh
Door total	39 sqft	484	Btuh
Ceiling total	2145 sqft	3346	Btuh
Floor total		0	Btuh
Infiltration	114 cfm	2884	Btuh
Internal gain		2400	Btuh
<b>Subtotal(sensible)</b>		<b>19196</b>	<b>Btuh</b>
Duct gain		1920	Btuh
<b>Total sensible gain</b>		<b>21116</b>	<b>Btuh</b>
Latent gain(infiltration)		3953	Btuh
Latent gain(internal)		920	Btuh
<b>Total latent gain</b>		<b>4873</b>	<b>Btuh</b>
<b>TOTAL HEAT GAIN</b>		<b>25988</b>	<b>Btuh</b>



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: [Signature]

DATE: 10/4/06

# System Sizing Calculations - Winter

## Residential Load - Component Details

Mackey

Project Title:  
Mackey Residence

Code Only  
Professional Version  
Climate: North

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

10/4/2006

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	1, Clear, Wood, DEF	N	6.0	38.6	232 Btuh
2	1, Clear, Wood, DEF	N	9.0	38.6	347 Btuh
3	1, Clear, Wood, DEF	N	60.0	38.6	2316 Btuh
4	1, Clear, Wood, DEF	E	9.0	38.6	347 Btuh
5	1, Clear, Wood, DEF	E	15.0	38.6	579 Btuh
6	1, Clear, Wood, DEF	S	60.0	38.6	2316 Btuh
7	1, Clear, Wood, DEF	W	15.0	38.6	579 Btuh
Window Total			174		6716 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Concrete - Exterior	13.0	1582	2.7	4272 Btuh
Wall Total			1582		4272 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exter		20	17.9	366 Btuh
2	Wood - Exter		19	17.9	342 Btuh
Door Total			39		708Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	2145	1.3	2788 Btuh
Ceiling Total			2145		2789Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	197.8 ft(p)	31.6	6250 Btuh
Floor Total			198		6250 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	19500(sqft)	130	5588 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				130	5588 Btuh

<b>Totals for Heating</b>	<b>Subtotal</b>	<b>26324 Btuh</b>
	<b>Duct Loss(using duct multiplier of 0.05)</b>	<b>1316 Btuh</b>
	<b>Total Btuh Loss</b>	<b>27640 Btuh</b>

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

(Frame types - metal, wood or insulated metal)

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

(HTM - ManualJ Heat Transfer Multiplier)

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

# System Sizing Calculations - Summer

## Residential Load - Component Details

Mackey

Project Title:  
Mackey Residence

Code Only  
Professional Version  
Climate: North

Reference City: Gainesville (User customized) Summer Temperature Difference: 23.0 F 10/4/2006

Window	Type	Panes/SHGC/U/InSh/ExSh Ornt	Overhang		Window Area(sqft)			HTM		Load	
			Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	1, Clear, DEF, N, N	N	1.5	4	6.0	0.0	6.0	33	33	198	Btuh
2	1, Clear, DEF, N, N	N	1.5	4	9.0	0.0	9.0	33	33	297	Btuh
3	1, Clear, DEF, N, N	N	1.5	6	60.0	0.0	60.0	33	33	1980	Btuh
4	1, Clear, DEF, N, N	E	1.5	4	9.0	0.7	8.3	33	91	776	Btuh
5	1, Clear, DEF, N, N	E	1.5	6	15.0	0.0	15.0	33	91	1365	Btuh
6	1, Clear, DEF, N, N	S	1.5	6	60.0	60.0	0.0	33	50	1980	Btuh
7	1, Clear, DEF, N, N	W	1.5	6	15.0	0.0	15.0	33	91	1365	Btuh
	Window Total				174					7961	Btuh
Walls 1	Type		R-Value		Area			HTM		Load	
	Concrete - Exterior		13.0		1582.4			1.3		2120 Btuh	
	Wall Total				1582.4					2120 Btuh	
Doors 1 2	Type		R-Value		Area			HTM		Load	
	Wood - Exter				20.4			12.3		251 Btuh	
	Wood - Exter				19.0			12.3		234 Btuh	
	Door Total				39.4					484 Btuh	
Ceilings 1	Type/Color		R-Value		Area			HTM		Load	
	Under Attic/Dark		30.0		2145.0			1.6		3346 Btuh	
	Ceiling Total				2145.0					3346 Btuh	
Floors 1	Type		R-Value		Size			HTM		Load	
	Slab-On-Grade Edge Insulation		0.0		197.8 ft(p)			0.0		0 Btuh	
	Floor Total				197.8					0 Btuh	
Infiltration	Type		ACH		Volume			CFM=		Load	
	Natural		0.35		19500			114.0		2884 Btuh	
	Mechanical							0		0 Btuh	
	Infiltration Total							114		2884 Btuh	

Internal gain	Occupants	Btuh/occupant		Appliance	Load	
	4	X 300 +	1200		2400 Btuh	

Totals for Cooling	Subtotal	19196 Btuh
	Duct gain(using duct multiplier of 0.10)	1920 Btuh
	Total sensible gain	21116 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	3953 Btuh
	Latent occupant gain (4 people @ 230 Btuh per person)	920 Btuh
	Latent other gain	0 Btuh
	TOTAL GAIN	25988 Btuh

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

# Columbia County Building Department Culvert Permit

**Culvert Permit No.**  
**000001275**

DATE 12/12/2006 PARCEL ID # 23-3S-16-02272-110  
APPLICANT JUSTIN JENKINS PHONE 386.719.2240  
ADDRESS 694 SW MAIN BLVD LAKE CITY FL 32025  
OWNER STEVEN MACKEY PHONE 386.961.8993  
ADDRESS 102 NW EMPORIA GLEN LAKE CITY FL 32055  
CONTRACTOR MICHAEL JENKINS PHONE 386.719.2240  
LOCATION OF PROPERTY 90-W TO LAKE JFFERY,TR TO OMAHA WAY,TL TO EMPORIA GLEN,TL &  
THE PROPERTY IS @ THE END OF TH CUL-DE-SAC ON R.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT LAKEWOOD ESATES 10

SIGNATURE 

## INSTALLATION REQUIREMENTS

☒

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

INSTALLATION NOTE: Turnouts will be required as follows:

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

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

☐

Culvert installation shall conform to the approved site plan standards.

☐

Department of Transportation Permit installation approved standards.

☐

Other \_\_\_\_\_

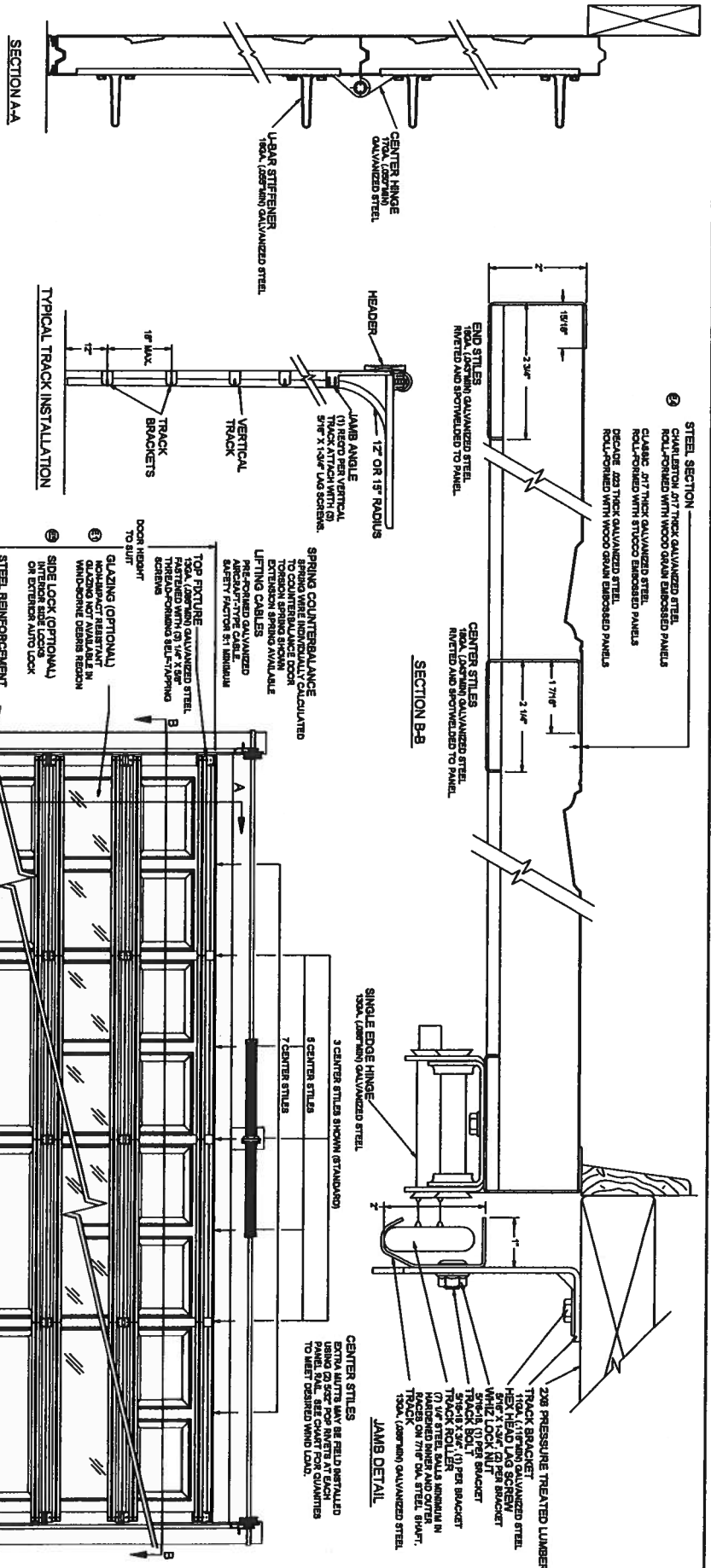
**ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED  
DURING THE INSTALATION OF THE CULVERT.**

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

**Amount Paid** 25.00



Garage Door



**ALL DOORS TESTED PER ASTM E-330**

**CHARLESTON CLASSIC**

QTY OF CENTER STILES	NO GLASS	COLONIAL GLASS	RANCH GLASS
3 (STD)	14.7	14.7	14.7
5	21.3	21.3	21.3
7	27.9	27.9	27.9

**DECADÉ**

QTY OF CENTER STILES	NO GLASS	COLONIAL GLASS	RANCH GLASS
3 (STD)	16.0	16.0	16.0
5	23.3	23.3	23.3
7	30.6	30.6	30.6

QTY OF CENTER STILES	NO GLASS	COLONIAL GLASS	RANCH GLASS
3 (STD)	16.0	16.0	16.0
5	23.3	23.3	23.3
7	30.6	30.6	30.6

**INTERIOR ELEVATION**

14" MAX DOOR WIDTH





BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION

Inswing

MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908

## **NOTICE OF ACCEPTANCE (NOA)**

**Therma-Tru Corporation**  
1687 Woodlands Drive  
Maumee, Ohio 43537

### **SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

### **DESCRIPTION: "Classic Craft" Opaque Fiberglass Door 8'0 Inswing**

**APPROVAL DOCUMENT:** Drawing No. S-2179, titled "Classic Craft Opaque" Single & Double Inswing 8'0 Fiberglass Door", sheets 1 through 7, prepared by RW Building Consultants, Inc., dated 3/18/02, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

### **MISSILE IMPACT RATING: None**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

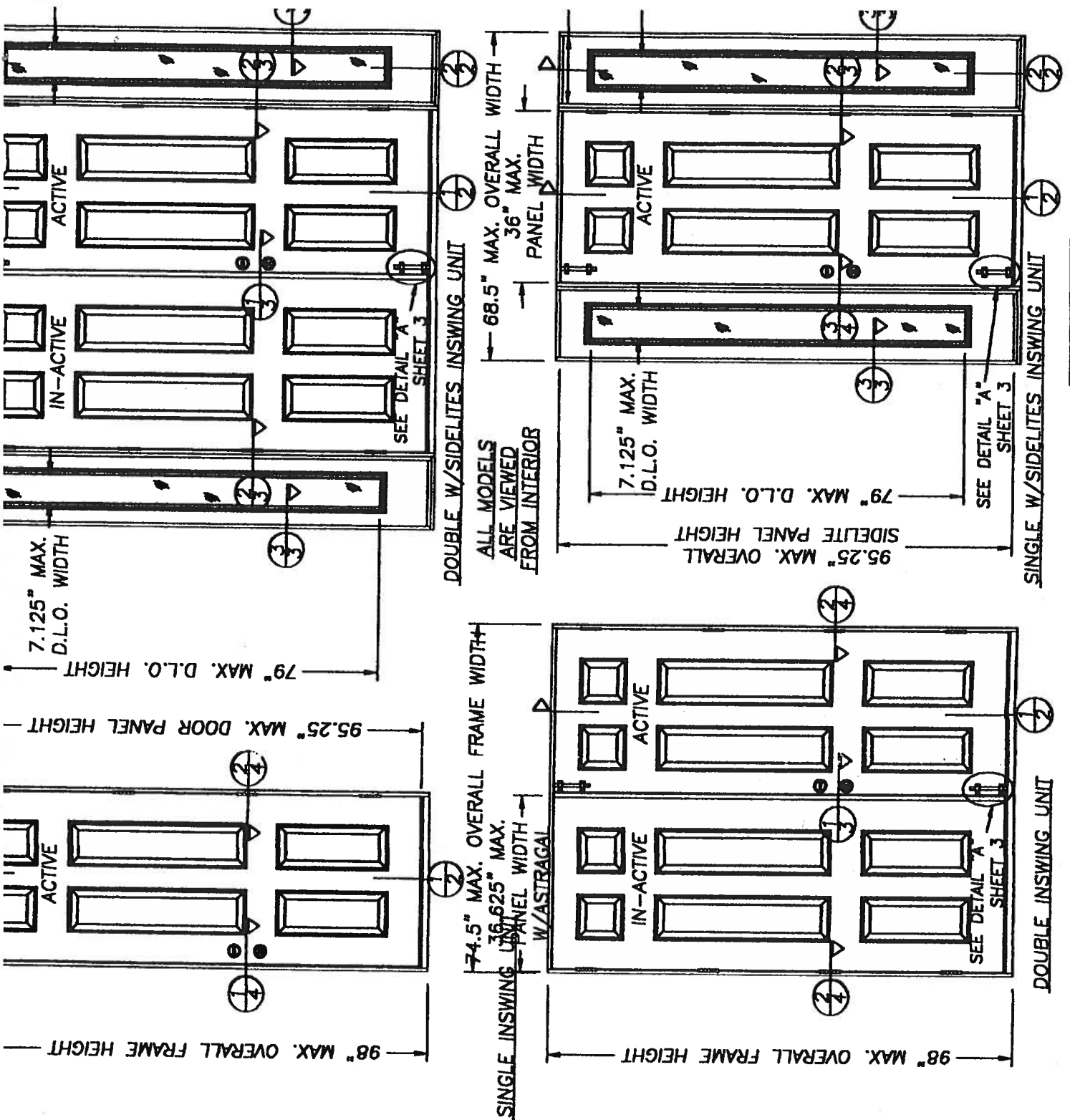
**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

The submitted documentation was reviewed by **Raul Rodriguez**



NOA No 02-0109.06  
Expiration Date: June 20, 2007  
Approval Date: June 20, 2002  
Page 1



LET THE SOUTH FLORIDA  
MIAMI-DADE COUNTY.  
IE ANCHORED PROPERLY  
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LISTED AND SPACED AS  
EDMENT TO BASE MATERIAL  
OR STUCCO.  
TABLE PAGE 1.  
E WATER REQUIREMENTS

ISTANT SHUTTERS ARE REQUIRED.  
V BE USED IN A

T LOCATIONS PROTECTED BY  
THE ANGLE BETWEEN THE EDGE  
IS LESS THAN 45 DEGREES.  
-HABITABLE AREAS WHERE THE  
D TO ACCEPT WATER INFILTRATION.

RGLOSS DOOR  
(conditions)

um thickness, with yield strength

11.9 lbs. density by BASF.  
structured from a sheet molding  
thk. is filled with 1.9 lbs. density  
sheets are glued to the wood stiles  
LV or SL. The latch stile which is  
. The top and bottom rail are of a  
oor application the inactive door  
agal of 6060-T6 alloy.  
ced from finger jointed pine. The  
3) #8 x 2 1/2" long screw at each  
i a sidelite application using  
vs. per each mullion. The units uses  
75 x 1.548".

indwich glazed using a two piece lip  
id on the exterior with an 1/8  
d with Dow 795 silicone compound  
ne to the sidelite panel & to the  
with a #8 x 1 1/2" long Plascrow

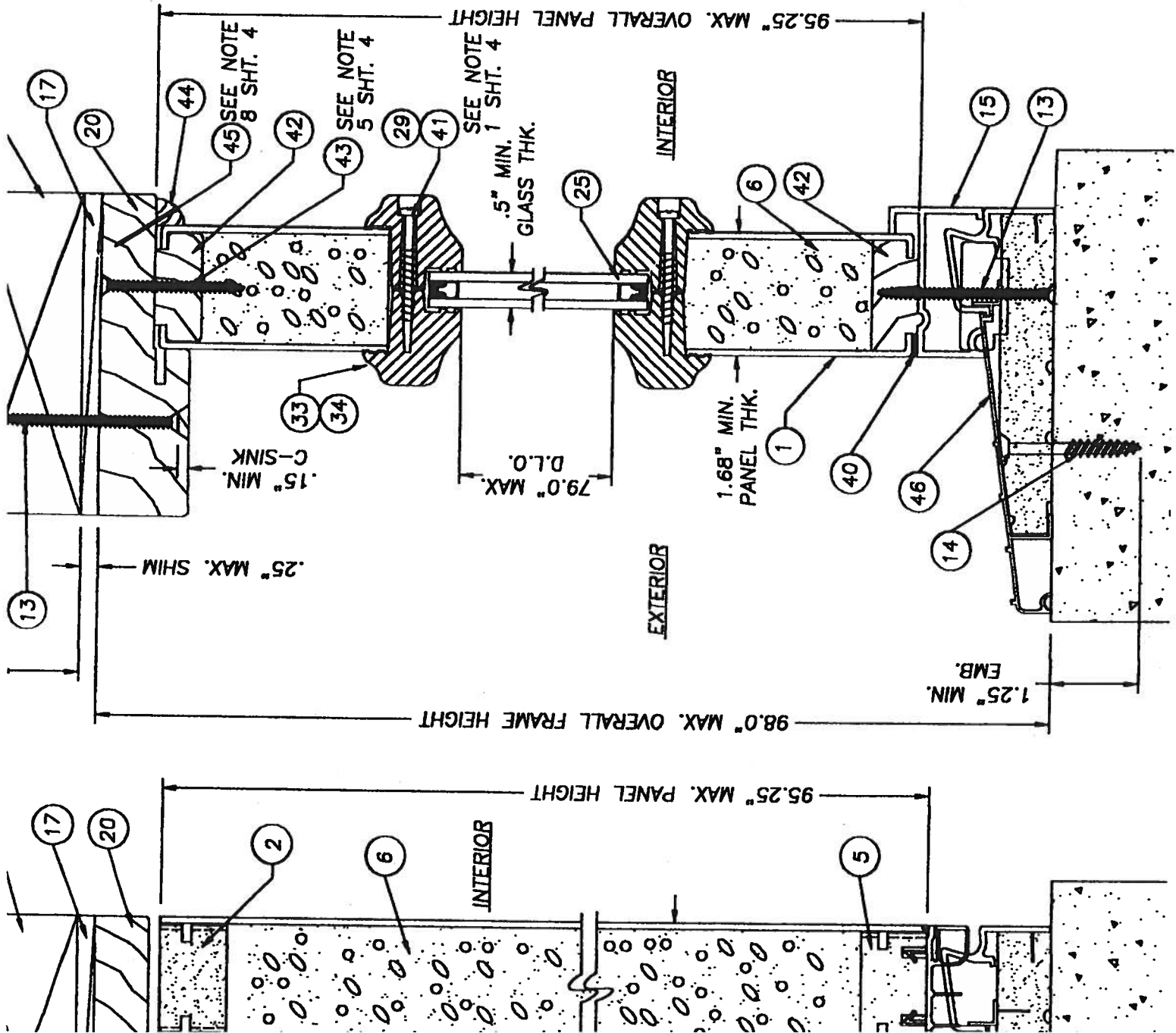
CONTENTS

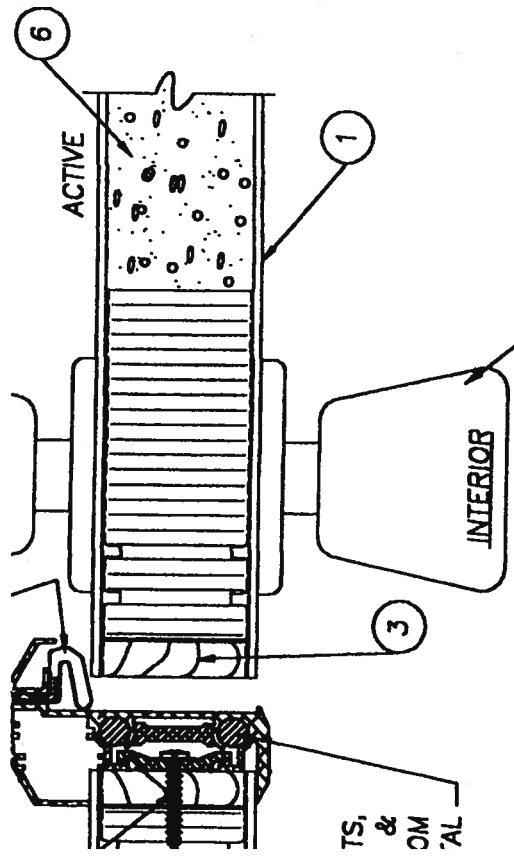
RIPTION

GENERAL NOTES

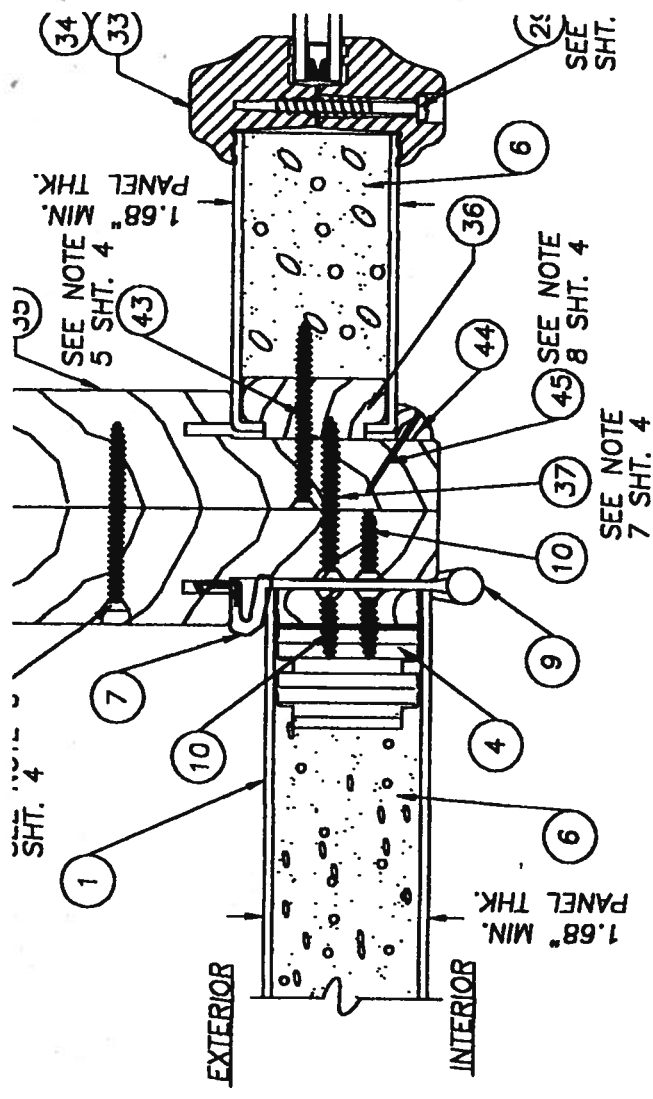
NOTES: REFERENCE DRAWING AND OTHER MATERIAL IS FOR INFORMATION PURPOSES ONLY AND IS NOT TO BE USED FOR CONSTRUCTION.

3	LATCH STILE/LOCK BLOCK (THERMA-TRU, LVL OR LSL & OAK 1.50" x 4
4	HINGE STILE (THERMA-TRU, LVL OR LSL & OAK 1.50" x 1.50")
5	BOTTOM RAIL (1.50" x .94" THERMA-TRU WOOD COMPOSITE)
6	POLYURETHANE FOAM (BASF, 1.9lbs. DENSIT
7	SHORT REACH COMPRESSION WEATHERSTRIP (THERMA-
8	LONG REACH COMPRESSION WEATHERSTRIP (THERMA-TI
9	4" x 4" HINGE .097" THK. (THERMA-TRU)
10	#10 x 3/4" LG. PFH WOOD SCREW (Hinge to Frame)
11	#10 x 1" LG. PFH WOOD SCREW
12	#10 x 2" LG. PFH WOOD SCREW
13	#8 x 2 1/2" LG. PFH WOOD SCREW
14	3/16" TAPCON ANCHOR (ELCO)
15	SIDELITE BOTTOM BOOT .090" EXTRUDED VIN
16	2x INNER WOOD BUCK
17	MAX. 1/4" SHIM MATERIAL
18	KWIKSET TITAN 700 SERIES PASSAGE LOCK
19	NOT USED
20	HEADER 4.656" x 1.211" (THERMA-TRU, PONDEROSA F
21	4.563" x 1.25" STRIKE JAMB (THERMA-TRU, PONDEROSA I
22	4.563" x 1.25" HINGE JAMB (THERMA-TRU, PONDEROSA P
23	KWIKSET TITAN 700 SERIES DEADBOLT
24	ASTRAGAL WINDJAMBER II WR80T (.052" WAL
25	GLAZING, 1/2" INSULATED TEMPERED GLASS
26	NOT USED
27	#8 x 1" LG. PANHEAD SHEET METAL SCREW
28	NOT USED
29	#6-18 x 1 3/4" PHILLIPS FLATHEAD SCREW (FOR ITEM #
30	NOT USED
31	NOT USED
32	1/8 THK. CELLULAR GLAZING TAPE (STIK-II TAPE
33	PLASTIC LIP LITE FRAME (PVC, THERMA-TRU)
34	PLASTIC LIP LITE FRAME (SMC, THERMA-TRU)
35	4.656" x 1.211" BLANK JAMB (THERMA-TRU, PONDEROSA I
36	SIDELITE SIDE STILE (THERMA-TRU, 1.531" x .656" PONDEROSA I
37	#10 x 1 3/4" LG. PFH WOOD SCREW
38	SS. LATCH STILE (THERMA-TRU, WOOD COMPOSITE 1.531" x 4.0
39	NOT USED
40	SILICONE CAULK (DOW 795)
41	#8-10 x 1 1/2" PLASCREW (FOR ITEM #34
42	SIDELITE TOP & BOTTOM RAIL (THERMA-TRU, 1.531" x .656" PONDEROSA I
43	#8 x 2" LG. PFH WOOD SCREW
44	3/8" x 3/8" QUARTER ROUND FINGER JOINED F
45	1" L. x .040" DIA. BRAD TRIM NAIL
46	SELF ADJUSTING INSWING SADDLE THRESHOLD
47	INSWING DOOR BOTTOM SWEEP
48	IVES SURFACE BOLT #454 .25 STEEL
49	1/4-20 SEX BOLT W/ 1/4-20 FEMALE ENL

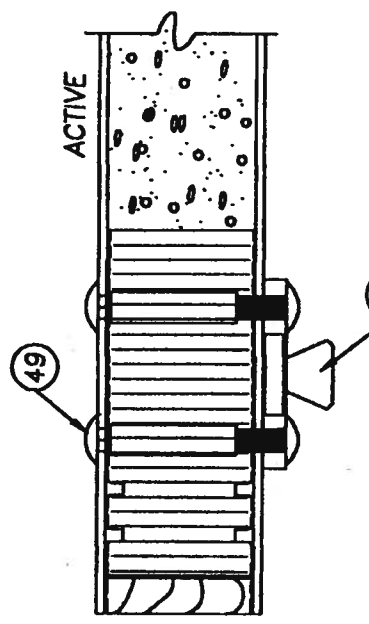
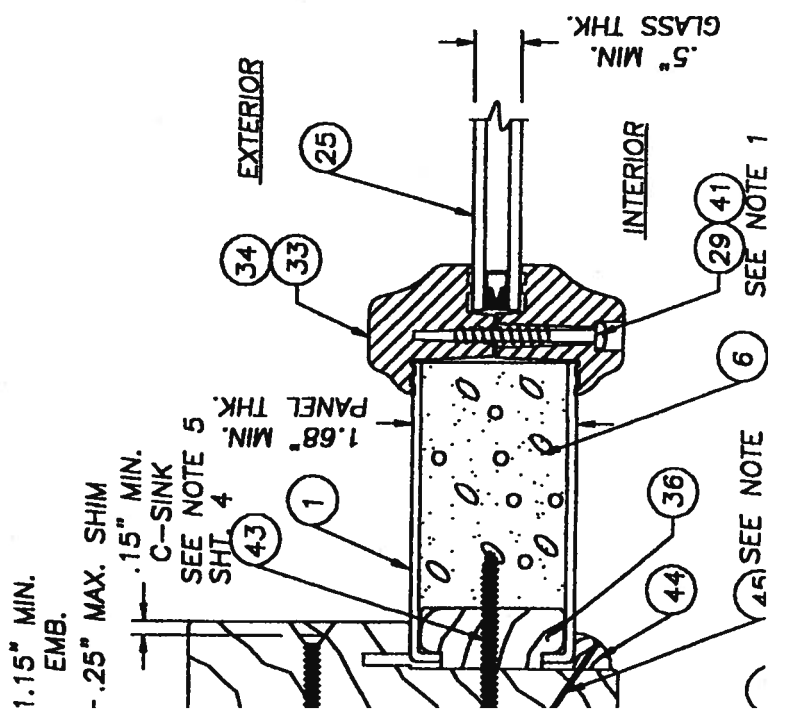




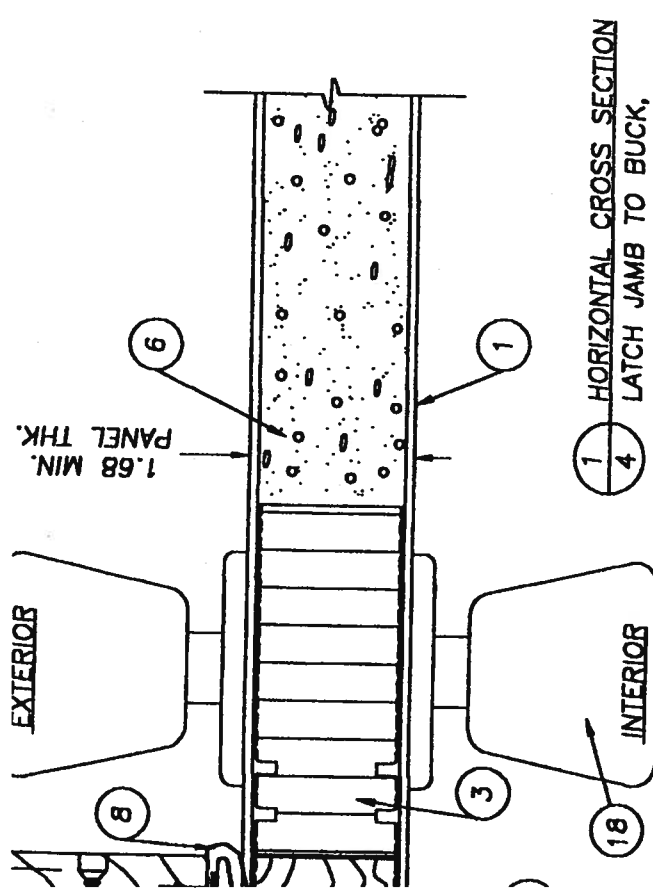
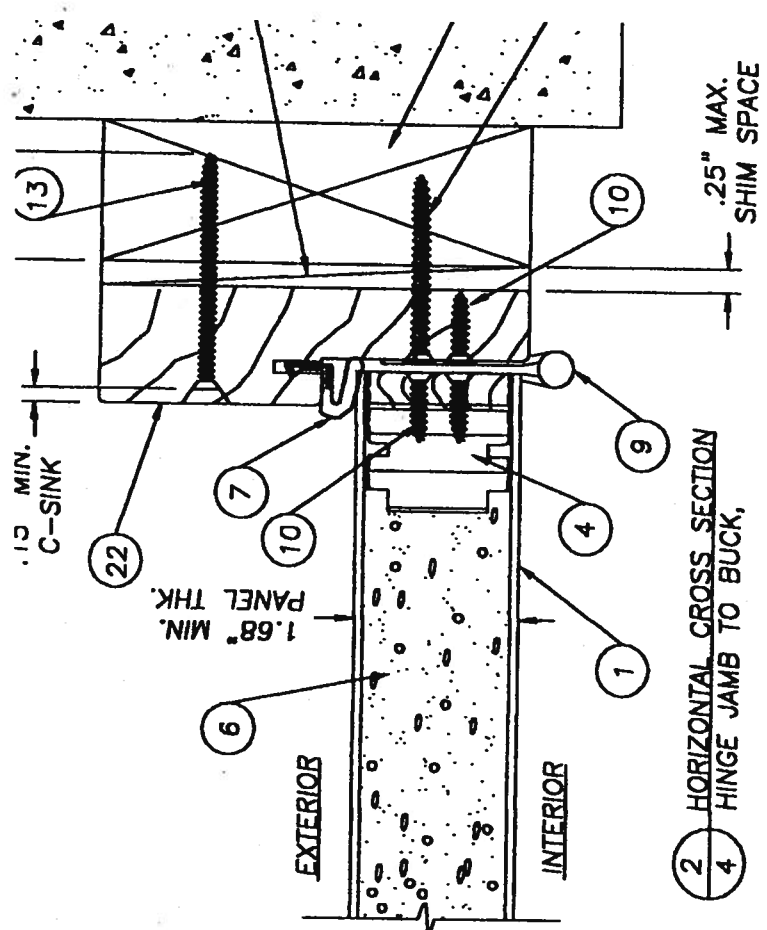
1 HORIZONTAL CROSS SECTION  
3 ASTRAGAL  
(SEE DESIGN PRESSURE CHART)



2 HORIZONTAL CROSS SECTION  
3 HINGE JAMB TO SIDELITE



DETAIL "A"  
OPTIONAL SURFACE BOLTS IN ACTIVE PANEL  
(SEE DESIGN PRESSURE CHART)



1) IS AS FOLLOWS: FROM WITH (7) MORE SPACED REWS BOTH TOP AND CORNER.

2) INACTIVE DOOR IS AS 3", 5", 18.25", 54"

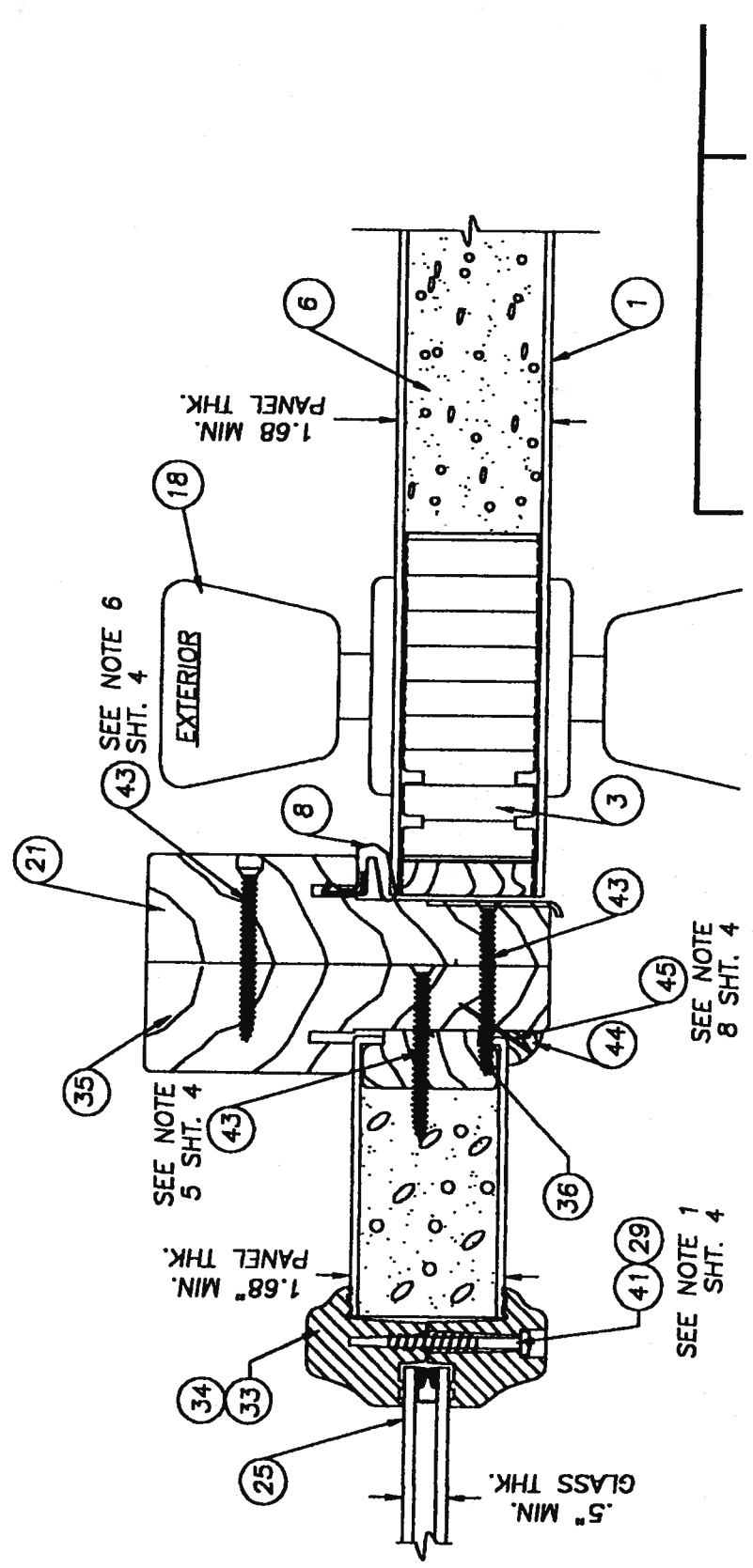
3) SIDE JAMBS WITH

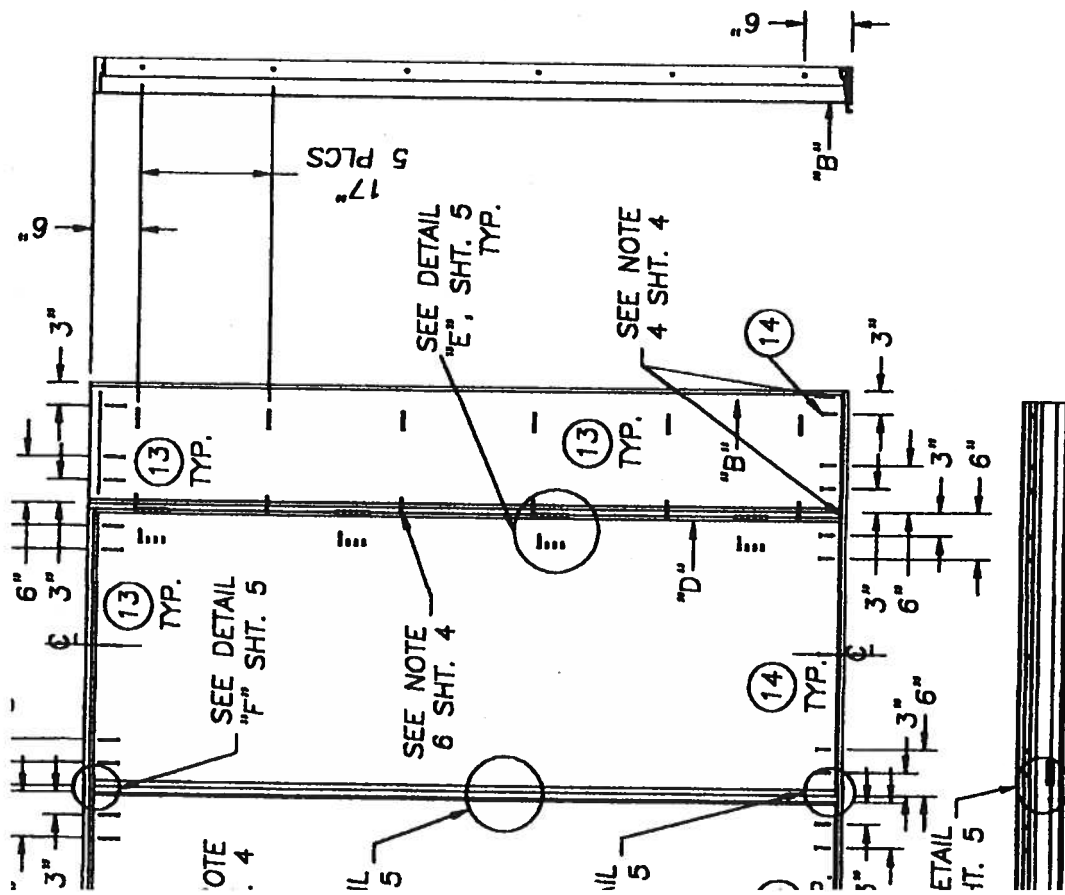
4) SIDE JAMBS WITH

5) JAMB WITH (12) ARE (4) AT DOWN AT 13.5", THE HEADER AT 4" THE FRAME. THERE ARE TSIDE CORNERS.

6) IRING THE MULLIONS RIMETER ANCHORING AND UP FROM THE 16.9" O.C.

7) JAMB AND THE BUCK CHING THE HINGE TO





A technical diagram of a bolt thrower assembly. The diagram shows a side view of the mechanism. A label 'SURFACE BOLT STRIKE PLATE' with a leader line points to a rectangular plate mounted on the side of the bolt thrower. Another label 'BOLT THROWER' with a leader line points to the main body of the device. A circular detail '1A' is shown on the right side of the bolt thrower, indicating a specific component or view.

A technical drawing of a rectangular surface bolt strike plate. It features a central rectangular opening with a horizontal slot. Two screws are shown on the left side, and two on the right side. A callout line points from the number '13' in a circle to the rightmost screw on the right side.

NOTE:  
USE ITEM #13 A #8 x 2 1/2" PFH W/ ATTACH THE STRIKE AND DEADBOLT PL JAMB OR ASTRAGAL EXCEPT IN THE MC APPLICATION WITH THE SIDELITE USE IT 2" PFH WOOD SCREW.





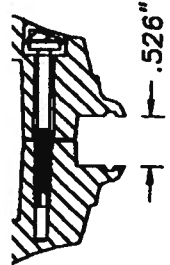


④ HINGE SIDE STILE

LOCK

✓ OAK CAP

CORE MATERIAL: LVL OR LSL  
ALTERNATE CORE MATERIAL: PONDEROSA,  
RADIATA, PULAI, ELLIOTTII, TAEDA OR SUGAR  
PINE, DOUGLAS OR WHITE FIR, CEDAR, INCENSE  
CEDAR OR REDWOOD.



34 PLASTIC LIP LITE FRAME  
EXTRUDED SMC

COMPRESSION WEATHERSTRIP  
BY THERMA-TRU

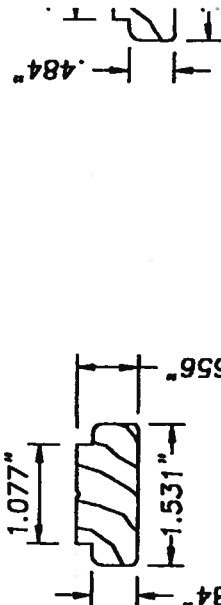
**FOAM CELL CORE W/VINYL JACKET**

**FOAM CELL CORE**



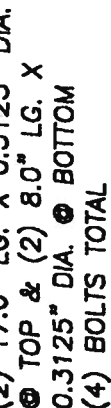
2 TOP RAIL  
WOOD COMPOSITE

5 BQ1  
WOOD

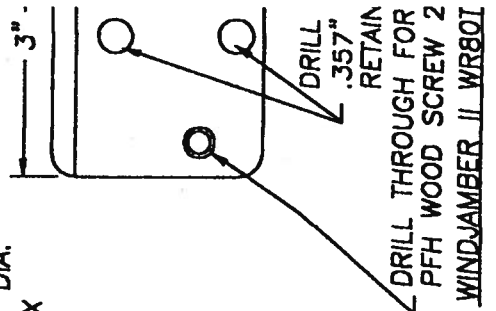


33 PLASTIC LIP LITE FRAME  
EXTRUDED PVC

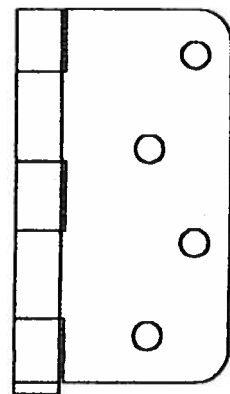
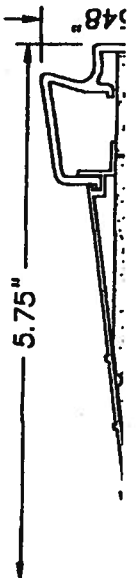
36



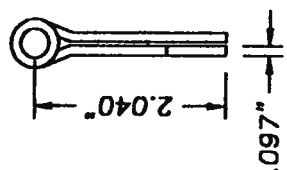
ASTRAGAL RETAINER BOLTS,  
(2) 17.0" LG. X 0.3125" DIA.  
⊕ TOP & (2) 8.0" LG. X  
0.3125" DIA. ⊕ BOTTOM  
(4) BOLTS TOTAL



24 WINDJAMBER II WRBQI  
ASTRAGAL (ALUMINUM .052" WALL THK.)



⑨ 4 x 4 STEEL DOOR HINGE



(15) INSWING SIDELITE  
BOTTOM BOOT  
0.09" EXTRUDED VINYL WALL

15 IN SWING SIDELITE  
BOTTOM BOOT

REP  
V. WALL

23

75

ה'תש"ח



BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION

000000  
Outswing

MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908

## **NOTICE OF ACCEPTANCE (NOA)**

**Therma-Tru Corporation**  
1687 Woodlands Drive  
Maumee, Ohio 43537

### **SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION:** "Classic Craft" 8'0 Outswing Opaque Fiberglass Door w & w/o Sidelites

**APPROVAL DOCUMENT:** Drawing No. S-2162, titled "Classic Craft Opaque" Single & Double Outswing 8'0 Fiberglass Door, sheets 1 through 7, prepared by RW Building Consultants, Inc., dated 11/10/01, with revision #2 dated 5/27/02, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING:** None

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 as well as approval document mentioned above

The submitted documentation was reviewed by **Manuel Perez, P.E.**



NOA No 02-0109.05  
Expiration Date: September 19, 2007  
Approval Date: September 19, 2002  
Page 1

# NOTES

TO MEET THE FLORIDA

SHOULD BE ANCHORED PROPERLY TO STRUCTURE.

AS LISTED AND SPACED AS EMBEDMENT TO BASE MATERIAL USING OR STUCCO.

SEE TABLE SHEET 1.

FOR REQUIREMENTS FOR "S" WITH USE OF HIGH DAM

IN AREAS REQUIRING WIND ORIDA BUILDING CODE SHUTTERS ARE REQUIRED.

AND CAN BE USED IN A "ATION."

## FIBERGLASS DOOR

(in conditions)  
25" minimum thickness,  
10 psi  
core,

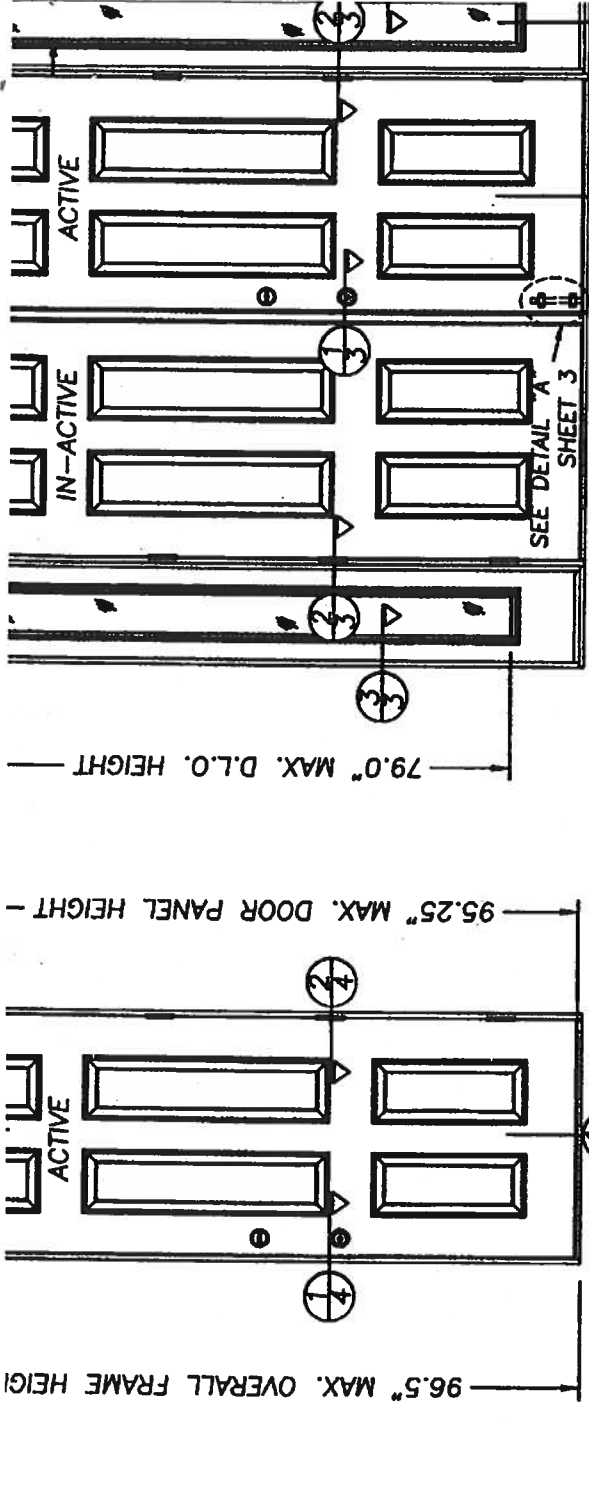
is constructed from a und (SMC). The interior cavity SF polyurethane foam. The the wood stiles and rails. VL or LSL. The latch stile latch reinforcement. The top composite material. In the ive door is fitted with an 6060-16 alloy. The uted from finger jointed pine. The (3) #8 x 2 1/2" long Phillips flathead ured together in a sidelite application ) screws per each mullion. The units r a Low Profile or High Water Dam type. andwich glazed using a two piece r exterior with an 1/8" thk. cellular Silicon Compound. The lite frames are Plascrow or a #6-18 1 3/4" long

## CONTENTS

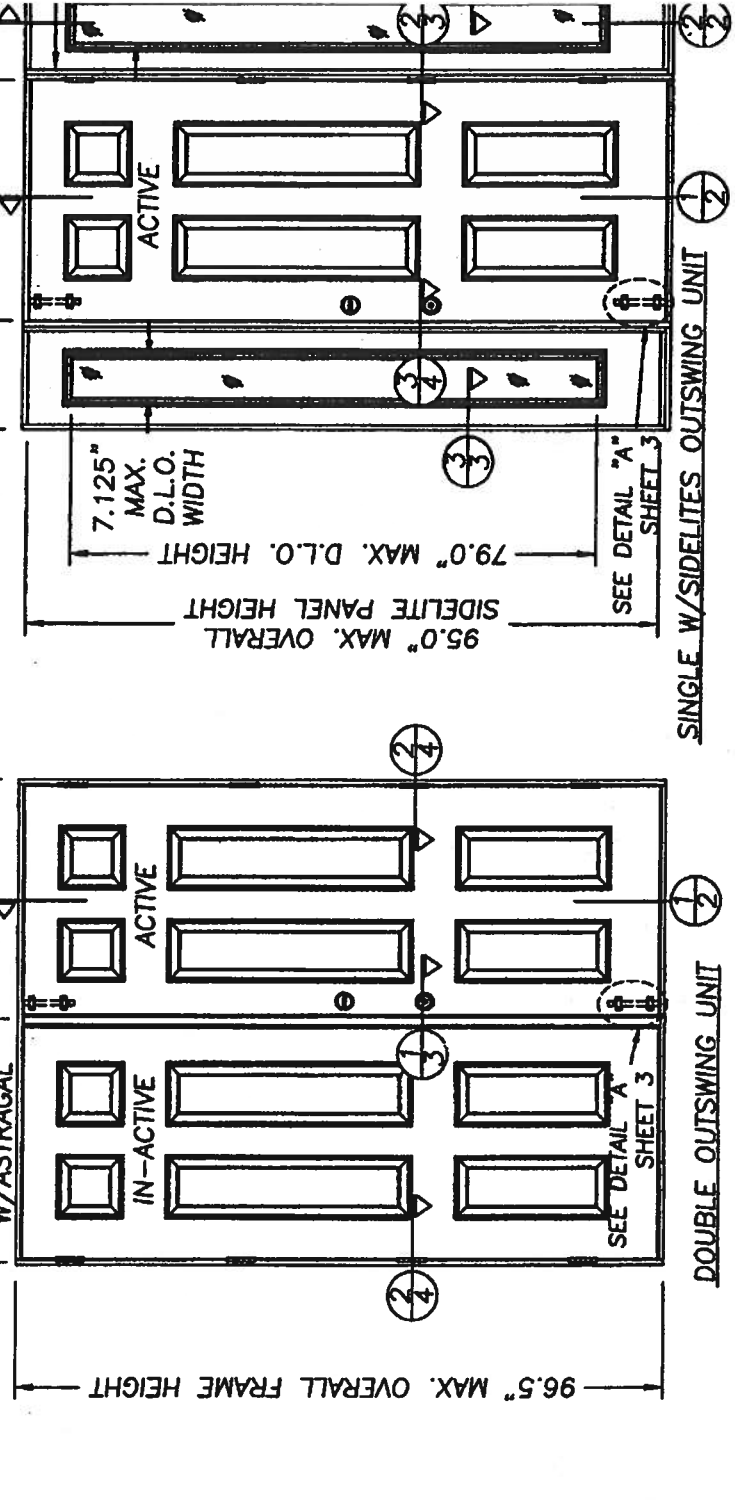
## SCRIPTION

## & GENERAL NOTES

TABLE 2. DIM. OF MATERIALS



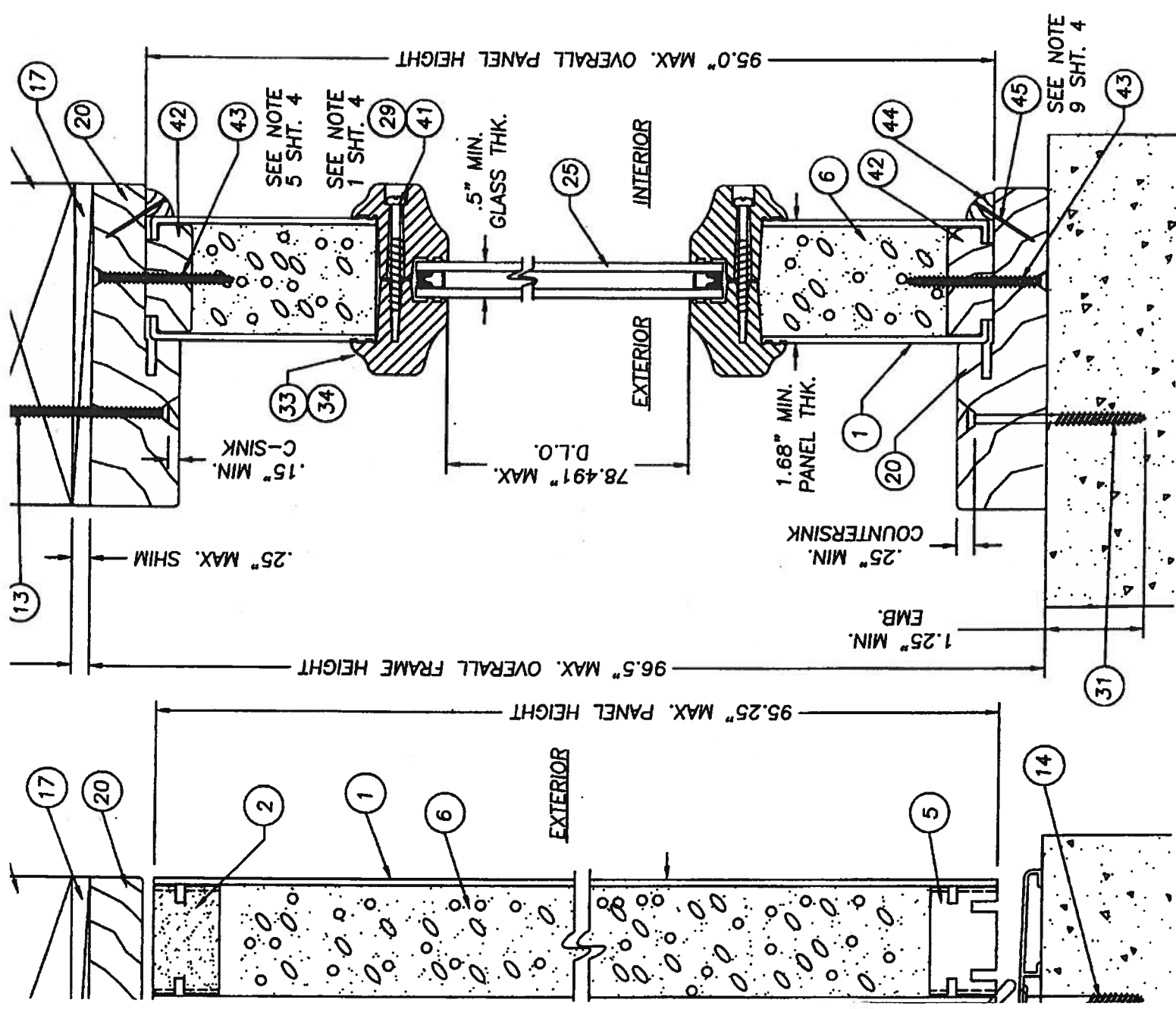
SINGLE OUTSWING UNIT  
96.5" MAX. OVERALL FRAME HEIGHT  
95.25" MAX. DOOR PANEL HEIGHT -  
79.0" MAX. D.L.O. HEIGHT  
74.5" MAX. OVERALL FRAME WIDTH  
36.625" MAX. PANEL WIDTH  
W/ASTRAGAL  
DOUBLE W/SIDELITES OUTSWING UNIT  
68.5" MAX. OVERALL WIDTH  
36" MAX. PANEL WIDTH  
ALL MODELS ARE VIEWED FROM INTERIOR

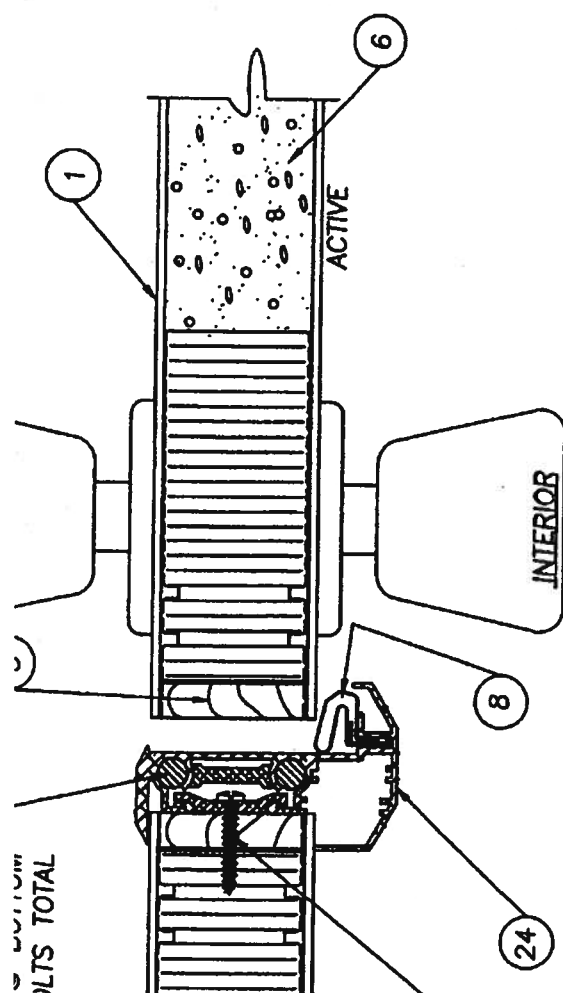


DOUBLE OUTSWING UNIT  
96.5" MAX. OVERALL FRAME HEIGHT  
95.0" MAX. OVERALL SIDELITE PANEL HEIGHT  
79.0" MAX. D.L.O. HEIGHT  
7.125" MAX. D.L.O. WIDTH  
SINGLE W/SIDELITES OUTSWING UNIT  
68.5" MAX. OVERALL WIDTH  
36" MAX. PANEL WIDTH  
ALL MODELS ARE VIEWED FROM INTERIOR

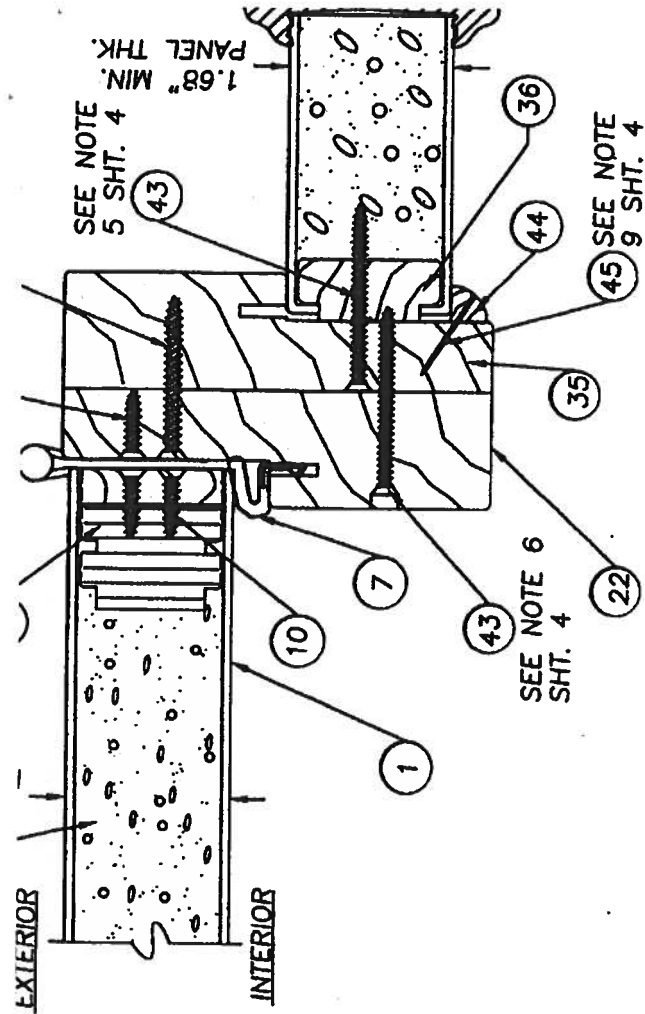
DESIGN PRESSURE RATING  
WHERE WATER INFILTRATION IS REQUIRED

4	HINGE STILE (THERMA-TRU, LVL OR LSL & OAK 1.50" x
5	BOTTOM RAIL (1.50" x .94" THERMA-TRU WOOD COMPOSITE)
6	POLYURETHANE FOAM (BASF, 1.9lbs. DENSITY)
7	SHORT REACH COMPRESSION WEATHERSTRIP (THERMA-TRU)
8	LONG REACH COMPRESSION WEATHERSTRIP (THERMA-TRU)
9	4" x 4" HINGE .097" THK. (THERMA-TRU)
10	#10 x 3/4" LG. PFH WOOD SCREW (Hinge to Frame)
11	NOT USED
12	#10 x 2" LG. PFH WOOD SCREW
13	#8 x 2 1/2" LG. PFH WOOD SCREW
14	3/16" TAPCON ANCHOR (ELCO)
15	NOT USED
16	2x INNER WOOD BUCK
17	MAX. 1/4" SHIM MATERIAL
18	KWIKSET TITAN 700 SERIES PASSAGE LOCK
19	ONE PIECE BUMP FACE THRESHOLD (THERMA-TRU)
20	(NOT FOR USE IN "HIGH VELOCITY HURRICANE ZONES"
21	HEADER 4.656" x 1.211" (THERMA-TRU, PINE)
22	4.563" x 1.25" STRIKE JAMB (THERMA-TRU, PINE)
23	4.563" x 1.25" HINGE JAMB (THERMA-TRU, PINE)
24	KWIKSET TITAN 700 SERIES DEADBOLT
25	ASTRAGAL WINDJAMBER II WR80T (.052" WALL)
26	GLAZING, 1/2" INSULATED TEMPERED GLASS
27	NOT USED
28	#8 x 1" LG. PANHEAD SHEET METAL SCREW
29	NOT USED
30	#6-18 x 1 3/4" PHILLIPS FLATHEAD SCREW (FOR ITEM
31	3/16" TAPCON ANCHOR (ELCO, 2.5" MIN. LG.)
32	1/8 THK. CELLULAR GLAZING TAPE (STIK-II TAPE)
33	PLASTIC LIP LITE FRAME (PVC, THERMA-TRU)
34	PLASTIC LIP LITE FRAME (SMC THERMA-TRU)
35	4.656" x 1.211" BLANK JAMB (THERMA-TRU, PINE)
36	SIDELITE SIDE STILE (THERMA-TRU, 1.531" x .656" PINE)
37	#10 x 1 3/4" LG. PFH WOOD SCREW
38	SS. LATCH STILE (THERMA-TRU, WOOD COMPOSITE 1.531" x 4
39	HIGH WATER DAM THRESHOLD
40	(USE IS REQUIRED IN "HIGH VELOCITY HURRICANE ZONES
41	SILICONE CAULK (DOW 795)
42	#8-10 x 1 1/2" PLASCREW (FOR ITEM #34)
43	SIDELITE TOP & BOTTOM RAIL (THERMA-TRU, 1.531" x .656"
44	#8 x 2" LG. PFH WOOD SCREW
45	3/8" x 3/8" QUARTER ROUND FINGER JOINTED PINE
46	1" L x .040" DIA. BRAD TRIM NAIL
47	MES SURFACE BOLT #454 8.0" L x .25" THK. STEEL
48	1/4-20 SEX BOLT W/1/4-20 FEMALE END x 1 3/4" L

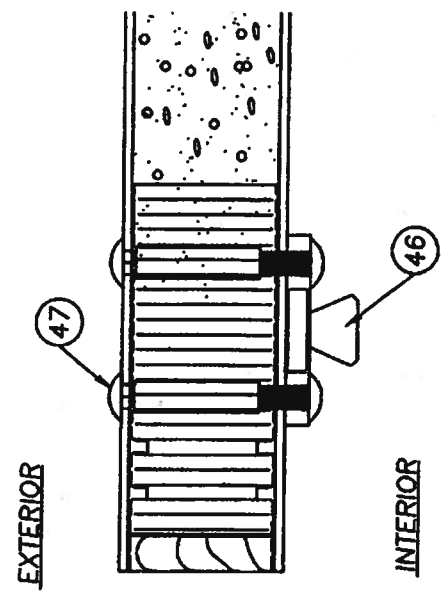
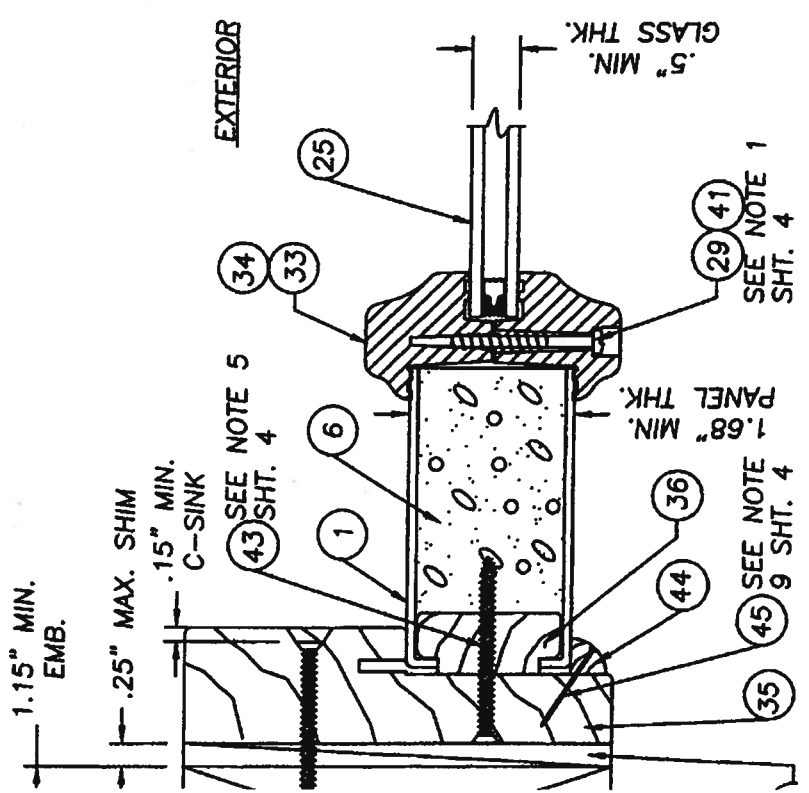




1 HORIZONTAL CROSS SECTION  
3 ASTRAGAL  
(SEE DESIGN PRESSURE RATE CHART)

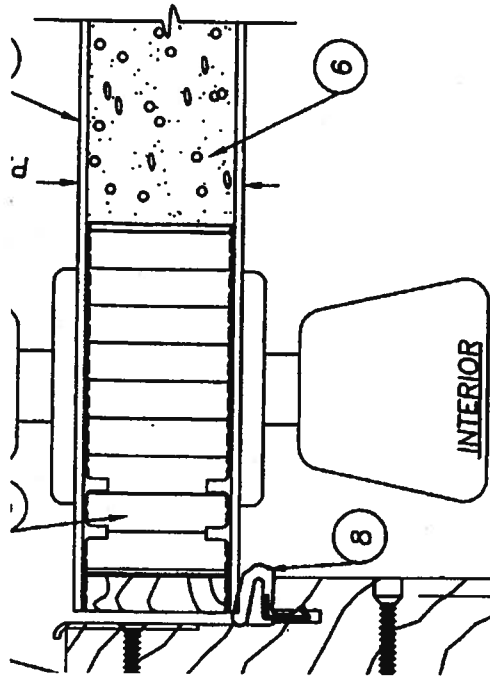


2 HORIZONTAL CROSS SECTION  
3 HINGE JAMB TO SILL



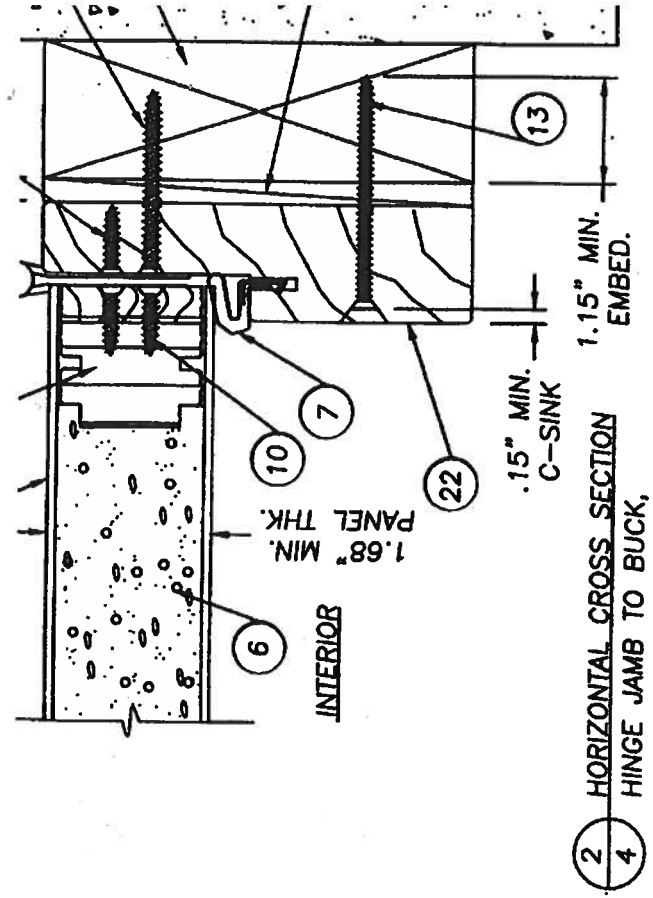
DETAIL "A"  
OPTIONAL SURFACE BOLTS IN ACTIVE  
(SEE DESIGN PRESSURE CHART)





1 HORIZONTAL CROSS SECTION  
4 LATCH JAMB TO BUCK,

.15" MIN.  
C-SINK  
1.15" MIN.  
EMBED.

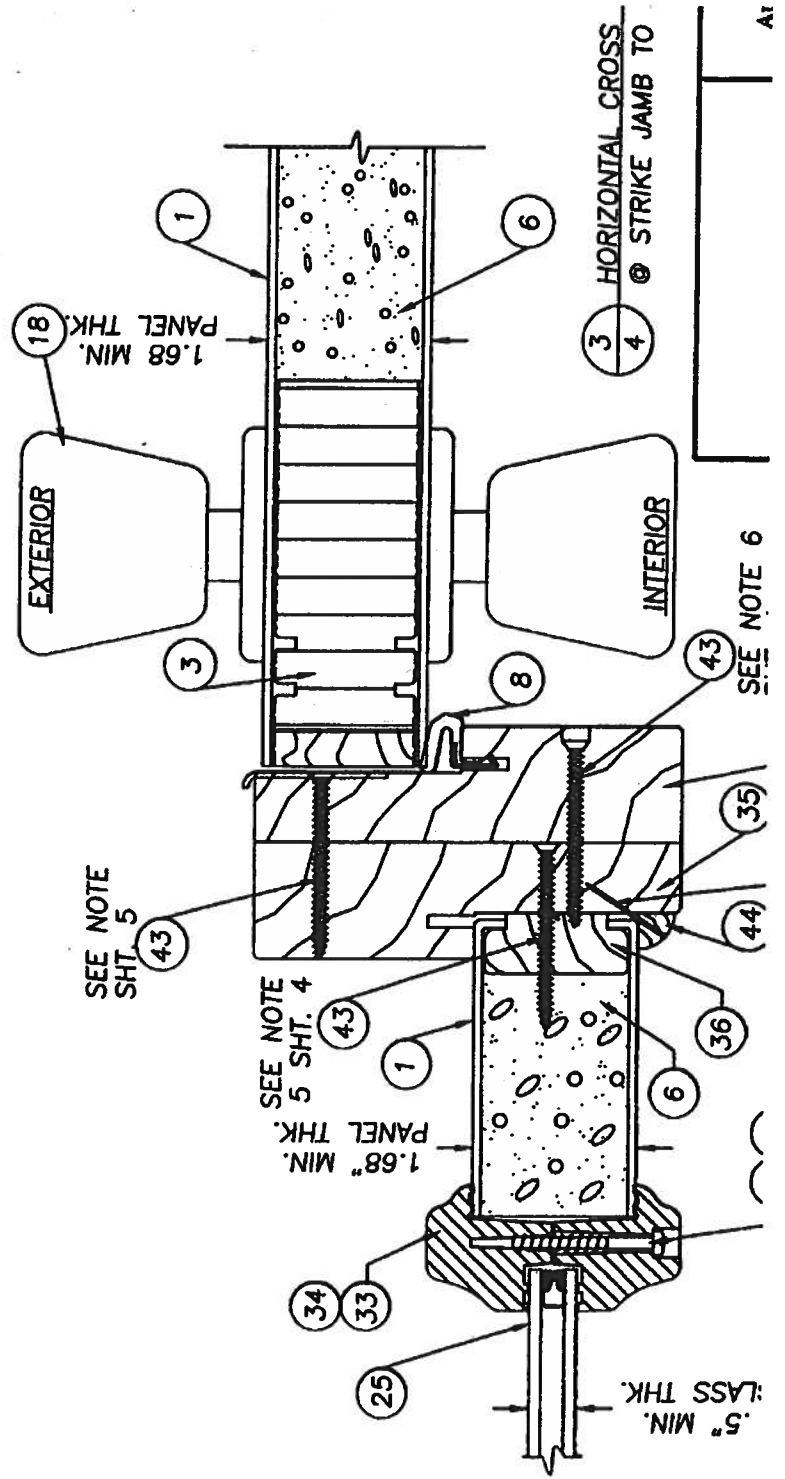


2 HORIZONTAL CROSS SECTION  
4 HINGE JAMB TO BUCK,

.15" MIN.  
C-SINK

1.15" MIN.  
EMBED.

CREWS) IS AS FOLLOWS: FROM 6.5", WITH (7) MORE SPACED (2) SCREW BOTH TOP AND EACH CORNER.  
1" PANHEAD SCREW  
> THE INACTIVE DOOR IS AS DOWN 1", 3", 5", 18.25", 54" >  
> TO THE SIDE JAMBS WITH  
> TO THE SIDE JAMBS WITH  
INTO THE JAMB WITH (12) THERE ARE (4) AT THE TOP DOWN AT 13.5", (2) AT THE HEADER AT 4" S OF THE FRAME. THERE ARE THE OUTSIDE CORNERS. W SECURING THE MULLIONS THE PERIMETER ANCHORING IE TOP AND UP FROM THE ICED AT 16.9" O.C. TO THE JAMB AND THE BUCK N ATTACHING THE HINGE TO : AT THE MULLION USE ITEM



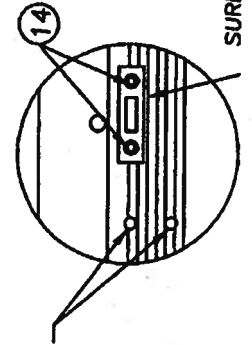
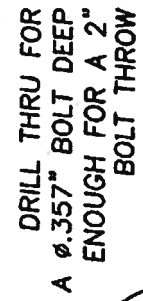
SEE NOTE  
SHT. 5

SEE NOTE  
5 SHT. 4

.5" MIN.  
GLASS THK.

SEE NOTE 6

3 HORIZONTAL CROSS  
4 @ STRIKE JAMB TO



NOTE:  
USE #8 x 2 1/2" PFH WOOD SCF  
STRIKE AND DEADBOLT PLATES TO  
ASTRAGAL EXCEPT IN THE MULLED  
THE SIDELITE USE #8 x 2" PFH W

## SURFACE BOLT

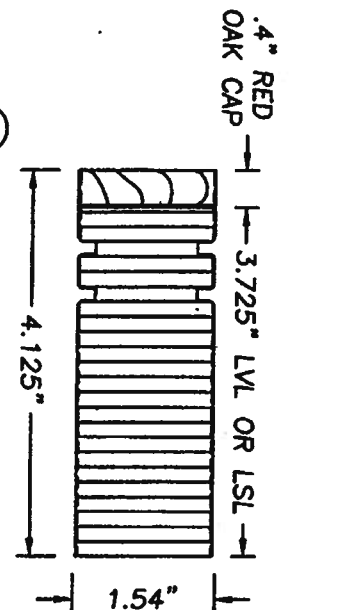


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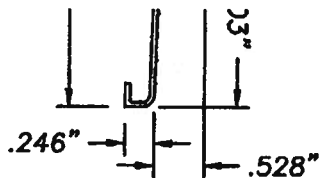
4

HINGE SIDE STILE

CORE MATERIAL: LVL OR LSL  
ALTERNATE CORE MATERIAL: PONDEROSA, RADIATA, PULAI, ELLIOTII, TAEDA OR SUGAR PINE, DOUGLAS OR WHITE FIR, CEDAR, INCENSE CEDAR OR REDWOOD.



ZONES"

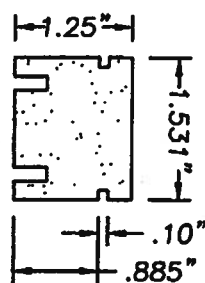


CUTSWING  
AND THRESHOLD

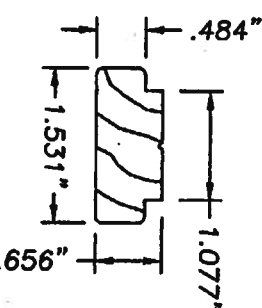
IE ZONES"



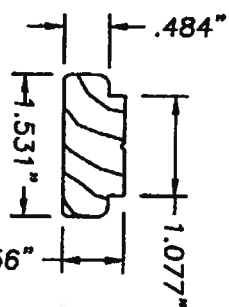
2 TOP RAIL  
WOOD COMPOSITE



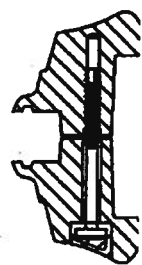
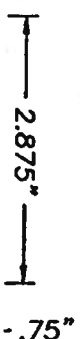
5 BOTTOM RAIL  
WOOD COMPOSITE



42 SIDELITE TOP & BOTTOM RAIL  
FINGER JOINTED PONDEROSA PINE



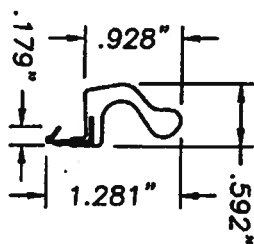
36 SIDELITE BLANK SIDE STILE  
FINGER JOINTED PONDEROSA PINE



34

PLASTIC LIP LITE FRAME  
EXTRUDED SMC

33 PI

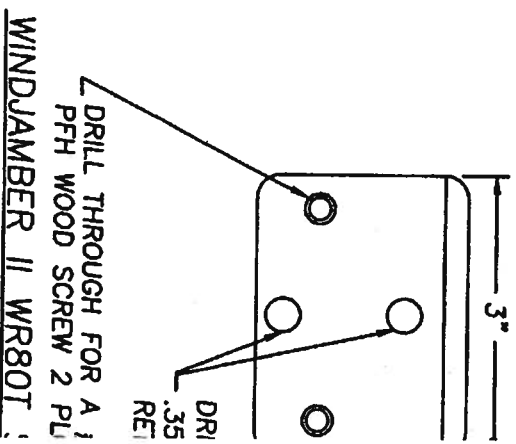


8

LONG REACH  
COMPRESSION WEATHERSTRIP  
FOAM CELL CORE  
W/VINYL JACKET

7

COMPRES  
BY  
FOAM  
W/



Exposure \_\_\_\_\_ 5%

Pieces/Bundle \_\_\_\_\_ 22

Bundles/Square \_\_\_\_\_ 3/100 sq. ft.

Squares/Pallet \_\_\_\_\_ 16

non-perforated coverage for shingles and application labor for the initial 5 years, plus an option for transferability\*; perforated coverage for application labor and shingles for balance of limited warranty period; 5-year limited wind warranty\*.

52 Bundles/Pallet

18 Pallets/Truck

936 Bundles/Truck

19 Pieces/Bundle

1 Bundle = 120.33 linear feet

Available Colors: Antique Slate, Weatheredwood, Shakeswood, Sablewood, Hickory, Barkwood\*\*, Forest Green, Wedgewood\*\*, Birchwood\*\*, Sandelwood. Gallery Collection: Balsam Forest\*, Weathered Sage\*, Sienna Sunset\*.

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

Check for availability with built-in StainGuard® treatment to inhibit the discoloration of roofing granules caused by the growth of certain types of algae. Not available in Sablewood.

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

All Prestique and Raised Profile shingles meet the latest Metro Dade building code requirements.

\*See actual limited warranty for conditions and limitations.

\*\*Check for product availability.

## SPECIFICATIONS

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

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

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

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

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

Complete application instructions are published by Elk and printed on the back of every shingle bundle. All

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

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

**SOUTHEAST & ATLANTIC OFFICE:**  
800.945.5551

**CORPORATE HEADQUARTERS:**  
800.354.7732

**PLANT LOCATION:**  
800.945.5545

**ELK**  
www.elkcorp.com

SSOOT 01/02

Michael Jenkins

From: Ed Guth - Lake City Industries

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NOV 27 2006

Jenkins Contracting LLC  
Lake City

FL # 5438.16

**AAMA/NWDA 101/LS-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 <sup>2</sup>
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

RECEIVED

NOV 27 2006

Jenkins Contracting LLC  
Lake City

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 Elizabethtown, 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.

100 Derry Court  
York, PA 17402-9403  
phone: 717.764.7700  
fax: 717.764.4129  
www.archtest.com

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NOV 27 2006

Jenkins Contracting LLC  
Lake City

**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.



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NOV 27 2006

Jenkins Contracting LLC  
Lake City**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 <sup>2</sup>	0.3 cfm/ft <sup>2</sup> max.
<i>Note #1: The tested specimen meets the performance levels specified in AAMA/NWDA 101A.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

## Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
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)	0.15"	0.41" max.
	@ 15.0 psf (negative)	0.29"	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)	0.01"	0.29" max.
	@ 22.5 psf (negative)	0.01"	0.29" max.
2.2.1.6.2	Deglazing Test (ASTM E 987-88) In operating direction at 70 lbs		
	Right sash, meeting rail	0.12"/25%	0.50"/100%
	Right sash, bottom rail	0.12"/25%	0.50"/100%
	Middle sash, meeting rail	0.12"/25%	0.50"/100%
	Middle sash, bottom rail	0.12"/25%	0.50"/100%
	Left sash, meeting rail	0.12"/25%	0.50"/100%
	Left sash, bottom rail	0.12"/25%	0.50"/100%
	In remaining direction at 50 lbs		
	Right sash, right stile	0.06"/12%	0.50"/100%
	Right sash, left stile	0.06"/12%	0.50"/100%
	Middle sash, right stile	0.06"/12%	0.50"/100%
	Middle sash, left stile	0.06"/12%	0.50"/100%
	Left sash, right stile	0.06"/12%	0.50"/100%
	Left sash, left stile	0.06"/12%	0.50"/100%
2.1.8	Forced Entry Resistance (ASTM F 588-97)		
	Type: A		
	Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Test A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry

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NOV 8 7 2006

Jenkins Contracting LLC  
Lake City

## Test Results: (Continued)

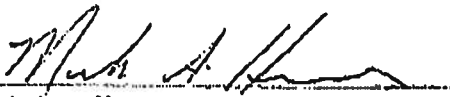
<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
<u>Optional Performance</u>			
4.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 5.25 psf	No leakage	No leakage
4.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the mullion) (Loads were held for 52 seconds) @ 35.3 psf (positive) @ 35.0 psf (negative)	0.26" 0.41"	See Note #2 See Note #2

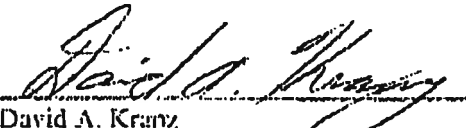
*Note #2: The Uniform Load Deflection test is not an AAMA/NWDA 1011.8.2-97 requirement for this product designation. The data is recorded in this report for information only.*

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

MAH:vlh  
01-41641.02

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NOV 27 2006

Jenkins Contracting LLC  
Lake City

January 3, 2008

Columbia County Building & Zoning Dept.  
% Mr. Harry Dicks, Building Official, II.  
135 NE Hernando Avenue, Suite B-21-A  
Lake City, Florida 32055

Dear Mr. Dicks:

Please accept this termination letter on Jenkins Construction, Michael Jenkins, Contractor/owner.

I will be completing my home located at 102 NW Emporia Gln, Lot 10 Lakewood Estates, Lake City, FL 32055.

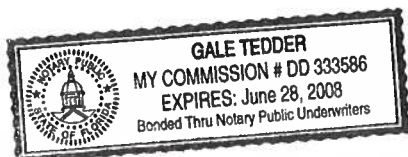
This action is caused due to poor craftsmanship on my house and I would like to terminate this project immediately with Mr. Jenkins.

Sincerely,

*Frances Mackey*

Frances Mackey  
386.961.8993

*Gale Tedder* 1/4/08



# Notice of Treatment 12441

Applicator: Florida Pest Control & Chemical Co. (www.flapest.com)

Address: BAYA Ave

City LAKE CITY Phone 752-1703

Site Location: Subdivision LAKEWOOD ESTATES

Lot # 10 Block#        Permit # 25302

Address 102 WALTONBORO Gln

<u>Product used</u>	<u>Active Ingredient</u>	<u>% Concentration</u>
---------------------	--------------------------	------------------------

<input type="checkbox"/> Premise	Imidacloprid	0.1%
----------------------------------	--------------	------

<input type="checkbox"/> Termidor	Fipronil	0.12%
-----------------------------------	----------	-------

<input checked="" type="checkbox"/> Bora-Care	Disodium Octaborate Tetrahydrate	23.0%
---	----------------------------------	-------

Type treatment:

☐ Soil ☒ Wood

<u>Area Treated</u>	<u>Square feet</u>	<u>Linear feet</u>	<u>Gallons Applied</u>
<u>Dwelling</u>	<u>3198</u>	<u>786</u>	<u>4</u>
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line \_\_\_\_\_.

3/21/07  
Date

1100  
Time

F254 GUNN  
Print Technician's Name

Remarks: \_\_\_\_\_

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05





# 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: 1T1F487-Z0113104027

Truss Fabricator: Anderson Truss Company  
Job Identification: 6-352--Jenkins Contracting Mackey -- , \*\*  
Truss Count: 30  
Model Code: Florida Building Code 2004  
Truss Criteria: ANSI/TPI-2002(STD)/FBC  
Engineering Software: Alpine Software, Version 7.24.  
Structural Engineer of Record: The identity of the structural EOR did not exist as of  
Address: the seal date per section 61G15-31.003(5a) of the FAC  
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration  
Floor - N/A  
Wind - 110 MPH ASCE 7-02 -Closed

## Notes:

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

Details: A11015EE-GBLLETIN-BRCLBSUB-VALTRU02-

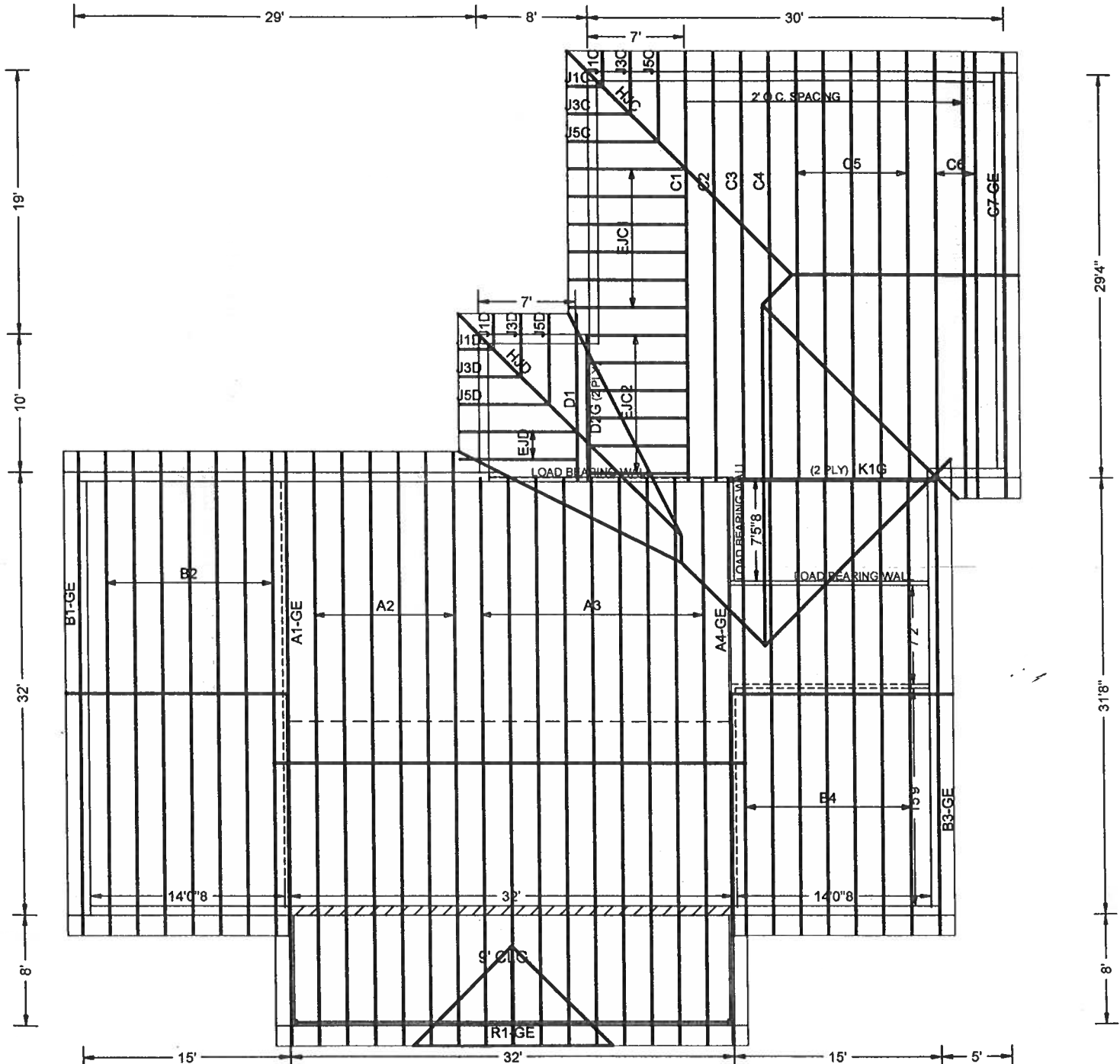
Seal Date: 10/13/2006

-Truss Design Engineer-  
Arthur R. Fisher

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

#	Ref	Description	Drawing#	Date
1	29837--	A1-GE	06286029	10/13/06
2	29838--	A2	06286026	10/13/06
3	29839--	A3	06286001	10/13/06
4	29840--	A4-GE	06286009	10/13/06
5	29841--	B1-GE	06286010	10/13/06
6	29842--	B2	06286002	10/13/06
7	29843--	B3-GE	06286011	10/13/06
8	29844--	B4	06286003	10/13/06
9	29845--	C1	06286012	10/13/06
10	29846--	C2	06286013	10/13/06
11	29847--	C3	06286014	10/13/06
12	29848--	C4	06286015	10/13/06
13	29849--	C5	06286016	10/13/06
14	29850--	C6	06286017	10/13/06
15	29851--	C7-GE	06286018	10/13/06
16	29852--	D1	06286019	10/13/06
17	29853--	D2G	06286030	10/13/06
18	29854--	HJC	06286027	10/13/06
19	29855--	EJC1	06286028	10/13/06
20	29856--	EJC2	06286020	10/13/06
21	29857--	J5C	06286021	10/13/06
22	29858--	J3C	06286022	10/13/06
23	29859--	J1C	06286023	10/13/06
24	29860--	HJD	06286024	10/13/06
25	29861--	EJD	06286004	10/13/06
26	29862--	J5D	06286005	10/13/06
27	29863--	J3D	06286006	10/13/06
28	29864--	J1D	06286007	10/13/06
29	29865--	K1G	06286025	10/13/06
30	29866--	R1-GE	06286008	10/13/06





#6-352 JENKINS CONTRACTING - MACKEY

10/12/06

Scale: 3/32" = 1'

Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3 :W9, W13 2x4 SP #2 Dense:  
:lt Slider 2x4 SP #2 Dense: BLOCK LENGTH = 1.783'

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)  
TC - From 62 PLF at -1.50 to 62 PLF at 16.00  
TC - From 134 PLF at 16.00 to 134 PLF at 21.00  
TC - From 134 PLF at 21.00 to 134 PLF at 32.00  
TC - From 104 PLF at 32.00 to 104 PLF at 41.50  
BC - From 4 PLF at -1.50 to 4 PLF at 0.00  
BC - From 21 PLF at 0.00 to 21 PLF at 18.00  
BC - From 21 PLF at 18.00 to 21 PLF at 31.33  
BC - From 20 PLF at 31.33 to 20 PLF at 40.00  
BC - From 4 PLF at 40.00 to 4 PLF at 41.50

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

+ MEMBER TO BE Laterally Braced For Wind Loads PERPENDICULAR TO TRUSS. BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.

See DWGS A11015EE0405 & GBLLET1N0405 for more requirements.

5X8 ≡ 5X6 ≡ 5X8 ≡ 3X5 ≡

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

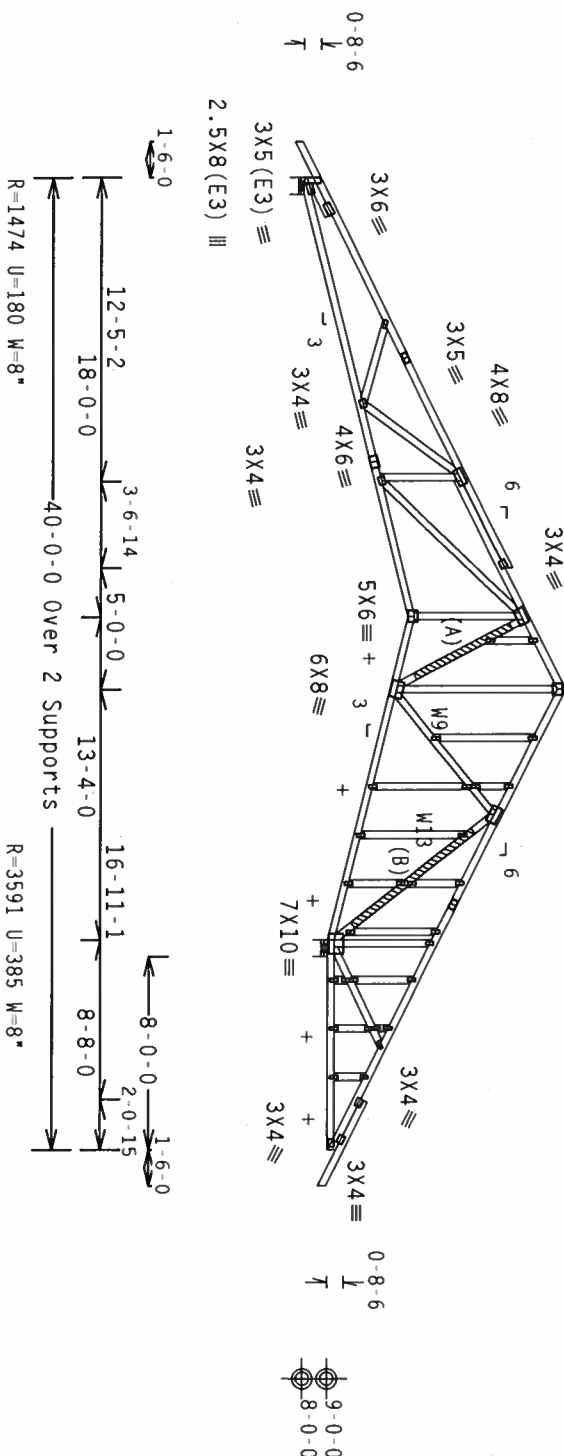
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

Wind reactions based on MWFRS pressures.

Calculated horizontal deflection is 0.15" due to live load and 0.23" due to dead load.

(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.  
(B) (2) SP #3 or better scab braces. Same size & 80% length of web member. Attach one to each face w/10d Box or Gun (0.128"x3",min.)nails @ 6" OC.



Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave

\*\*\*WARNING\*\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REPAIRS TO TRUSSES SHALL BE MADE BY THE TRUSS MANUFACTURER OR A QUALIFIED TRUSS DESIGNER. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE TRUSS DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE BUILDING. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE TRUSS DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE BUILDING. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE TRUSS DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE BUILDING.

\*\*\*IMPORTANT\*\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S) 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 AMEX AS OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN AND THE ACCEPTANCE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMEX/TP1 SEC. 2.

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

FL/-/4/-/R/-

Scale = .125"/ft.

TC LL	20.0 PSF	REF R487-- 29837
TC DL	10.0 PSF	DATE 10/13/06
BC DL	10.0 PSF	DRW HCUR487 0626029
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEON- 132023



Alpine Engineered Products, Inc.  
1950 Marney Drive  
Haines City, FL 33844  
Phone 888-255-2555  
Fax 888-255-2555

Alpine Engineered Products, Inc.  
1950 Marney Drive  
Haines City, FL 33844  
Phone 888-255-2555  
Fax 888-255-2555

SPACING	24.0"	UREF- 1TTE487_201
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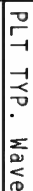


110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MMFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

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


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

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

Scale = .125" / Ft.

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

ENGINEERED

—

100

Alpine Engineered Products, Inc.

1950 Mainly Drive  
Haines City, FL 33844  
Certification # 5

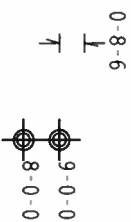
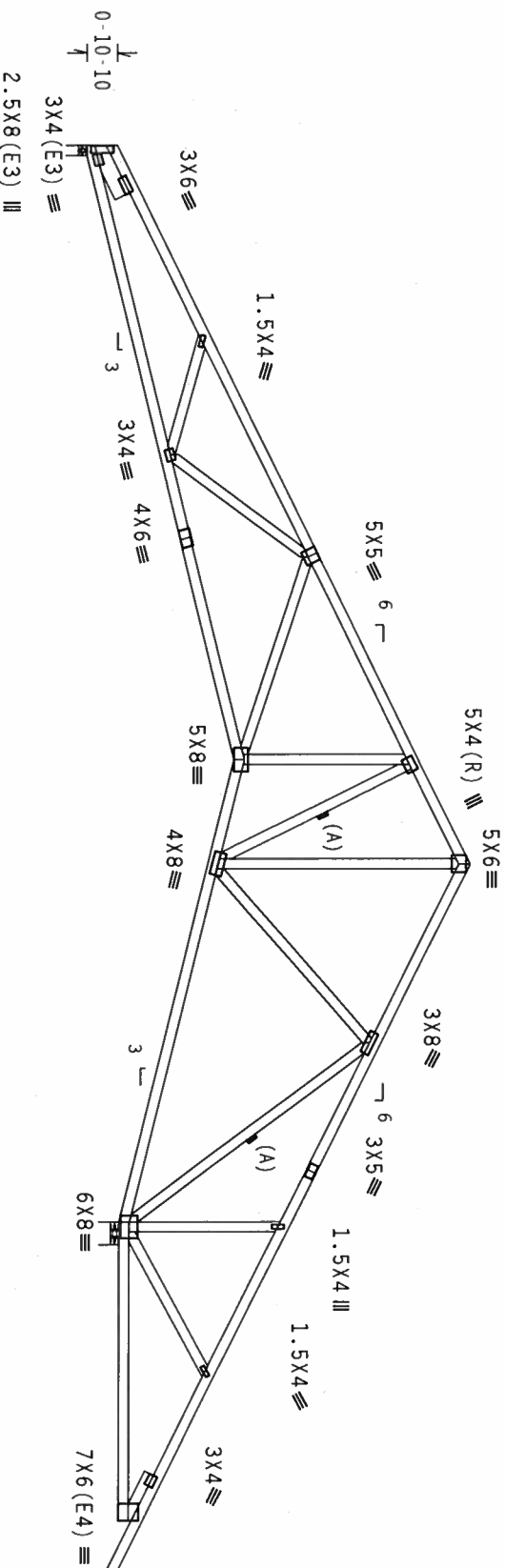
DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Professional Engineer Seal for Arthur R. Fisher, State of Maryland, License No. 59987, dated October 13, 2006.

TC LL	20.0 PSF	REF	R487 - 29838
TC DL	10.0 PSF	DATE	10/13/06
BC DL	10.0 PSF	DRW	HCUSR487 06286026
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	131984
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T1F487_201

Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3  
:lt Slider 2x6 SP #2: BLOCK LENGTH = 1.667'  
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'  
Calculated horizontal deflection is 0.12" due to live load and 0.18" due to dead load.  
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.  
Wind reactions based on MWFRS pressures.  
(A) Continuous lateral bracing equally spaced on member.  
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



PLT TYP. Wave

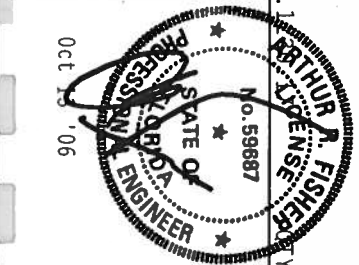
Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7.24.1

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

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



Alpine Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844  
Phone: 888-255-2555  
Fax: 888-255-2556  
Website: www.alpine-engineered.com



TC LL	20.0 PSF	REF	R487-29839
TC DL	10.0 PSF	DATE	10/13/06
BC DL	10.0 PSF	DRW	HCUSR487 06286001
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT. LD.	40.0 PSF	SEQN-	131990
DUR. FAC.	1.25		
SPACING	24.0"	DRWF	1TJF487_201

Scale = .1875"/ft.

## SPECIAL LOADS

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

+ MEMBER TO BE Laterally Braced for Wind Loads Perpendicular to Truss. Bracing System to be Designed and Furnished by Others.

Shim all supports to solid bearing.

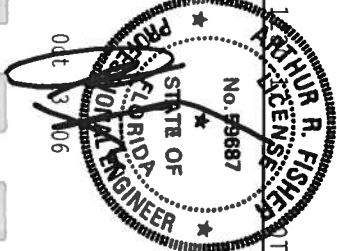
Design Crit:  $TPI-2002(STD)/FBC$  $Cq/RT=1.00(1.25)/10(0) \quad 7.24.$ 

Scale = .1875"/Ft.

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

Alpine Engineered Products, Inc.

Haines City, FL 33844  
Certificate of Authorization # 57



TC LL	20.0 PSF	REF	R487 - 29840
TC DL	10.0 PSF	DATE	10/13/06
BC DL	10.0 PSF	DRW	HCUSR487 06286009
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN -	132031
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	111E487_201

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

Wind reactions based on MMFRS pressures.

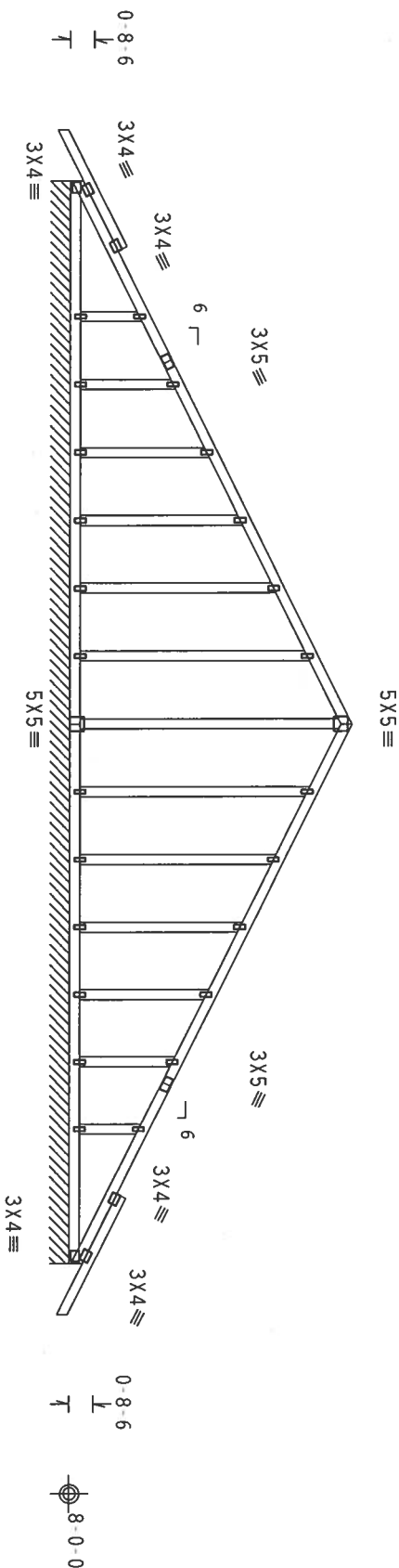
In lieu of structural panels or rigid ceiling use purlins to  
brace TC @ 24" OC, BC @ 24" OC.

See DWGS A11015EE0405 & GBLLETIN0405 for more requirements.

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

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase  
factor for dead load is 1.50.



1-6-0  
2-0-15  
13-11-1  
32-0-0 Over Continuous Support  
1-6-0  
2-0-15  
13-11-1

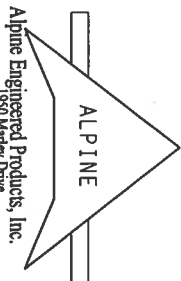
Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave

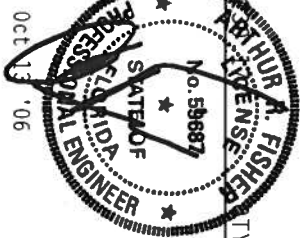
Design Crit: TPI-2002(STD)/FBC  
CQ/RT=1.00(1.25)/10(0)

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. DESIGNER SHALL PROVIDE ALL NECESSARY SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 363 DUNSTON RD, SUITE 200, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE NOTED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM 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&AP) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/X) ASTM A653 GRADE 40/60 (K, 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 AS OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN AND THE STABILITY 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.  
1990 Marley Drive  
Haines City, FL 33844  
Phone: 888-255-2555  
Fax: 888-255-2556  
Website: www.alpineeng.com



FL/14/-/-/R/-

Scale = .1875"/ft.

TC LL	20.0 PSF	REF R487-- 29841
TC DL	10.0 PSF	DATE 10/13/06
BC DL	10.0 PSF	DRW HCUR487 06286010
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 131770
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T1E487_201

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

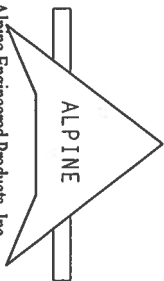
Wind reactions based on MMFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increases factor for dead load is 1.50.


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

7.24.1  
PROPERTY:1  
FL/-/4/-/-/R/-

Scale = .1875"/Ft.



11 "MARINING" TRUCKS REQUIRE EXPERT CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING  
12 REFER TO BC51-1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATING INSTITUTE, 580  
13 D'ONOFRIO BLVD., SUITE 200, MADISON, WI 53718) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN.  
14 MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED  
15 TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED  
16 ACID CEILING.

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

TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF UBCS (NATIONAL DESIGN SPEC OR AISC) AND TOI

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIAA) AND TPI. ALPINE  
CONNECTOR PLATES ARE MADE OF 2018/16CA (W W/S/K) ASTM A553 GRADE 40/60 (W W/S E) CALY STEEL  
ABRIV

CONNECTOR PLATES ARE MADE OF 20/18/16GA (M, H/S/K) ASTM A653 GRADE 40/60 (M, K/H, S) GALV. STEEL. APPLY PLATES TO EACH EDGE OF TRUSS AND WELDS OUTSIDE LOCATED ON THIS DESIGN POSITION OF DRAWINGS 1004.7

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2  
ANY INSPECTION OF PLATES FOLLOWED BY (A) SHALL BE REPEATED 42 OF 2011 2003 SEC 2 A ECU ON TIME

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

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/ISO 15550

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

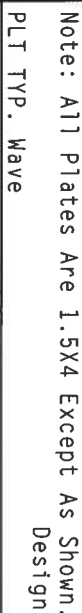
TC LL	20.0 PSF	REF	R487-- 29842
TC DL	10.0 PSF	DATE	10/13/06
BC DL	10.0 PSF	DRW	HCUSR487 06286002
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	40.0 PSF	SEQN-	131760
DUR.FAC.	1.25		
SPACING	24.0"	JRFF-	1T1F487_201

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

Deflection meets  $L/240$  live and  $L/180$  total load. Creep increase factor for dead load is 1.50.

Deflection meets  $L/240$  live and  $L/180$  total load. Creep increase factor for dead load is 1.50.

Deflection meets  $L/240$  live and  $L/180$  total load. Creep increase factor for dead load is 1.50.



TP1 - 2002(STD)/FBC  
Cq/RT=1.00(1.25)

7.24.1

QTY: 1

FL/4/1/1/R/

Scale = .1875"/Ft.

0.1  
0.1  
PR  
★  
STATE OF  
★  
FER  
★  
No. 59687  
ARTHUR R. FISHER  
LICENSE

TC LL	20.0 PSF	REF	R487 -	29843
TC DL	10.0 PSF	DATE	10/13/06	
BC DL	10.0 PSF	DRW	HCUSR487	06266011

1950 Marley Drive  
Haines City, FL 33844

Oct 13 '06

BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 131796
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 111E487_201

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

Wind reactions based on MMFRS pressures.  
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



1  
ARTHUR R. FISHER  
LITIGANT

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

Scale = .1875"/ft.

No. 59687

ALPINE ENGINEERED



Oct 1 1966

5

TC LL	20.0 PSF	REF	R487-- 29844
TC DL	10.0 PSF	DATE	10/13/06
BC DL	10.0 PSF	DRW	HCUSR487 06286003
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	40.0 PSF	SEON-	131784
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T1E487_Z01

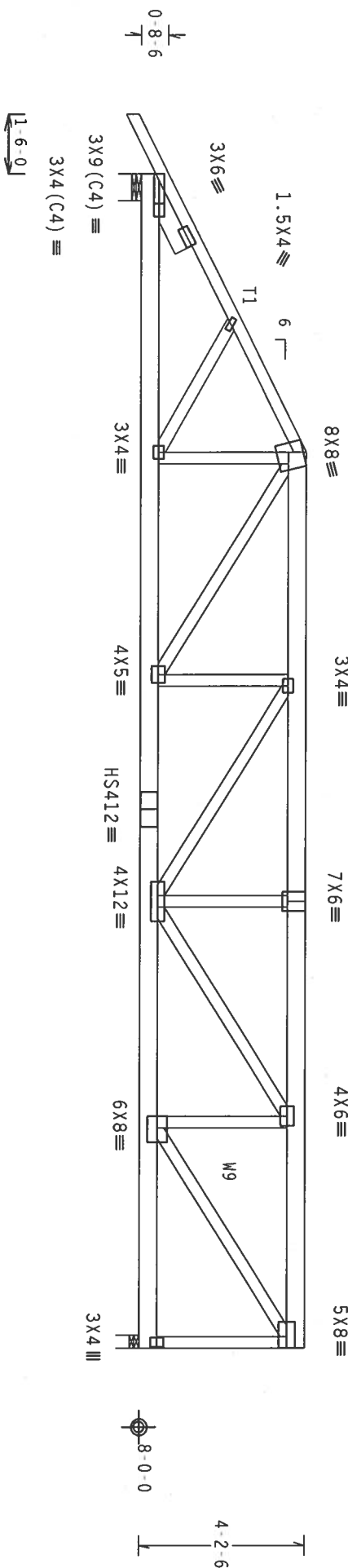
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Deflection meets  $L/240$  live and  $L/180$  total load. Creep increase factor for dead load is 1.50.

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

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



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

OTY:1

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

Scale = .25" / Ft.

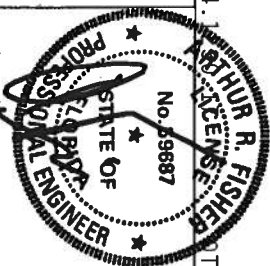
\*\*\*WARNING\*\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-3 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPI (TRUSS PLATE INSTITUTE, 5835 W. O'NEIRO DR., SUITE 200, MOIDEN, MI 53139) AND NCA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LN, MOIDEN, MI 53139) FOR SAFETY PRACTICES PRIOR TO PERFORMING TRUSS FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED CEILING.

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

ALPINE

Alpine Engineered Products, Inc.  
1050 Madison Drive

1750 Malley Drive  
Haines City, FL 33844  
Certificate of Registration # 500



TC LL	20.0 PSF	REF	R487-- 29845
TC DL	10.0 PSF	DATE	10/13/06
BC DL	10.0 PSF	DRW	HCUSR487 06286012
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	131957
DUR.FAC.	1.25		
SPACING	24.0"	JRFF-	1T1F487_201

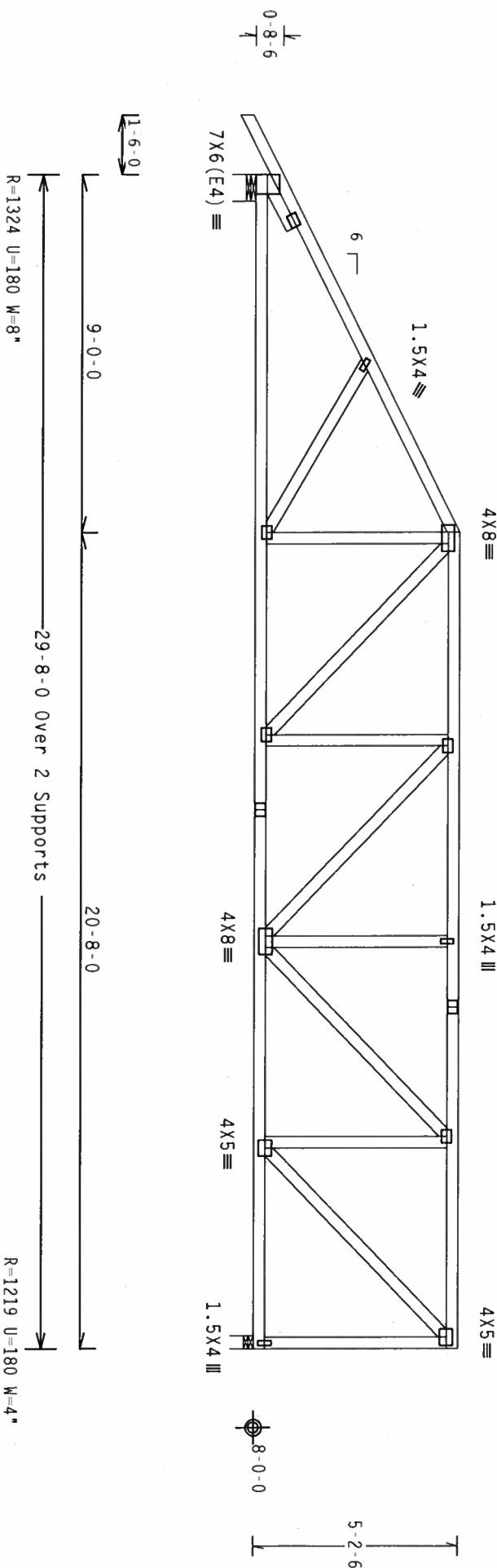


In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Deflection meets  $L/240$  live and  $L/180$  total load. Creep increase factor for dead load is 1.50.

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.



Note: All Plates Are 3X4 Except As Shown.

PLT TYP. Wave

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

 $Cq/RT=1.00(1.25)/10(0) \quad 7.24.1$ 

REVISE

```

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

```

Scale = .25"/Ft.

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

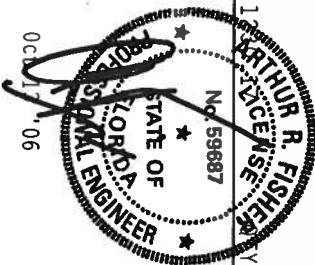
**\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR**

ALPINE ENGINEERED

ALPINE

Alpine Engineered Products, Inc.

**1950 Marley Drive  
Haines City, FL 33844**

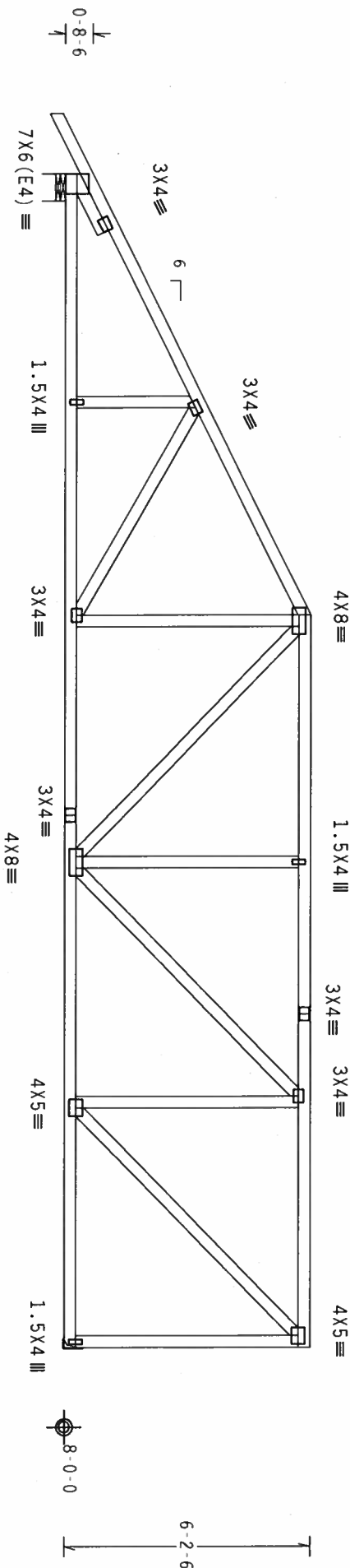


TC LL	20.0 PSF	REF	R487 - - 29846
TC DL	10.0 PSF	DATE	10/13/06
BC DL	10.0 PSF	DRW	HCSUR487 06286013
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN -	131866
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	11E487 201

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MMFRS pressures.  
Right end vertical not exposed to wind pressure.

Deflection meets  $L/240$  live and  $L/180$  total load. Creep increase factor for dead load is 1.50.



Scale = .25"/Ft.

$R=1312$   $U=180$   $W=8''$ 
29-4-8 Over 2 Supports
 $R=1207$   $U=180$

ALPINE ENGINEERED

1

10



6

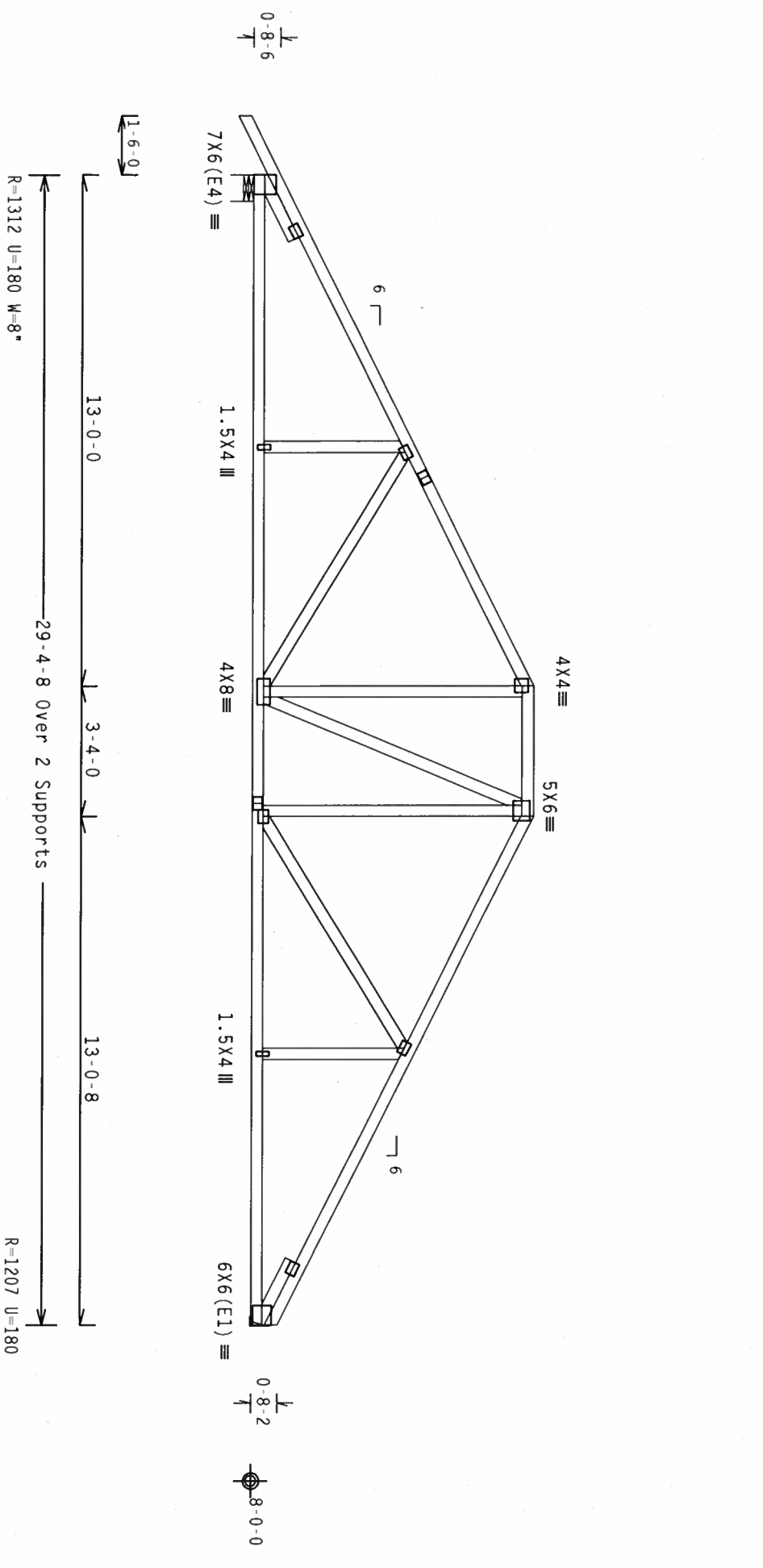
2

1

Haines City, FL 33844  
 IT Certificate of Authorization # 557

TC LL	20.0 PSF	REF	R487-- 29847
TC DL	10.0 PSF	DATE	10/13/06
BC DL	10.0 PSF	DRW	HCUSR487 0628601
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEON-	131858
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T1E487_201

Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3  
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.811'  
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 1.808'  
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.  
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.  
Wind reactions based on MWFRS pressures.  
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

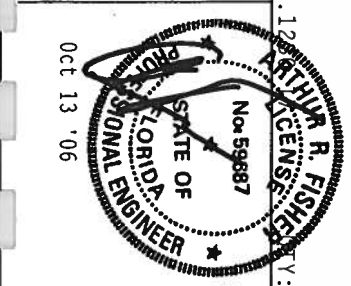
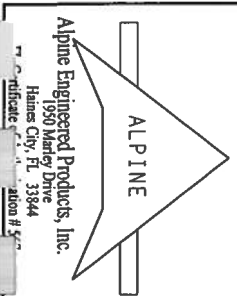


Note: All Plates Are 3X4 Except As Shown.  
PLT TYP. Wave  
Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7.24.12

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 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 COMPLIANCE WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ALPINE

CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/SX) ASTM A653 GRADE 40/60 (K, K/H/S) GALV. STEEL. APPLY PLATES TO FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. PLATES SHALL BE SECURED AS OF TPI-2002 SEC. 3.3. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

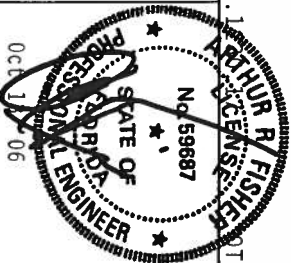


TC LL	20.0 PSF	REF R487-- 29848
TC DL	10.0 PSF	DATE 10/13/06
BC DL	10.0 PSF	DRW HCUSR487 0626015
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEON- 131849
DUR.FAC.	1.25	
SPACING	24.0"	
JREF- 1TIF487_201		

110. mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.



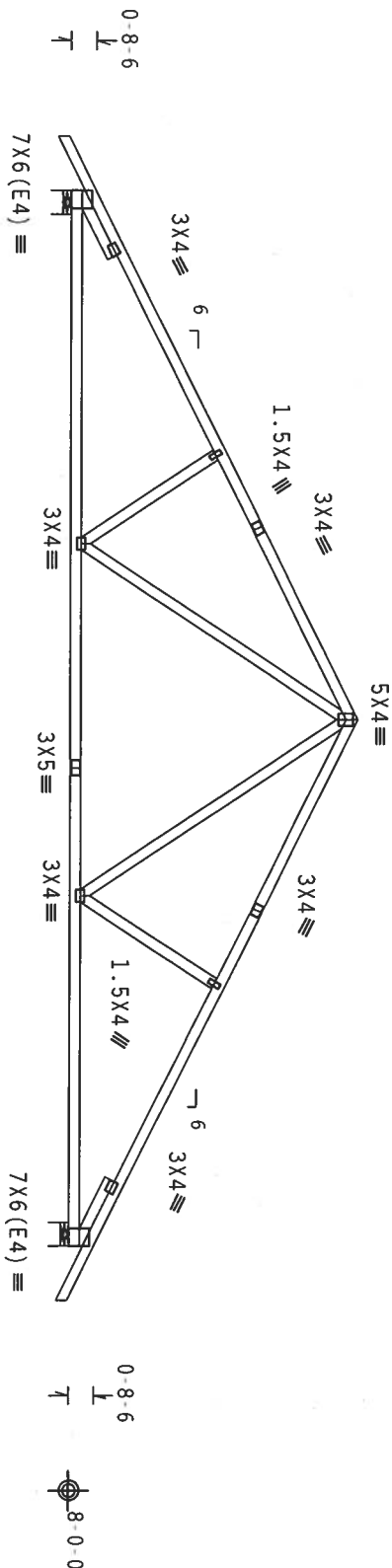
### ABILITY OF THE



TC LL	20.0 PSF	REF	R487 - - 29849
TC DL	10.0 PSF	DATE	10/13/06
BC DL	10.0 PSF	DRW	HCUSR487 06286016
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN -	131805
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1T1F487 Z01

Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3  
Lt Slider 2x4 SP #3: BLOCK LENGTH = 2.045'  
Rt Slider 2x4 SP #3: BLOCK LENGTH = 2.049'

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.  
Wind reactions based on MMFRS pressures.  
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



1-6-0  
14-8-0  
29-4-0 Over 2 Supports  
14-8-0  
1-6-0  
R=1308 U=180 W=8"  
R=1302 U=180 W=8"

PLT TYP. Wave

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 BC31.01 BUILDING CONSTRUCTION SAFETY AND HEALTH, 1993 EDITION, 101.01, 101.02, 101.03, 101.04, 101.05, 101.06, 101.07, 101.08, 101.09, 101.10, 101.11, 101.12, 101.13, 101.14, 101.15, 101.16, 101.17, 101.18, 101.19, 101.20, 101.21, 101.22, 101.23, 101.24, 101.25, 101.26, 101.27, 101.28, 101.29, 101.30, 101.31, 101.32, 101.33, 101.34, 101.35, 101.36, 101.37, 101.38, 101.39, 101.40, 101.41, 101.42, 101.43, 101.44, 101.45, 101.46, 101.47, 101.48, 101.49, 101.50, 101.51, 101.52, 101.53, 101.54, 101.55, 101.56, 101.57, 101.58, 101.59, 101.60, 101.61, 101.62, 101.63, 101.64, 101.65, 101.66, 101.67, 101.68, 101.69, 101.70, 101.71, 101.72, 101.73, 101.74, 101.75, 101.76, 101.77, 101.78, 101.79, 101.80, 101.81, 101.82, 101.83, 101.84, 101.85, 101.86, 101.87, 101.88, 101.89, 101.90, 101.91, 101.92, 101.93, 101.94, 101.95, 101.96, 101.97, 101.98, 101.99, 101.100, 101.101, 101.102, 101.103, 101.104, 101.105, 101.106, 101.107, 101.108, 101.109, 101.110, 101.111, 101.112, 101.113, 101.114, 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Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

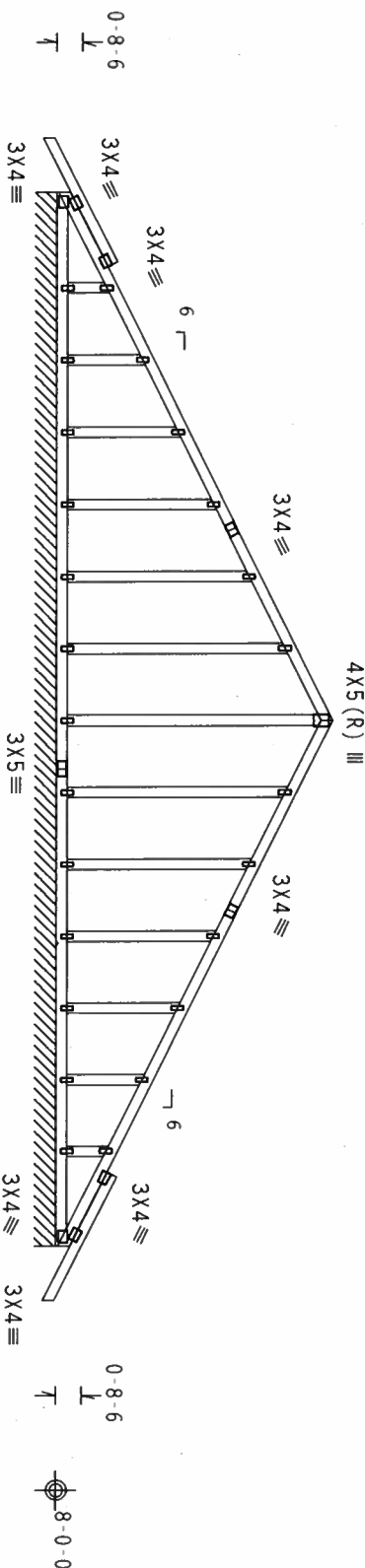
Wind reactions based on MMFRS pressures.

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

See DWGS A11015EE0405 & GBLLETIN0405 for more requirements.

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

Deflection meets L/240 live and L/180 total load. Creep increase  
factor for dead load is 1.50.



R=128 PLF U=8 PLF W=29-4-0

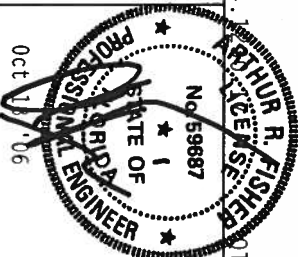
Note: All Plates Are 1.5X4 Except As Shown.  
PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7.24.1

WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.  
REFER TO BC31.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583  
MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS.  
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 IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

ALPINE  
ENGINEERED PRODUCTS, INC.  
1950 Marley Drive  
Haines City, FL 33844  
Telephone 888-252-2525  
Fax 888-252-2525  
Website www.alpine-engineered.com



QTY: 1 FL/-/4/-/-/R/-

Scale = .1875"/ft.

TC LL	20.0 PSF	REF R487-- 29851
TC DL	10.0 PSF	DATE 10/13/06
BC DL	10.0 PSF	DRW HCUR487 06286018
BC LL	0.0 PSF	HC-ENG JB/AF
TOT. LD.	40.0 PSF	SEQN- 131822
DUR. FAC.	1.25	
SPACING	24.0"	URFF- 1T1E487_201

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

Wind reactions based on MMFRS pressures.

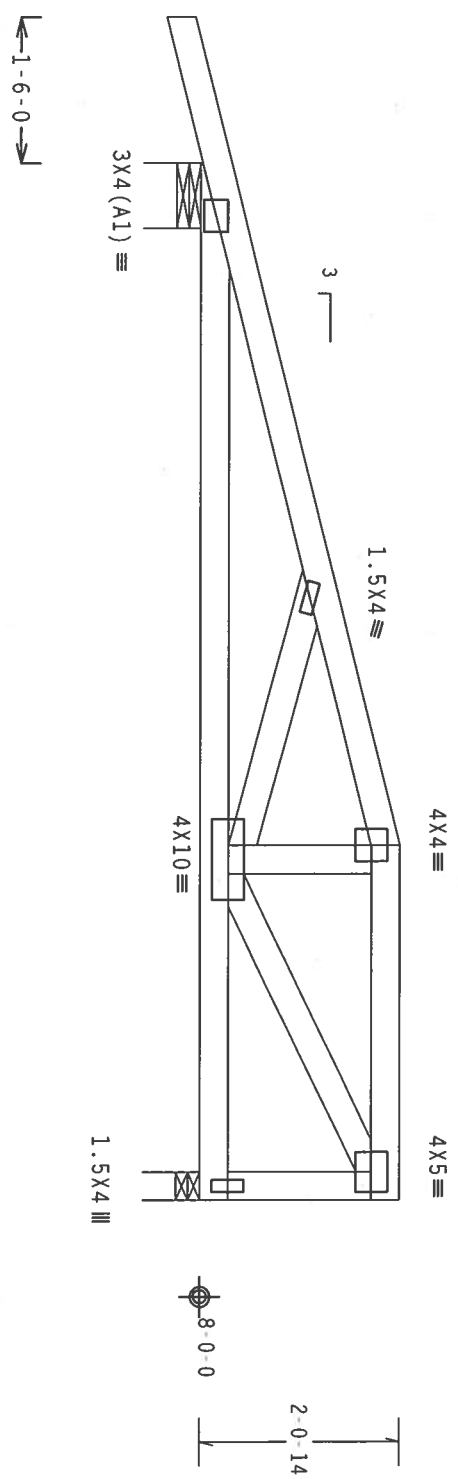
In lieu of structural panels or rigid ceiling use purtins to  
brace TC @ 24" OC, BC @ 24" OC.

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

Right end vertical not exposed to wind pressure.

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

Deflection meets L/240 live and L/180 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)



FL/-/4/-/R/- Scale = .5"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REMAINING BASE L-153 (OUTLINED COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 1503 DUNSTON RD., SUITE 100, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FINISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/P&I) 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-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER A3 OF TPI-2002 SEC.3.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. SHOWN FOR THE SUBMITTAL 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--	29852
TC DL	10.0 PSF	DATE	10/13/06	
BC DL	10.0 PSF	DRW	HCSR487	0626019
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEON-	131940	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1TIF487_201	

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

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)  
TC - From 61 PLF at 0.00 to 61 PLF at 10.67  
BC - From 20 PLF at 0.00 to 20 PLF at 10.67  
BC - 288 LB Conc. Load at 2.06, 4.06, 6.06, 8.06, 10.06

Wind reactions based on MMFRS pressures.

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

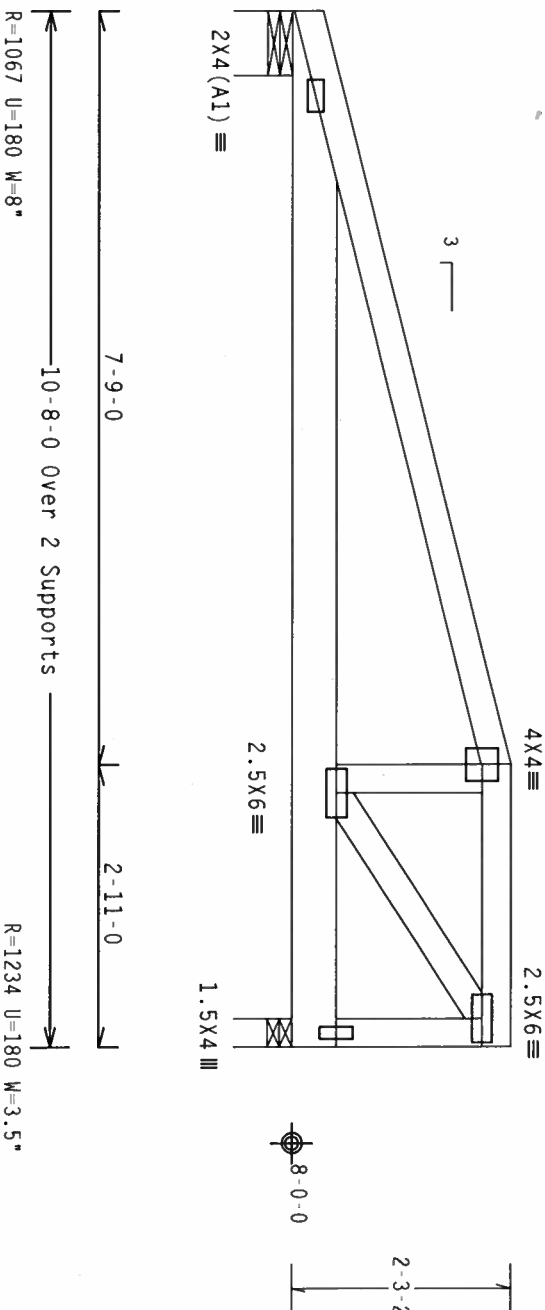
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

2 COMPLETE TRUSSES REQUIRED

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

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

Right end vertical not exposed to wind pressure.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

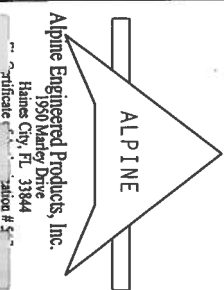
7.24.1

FL/-/4/-/R/-

Scale =.5"/ft.

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1.03 GUIDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS ASSOCIATION, 6300 ENTERPRISE LN, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM 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 AMES AS OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT BUILDING INDUSTRY. THE USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMS/TP1 SEC. 2.



Alpine Engineered Products, Inc.  
1950 Manley Drive  
Haines City, FL 33844  
Certificate # 59687

TC LL	20.0 PSF	REF R487-- 29853
TC DL	10.0 PSF	DATE 10/13/06
BC DL	10.0 PSF	DRW HCUSR487 06286030
BC LL	0.0 PSF	HC-ENG JB/AF
TOT. LD.	40.0 PSF	SEON- 131945
DUR. FAC.	1.25	
SPACING	24.0"	URFF- 111F487_201



```
:lt Slider 2x4 Sp"#3: BLOCK LENGTH = 1.500'
```

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

Wind reactions based on MWFS pressures.

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

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



Design Crit: TPI-2002(STD)/FBC

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

7.24.12

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

Scale = .5"/Ft.

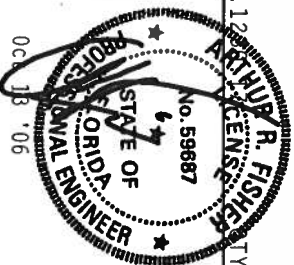
**WARNING:** \*FIBERS REQUIRING EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO BC61 1.03 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY IPI (TRUSS PRACTICE INSTITUTE, 580 O'CONNOR RD., SUITE 200, MADISON, WI 53718) AND WPCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

ALPINE

Alpine Engineered Products, Inc.  
1050 Madison Drive

1950 Marney Drive  
Haines City, FL 33844  
Certificate of Title # 5



TC LL	20.0 PSF	REF	R487 - 29854
TC DL	10.0 PSF	DATE	10/13/06
BC DL	10.0 PSF	DRW	HCUSR487 06286027
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	131906
DUR.FAC.	1.25		
SPACING	24.0"	JRFE-	1T1F487_201

Wind reactions based on MWFRS pressures.

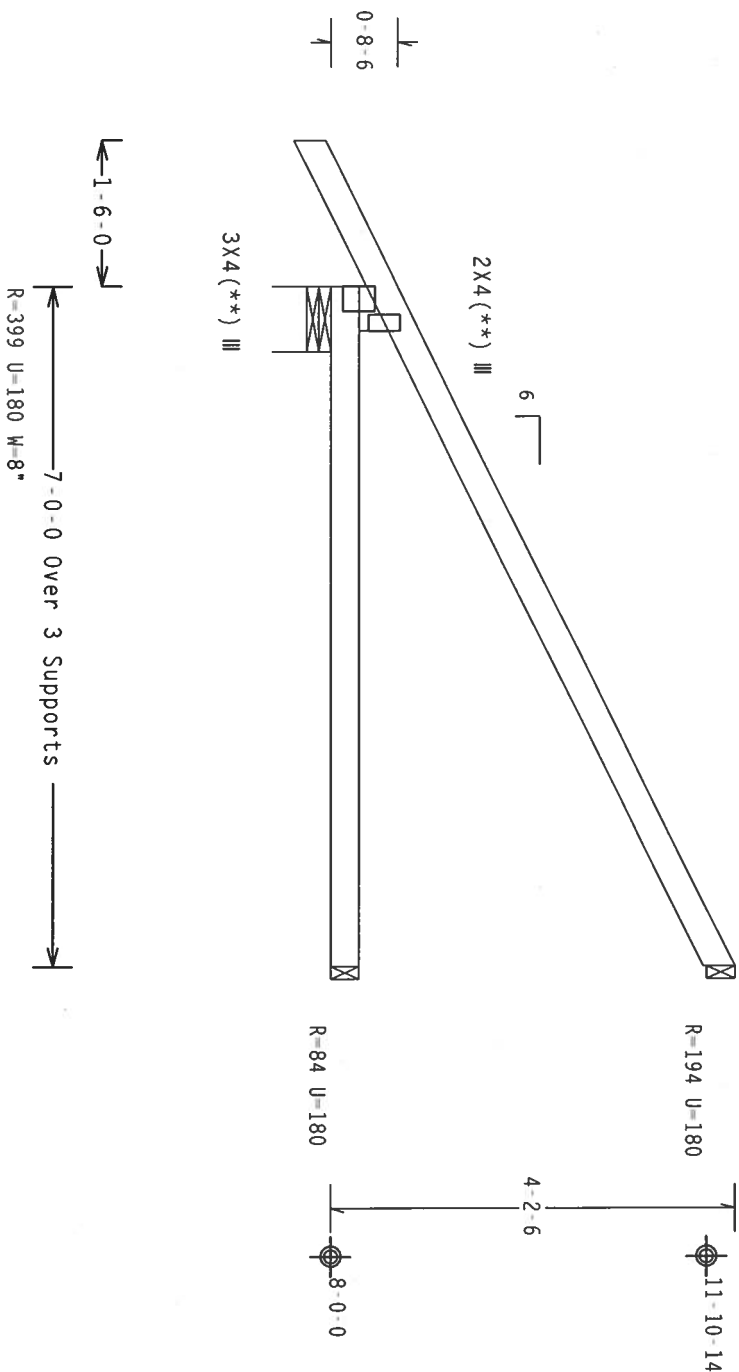
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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

(\*\*) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

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

Deflection meets  $L/240$  live and  $L/180$  total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.24.13  
PROPERTY:1

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

Scale = .5" / Ft.

\*WARNING: FRASSES REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND ORCANNING. REFER TO BCCI 1-103 (BUILDING COMPONENT CARE INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 583 D'ONOFRIO RD., SUITE 200, MOYSDEN, MI 48159, AND NCA (WOOD TRUSS COUNCIL OF AMERICA), 6500 ENTERPRISE LN, MOYSDEN, MI 48159, 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 CID CEILING.

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

TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INST

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI.

CONNECTOR PLATES ARE MADE OF 20/18/16GA (W.H/S/K) ASTM A653 GRADE 40/60 (W. K/H.S.)

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSIT

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY

DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE

**BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.**



ARTHUR R. FISHER  
LICENSE  
No. 59687  
STATE OF NEVADA  
MECHANICAL ENGINEER

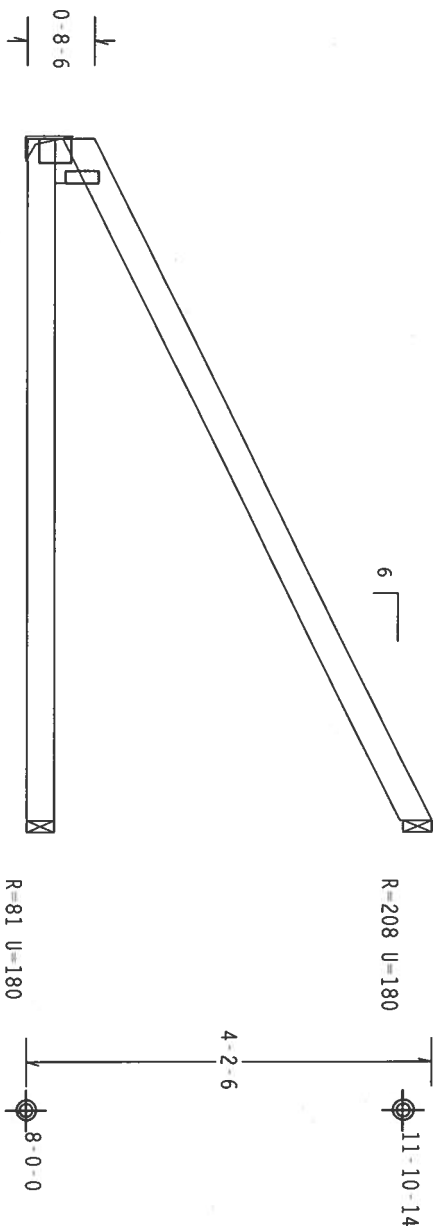
TC LL	20.0 PSF	REF	R487-- 29855
TC DL	10.0 PSF	DATE	10/13/06
BC DL	10.0 PSF	DRW	HCUSR487 06286028
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEON-	131884
DUR.FAC.	1.25		
SPACING	24.0"	JRFE-	1TJF487-201

(\*\*) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

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

Deflection meets  $L/240$  live and  $L/180$  total load. Creep increase factor for dead load is 1.50.

Deflection meets  $L/240$  live and  $L/180$  total load. Creep increase factor for dead load is 1.50.



1.5X4(\*\*) III

7-0-0 Over 3 Supports  $R=288$   $U=180$

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

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

7.24.1

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

Scale = .5" / Ft.

\* \* \*WARNING: \*\*RUSSES REQUIRE EXTREME CARE IN IDENTIFYING, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO GC-1 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPJ (TRUSS PLANET INSTITUTE, 5809 S O'NEIRO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LN, MADISON, WI 53719) FOR PROPER PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED CEILING TIGHTENED CEILING.

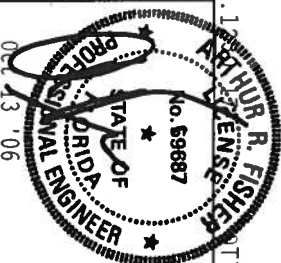
\*\*\*IMPORTANT\*\*\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR

ALPINE ENGINEERED

ALPINE

Alpine Engineered Products, Inc.

1920 Mahoney Drive  
Haines City, FL 33844  
Certification # 500



TC LL	20.0 PSF	REF	R487 - 29856
TC DL	10.0 PSF	DATE	10/13/06
BC DL	10.0 PSF	DRW	HCUSR487 06286020
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	131890
DUR.FAC.	1.25		
SPACING	24.0"	ORFF -	1TLF487 201



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

Wind reactions based on MMFRS pressures.

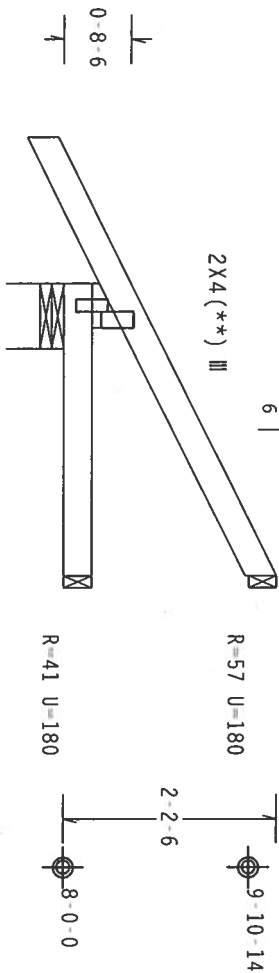
In lieu of structural panels or rigid ceiling use purlins to brace TC  
@ 24" OC, BC @ 24" OC.

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 plate(s) require special positioning. Refer to scaled plate  
plot details for special positioning requirements.

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

Deflection meets L/240 live and L/180 total load. Creep increase  
factor for dead load is 1.50.



1-6-0

3-0-0 Over 3 Supports  
R=249 U=180 W=8"

PLT TYP. Wave

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 BCST 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE AMERICAN INSTITUTE OF  
STRUCTURAL ENGINEERS, 1801 N. LINCOLN, SUITE 200, MADISON, WI 53719 AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN,  
MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED,  
TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED  
RIGID CEILING.

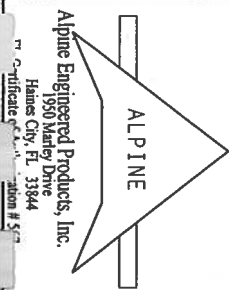
\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED  
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE  
TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.  
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE  
ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN, POSITION PER DRAWINGS 160A, 2,  
160B, 160C, 160D, 160E, 160F, 160G, 160H, 160I, 160J, 160K, 160L, 160M, 160N, 160O, 160P, 160Q, 160R, 160S, 160T, 160U, 160V, 160W, 160X, 160Y, 160Z, 160AA, 160AB, 160AC, 160AD, 160AE, 160AF, 160AG, 160AH, 160AI, 160AJ, 160AK, 160AL, 160AM, 160AN, 160AO, 160AP, 160AQ, 160AR, 160AS, 160AT, 160AU, 160AV, 160AW, 160AX, 160AY, 160AZ, 160BA, 160BB, 160BC, 160BD, 160BE, 160BF, 160BG, 160BH, 160BI, 160BJ, 160BK, 160BL, 160BM, 160BN, 160BO, 160BP, 160BQ, 160BR, 160BS, 160BT, 160BU, 160BV, 160BW, 160BX, 160BY, 160BZ, 160CA, 160CB, 160CC, 160CD, 160CE, 160CF, 160CG, 160CH, 160CI, 160CJ, 160CK, 160CL, 160CM, 160CN, 160CO, 160CP, 160CQ, 160CR, 160CS, 160CT, 160CU, 160CV, 160CW, 160CX, 160CY, 160CZ, 160DA, 160DB, 160DC, 160DD, 160DE, 160DF, 160DG, 160DH, 160DI, 160DJ, 160DK, 160DL, 160DM, 160DN, 160DO, 160DP, 160DQ, 160DR, 160DS, 160DT, 160DU, 160DV, 160DW, 160DX, 160DY, 160DZ, 160EA, 160EB, 160EC, 160ED, 160EE, 160EF, 160EG, 160EH, 160EI, 160EJ, 160EK, 160EL, 160EM, 160EN, 160EO, 160EP, 160EQ, 160ER, 160ES, 160ET, 160EU, 160EV, 160EW, 160EX, 160EY, 160EZ, 160FA, 160FB, 160FC, 160FD, 160FE, 160FF, 160FG, 160FH, 160FI, 160FJ, 160FK, 160FL, 160FM, 160FN, 160FO, 160FP, 160FQ, 160FR, 160FS, 160FT, 160FU, 160FV, 160FW, 160FX, 160FY, 160FZ, 160GA, 160GB, 160GC, 160GD, 160GE, 160GF, 160GG, 160GH, 160GI, 160GJ, 160GK, 160GL, 160GM, 160GN, 160GO, 160GP, 160GQ, 160GR, 160GS, 160GT, 160GU, 160GV, 160GW, 160GX, 160GY, 160GZ, 160HA, 160HB, 160HC, 160HD, 160HE, 160HF, 160HG, 160HH, 160HI, 160HJ, 160HK, 160HL, 160HM, 160HN, 160HO, 160HP, 160HQ, 160HR, 160HS, 160HT, 160HU, 160HV, 160HW, 160HX, 160HY, 160HZ, 160IA, 160IB, 160IC, 160ID, 160IE, 160IF, 160IG, 160IH, 160II, 160IJ, 160IK, 160IL, 160IM, 160IN, 160IO, 160IP, 160IQ, 160IR, 160IS, 160IT, 160IU, 160IV, 160IW, 160IX, 160IY, 160IZ, 160JA, 160JB, 160JC, 160JD, 160JE, 160JF, 160JG, 160JH, 160JI, 160JJ, 160JK, 160JL, 160JM, 160JN, 160JO, 160JP, 160JQ, 160JR, 160JS, 160JT, 160JU, 160JV, 160JW, 160JX, 160JY, 160JZ, 160KA, 160KB, 160KC, 160KD, 160KE, 160KF, 160KG, 160KH, 160KI, 160KJ, 160KK, 160KL, 160KM, 160KN, 160KO, 160KP, 160KQ, 160KR, 160KS, 160KT, 160KU, 160KV, 160KW, 160KX, 160KY, 160KZ, 160LA, 160LB, 160LC, 160LD, 160LE, 160LF, 160LG, 160LH, 160LI, 160LJ, 160LK, 160LL, 160LM, 160LN, 160LO, 160LP, 160LQ, 160LR, 160LS, 160LT, 160LU, 160LV, 160LW, 160LX, 160LY, 160LZ, 160MA, 160MB, 160MC, 160MD, 160ME, 160MF, 160MG, 160MH, 160MI, 160MJ, 160MK, 160ML, 160MN, 160MO, 160MP, 160MQ, 160MR, 160MS, 160MT, 160MU, 160MV, 160MW, 160MX, 160MY, 160MZ, 160NA, 160NB, 160NC, 160ND, 160NE, 160NF, 160NG, 160NH, 160NI, 160NJ, 160NK, 160NL, 160NM, 160NO, 160NP, 160NQ, 160NR, 160NS, 160NT, 160NU, 160NV, 160NW, 160NX, 160NY, 160NZ, 160OA, 160OB, 160OC, 160OD, 160OE, 160OF, 160OG, 160OH, 160OI, 160OJ, 160OK, 160OL, 160OM, 160ON, 160OO, 160OP, 160OQ, 160OR, 160OS, 160OT, 160OU, 160OV, 160OW, 160OX, 160OY, 160OZ, 160PA, 160PB, 160PC, 160PD, 160PE, 160PF, 160PG, 160PH, 160PI, 160PJ, 160PK, 160PL, 160PM, 160PN, 160PO, 160PP, 160PQ, 160PR, 160PS, 160PT, 160PU, 160PV, 160PW, 160PX, 160PY, 160PZ, 160QA, 160QB, 160QC, 160QD, 160QE, 160QF, 160QG, 160QH, 160QI, 160QJ, 160QK, 160QL, 160QM, 160QN, 160QO, 160QP, 160QQ, 160QR, 160QS, 160QT, 160QU, 160QV, 160QW, 160QX, 160QY, 160QZ, 160RA, 160RB, 160RC, 160RD, 160RE, 160RF, 160RG, 160RH, 160RI, 160RJ, 160RK, 160RL, 160RM, 160RN, 160RO, 160RP, 160RQ, 160RR, 160RS, 160RT, 160RU, 160RV, 160RW, 160RX, 160RY, 160RZ, 160SA, 160SB, 160SC, 160SD, 160SE, 160SF, 160SG, 160SH, 160SI, 160SJ, 160SK, 160SL, 160SM, 160SN, 160SO, 160SP, 160SQ, 160SR, 160SS, 160ST, 160SU, 160SV, 160SW, 160SX, 160SY, 160SZ, 160TA, 160TB, 160TC, 160TD, 160TE, 160TF, 160TG, 160TH, 160TI, 160TJ, 160TK, 160TL, 160TM, 160TN, 160TO, 160TP, 160TQ, 160TR, 160TS, 160TT, 160TU, 160TV, 160TW, 160TX, 160TY, 160TZ, 160UA, 160UB, 160UC, 160UD, 160UE, 160UF, 160UG, 160UH, 160UI, 160UJ, 160UK, 160UL, 160UM, 160UN, 160UO, 160UP, 160UQ, 160UR, 160US, 160UT, 160UU, 160UV, 160UW, 160UX, 160UY, 160UZ, 160VA, 160VB, 160VC, 160VD, 160VE, 160VF, 160VG, 160VH, 160VI, 160VJ, 160VK, 160VL, 160VM, 160VN, 160VO, 160VP, 160VQ, 160VR, 160VS, 160VT, 160VU, 160VV, 160VW, 160VX, 160VY, 160VZ, 160WA, 160WB, 160WC, 160WD, 160WE, 160WF, 160WG, 160WH, 160WI, 160WJ, 160WK, 160WL, 160WM, 160WN, 160WO, 160WP, 160WQ, 160WR, 160WS, 160WT, 160WU, 160WV, 160WW, 160WX, 160WY, 160WZ, 160XA, 160XB, 160XC, 160XD, 160XE, 160XF, 160XG, 160XH, 160XI, 160XJ, 160XK, 160XL, 160XM, 160XN, 160XO, 160XP, 160XQ, 160XR, 160XS, 160XT, 160XU, 160XV, 160XW, 160XX, 160XY, 160XZ, 160YA, 160YB, 160YC, 160YD, 160YE, 160YF, 160YG, 160YH, 160YI, 160YJ, 160YK, 160YL, 160YM, 160YN, 160YO, 160YP, 160YQ, 160YR, 160YS, 160YT, 160YU, 160YV, 160YW, 160YX, 160YY, 160YZ, 160ZA, 160ZB, 160ZC, 160ZD, 160ZE, 160ZF, 160ZG, 160ZH, 160ZI, 160ZJ, 160ZK, 160ZL, 160ZM, 160ZN, 160ZO, 160ZP, 160ZQ, 160ZR, 160ZS, 160ZT, 160ZU, 160ZV, 160ZW, 160ZX, 160ZY, 160ZZ



FL/-/4/-/R/-

Scale = .5"/ft.

TC LL	20.0 PSF	REF R487-- 29858
TC DL	10.0 PSF	DATE 10/13/06
BC DL	10.0 PSF	DRW HCUSR487 06286022
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEON- 131878
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 111F487_201



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

Wind reactions based on MMFRS pressures.

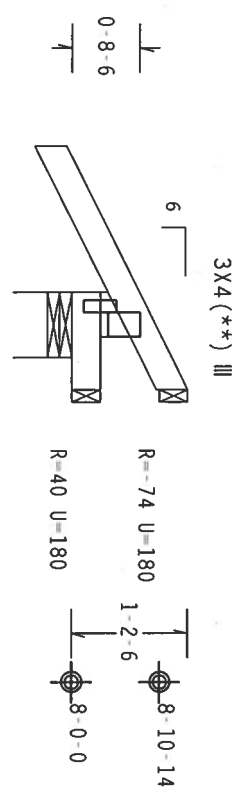
In lieu of structural panels or rigid ceiling use purlins to brace TC  
@ 24" OC, BC @ 24" OC.

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

(\*\*) 2 plate(s) require special positioning. Refer to scaled plate  
plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located  
anywhere in roof, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0  
psf.

Deflection meets L/240 live and L/180 total load. Creep increase  
factor for dead load is 1.50.



1.5X4(\*\*) III

1-6-0 over 3 Supports  
R=217 U=180 W=8"

PLT TYP. Wave

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

7.24.1

FL/-/4/-/R/-

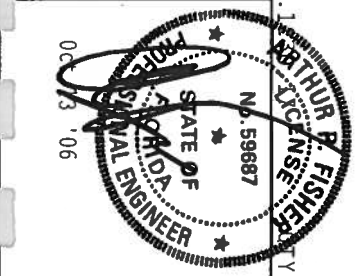
Scale =.5"/ft.

\*\*WARNING\*\* TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.  
REFER TO BCSP, 1990 EDITION, CHAPTER 10, SECTION 10.1.1, AND AISC 308, 1989 EDITION, SECTION 10.1.1, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED,  
TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED  
RIGID CEILING.

\*\*IMPORTANT\*\* TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED  
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE  
TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.  
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY 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 DRAWING 160A.2.  
DIMENSION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A.3 OF TPI-2002 SEC.3.3. A SEAL ON THIS  
DRAWING INDICATES THE SUITABILITY OF AND SIZE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE  
BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844  
Office of the Engineer  
License # 59687



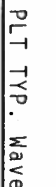
TC LL	20.0 PSF	REF R487-- 29859
TC DL	10.0 PSF	DATE 10/13/06
BC DL	10.0 PSF	DRW HCUSR487 06286023
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEON- 131872
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 11TF487 207

THE UNIVERSITY OF CHICAGO PRESS

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

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

Deflection meets  $L/240$  live and  $L/180$  total load. Creep increase factor for dead load is 1.50.


$$Cq/RT=1.00(1.25)/10(0) \quad 7.24.12$$

Scale = .5" / Ft.

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

Oct 13 '06

11

TC LL	20.0 PSF	REF	R487 - - 29860
TC DL	10.0 PSF	DATE	10/13/06
BC DL	10.0 PSF	DRW	HCUSR487 06286024
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN -	131933
DUR.FAC.	1.25		
SPACING	24.0"	ORFF -	1T1F487 201

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

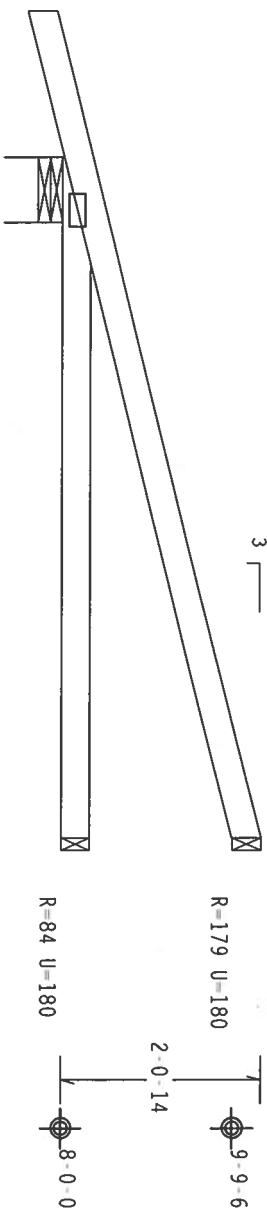
Wind reactions based on MMFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

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

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



← 1-6-0 →

← 7-0-0 Over 3 Supports →

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.24.1

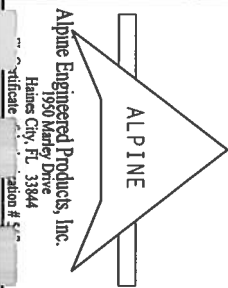
TY: 1

FL/-/4/-/R/-

Scale = .5"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51.1(3) (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., SUITE 200, MADISON, WI 53719, AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-2002 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 AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 160A-2. APPLICATION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3.3. A SEAL ON THIS DRAWING INDICATES THE SEAL OF A PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SEAL OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844  
Phone: 888-333-3333  
Fax: 888-333-3333  
Website: www.alpine-engineered.com

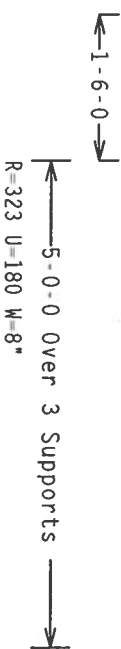
TC LL	20.0 PSF	REF	R487 - 29861
TC DL	10.0 PSF	DATE	10/13/06
BC DL	10.0 PSF	DRW	HCUSR487 06286004
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEON-	131909
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1TIF487_201



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

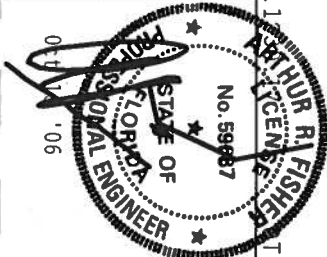
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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.



Scale = .5"/Ft.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



TC LL	20.0 PSF	REF	R487 - 29862
TC DL	10.0 PSF	DATE	10/13/06
BC DL	10.0 PSF	DRW	HCU8487 06286005
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	40.0 PSF	SEQN-	131913
DUR.FAC.	1.25		
SPACING	24.0"	JRFF-	1T1R487_201



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

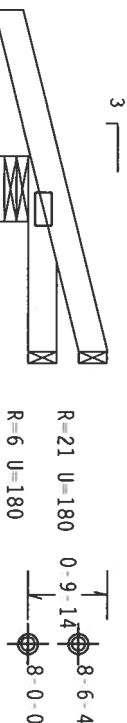
Wind reactions based on MMFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

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

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



1-6-0

2-0-0 over 3 Supports

R=231 U=180 W=8"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.24.1

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. INSTRUCTIONS FOR THE FABRICATOR, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES ARE PROVIDED ON THE TRUSS PLATE. THE FABRICATOR, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES MUST FOLLOW THE INSTRUCTIONS AND 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 AND BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/Y) ASTM A653 GRADE 40/60 (Y, 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 AMES A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOCIETY FOR THE TRUSS COMPONENT DESIGN SPECIFICATIONS. THE SIGNATURE AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMES/TPI 1 SEC. 2.



FL/-/4/-/1-/R/-

Scale = .5"/ft.

TC LL	20.0 PSF	REF R487-- 29864
TC DL	10.0 PSF	DATE 10/13/06
BC DL	10.0 PSF	DRW HCUSR487 06286007
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	40.0 PSF	SEON- 131924
DUR.FAC.	1.25	
SPACING	24.0"	
DRF- ITT487 201		

Top chord 2x4 SP #2 Dense  
Bot chord 2x8 SP #1 Dense  
Webs 2x4 SP #3

SPECIAL LOADS

-----LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)  
TC - From 62 PLF at 0.00 to 62 PLF at 15.00  
BC - From 20 PLF at 0.00 to 20 PLF at 15.00  
BC - 1207 LB Conc. Load at 1.94, 3.94, 5.94, 7.94, 9.94  
11.94, 13.94

Wind reactions based on MMFRS pressures.

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

LOADING HAS BEEN CALCULATED BY THE TRUSS MANUFACTURER.  
IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO  
VERIFY AND APPROVE THE LOADING.

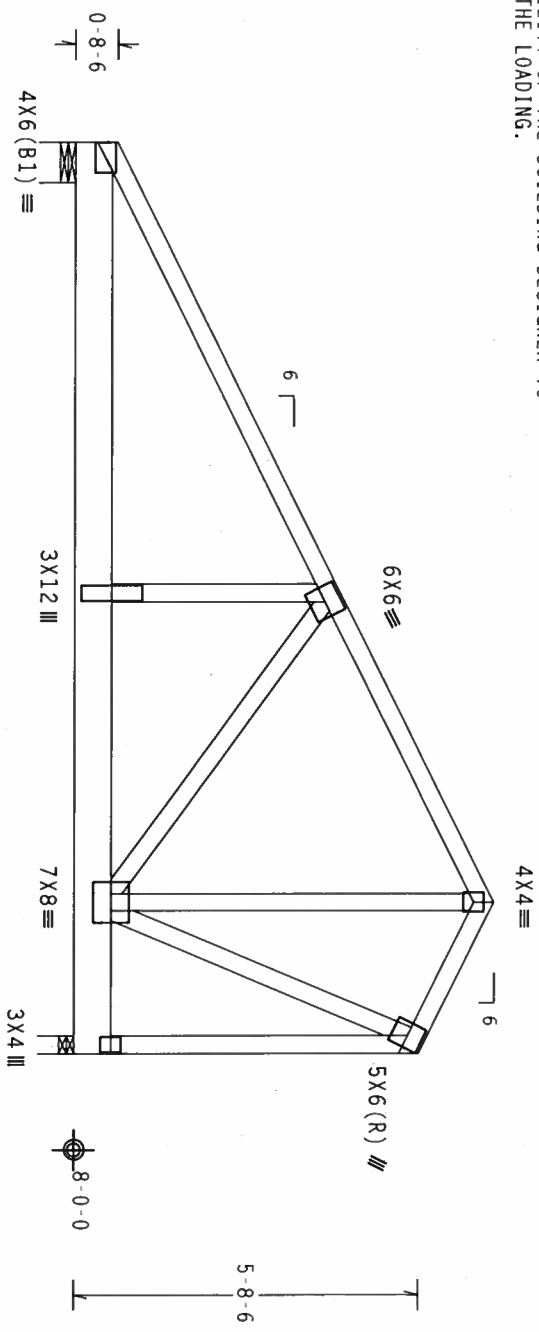
2 COMPLETE TRUSSES REQUIRED

Nailling Schedule: (12d Common (0.148"x3.25", min.)\_nails)  
Top Chord: 1 Row @12.00" o.c.  
Bot Chord: 1 Row @3.25" o.c.  
Webs : 1 Row @ 4" o.c.  
Use equal spacing between rows and stagger nails  
in each row to avoid splitting.

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

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase  
factor for dead load is 1.50.



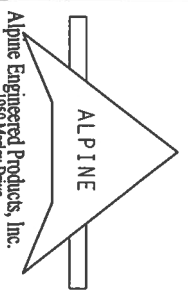
12-6-0  
15-0-0 Over 2 Supports  
R=4641 U=420 W=8"  
2-6-0  
R=5044 U=485 W=3.5"

PLT TYP. Wave

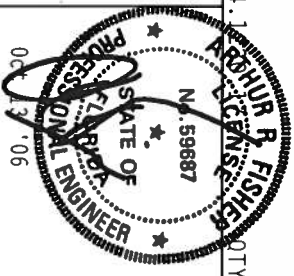
Design Cmt: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.  
REFER TO BC511-03 BUILDING CODE, MINIMUM SAFETY PRACTICES AND THE NATIONAL TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE BL.  
D'ONOFIO DR., SUITE 200, MADISON, WI 53719, AND WICA (WOOD TRUSS COUNCIL OF AMERICA) 6200 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 AREA) AND TPI. ALPINE  
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2.  
CONNECTIONS TO PLATES FOLLOWED BY (1) SHALL BE PER ANNEA AS OF 1/11/2002 SEC.3. A SEAL ON THIS  
DRAWING SHALL BE REQUIRED BY THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE  
RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS COMPONENT  
DRAWING SHOWN. THE SUITABILITY OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE  
BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844  
Certified by State of Florida License # 111487



FL/-/4/-/R/-		Scale = .3125"/ft.	
TC LL	20.0 PSF	REF	R487 - 29865
TC DL	10.0 PSF	DATE	10/13/06
BC DL	10.0 PSF	DRW	HCUSR487 06286025
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEON-	131967
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	111487_201

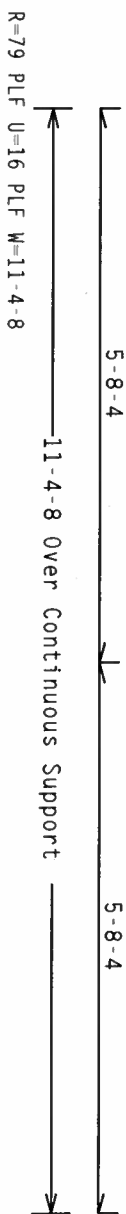
THIS WORK PREPARED FROM COMPUTERS) SUBMITTED BY IRINA PRK.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

See DWG VALTRUSS0405 for valley

See DWG VALTRUSS0405 for valley details.



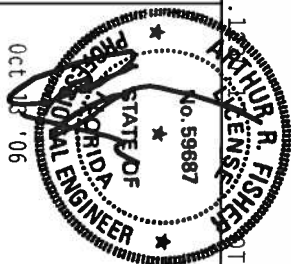
Design Crit: TPI-2002(STD)/FBC

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

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

Alpine Engineered Products, Inc.

**1950 Marley Drive**  
**Haines City, FL 33844**



FL/-/4/-/-/R/-		Scale = .5"/Ft.
TC LL	20.0 PSF	REF R487 - 29866
TC DL	10.0 PSF	DATE 10/13/06
BC DL	10.0 PSF	DRW HCUR487 06286008
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	40.0 PSF	SEQN - 132036
DUR.FAC.	1.25	
SPACING	24.0"	DRFF - 1T1F487_201

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

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

HEM-FIR	
#1 & BTR	
#1	

SOUTHERN PINE	
#1	
#2	

DOUGLAS FIR-LARCH	
#1	
#2	

LIVE LOAD DEFLECTION CRITERIA IS  $1/240$ .  
 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.

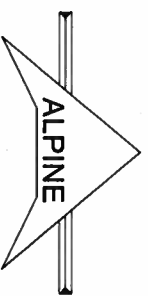
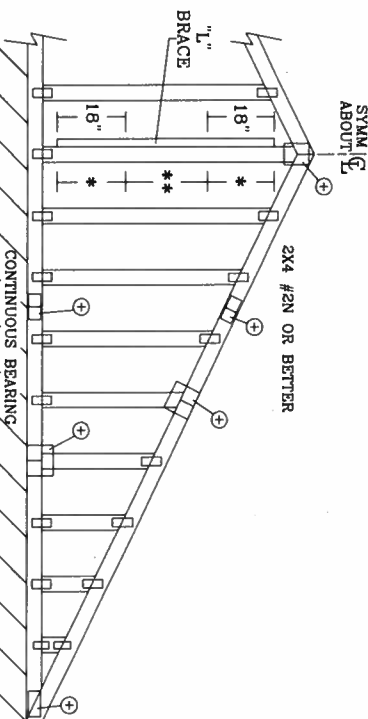
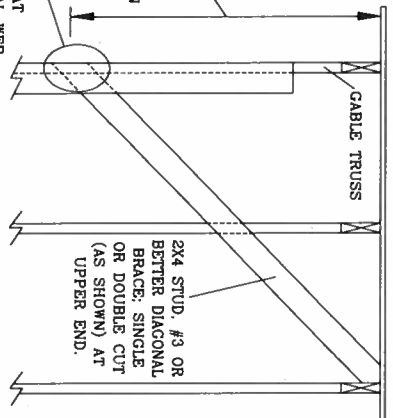
GABLE VERTICAL PLATE SIZES	
VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1x4 OR 2x3
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2x4
GREATER THAN 11' 6"	2.5x4

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

2x4 STUD, #3 OR BETTER DIAGONAL BRACE, SINGLE OR DOUBLE CUT (AS SHOWN) AT UPPER END.

VERTICAL LENGTH SHOWN TABLE ABOVE.

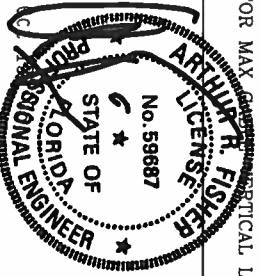
CONNECT DIAGONAL AT MIDPOINT OF VERTICAL WEB.



**ALPINE ENGINEERED PRODUCTS, INC.  
POMPAN0 BEACH, FLORIDA**

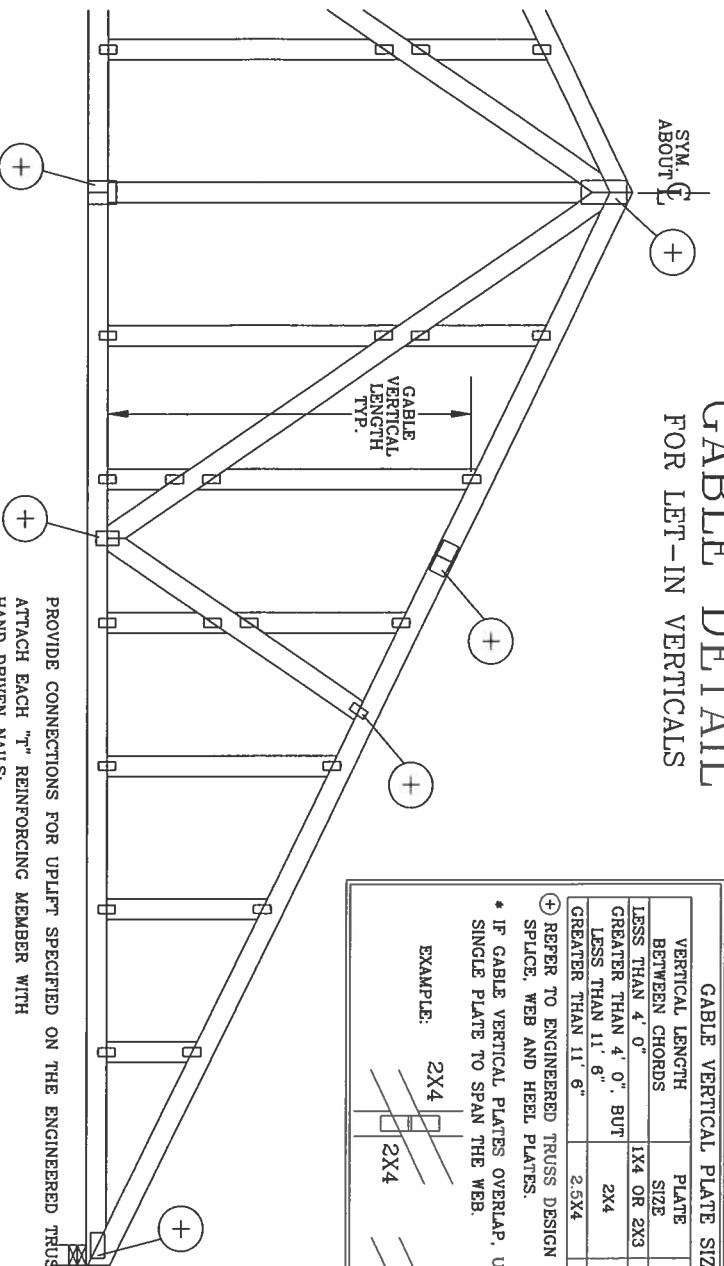
\*\*\*WARNING\*\*\* TRUSSES REQUIRING EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND  
 BRACING. REFER TO BECI-1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS  
 PLATE INSTITUTE, 583 DUNFORD RD., SUITE 200, MADISON, WI 53719) AND VITA (VOID TRUSS COUNCIL  
 OF AMERICA, 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 TRUSSES IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING &  
 BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC.  
 BY AIA/CES) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/1664 (V/H/S/X) ASTM A663 GRADE  
 40/60/62 DESIGN STRENGTH STEEL. APPLICATIONS TO EACH PAIR OF TRUSS AND UNLESS OTHERWISE LOCATED  
 OR OTHERWISE SPECIFIED, ALL TRUSS PLATES SHALL BE PER ANEX A3 OF TPI 1-2008 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF  
 PROFESSIONAL ENGINEERING RESPONSIBILITY. SEE TPI 1-2008 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF  
 LIABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING  
 DESIGNER. PER ANSI/TPI 1 SEC. 2.



REF	ASCET-02-CAB11015
DATE	04/15/05
DRWG	A11015EE0405
-ENG	
MAX. TOT. LD. 60 PSF	
MAX. SPACING 24.0"	

# CABLE DETAIL FOR LET-IN VERTICALS



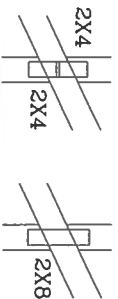
GABLE VERTICAL PLATE SIZES

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, SPLICE, WEB AND HEEL PLATES.

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

EXAMPLE:



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.  
ATTACH EACH "T" REINFORCING MEMBER WITH  
HAND DRIVEN NAILS:  
10d COMMON (0.148" X 3" MIN) TOENAILS AT 4" O.C. PLUS  
(4) 16d COMMON (0.162" X 3.5" MIN) TOENAILS IN TOP AND BOTTOM CHORD.  
8d COMMON (0.131" X 2.5" MIN) 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  
A11015ENI103, A10015ENI103, A09015ENI103, A08015ENI103, A07015ENI103  
A11030ENI103, A10030ENI103, A09030ENI103, A08030ENI103, A07030ENI103  
ASCE 7-98 GABLE DETAIL, DRAWINGS  
A13015ECI103, A12015ECI103, A11015ECI103, A08515ECI103  
A13030ECI103, A12030ECI103, A11030ECI103, A08530ECI103  
ASCE 7-02 GABLE DETAIL, DRAWINGS  
A13015EED0405, A12015EED0405, A11015EED0405, A08515EED0405,  
A13030EED0405, A12030EED0405, A11030EED0405, A08530EED0405

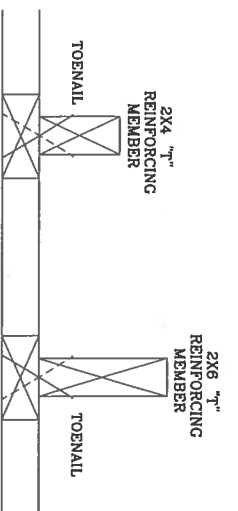
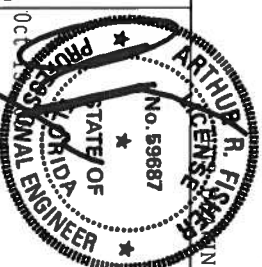
SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCCI WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.

\*\*VARIATIONS\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 583 DOWNSIDE DR., SUITE 200, MADISON, WI 53719 AND VITA CYCLOD 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 CONTRACTORS WITH APPLICABLE PROVISIONS OF NDS NATIONAL DESIGN SPEC. BY AEPD) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/1664 (V4/H/4) ASTM A653 GRADE 40/60 (V4/H/4) 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 CD SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. A SEAL FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SEALING OF THIS DRAWING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



ALPINE ENGINEERED PRODUCTS, INC.  
POMPAHO BEACH, FLORIDA



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

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

## WEB LENGTH INCREASE W/ "T" BRACE

WIND SPEED AND MPH	"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 %	30 %
15 FT	2x6	10 %	20 %
80 MPH	2x4	20 %	10 %
30 FT	2x6	20 %	40 %
70 MPH	2x4	0 %	20 %
15 FT	2x6	0 %	20 %
70 MPH	2x4	10 %	30 %

EXAMPLE:

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

REPLACES DRAWINGS GAB98117 876,719 & HC26294035

REF	LET-IN VERT
DATE	04/14/05
DRWG	GBLETTINO405
-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.

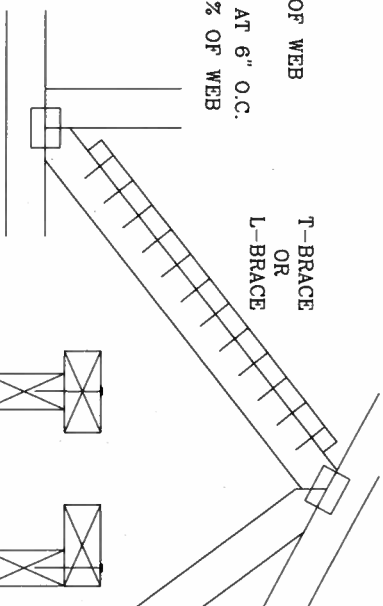
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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.

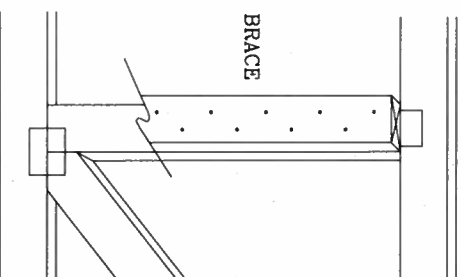
## T-BRACING OR L-BRACING:

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



## 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

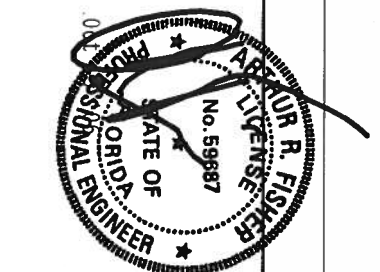


THIS DRAWING REPLACES DRAWING 579,640

ALPINE ENGINEERED PRODUCTS, INC.  
POMPANO BEACH, FLORIDA

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

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TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	11/26/03
BC DL	PSF	DRWG	BROCLSUB1103
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			



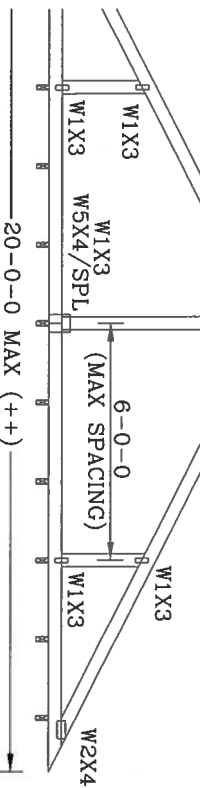
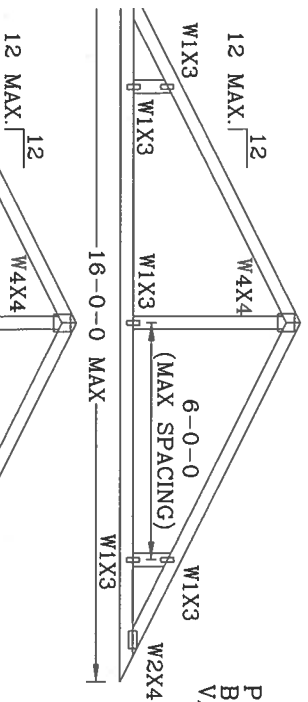
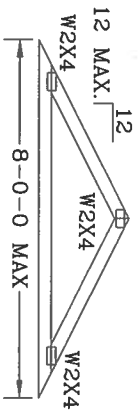
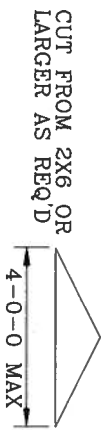
# VALLEY TRUSS DETAIL

TOP CHORD 2X4 SP #2 OR SPF #1/#2 OR BETTER.  
BOT CHORD 2X3(\*) OR 2X4 SP #2N OR SPF #1/#2 OR BETTER.  
WEBS 2X4 SP #3 OR BETTER.

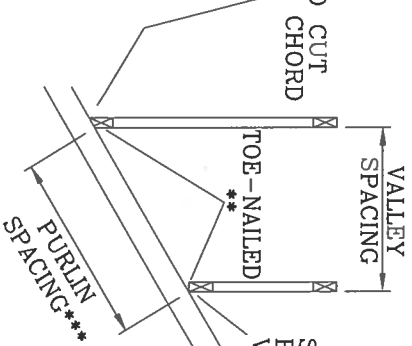
\* 2X3 MAY BE RIPPED FROM A 2X6 (PITCHED OR SQUARE).

\*\* ATTACH EACH VALLEY TO EVERY SUPPORTING TRUSS WITH:

(2) 16d BOX (0.135" X 3.5") NAILS TOE-NAILED FOR  
SBC 110 MPH, ASCE 7-93 110 MPH WIND OR ASCE 7-98,  
OR ASCE 7-02 130 MPH WIND. 15' MEAN HEIGHT, ENCLOSED  
BUILDING, EXP. C, RESIDENTIAL, WIND TC DL=5 PSF.

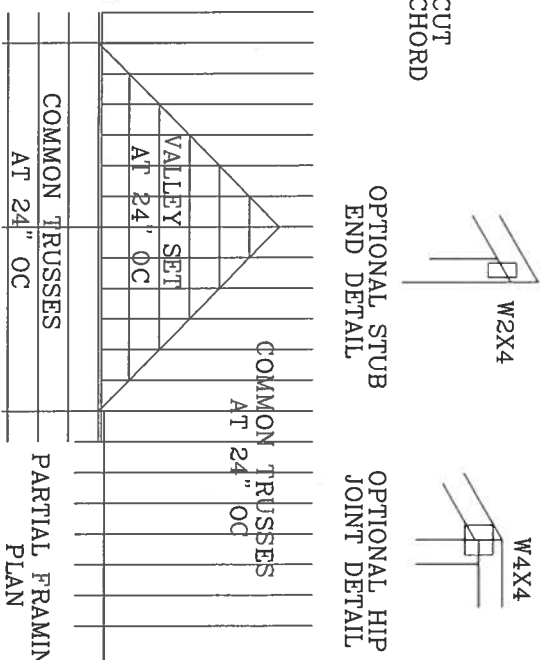


SUPPORTING TRUSSES AT 24" OC MAXIMUM SPACING.



\*\*\* NOTE THAT THE PURLIN SPACING FOR BRACING THE TOP CHORD OF THE TRUSS BENEATH THE VALLEY IS MEASURED ALONG THE SLOPE OF THE TOP CHORD.  
++ LARGER SPANS MAY BE BUILT AS LONG AS THE VERTICAL HEIGHT DOES NOT EXCEED 12'0".  
BOTTOM CHORD MAY BE SQUARE OR PITCHED CUT AS SHOWN.

MAXIMUM VALLEY VERTICAL HEIGHT MAY NOT EXCEED 12'0".  
TOP CHORD OF TRUSS BENEATH VALLEY SET MUST BE BRACED WITH:  
PROPERLY ATTACHED, RATED SHEATHING APPLIED PRIOR TO VALLEY TRUSS  
INSTALLATION  
OR  
PURLINS AT 24" OC OR AS OTHERWISE SPECIFIED ON ENGINEERS' SEALED DESIGN  
OR  
BY VALLEY TRUSSES USED IN LIEU OF PURLIN SPACING AS SPECIFIED ON  
ENGINEERS' SEALED DESIGN.



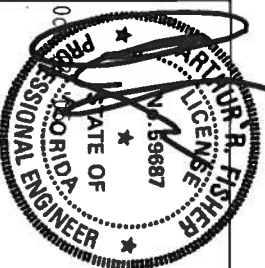
COMMON TRUSSES AT 24" OC  
PARTIAL FRAMING PLAN

THIS DRAWING REPLACES DRAWING A105

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POMPAHO BEACH, FLORIDA

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TC LL	30	30	40 PSF	REF	VALLEY DETAIL
TC DL	20	15	7 PSF	DATE	04/14/05
BC DL	10	10	10 PSF	DRWG	VALTRUSS0405
BC LL	0	0	0 PSF	-ENG	MLH/KAR
TOT. LD.	60	55	57 PSF		
DUR.FAC.	1.25/1.33	1.15/1.15			
SPACING	24"				

# Notice of Intent for Preventative Treatment for Termites

(As required by Florida Building Code 104.2.6)

Date: 11/28/06

Lot 10 Lakewood Estates

(Address of Treatment or Lot/Block of Treatment)

Lake City  
City

## Florida Pest Control & Chemical Co.

[www.flapest.com](http://www.flapest.com)

Product to be used: Bora-Care Termiticide (Wood Treatment)

Chemical to be used: 23% Disodium Octaborate Tetrahydrate

Application will be performed onto structural wood at dried-in stage of construction. Bora-Care Termiticide application shall be applied according to EPA registered label directions as stated in the Florida Building Code Section 1816.1

(Information to be provided to local building code offices prior to concrete foundation installation.)