

DATE04/25/2006

Columbia County Building Permit

PERMIT000024426

This Permit Expires One Year From the Date of Issue

APPLICANTPATRICIA MCFEE

PHONE561 601-6540

ADDRESS117NW BRONCO TERRLAKE CITYFL32055

OWNERPATRICIA MCFEE

PHONE561 601-6540

ADDRESS175NW BRONCO TERRLAKE CITYFL32055

CONTRACTOROWNER BUILDER

PHONE

LOCATION OF PROPERTYLAKE JEFFERY, TR ON BRONCO TERR,2ND LOT ON RIGHT

TYPE DEVELOPMENTSFD,UTILITYESTIMATED COST OF CONSTRUCTION88100.00

HEATED FLOOR AREATOTAL AREAHEIGHTSTORIES

1762.002664.00191

FOUNDATIONCONCWALLSFRAMEDROOF PITCH6/12FLOORSLAB

LAND USE & ZONINGA-3MAX. HEIGHT19

Minimum Set Back Requirments:STREET-FRONT30.00REAR25.00SIDE25.00

NO. EX.D.U.0FLOOD ZONEXDEVELOPMENT PERMIT NO.

PARCEL ID10-3S-16-02055-034SUBDIVISIONPARNELL HILLS

LOT34BLOCKPHASEUNITTOTAL ACRES

Culvert Permit No.Culvert WaiverContractor's License NumberApplicant/Owner/Contractor

EXISTING06-0319-EBKBKJHY

Driveway ConnectionSeptic Tank NumberLU & Zoning checked byApproved for IssuanceNew Resident

COMMENTS:ONE FOOT ABOVE THE ROAD, NOC ON FILE, SECTION 2.3.1

MH MUST BE REMOVED BEFORE CO IS ISSUED

Check # or Cash563

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 \$445.00

CERTIFICATION FEE \$13.32

SURCHARGE FEE \$13.32

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 \$

TOTAL FEE546.64

INSPECTORS OFFICE

CLERKS OFFICE

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Columbia County Building Permit Application

Revised 9-23-04

546-64 CH# 561 -

For Office Use Only Application # 0604-26 Date Received 4-12-06 By G Permit # 24426
 Application Approved by - Zoning Official BLK Date 18-04-06 Plans Examiner OK JTH Date 4-12-06
 Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
 Comments Section 2.3.1

Applicants Name Patricia McFee Phone 561-601-6540
 Address 117 NW Bronco LAKE City, FL 32055
 Owners Name Patricia McFee Phone 561-601-6540
 111 Address 175 NW Bronco Ter. LAKE City, FL 32055
 Contractors Name N/A Owner Builder Phone _____
 Address Same
 Fee Simple Owner Name & Address N/A
 Bonding Co. Name & Address N/A
 Architect/Engineer Name & Address Mark Disosway PE
 Mortgage Lenders Name & Address N/A
 Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number 10-35-16-02055-034 Estimated Cost of Construction 100,000
 Subdivision Name Parnell Hills Lot 34 Block _____ Unit 1 Phase _____
 Driving Directions Lake Jeffery West Past Nash Rd to NW Bronco Terrace turn Right 2nd lot on Right.

Type of Construction Vinyl Frame Home Number of Existing Dwellings on Property 0
 Total Acreage 1.950 Lot Size _____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 60'6" Side 123' Side 68' Rear 276'
 Total Building Height 19'2 1/2" Number of Stories 1 Heated Floor Area 1762 SF Roof Pitch 6/12
Porch 902 TOTAL 2664

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.

Patricia D. McFee owner Builder
 Owner Builder or Agent (Including Contractor) No Contractor

STATE OF FLORIDA
 COUNTY OF COLUMBIA

I swear to (or affirmed) and subscribed before me
 this 16 day of April 2006.
 Personally known ✓ or Produced Identification _____

Contractor Signature _____
 Contractors License Number _____
 Competency Card Number _____
 NOTARY STAMP/SEAL
Brenda Terry
 Notary Signature

Brenda Terry
 My Commission DD293888
 Expires February 24, 2008

Return To:
Patrica D. McFee
117 NW Bronco Terrace
Lake City, Florida 32055

This Instrument prepared by:
Betty D. Guild and Richard D. Durham
117 NW Bronco Terrace
Lake City, Florida 32055

Inst:2006000330 Date:01/06/2006 Time:14:45
Doc Stamp-Deed : 140.00

Warranty Deed

DC, P. DeWitt Cason, Columbia County B:1070 P:1153

Date of this Document

January 5, 2006

Reference Number of Any Related Documents: 2005015672

Grantor(s):

Name

Betty D. Guild and
Richard D. Durham

Street Address

117 NW Bronco
Terrace

City/State/Zip

Lake City, Florida
32055

Grantee(s):

Name

Patricia D. McFee

Street Address

117 NW Bronco
Terrace

City/State/Zip

Lake City, Florida
32055

Abbreviated Legal Description: Township 3 South, Range 16 East, Section 10, Lot 34, Parnell Hills Unit 1, a subdivision as recorded in Plat Book 4, Pages 16-16A containing approx 1.6 acres

Assessor's Property Tax Parcel/Account Number(s): ~~02055-034~~ 1035

For good consideration, we Betty D. Guild and Richard D. Durham, of 117 NW Bronco Terrace, County of Columbia, State of Florida, hereby bargain, deed and convey to Patricia D. McFee of 117 NW Bronco Terrace, County of Columbia, State of Florida, the following described land in Columbia County, free and clear with WARRANTY COVENANTS; to wit: Lot # 34 Parnell Hills Unit1, Township 2 South, Range 16 East, Section 10, a subdivision recorded in Plat Book 4, pages 16-16A, approximately 1.6 acres.

Grantor(s), for itself and its heirs, hereby covenants with Grantee, its heirs, and assigns, that Grantor(s) is lawfully seized in fee simple of the above-described premises; that it has a good

right to convey; that the premises are free from all encumbrances; that Grantor(s) and its heirs, and all persons acquiring any interest in the property granted, through or for Grantor(s), will, on demand of Grantee, or its heirs or assigns, and at the expense of Grantee, its heirs or assigns, execute any instrument necessary for the further assurance of the title to the premises that may be reasonably required; and that Grantor(s) and its heirs will forever warrant and defend all of the property so granted to Grantee, its heirs, and assigns, against every person lawfully claiming the same or any part thereof.

Being the same property conveyed to the Grantor(s) by deed of 20002015672, dated July 1, 2005.

S. Quincy Dean
Witness Signature (as to first Grantor)

S. Quincy Dean
Printed Name

Mary Wood
Witness Signature (as to second Grantor)

MARY WOOD
Printed Name

Betty D. Guild
Grantor Signature

117 NW Bronco Terrace
Lake City, Florida 32055

Betty D. Guild
Printed Name

Richard S. Durham
Co-grantor signature

117 NW Bronco Terrace Lake city, Florida 32055

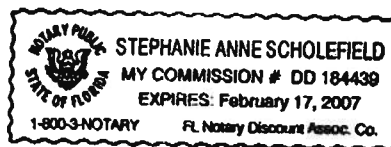
RICHARD S. DURHAM
Printed name

State of Florida
County of Columbia

On 5th of Jan; 2006 before me,
Patricia W. Mc Fee - personally known to me.
personally appeared, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Stephanie Anne Scholefield
Signature



Affiant ✓ Known Unknown

ID Produced Valid and valid drivers license.
(Seal)

Inst: 2006000330 Date: 01/06/2006 Time: 14:45
Doc Stamp-Deed : 140.00
DC, P. Dewitt Cason, Columbia County B: 1070 P: 1154



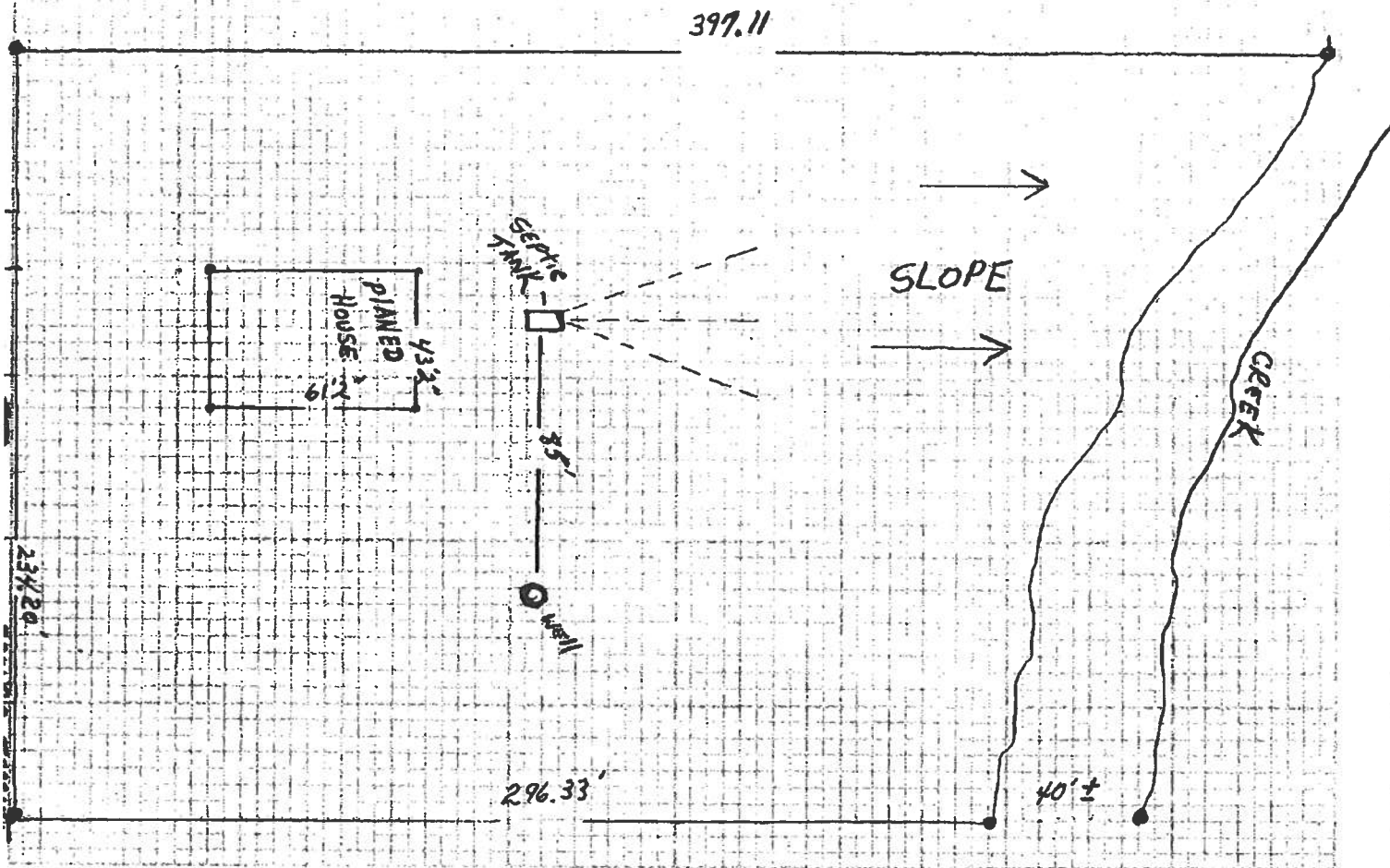
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 06-0319-E

PART II - SITE PLAN

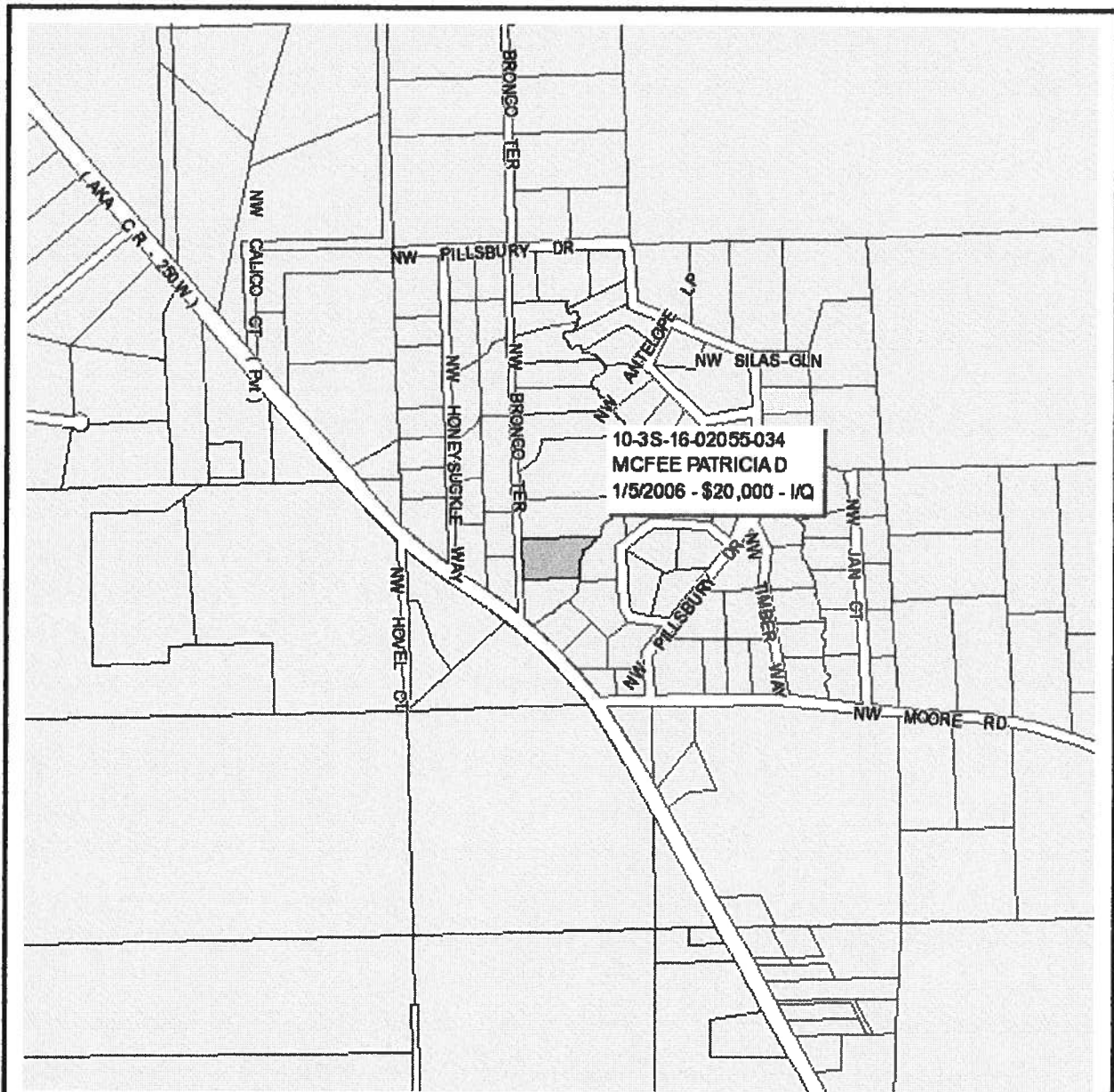
Scale: Each block represents 5 feet and 1 inch = 50 feet.



Notes: _____

Site Plan submitted by: Patricia D. McFee 3-31-06
Signature Title
Plan Approved ☒ Not Approved _____ Date 3/31/06
By [Signature] Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT



Columbia County Property Appraiser

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

PARCEL: 10-3S-16-02055-034 - MOBILE HOM (000200)

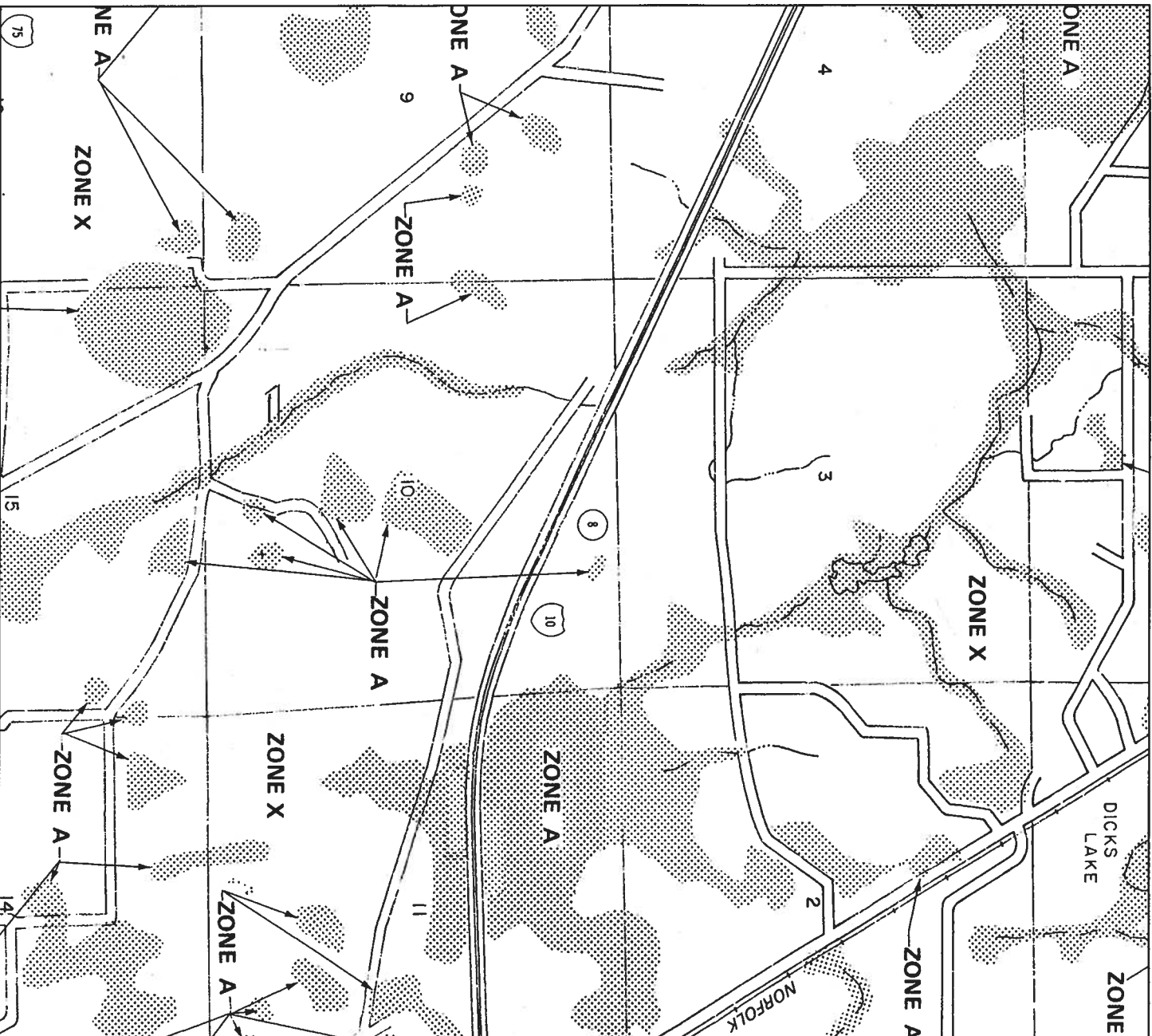
LOT 34 PARNELL HILLS S/D UNIT 1. ORB 428-245, WD 1002-2658, WD 1050-2227.

Name:	MCFEE PATRICIA D	LandVal	\$13,797.00
Site:	PARNELL HILLS UNIT 1	BldgVal	\$0.00
Mail:	117 NW BRONCO	ApprVal	\$14,447.00
	LAKE CITY, FL 32055	JustVal	\$14,447.00
Sales	1/5/2006 \$20,000.001 / Q	Assd	\$14,447.00
Info	7/17/2004 \$100.001 / U	Exmpt	\$0.00
	7/15/1997 \$100.001 / U	Taxable	\$14,447.00

0 0.07 0.14 0.21 mi



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



APPROXIMATE SCALE IN FEET



NATIONAL FLOOD INSURANCE PROGRAM

FIRM FLOOD INSURANCE RATE MAP

COLUMBIA
COUNTY,
FLORIDA
(UNINCORPORATED AREAS)

PANEL 125 OF 290

PANEL LOCATION



COMMUNITY-PANEL NUMBER
120070 0125 B
EFFECTIVE DATE:
JANUARY 6, 1988



Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT Version 1.0. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. Further information about National Flood Insurance Program flood hazard maps is available at www.fema.gov/nifis.

NOTICE OF COMMENCEMENT

STATE OF FLORIDA COUNTY OF

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

1. Description of Property: 10-35-16-02055-034 10134 Parnell Hills
Subdivision
2. General Description of Improvement: Vinyl Sided Frame Home
3. Owner Information:
 - a. Name and Address: Patricia McFee 117 NW Bronco
Lake City FL 32055
 - b. Interest in Property: Owner
 - c. Name and Address of Fee Simple Titleholder (if other than owner): N/A
4. Contractor (name and address): Owner Builder
5. Surety:
 - a. Name and Address: N/A
 - b. Amount of Bond: N/A

Inst: 2006008963 Date: 04/12/2006 Time: 13:30
DC, P. Dewitt Cason, Columbia County B: 1080 P: 1020
6. Lender (name and address): N/A
7. Persons within the State of Florida designated by owner upon whom notices or other documents may be served as provided by Florida Statutes 713.13(1)(a)(7): N/A
8. In addition to himself, owner designates: N/A
9. Expiration date of Notice of Commencement (the expiration date is 1 year from the date of recording unless a different date is specified): N/A

Patricia Darlene McFee
Type Owner Name: _____

Type Owner Name: _____

Sworn to and subscribed before me this 31 day of March, 2006.

Personally Known: ✓

Produced ID: _____

Did/Did Not Take an Oath: _____

Brenda Terry
Type Notary's Name: Brenda Terry
Notary Public, State of Florida
Commission Expiry & Number: Feb. 24, 2008



DISCLOSURE STATEMENT

FOR OWNER/BUILDER WHEN ACTING AS THEIR OWN CONTRACTOR AND CLAIMING EXEMPTION OF CONTRACTOR LICENSING REQUIREMENTS IN ACCORDANCE WITH FLORIDA STATUTES, ss. 489.103(7).

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed \$25,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F.I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

TYPE OF CONSTRUCTION

- ☐ Single Family Dwelling ☐ Two-Family Residence
☐ Farm Outbuilding ☐ Other _____
☒ New Construction ☐ Addition, Alteration, Modification or other Improvement

NEW CONSTRUCTION OR IMPROVEMENT

I Patricia McFee, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes ss.489.103(7) allowing this exception for the construction permitted by Columbia County Building Permit Number _____

Patricia D. McFee 4-6-06
Signature Date

FOR BUILDING USE ONLY

I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7).

Date _____ Building Official/Representative _____

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name:	McFEE RESIDENCE	Builder:	TRISH McFEE
Address:		Permitting Office:	COLUMBIA COUNTY
City, State:	,	Permit Number:	24426
Owner:	TRISH McFEE	Jurisdiction Number:	221000
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 36.0 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?	No	c. N/A	
6. Conditioned floor area (ft²)	1762 ft²	13. Heating systems	
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		a. PTHP	Cap: 36.0 kBtu/hr
a. U-factor: Description Area			COP: 3.70
(or Single or Double DEFAULT) 7a. (Dble Default) 186.0 ft²		b. N/A	
b. SHGC:		c. N/A	
(or Clear or Tint DEFAULT) 7b. (Clear) 284.0 ft²		14. Hot water systems	
8. Floor types		a. Electric Resistance	Cap: 40.0 gallons
a. Slab-On-Grade Edge Insulation R=0.0, 167.5(p) ft			EF: 0.93
b. N/A		b. N/A	
c. N/A		c. Conservation credits	
9. Wall types		(HR-Heat recovery, Solar	
a. Frame, Wood, Exterior R=13.2, 1223.5 ft²		DHP-Dedicated heat pump)	
b. N/A		15. HVAC credits	
c. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
d. N/A		HF-Whole house fan,	
e. N/A		PT-Programmable Thermostat,	
10. Ceiling types		MZ-C-Multizone cooling,	
a. Under Attic R=30.0, 1761.8 ft²		MZ-H-Multizone heating)	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior Sup. R=6.0, 40.0 ft			
b. N/A			

Glass/Floor Area: 0.16

Total as-built points: 17279

Total base points: 23124

PASS

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

PREPARED BY: Larry Resmondo alc

DATE: 3-28-06

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: _____



¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

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

ADDRESS: , , ,

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	1762.0	20.04	6355.9	Double, Clear	W	10.0	7.0	60.0	38.52	0.46	1056.1
				Double, Clear	N	1.5	7.0	54.0	19.20	0.96	992.2
				Single, Clear	E	10.0	8.0	77.0	47.92	0.46	1708.9
				Double, Clear	W	10.0	4.0	6.0	38.52	0.39	89.2
				Single, Clear	W	10.0	8.0	21.0	43.84	0.48	439.9
				Double, Clear	E	10.0	5.0	30.0	42.06	0.39	495.0
				Double, Clear	S	1.5	7.0	36.0	35.87	0.90	1161.0
				As-Built Total:		284.0			5942.2		
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.2		1223.5	1.48		1810.8	
Exterior	1223.5	1.70	2079.9								
Base Total: 1223.5 2079.9				As-Built Total:		1223.5			1810.8		
DOOR TYPES Area X BSPM = Points				Type	Area X SPM = Points						
Adjacent	0.0	0.00	0.0								
Exterior	0.0	0.00	0.0								
Base Total: 0.0 0.0				As-Built Total:		0.0			0.0		
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	1761.8	1.73	3047.9	Under Attic	30.0		1761.8	1.73 X 1.00		3047.9	
Base Total: 1761.8 3047.9				As-Built Total:		1761.8			3047.9		
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Slab	167.5(p)	-37.0	-6197.5	Slab-On-Grade Edge Insulation	0.0		167.5(p)	-41.20		-6901.0	
Raised	0.0	0.00	0.0								
Base Total: -6197.5				As-Built Total:		167.5			-6901.0		
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
1762.0 10.21 17990.0				1762.0 10.21 17990.0							

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

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 23276.3				Summer As-Built Points: 21889.9						
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points
23276.3	0.4266		9929.7	(sys 1: Central Unit 36000 btuh , SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS) 21890	1.00	(1.09 x 1.147 x 0.91)	0.263	1.000		6538.3
				21889.9	1.00	1.138	0.263	1.000		6538.3

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	1762.0	12.74	4040.6	Double, Clear	W	10.0	7.0	60.0	20.73	1.20	1493.0
				Double, Clear	N	1.5	7.0	54.0	24.58	1.00	1329.1
				Single, Clear	E	10.0	8.0	77.0	26.41	1.35	2740.6
				Double, Clear	W	10.0	4.0	6.0	20.73	1.23	153.3
				Single, Clear	W	10.0	8.0	21.0	28.84	1.19	721.1
				Double, Clear	E	10.0	5.0	30.0	18.79	1.45	817.3
				Double, Clear	S	1.5	7.0	36.0	13.30	1.07	511.6
				As-Built Total:				284.0	7765.9		
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.2		1223.5	3.36		4111.0	
Exterior	1223.5	3.70	4527.0								
Base Total:				As-Built Total:		1223.5		4111.0			
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	0.0	0.00	0.0								
Exterior	0.0	0.00	0.0								
Base Total:				As-Built Total:		0.0		0.0			
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	1761.8	2.05	3611.7	Under Attic	30.0		1761.8	2.05 X 1.00		3611.7	
Base Total:				As-Built Total:		1761.8		3611.7			
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	167.5(p)	8.9	1490.7	Slab-On-Grade Edge Insulation	0.0		167.5(p)	18.80		3149.0	
Raised	0.0	0.00	0.0								
Base Total:				As-Built Total:		167.5		3149.0			
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
1762.0 -0.59 -1039.6				1762.0 -0.59 -1039.6							

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:
----------------	-----------

BASE				AS-BUILT									
Winter Base Points: 12630.4				Winter As-Built Points: 17598.0									
Total Winter Points	X	System Multiplier	= Heating Points	Total Component (System - Points)	X	Cap Ratio (DM x DSM x AHU)	X	Duct Multiplier	X	System Multiplier	X	Credit Multiplier	= Heating Points
12630.4		0.6274	7924.3	(sys 1: PTHP 36000 btuh ,EFF(3.7) Ducts:Unc(S),Unc(R),Int(AH),R6.0 17598.0		1.000 (1.069 x 1.169 x 0.93)		0.270		1.000		5527.6	
12630.4		0.6274	7924.3	17598.0		1.00		1.162		0.270		1.000	5527.6

Residential Whole Building Performance Method A - Details

The Seal of the State of Florida is a circular emblem. The outer ring contains the text "GREAT SEAL OF THE STATE OF FLORIDA" at the top and "IN GOD WE TRUST" at the bottom, separated by two small stars. The central image depicts a woman in a long dress and bonnet standing on a grassy bank, looking out over a body of water. A large palm tree stands behind her. In the distance, a ship is visible on the water, and a sun with rays is rising or setting behind the horizon.

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 612.1.ABC.3.2. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.7

The higher the score, the more efficient the home.

TRISH McFEE, , , ,

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 36.0 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?	No	___	c. N/A	___
6. Conditioned floor area (ft ²)	1762 ft ²	___		___
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		___	13. Heating systems	
a. U-factor:	Description Area		a. PTHP	Cap: 36.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 186.0 ft ²	___		COP: 3.70
b. SHGC:		___	b. N/A	___
(or Clear or Tint DEFAULT)	7b. (Clear) 284.0 ft ²	___	c. N/A	___
8. Floor types		___		___
a. Slab-On-Grade Edge Insulation	R=0.0, 167.5(p) ft	___	14. Hot water systems	
b. N/A	___	___	a. Electric Resistance	Cap: 40.0 gallons
c. N/A	___	___		EF: 0.93
9. Wall types		___	b. N/A	___
a. Frame, Wood, Exterior	R=13.2, 1223.5 ft ²	___	c. Conservation credits	___
b. N/A	___	___	(HR-Heat recovery, Solar	___
c. N/A	___	___	DHP-Dedicated heat pump)	___
d. N/A	___	___	15. HVAC credits	___
e. N/A	___	___	(CF-Ceiling fan, CV-Cross ventilation,	___
10. Ceiling types		___	HF-Whole house fan,	___
a. Under Attic	R=30.0, 1761.8 ft ²	___	PT-Programmable Thermostat,	___
b. N/A	___	___	MZ-C-Multizone cooling,	___
c. N/A	___	___	MZ-H-Multizone heating)	___
11. Ducts		___		___
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 40.0 ft	___		___
b. N/A	___	___		___

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

Builder Signature: _____ Date: _____

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



***NOTE:** The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStarTM designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLRCSB v4.0)



Cal-Tech Testing, Inc.

- Engineering
- Geotechnical
- Environmental Laboratories

P.O. Box 1625 • Lake City, FL 32056-1625 • Tel(386)755-3633 • Fax(386)752-5458

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

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

24426

REPORT OF IN-PLACE DENSITY TEST

JOB NO.: 06-313
 DATE TESTED: 5/17/06
 DATE REPORTED: 5/18/06

PROJECT:		Patricia McFee Residence, Lake City, FL						
CLIENT:		Patricia McFee, 117 NW Bronco Terrace, Lake City, FL 32055						
GENERAL CONTRACTOR:		Patricia McFee						
EARTHWORK CONTRACTOR:		Patricia McFee						
INSPECTOR:		John Osteen						
ASTM METHOD		SOIL USE						
(D-2922) Nuclear		BUILDING FILL						
SPECIFICATION REQUIREMENTS:		95%						
TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft ³)	MOISTURE PERCENT	DRY DENSITY (lb/ft ³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
1	Center Pad	0-12"	115.1	2.0	112.8	1	108.3	104.2%
2	10' Off N Side 15' Off W Side	0-12"	115.6	1.8	113.6	1	108.3	104.9%
3	15' Off E Side 20' Off S Side	0-12"	115.5	2.1	113.1	1	108.3	104.5%
REMARKS:		The Above Tests Meet Specification Requirements.						
PROCTORS								
PROCTOR	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft ³)	OPT. MOIST.	TYPE				
1	Tan Fine Sand w/Silt	108.3	11.0	MODIFIED (ASTM D-1557)				

Respectfully Submitted,
 CAL TECH TESTING, INC.

Linda M. Creamer
 President - CEO

Reviewed By:

Date:

5/25/06
 Florida Registration No: 52612

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



Cal-Tech Testing, Inc.

• Engineering

P.O. Box 1625 • Lake City, FL 32056-1625 • Tel(386)755-3633 • Fax(386)752-5455

• Geotechnical

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

• Environmental

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

Laboratories

REPORT OF LABORATORY COMPACTION TEST

Client:

Patricia McFee, 117 NW Bronco Terrace, Lake City, FL 32055

Project Name:

Patricia McFee Residence

Project Location:

Lake City, FL

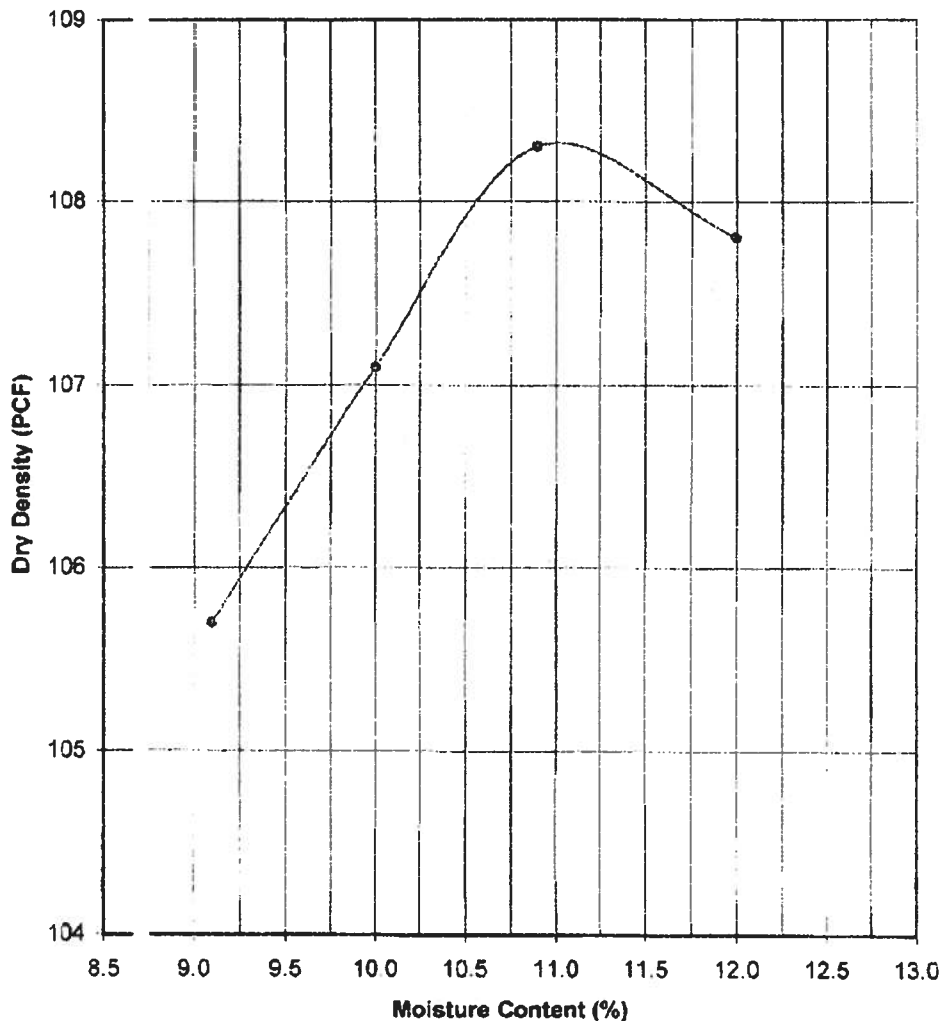
Contractor:

Patricia McFee

File No: 06-313

Date: 5/22/2006

Lab No: 8587



PROCTOR DATA

Proctor No.: 1

Modified Proctor ☒
(ASTM D-1557)Standard Proctor ☐
(ASTM D-698)Maximum Dry
Dens. Pcf: 108.3Optimum Moisture
Percent: 11.0

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

Sample Description:

Tan Fine Sand W/Silt

Sample Location:

Stockpile

Proposed Use:

Pad

Sampled By:

Jimmie Willis

Date: 5/17/2006

Tested By:

Josh Reed

Date: 5/19/2006

Remarks:

1cc: Client

1cc: File

Linda M. Creamer

President - CEO

Reviewed By:

Date:

5/23/06

FL Registration No:

52612

SW

Notice of Treatment

12042

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

Address: BAYVIEW

City: LC Phone: 752/1703

Site Location: Subdivision Parnell Hills

Lot # 34 Block# 9 Permit # 24426

Address: 175 Bonco Terr

Product used

Active Ingredient

% Concentration

☐ Premise Imidacloprid 0.1%

☒ Termidor Fipronil 0.12%

☐ Bora-Care Disodium Octaborate Tetrahydrate 23.0%

Type treatment:

☒ Soil

☐ Wood

Area Treated

Square feet

Linear feet

Gallons Applied

Dwelling

2664

215

250

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 _____.

6-20-06
Date

1030
Time

F254
Print Technician's Name

Remarks: _____

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05



COLUMBIA COUNTY OFFICE OF ALTERNATE

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 10-3S-16-02055-034

Building permit No. 000024426

Use Classification SFD, UTILITY

Fire: 0.00

Permit Holder OWNER BUILDER

Waste: 0.00

Owner of Building PATRICIA MCFEE

Total: 0.00

Location: 175 NW BRONCO TERR(PARNELL HILLS, LOT 34)

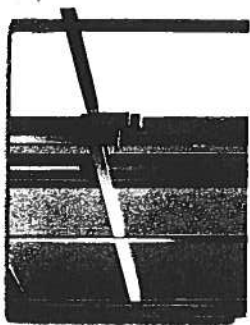
Date: 01/11/2007



[Signature]

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

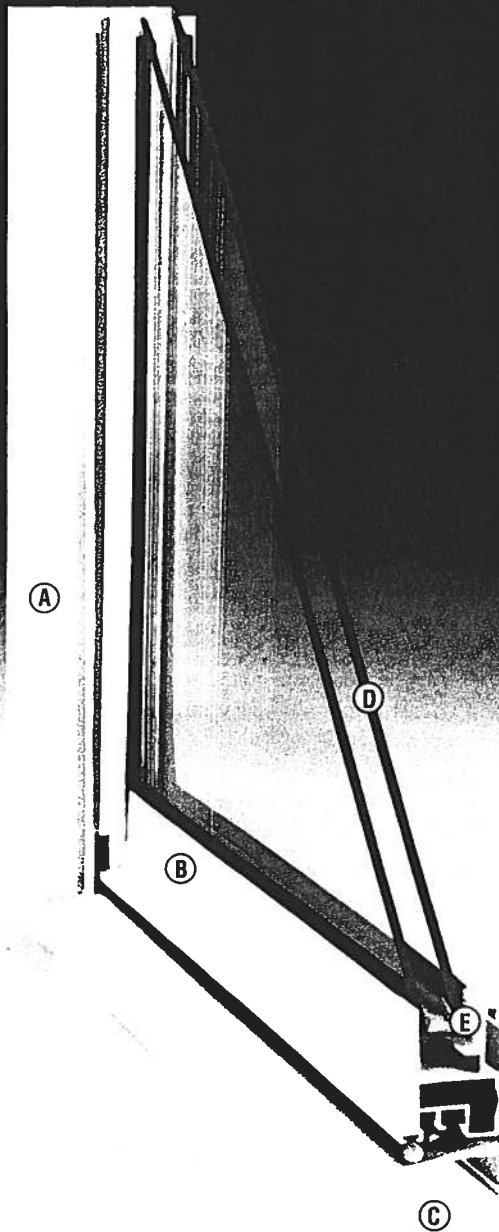
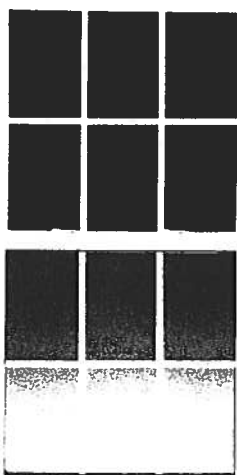


650 SERIES

Non-Thermal Single Hung Aluminum Windows

**Ideal for warmer climates,
this durable single hung offers
plenty of features.**

- Aluminum Tilt-Single Hung
- Block & Tackle Balance
- Sweep Lock System at Meeting Rail
- Inside Removable Meeting Rail for Easy Drywall Pass Thru.
- Interlock System at Meeting Rail
- Optional Decorative Grids Between the Glass
- Complete Specialty Window and Mulling Accessories Available
- AAMA Labeled and NFRC Certified



- A** Aluminum Main Frame
- B** Aluminum Sash
- C** 2 3/8" Frame Depth
- D** 5/8" Insulated Glass
- E** Removable Bottom Glass Is Marine Glazed In Sash Frame-
Removable Top Glass Is Drop-In Tape Glazed In Main Frame

650 SERIES

Single Hung Opening Specifications

NOMINAL UNIT SIZE	SASH RAISED SQ. FT. CLEAR OPENING	SASH RAISED CLEAR OPENING WIDTH X HEIGHT (INCH X INCH)	SASH REMOVED SQ. FT. CLEAR OPENING	SASH REMOVED CLEAR OPENING WIDTH X HEIGHT (INCH X INCH)	VENT AREA SQ. FT.	VISIBLE LITE SQ. FT.	SCREEN SIZE WIDTH X HEIGHT	GLASS SIZE WIDTH X HEIGHT
2'0 x 3'0	1.68	18 1/8 x 13 5/16	1.93	18 1/8 x 15 5/16	1.91	3.72	19 1/4 x 17	19 x 16
2'0 x 4'0	2.43	18 1/8 x 19 5/16	2.68	18 1/8 x 21 5/16	2.65	5.21	19 1/4 x 23	19 x 22
2'0 x 4'4	2.68	18 1/8 x 21 5/16	2.93	18 1/8 x 23 5/16	2.90	5.71	19 1/4 x 25	19 x 24
2'0 x 5'0	3.19	18 1/8 x 25 5/16	3.44	18 1/8 x 27 5/16	3.39	6.70	19 1/4 x 29	19 x 28
2'0 x 6'0	3.94	18 1/8 x 31 5/16	4.19	18 1/8 x 33 5/16	4.13	8.19	19 1/4 x 35	19 x 34
2'0 x 6'0 ORIEL	3.19	18 1/8 x 25 5/16	3.44	18 1/8 x 27 5/16	3.39	8.19	19 1/4 x 29	19 x 40 TOP 19 x 28 BOTTOM
2'4 x 3'0	2.05	22 1/8 x 13 5/16	2.35	22 1/8 x 15 5/16	2.34	4.56	23 1/4 x 17	23 x 16
2'4 x 4'0	2.97	22 1/8 x 19 5/16	3.27	22 1/8 x 21 5/16	3.25	6.38	23 1/4 x 23	23 x 22
2'4 x 4'0	3.27	22 1/8 x 21 5/16	3.58	22 1/8 x 23 5/16	3.55	6.99	23 1/4 x 25	23 x 24
2'4 x 5'0	3.89	22 1/8 x 25 5/16	4.20	22 1/8 x 27 5/16	4.15	8.20	23 1/4 x 29	23 x 28
2'4 x 6'0	4.81	22 1/8 x 31 5/16	5.12	22 1/8 x 33 5/16	5.06	10.03	23 1/4 x 35	23 x 34
2'4 x 6'0 ORIEL	3.89	22 1/8 x 25 5/16	4.20	22 1/8 x 27 5/16	4.15	10.03	23 1/4 x 29	23 x 40 TOP 23 x 28 BOTTOM
2'8 x 3'0	2.42	26 1/8 x 13 5/16	2.78	26 1/8 x 15 5/16	2.77	5.39	27 1/4 x 17	27 x 16
2'8 x 4'0	3.50	26 1/8 x 19 5/16	3.87	26 1/8 x 21 5/16	3.84	7.55	27 1/4 x 23	27 x 22
2'8 x 4'4	3.87	26 1/8 x 21 5/16	4.23	26 1/8 x 23 5/16	4.20	8.27	27 1/4 x 25	27 x 24
2'8 x 5'0	4.59	26 1/8 x 25 5/16	4.96	26 1/8 x 27 5/16	4.92	9.70	27 1/4 x 29	27 x 28
2'8 x 6'0	5.68	26 1/8 x 31 5/16	6.04	26 1/8 x 33 5/16	5.99	11.86	27 1/4 x 35	27 x 34
2'8 x 6'0 ORIEL	4.59	26 1/8 x 25 5/16	4.96	26 1/8 x 27 5/16	4.92	11.86	27 1/4 x 29	27 x 40 TOP 27 x 28 BOTTOM
3'0 x 3'0	2.78	30 1/8 x 13 5/16	3.20	30 1/8 x 15 5/16	3.20	6.22	31 1/4 x 17	31 x 16
3'0 x 4'0	4.04	30 1/8 x 19 5/16	4.46	30 1/8 x 21 5/16	4.44	8.71	31 1/4 x 23	31 x 22
3'0 x 4'4	4.46	30 1/8 x 21 5/16	4.88	30 1/8 x 23 5/16	4.86	9.54	31 1/4 x 25	31 x 24
3'0 x 5'0	5.30	30 1/8 x 25 5/16	5.71	30 1/8 x 27 5/16	5.68	11.20	31 1/4 x 29	31 x 28
3'0 x 6'0	6.55	30 1/8 x 31 5/16	6.97	30 1/8 x 33 5/16	6.92	13.69	31 1/4 x 35	31 x 34
3'0 x 6'0 ORIEL	5.30	30 1/8 x 25 5/16	5.71	30 1/8 x 27 5/16	5.68	13.69	31 1/4 x 29	31 x 40 TOP 31 x 28 BOTTOM
3'4 x 4'0	4.58	34 1/8 x 19 5/16	5.05	34 1/8 x 21 5/16	5.04	9.88	35 1/4 x 23	35 x 22
3'4 x 4'4	5.05	34 1/8 x 21 5/16	5.52	34 1/8 x 23 5/16	5.51	10.82	35 1/4 x 25	35 x 24
3'4 x 5'0	6.00	34 1/8 x 25 5/16	6.47	34 1/8 x 27 5/16	6.45	12.70	35 1/4 x 29	35 x 28
3'4 x 6'0 ORIEL	6.00	34 1/8 x 25 5/16	6.47	34 1/8 x 27 5/16	6.45	15.53	35 1/4 x 29	35 x 40 TOP 35 x 28 BOTTOM
3'8 x 4'0	5.11	38 1/8 x 19 5/16	5.64	38 1/8 x 21 5/16	5.64	11.05	39 1/4 x 23	39 x 22
3'8 x 4'4	5.64	38 1/8 x 21 5/16	6.17	38 1/8 x 23 5/16	6.16	12.10	39 1/4 x 25	39 x 24
3'8 x 5'0	6.70	38 1/8 x 25 5/16	7.23	38 1/8 x 27 5/16	7.21	14.20	39 1/4 x 29	39 x 28
3'8 x 6'0 ORIEL	6.70	38 1/8 x 25 5/16	7.23	38 1/8 x 27 5/16	7.21	17.36	39 1/4 x 29	39 x 40 TOP 39 x 28 BOTTOM
4'0 x 4'0	5.65	42 1/8 x 19 5/16	6.23	42 1/8 x 21 5/16	6.23	12.21	43 1/4 x 23	43 x 22
4'0 x 5'0	7.40	42 1/8 x 25 5/16	7.99	42 1/8 x 27 5/16	7.97	15.70	43 1/4 x 29	43 x 28
4'0 x 6'0 ORIEL	7.40	42 1/8 x 25 5/16	7.99	42 1/8 x 27 5/16	7.97	15.70	43 1/4 x 29	43 x 40 TOP 43 x 28 BOTTOM

650 SERIES

Non-Thermal Aluminum Single Hung & Specialty - Standard Window Unit Sizes Available

SINGLE HUNG WINDOW SIZES

CODE	2-0	2-4	2-8	3-0	3-4	3-8	4-0
ACTUAL SIZE	23 1/8	27 1/8	31 1/8	35 1/8	39 1/8	43 1/8	47 1/8
ROUGH OPENING	23 5/8	27 5/8	31 5/8	35 5/8	39 5/8	43 5/8	47 5/8
3-0	35 5/8	35 7/8					
4-0	47 5/8	47 7/8					
4-4	51 5/8	51 7/8					
5-0	59 5/8	59 7/8					
6-0	71 5/8	71 7/8					
6-0	71 5/8	71 7/8					
	Oriel	Oriel	Oriel	Oriel	Oriel	Oriel	Oriel

PICTURE WINDOW SIZES

CODE	2-0	3-0	4-0	5-0
ACTUAL SIZE	23 1/8	35 1/8	47 1/8	59 1/8
ROUGH OPENING	23 5/8	35 5/8	47 5/8	59 5/8
2-0	23 5/8			
3-0		35 5/8		
4-0			47 5/8	
5-0				59 5/8
2-0				
3-0				
4-0				
5-0				
2-0				
3-0				
4-0				
5-0				
	Oriel	Oriel	Oriel	

ARCH TOP SIZES

CODE	4-0	5-0	5-4	6-0
ACTUAL SIZE	47 1/8	59 1/8	63 1/8	71 1/8
ROUGH OPENING	47 5/8	59 5/8	63 5/8	71 5/8
4-0	47 5/8			
5-0		59 5/8		
5-4			63 5/8	
6-0				71 5/8
4-0				
5-0				
5-4				
6-0				
4-0				
5-0				
5-4				
6-0				



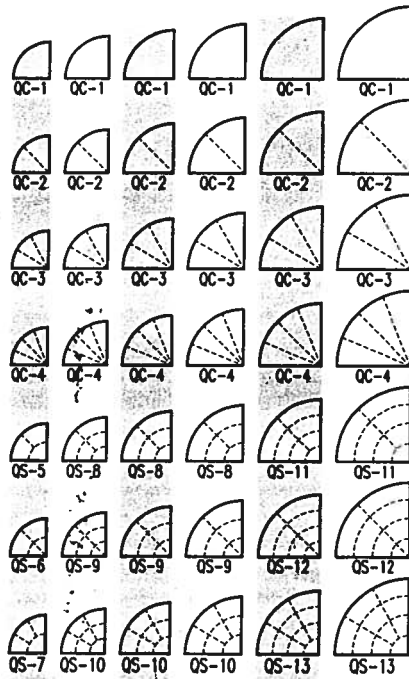
QUALITY CONTROL & TESTING
AAMA CERTIFICATION PROGRAM
 ACCREDITED BY: AMERICAN NATIONAL STANDARDS INSTITUTE
 Validator: ALI®

CODE: MTL-4

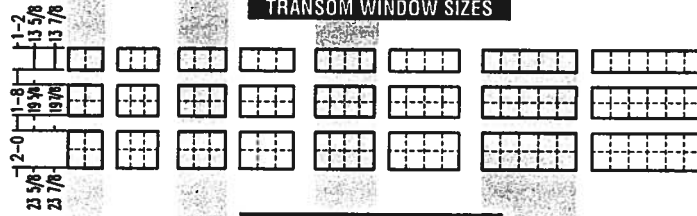


Some products may require special glazing options to meet certain Energy Star criteria. Contact your sales representative for more information.

QUARTER CIRCLE WINDOW SIZES



TRANSOM WINDOW SIZES



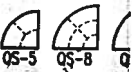
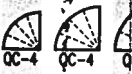
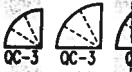
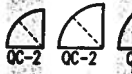
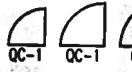
CIRCLE TOP WINDOW SIZES

		HC-1		HC-1			
		HC-2		HC-2		HC-1	
		HC-6		HC-6		HC-2	
HC-1		HC-1	HC-1	HC-1	HC-1	HS-3	HS-3
HC-2		HC-3	HC-3	HC-3	HC-3	HS-4	HS-4
HS-3		HC-4	HC-4	HC-4	HC-4	HS-5	HS-5
HS-4		HS-5	HS-5	HS-5	HS-5	HS-6	HS-6
HS-5		HS-6	HS-6	HS-6	HS-6	HS-7	HS-7
CODE		2-0	2-4	2-8	3-0	3-4	4-0
ACTUAL SIZE		23 1/8	27 1/8	31 1/8	35 1/8	39 1/8	47 1/8
ROUGH OPENING		23 5/8	27 5/8	31 5/8	35 5/8	39 5/8	47 5/8
ANY STANDARD HEIGHT HUNG							
ANY STANDARD HEIGHT PICTURE							

NOTE: Actual height of circle top = Actual width divided by 2 + 9/16"

Rough Opening height of circle top = Actual Height (calculated above) + 1/2"

QUART



1-1-2			
1-8			
19 5/8			
2-0			
23 5/8			
23 7/8			



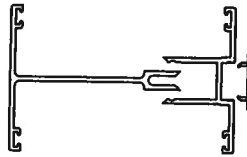
CODE	2-0	2-4	2
ACTUAL SIZE	23 1/8	27 1/8	31
ROUGH OPENING	23 5/8	27 5/8	31
ANY STANDARD HEIGHT HUNG			
ANY STANDARD HEIGHT PICTURE			

NOTE: Actual
Rough

650 SERIES

*Non-Thermal Single Hung
Aluminum Windows*

MULLIONS AVAILABLE

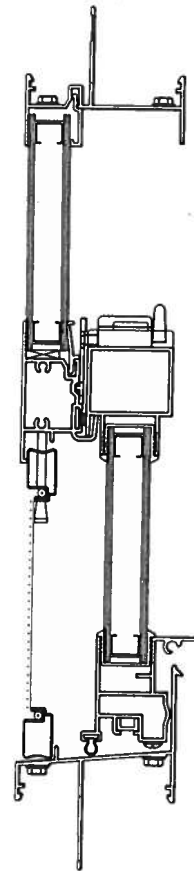


CM-45028
CM-45029 3-PIECE
CM-45030
1 1/16" ADD ON



CM-65024 H-MULL
1/8" ADD ON

VERTICAL DETAIL



HORIZONTAL DETAIL



Dec. 28. 2001 5:03PM PREMDOR DICKSON 515 445 7020

11/08/01 P. 12/32

MIAMI-DADE

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDINGBUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1602
MIAMI, FLORIDA 33136-1563
(305) 375-2901 FAX (305) 375-2908CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2535CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 375-2939**PRODUCT CONTROL NOTICE OF ACCEPTANCE**Premdor Entry Systems
One Premdor Drive
Dickson, TN 37055

- Your application for Notice of Acceptance (NOA) of:
 Entergy SE Double Door w/sidelites - Inswing - Opaque - 8'0" In a Wood Frame
 under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of
 Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade
 County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this
 product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this
 product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the
 use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is
 determined by BCCO that this product or material fails to meet the requirements of the South Florida
 Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 01-1031.06
 EXPIRES: 11/05/2006

[Signature]
 Rafel Pacheco
 Chief, Product Control Division

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL
CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building
 Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set
 forth above.

[Signature]

Francisco J. Quintana, R.A.
 Director
 Miami-Dade County
 Building Code Compliance Office

APPROVED: 12/11/2001

Dec. 28. 2001 5:04PM PREMDOR DICKSON 815 446 7229

6885 P. 13/52

Premdor Entry SystemsACCEPTANCE No.: 01-1031.06APPROVED: December 11, 2001EXPIRES: November 5, 2006NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

- 1.1 This renews Notice of Acceptance (NOA) No. 00-0720.10, which was issued on November 09, 2000. It renews the approval of a residential insulated steel door, as described in Section 2 of this NOA, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

- 2.1 The Series "Entergy" Inswing Opaque Double Residential Insulated Steel Doors (Metal Edge) with Sidelites 8' 0" High - Impact Resistant Door Slab Only and its components shall be constructed in strict compliance with the following document: Drawing No 31-1034-EM-I, Sheets 1 through 6 of 6, titled "Premdor (Entergy Metal Edge) Double Door w/ Sidelites in Wood Frame w/ Bumper Threshold - 8' 0" Height (Inswing)," prepared by manufacturer, dated 6/15/98 and revised on 7/27/01, bearing the Miami-Dade County Product Control renewal stamp with the NOA number and expiration date by the Miami-Dade County Product Control Division. This document shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

- 3.1 This approval applies to single unit applications of pair of doors and single door with sidelites, as shown in approved drawings. Single door units shall include all components described in the active leaf of this approval.
- 3.2 Unit shall be installed only at locations protected by a canopy or overhang such that the angle between the edge of canopy or overhang to sill is less than 45 degrees. Unless unit is installed in non-habitable areas where the unit and the area are designed to accept water infiltration.

4. INSTALLATION

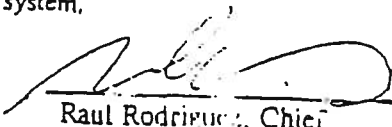
- 4.1 The residential insulated steel door and its components shall be installed in strict compliance with the approved drawings.
- 4.2 Hurricane protection system (shutters):
Door Slab: The installation of this unit will not require a hurricane protective system.
Sidelites: The installation of these units will require a hurricane protective system.

5. LABELING

- 5.1 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".

6. BUILDING PERMIT REQUIREMENTS

- 6.1 Application for building permit shall be accompanied by copies of the following:
- 6.1.1 This Notice of Acceptance
- 6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.
- 6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.


 Raul Rodriguez, Chief
 Product Control Division

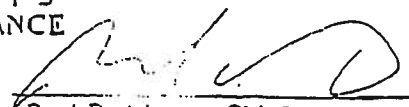
Dec. 28. 2001 5:04PM PREMDOR DICKSON 615 446 7229

5885 3. 14/52

Premdor Entry SystemsACCEPTANCE No. 01-1031.06APPROVED: December 11, 2001EXPIRES: November 5, 2006NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
 - b) The product is no longer the same product (identical) as the one originally approved;
 - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
 - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a) Unsatisfactory performance of this product or process.
 - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

END OF THIS ACCEPTANCE



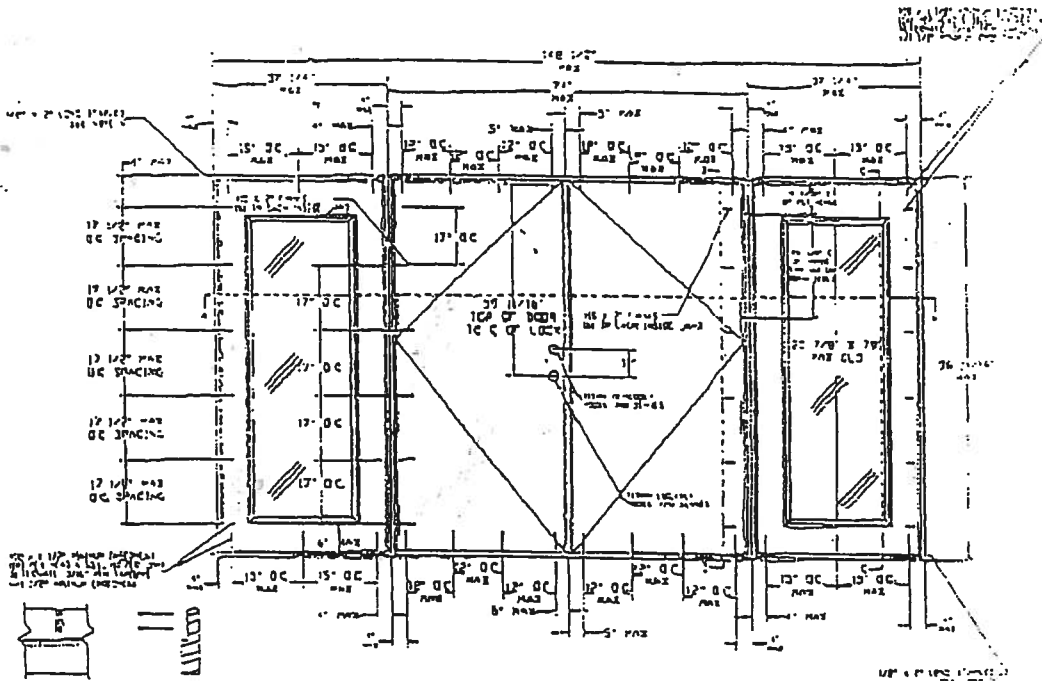
Raul Rodriguez, Chief
Product Control Division

Dec.28. 2001 5:04PM PREMDOR DICKSON 815 446 7229

11-8885

P. 15/52

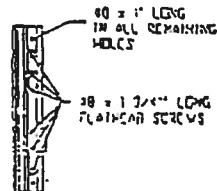
PREMDOR (CENTERGY METAL EDGE) DOUBLE DOOR
WITH SIDELITES IN WOOD FRAMES
WITH BUMPER THRESHOLD-8'0" HEIGHT (INSWING)



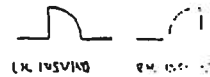
ATTACH ASTRAGAL THROUGH EACH
STRIKE PLATE TO THE HEAD
AND THRESHOLD WITH 1/2" x 2"
FLATHEAD SCREWS

NOTES:

- 1) WOOD BLOCKS BY OTHERS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
- 2) THE FOLLOWING CONDITIONS ARE INTENDED TO QUALIFY THE FOLLOWING INSTALLATIONS.
- A. WOOD FRAME CONSTRUCTION WHERE DOOR SYSTEM IS ANCHORED TO A MINIMUM TWO BY WOOD OPENING
- B. MASONRY OR CONCRETE CONSTRUCTION WHERE DOOR SYSTEM IS ANCHORED TO A MINIMUM TWO BY STRUCTURAL VEEB BLOCK
- C. MASONRY OR CONCRETE CONSTRUCTION WHERE DOOR SYSTEM IS ANCHORED DIRECTLY TO CONCRETE OR MASONRY WITH OR WITHOUT A NON-STRUCTURAL FILL BY WOOD BLOCK
3. ALL ANCHORING SCREWS TO BE 1/2" WITH MINIMUM 1 1/2" EMBEDMENT INTO WOOD SUBSTRATE OR 3/16" PITCH LARCONS WITH 1 1/2" MINIMUM EMBEDMENT INTO MASONRY
4. GLAZED UNIT MUST BE INSTALLED WITH "HIMKI-SABE" CURBITY APPROVED SILLERS
5. HISSLE STAPLES PER SIDE JAMB INTO HEADER OR SIDELITES AND DOOR. THREE STAPLES PER JAMB INTO THRESHOLD ON SIDELITES AND DOOR
6. LATEX SEALANT TO BE APPLIED AT SIDE BY SIDE JAMBS AND SIDELITES
7. DOOR/SIDELITE HEADERS, DOOR/SIDELITE JAMBS, AND SIDELITE BASE CORNERS ARE COPED AND BUTTED
8. DOORS SHALL BE PRE-PAINTED WITH AN ACRYLIC LATEX WATER-BASED/ UNICO-RENDIBLE WHITE PRIMER WITH A DRY FILM THICKNESS OF 48 TO 12 MIL.
9. FRAMES SHALL BE PRE-PAINTED WITH A WATER-BASED GROUT PRIMER WITH A DRY FILM THICKNESS OF 12 TO 12 MIL.



ASTRAGAL



INSWING

PRODUCT RENEWED

ACCEPTANCE NO. 11-1031.06

EXPIRATION DATE: November 5, 2004

BY: [Signature]

PRODUCT COMPLIANCE OFFICE

BUILDING CODE COMPLIANCE OFFICE

DESIGN PRESSURE RATINGS			
WHERE WATER INFILTRATION REQUIREMENT IS MET		WHERE WATER INFILTRATION REQUIREMENT IS NOT MET	
Positive	NOT APPROVED	Positive	NOT APPROVED
Negative	NOT APPROVED	Negative	NOT APPROVED

* UNITS SHALL BE INSTALLED ONLY AT LOCATIONS PROTECTED BY A CANOPY OR OVERHANG SUCH THAT THE ANGLE BETWEEN THE C/P OF CANOPY OR OVERHANG TO SILL IS LESS THAN 45 DEGREES. UNITS ARE NOT TO BE INSTALLED IN NON-HABITABLE AREAS WHERE THE UNIT AND THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION.

1. PRELIMINARY	2. 1/2" x 1/2" x 1/2"	3. 1/2" x 1/2" x 1/2"	4. 1/2" x 1/2" x 1/2"
5. 1/2" x 1/2" x 1/2"	6. 1/2" x 1/2" x 1/2"	7. 1/2" x 1/2" x 1/2"	8. 1/2" x 1/2" x 1/2"
9. 1/2" x 1/2" x 1/2"	10. 1/2" x 1/2" x 1/2"	11. 1/2" x 1/2" x 1/2"	12. 1/2" x 1/2" x 1/2"
13. 1/2" x 1/2" x 1/2"	14. 1/2" x 1/2" x 1/2"	15. 1/2" x 1/2" x 1/2"	16. 1/2" x 1/2" x 1/2"
17. 1/2" x 1/2" x 1/2"	18. 1/2" x 1/2" x 1/2"	19. 1/2" x 1/2" x 1/2"	20. 1/2" x 1/2" x 1/2"
21. 1/2" x 1/2" x 1/2"	22. 1/2" x 1/2" x 1/2"	23. 1/2" x 1/2" x 1/2"	24. 1/2" x 1/2" x 1/2"
25. 1/2" x 1/2" x 1/2"	26. 1/2" x 1/2" x 1/2"	27. 1/2" x 1/2" x 1/2"	28. 1/2" x 1/2" x 1/2"
29. 1/2" x 1/2" x 1/2"	30. 1/2" x 1/2" x 1/2"	31. 1/2" x 1/2" x 1/2"	32. 1/2" x 1/2" x 1/2"
33. 1/2" x 1/2" x 1/2"	34. 1/2" x 1/2" x 1/2"	35. 1/2" x 1/2" x 1/2"	36. 1/2" x 1/2" x 1/2"
37. 1/2" x 1/2" x 1/2"	38. 1/2" x 1/2" x 1/2"	39. 1/2" x 1/2" x 1/2"	40. 1/2" x 1/2" x 1/2"
41. 1/2" x 1/2" x 1/2"	42. 1/2" x 1/2" x 1/2"	43. 1/2" x 1/2" x 1/2"	44. 1/2" x 1/2" x 1/2"
45. 1/2" x 1/2" x 1/2"	46. 1/2" x 1/2" x 1/2"	47. 1/2" x 1/2" x 1/2"	48. 1/2" x 1/2" x 1/2"
49. 1/2" x 1/2" x 1/2"	50. 1/2" x 1/2" x 1/2"	51. 1/2" x 1/2" x 1/2"	52. 1/2" x 1/2" x 1/2"
53. 1/2" x 1/2" x 1/2"	54. 1/2" x 1/2" x 1/2"	55. 1/2" x 1/2" x 1/2"	56. 1/2" x 1/2" x 1/2"
57. 1/2" x 1/2" x 1/2"	58. 1/2" x 1/2" x 1/2"	59. 1/2" x 1/2" x 1/2"	60. 1/2" x 1/2" x 1/2"
61. 1/2" x 1/2" x 1/2"	62. 1/2" x 1/2" x 1/2"	63. 1/2" x 1/2" x 1/2"	64. 1/2" x 1/2" x 1/2"
65. 1/2" x 1/2" x 1/2"	66. 1/2" x 1/2" x 1/2"	67. 1/2" x 1/2" x 1/2"	68. 1/2" x 1/2" x 1/2"
69. 1/2" x 1/2" x 1/2"	70. 1/2" x 1/2" x 1/2"	71. 1/2" x 1/2" x 1/2"	72. 1/2" x 1/2" x 1/2"
73. 1/2" x 1/2" x 1/2"	74. 1/2" x 1/2" x 1/2"	75. 1/2" x 1/2" x 1/2"	76. 1/2" x 1/2" x 1/2"
77. 1/2" x 1/2" x 1/2"	78. 1/2" x 1/2" x 1/2"	79. 1/2" x 1/2" x 1/2"	80. 1/2" x 1/2" x 1/2"
81. 1/2" x 1/2" x 1/2"	82. 1/2" x 1/2" x 1/2"	83. 1/2" x 1/2" x 1/2"	84. 1/2" x 1/2" x 1/2"
85. 1/2" x 1/2" x 1/2"	86. 1/2" x 1/2" x 1/2"	87. 1/2" x 1/2" x 1/2"	88. 1/2" x 1/2" x 1/2"
89. 1/2" x 1/2" x 1/2"	90. 1/2" x 1/2" x 1/2"	91. 1/2" x 1/2" x 1/2"	92. 1/2" x 1/2" x 1/2"
93. 1/2" x 1/2" x 1/2"	94. 1/2" x 1/2" x 1/2"	95. 1/2" x 1/2" x 1/2"	96. 1/2" x 1/2" x 1/2"
97. 1/2" x 1/2" x 1/2"	98. 1/2" x 1/2" x 1/2"	99. 1/2" x 1/2" x 1/2"	100. 1/2" x 1/2" x 1/2"

PREMDOR ENTRY SYSTEMS
31-1034-EM-1
SHEET 1 OF 6

31-1034-EM-1
SHEET 1 OF 6

MASTER

FROM : LYNCH WELL DRILLING 752-1477

PHONE NO. : 7526677

MAR. 13 2002 02:22PM P1



AMTROL INC.

WEL-FLO[®] Pre-pressurized Water System Tanks

- Proven Diaphragm Design
- Tough Gloss Finish
- Sizes from 14 to 119 Gallons
- Outstanding Value





NEW HOME CONST ONLY

Pump and Tank Code
Section 613
Well Pumps and Tanks used for private potable water
systems

~~July 1, 2001~~ March 1, 2002

- 613.1 Pumps. Well pumps used for potable water shall comply with sections 613.1.1 and 613.1.2
613.1.1 Pump Installation. Pumps shall be installed for operation without re-priming or breaking suction. Pumps shall be connected to the well head by means of a union, companion flange or compression coupling in such a manner that it is accessible for maintenance, repair and removal.
613.1.2 Pump Sizing. Minimum pump size shall be determined by table 613.1.

Table 613.1
Minimum Private Potable Water System Pump Size

	Bathrooms in Home				
	1	1 1/2	2-2 1/2	3-4	5-6
Minimum Pump Size	7gpm	10gpm	14gpm	17gpm	21gpm

Notes:

1. Values given are average and do not include high and low extremes
 2. Installations over 6 bathrooms shall be approved by the code official
- 613.2 Pressure Tanks. Tanks relying on expansion of a flexible membrane within a restricting container, or tanks with direct water-to-air interface to provide pressure in the water system shall be used. All pressure tanks for storing potable water under pressure, including those having an airspace for pressure for expansion shall be identified by seal, label, or plate indicating the manufacturer's name and model number and shall meet the following specifications:

1. Pressure tank drawdown shall be a minimum of 1 gallon for every gallon produced by the pump (Example: 20 gallon per minute pump will require a draw of 20 gallons usable). Exceptions: Pump start applications, constant pressure devices and variable speed pumps.
2. Pressure tanks must be constructed of steel, fiberglass, or comparable materials. Tanks to be buried shall have a minimum wall thickness of 1/4 inch and be built by the manufacturer specifically for underground use. Fiberglass or other non-metallic tanks to be buried shall have the structural strength to prevent collapse.

613.3 Piping. Piping associated with well pumps and tanks shall comply with Sections 613.3.1 through 613.3.

613.3.1 Drop Pipe. The Drop pipe from the submersible pump to the first fitting past the well seal shall be either galvanized steel, stainless steel, or PVC Schedule 80 threaded/coupled or lock joint pipe. The drop pipe for a single (pipe) jet pump shall be either galvanized steel, or stainless steel. The drop pipe for a double (pipe) jet shall be galvanized steel, stainless steel on the suction side and/or minimum PVC Schedule 40 on the pressure side.

613.3.2 Pump Discharge pipe sizing. For submersible pumps, pipe size shall be equal to the pump discharge. Piping for all other types of pumps shall be sized in accordance to the manufacturers' specifications.

613.3.3 Pressure Tank Pipe Sizing. Piping size for the offset of the pressure tank shall use the piping friction loss charts for the piping material used.

613.4 Electrical wiring. All wiring shall be installed in accordance with chapter 27 of the Florida Building code and NFPA 70.

613.5 Disinfection. The pump installer shall disinfect any potable well and water system in accordance with Section 610.

613.6 Valves. A pressure relief valve shall be installed on any pumping system that can produce pressures of 75 psi or greater. A check valve shall be installed at the well head of submersible pumps.

* Cycle Stop Valves ARE CONSTANT PRESS Device

* Counties may Add Higher Demands

DSI-28 322 7857

DSI-JOAN

DSI-UCALA

WELL-X-TROL

PRO-LINE INC.

WELL-X-TROL 5

Assurized Diaphragm Well Tanks

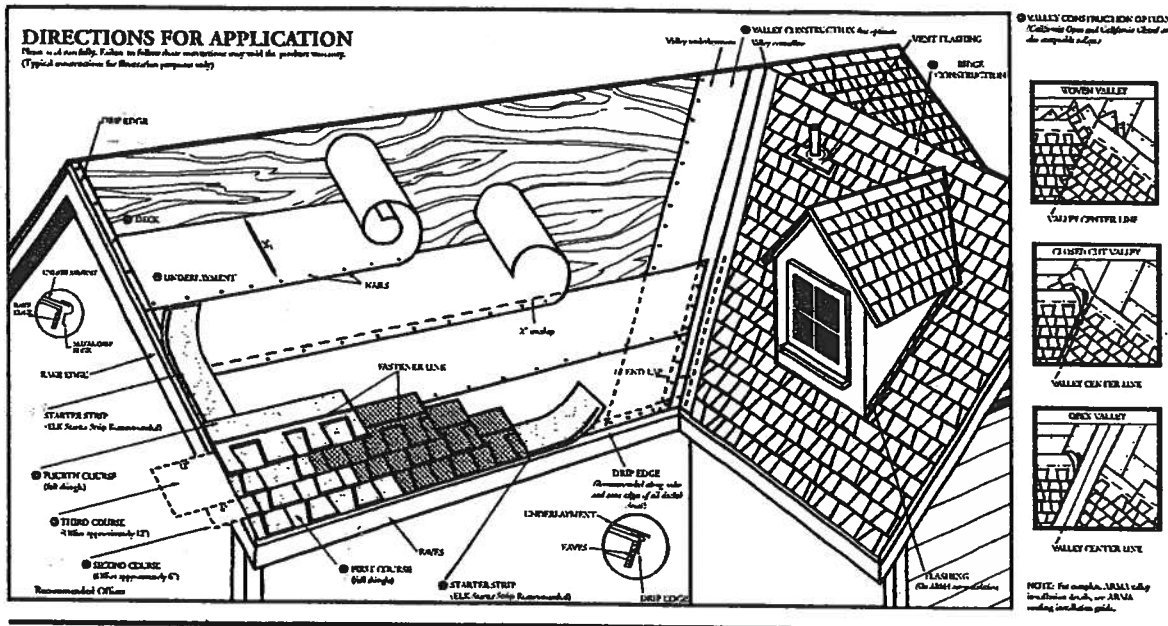
CHAMPION, WEL-FLO, PRO-LINE See Nat Sheet

Model / Part No.	List Price (\$)	Diameter (ins)	Dimensions Height (ins)	Total Volume (gals)	Max. Accept. Factor	System Drawdown 20/40 (gals) 30/50 (gals) 40/60 (gals)	Shipping Wt. (Vol.) lbs (cu ft)
CH 4202/WF60/CA4202	213.00	15 3/4	31 1/4	20.0	0.57	8.0 6.8 5.9	33 (4.9)
CH 6000/WF80/CA6000	225.00	15 3/4	38 3/4	26.0	0.44	10.5 8.8 7.6	36.0
CH 8003/WF100/CA8003	364.00	15 3/4	46 3/4	32.0	0.35	- 10.9 9.4	43 (7.0)
CH 8205/WF110/CA8205	399.00	22	29 3/4	34.0	1.00	13.7 11.6 10.0	61 (9.6)
CH 10050/WF140/CA10050	461.00	22	36	44.0	0.77	17.7 15.0 13.0	69 (11.0)
CH 12051/WF200/CA12051	545.00	22	46 3/4	62.0	0.55	24.9 21.1 18.3	92 (13.9)
CH 17255/WF255/CA17255	585.00	22	56 3/4	81.0	0.41	32.6 27.5 23.9	103
CH 17252/WF252/CA17252	653.00	22	62 3/4	86.0	0.39	34.6 29.2 25.4	114 (18.1)
CH 17002/WF260/CA17002	647.00	26	47 3/4	86.0	0.54	34.6 29.2 25.4	123 (18.9)
CH 22050/WF360/CA22050	922.00	26	51 3/4	119.0	0.39	47.8 40.5 35.1	166 (24.5)

CH4202, CH8000, CH8003, WF60, WF80, W1100, CA 4202, CA6000, & CA8003 have a 1" NPTF system connection and a 28 psig pre-charge.
CH 17002, CH 17252, CH 17255, CH 17252, CH 17002, CH 22050 have a 1 1/2" NPTF system connection and a 39 psig pre-charge.

DIRECTIONS FOR APPLICATION

Please read and follow these instructions carefully. Failure to follow these instructions may void the product warranty. (Typical construction for illustration purposes only.)



DIRECTIONS FOR APPLICATION

These application instructions are the minimum required to meet Elk's application requirements. Your failure to follow these instructions may void Elk's product warranty. In some areas, the 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 that are less than those printed here. Shingles should not be jammed tightly together. All stiles should be properly ventilated. Note: It is not necessary to remove tape on back of shingle.

DECK PREPARATION

Roof decks should be dry, well-seasoned 1" x 6" boards or exterior grade plywood minimum 3/8" thick and conform to the specifications of the American Plywood Association or 7/16" oriented strandboard, or 7/16" chipboard.

UNDERLAYMENT

Apply underlayment (Non-Perforated No. 15 or 30 asphalt saturated felt, Elk Versasheild® or self-adhering underlayment is also acceptable. Cover drip edge at eaves only.

For low slope (2/12 up to 4/12), completely cover the deck with two piles of underlayment overlapping a minimum of 15". Begin by fastening a 15" wide strip of underlayment placed along the eaves. Place a full 36" wide sheet over the starter, horizontally placed along the eaves and completely overlapping the starter strip.

EAVE FLASHING FOR ICE DAMS (ASK A ROOFING CONTRACTOR, REFER TO ARMA MANUAL OR CHECK LOCAL CODES)

For standard slope (4/12 to less than 21/12), use coated roll roofing of no less than 50 pounds over the felt underlayment extending from the eave edge to a point at least 24" beyond the inside wall of the living space below or one layer of a self-adhering eave and flashing membrane.

For low slope (2/12 up to 4/12), use a continuous layer of asphalt plastic cement between the two piles of underlayment from the eave edge up roof to a point at least 24" beyond the inside wall of the living space below or one layer of a self-adhering eave and flashing membrane.

Consult the Elk Technical Services Department for application specifications over other decks and other slopes.

STARTER SHINGLE COURSE

USE AN ELK STARTER STRIP OR THE HEADLAP OF A STRIP SHINGLE WITH THE ADHESIVE STRIP POSITIONED AT THE EAVE EDGE. With at least 3" trimmed from the end of the first shingle, start at the rake edge overhanging the eave and rake edges 1/2" to 3/4". Fasten 2" from the lower edge and 1" from each side.

FIRST COURSE

Start at rake and continue course with full shingles laid flush with the starter course. Shingles may be applied with a course alignment of 45° on the roof.

SECOND COURSE

Offset the second course of shingles with respect to the first by approximately 6". Other offsets are approved if greater than 4".

THIRD COURSE

Offset the next course by 6" with respect to the second course, or consistent with the original offset.

FOURTH COURSE

Start at the rake and continue with full shingles across roof.

FIFTH AND SUCCEEDING COURSES

Repeat application as shown for second, third, and fourth courses. Do not rack shingles straight up the roof. Offsets may be adjusted around valleys and penetrations.

VALLEY CONSTRUCTION

Open, woven and closed cut valleys are acceptable when applied by Asphalt Roofing Manufacturing Association (ARMA) recommended procedures. For metal valleys, use 36" wide vertical underlayment prior to applying metal flashing (secure edge with nails). No nails are to be within 8" of valley center.

RIDGE CONSTRUCTION

For ridge construction Elk recommends Class "A" Z-Ridge or Seal-A-Ridge® with formula FLX™ or RidgeCrest® with FLX (See ridge package for installation instructions). Vented RidgeCrest or 3-tab shingles are also approved.

FASTENERS

While nailing is the preferred method for Elk shingles, Elk will accept fastening methods according to the following instructions.

Using the fastener line as a reference, nail or staple the shingle in the double thickness common board area. For shingles without a fastener line, nails or staples must be placed between and/or in the sealant dots.

NAILS: Corrosive resistant, 3/8" head, minimum 12-gauge roofing nails. Elk recommends 1-1/4" for new roofs and 1-1/2" for re-roofs. In cases where you are applying shingles to a roof that has an exposed overhang, for new roofs only, 3/4" ring shank nails are allowed to be used from the eave's edge to a point up the roof that is past the outside wall line. 1" ring shank nails allowed for re-roof.

STAPLES: Corrosive resistant, 16-gauge minimum, crown width minimum of 15/16". Note: An improperly adjusted staple gun can result in raised staples that can cause a fish-mouthed appearance and can prevent sealing.

Fasteners should be long enough to obtain 3/4" deck penetration or penetration through deck, whichever is less. This product meets the requirements of the IRC 2003 code when fastened with 4 nails.

MANSARD APPLICATIONS

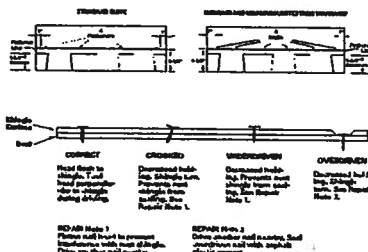
Correct fastening is critical to the performance of the roof. For slopes exceeding 60° (or 21/12) use six fasteners per shingle. Locate fasteners in the fastener area 1" from each side edge with the remaining four fasteners equally spaced along the length of the double thickness (laminated) area. Only fastening methods according to the above instructions are acceptable.

LIMITED WIND WARRANTY

- For a Limited Wind Warranty, all Prestique and Raised Profile™ shingles must be applied with 4 properly placed fasteners, or in the case of mansard applications, 6 properly placed fasteners per shingle.
- For a Limited Wind Warranty up to 110 MPH for Prestique Gallery Collection or Prestique Plus or 90 MPH for Prestique I, shingles must be applied with 6 properly placed NAILS per shingle. SHINGLES APPLIED WITH STAPLES WILL NOT QUALIFY FOR THIS ENHANCED LIMITED WIND WARRANTY. Also, Elk Starter Strip shingles must be applied at the eaves and rake edges to qualify Prestique Plus, Prestique Gallery Collection and Prestique I shingles for this enhanced Limited Wind Warranty. Under no circumstances should the Elk Shingles or the Elk Starter Strip overhang the eaves or rake edge more than 3/4" of an inch.

HELP STOP BLOW-OFFS AND CALL-BACKS

A minimum of four fasteners must be driven into the DOUBLE THICKNESS (laminated) area of the shingle. Nails or staples must be placed along – and through – the "fastener line" or on products without fastener lines, nail or staple between and in line with sealant dots. CAUTION: Do not use fastener line for shingle alignment.



Refer to local codes which in some areas may require specific application techniques beyond those Elk has specified. All Prestique and Raised Profile shingles have a U.L.C. Wind Resistance Rating when applied in accordance with these instructions using nails or staples on re-roofs as well as new construction.

CAUTION TO WHOLESALER: Careless and improper storage or handling can harm fiberglass shingles. Keep these shingles completely covered, dry, reasonably cool, and protected from the weather. Do not store near various sources of heat. Do not store in direct sunlight until applied. DO NOT DOUBLE STACK. Systematically rotate all stock so that the material that has been stored the longest will be the first to be moved out.

ELK
The Premium Choice®
www.elkcorp.com

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DUCT SYSTEM SUMMARY

Entire House

LARRY RESMONDO A/C

Job: TRISH McFEE LOT 34
PARNELL HILLS 3/28/06

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

Project Information

For: WOODMAN PARK BUILDERS
P.O. BOX 3535, LAKE CITY, FL 32056
Phone: 386-755-2411 Fax: 386-755-1126

External Static Pressure:	HEATING	COOLING
Pressure Losses:	0.10 in H2O	0.00 in H2O
Available Static Pressure:	0.50 in H2O	0.50 in H2O
Friction Rate:	-0.4 in H2O	-0.5 in H2O
Actual AVF:	0.100 in/100ft	0.100 in/100ft
	1150 cfm	1150 cfm

Total Effective Length (TEL): 165 ft

Supply Branch Detail Table

Name	Htg (Btuh)	Clg (Btuh)	Htg (cfm)	Clg (cfm)	Dsn FR	Vel (fpm)	Dia (in)	Rect Sz (in)	Duct Matl	Trnk
WHOLE HOUSE	4653	3353	192	192	0.100	718	7	0x 0	ShMt	st1
WHOLE HOUSE-A	4651	3350	192	192	0.100	717	7	0x 0	ShMt	st1A
WHOLE HOUSE-B	4651	3350	192	192	0.100	717	7	0x 0	ShMt	st1A
WHOLE HOUSE-C	4651	3350	192	192	0.100	717	7	0x 0	ShMt	st1B
WHOLE HOUSE-D	4651	3350	192	192	0.100	717	7	0x 0	ShMt	st1
WHOLE HOUSE-E	4651	3350	192	192	0.100	717	7	0x 0	ShMt	st1

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Vel (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
st1	Peak AVF	1150	1150	824	16	0 x 0	ShtMetl	
st1A	Peak AVF	575	575	871	11	0 x 0	ShtMetl	st1
st1B	Peak AVF	192	192	717	7	0 x 0	ShtMetl	st1A

Return Branch Detail Table

Name	Diffus Sz (in)	Htg (Btuh)	Clg (Btuh)	Htg (cfm)	Clg (cfm)	Dsn FR	Vel (fpm)	Dia (in)	Rect Sz (in)	Duct Matl	Trunk
rb1	0 x 0	27906	20101	1150	1150	0.100	651	18	0x 0	ShMt	

Bold/italic values have been manually overridden



RIGHT-J BUILDING ANALYSIS REPORT

Entire House

LARRY RESMONDO A/C

Job: TRISH McFEE LOT 34
PARNELL HILLS 3/28/06

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

Project Information

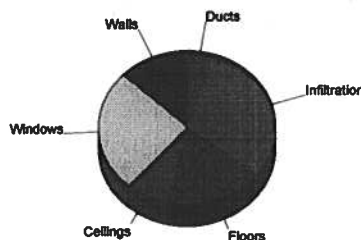
For: WOODMAN PARK BUILDERS
P.O. BOX 3535, LAKE CITY, FL 32056
Phone: 386-755-2411 Fax: 386-755-1126

Design Information

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

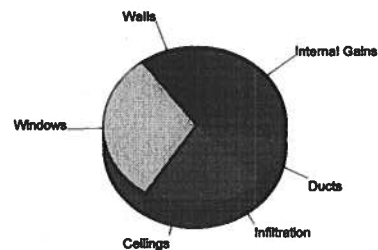
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	3.0	3622	13.0
Windows	25.2	7161	25.7
Doors	0.0	0	0.0
Ceilings	1.2	2151	7.7
Floors	30.0	5020	18.0
Infiltration	30.4	8622	30.9
Ducts		1329	4.8
Total		27904	100.0



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	1.6	2016	10.0
Windows	21.8	6191	30.8
Doors	0.0	0	0.0
Ceilings	1.4	2384	11.9
Floors	0.0	0	0.0
Infiltration	7.0	1981	9.9
Ducts		1827	9.1
Internal gains		5700	28.4
Total		20099	100.0



Cooling at 82 % SHR = 2.0 ton

Cooling at 70 % SHR = 2.3 ton

Overall U-Value = 0.141 Btuh/ft²-°F

Cooling air flow = 577 cfm/ton

Cooling at 400 cfm/ton = 2.9 ton

Data entries checked.



RIGHT-J LOAD AND EQUIPMENT SUMMARY

Entire House

LARRY RESMONDO A/C

Job: TRISH McFEE LOT 34
PARNELL HILLS 3/28/06

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

Project Information

For: WOODMAN PARK BUILDERS
P.O. BOX 3535, LAKE CITY, FL 32056
Phone: 386-755-2411 Fax: 386-755-1126

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

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

Summer Design Conditions

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

Heating Summary

Building heat loss	27904 Btuh
Ventilation air	0 cfm
Ventilation air loss	0 Btuh
Design heat load	27904 Btuh

Sensible Cooling Equipment Load Sizing

Structure	20099 Btuh
Ventilation	0 Btuh
Design temperature swing	3.0 °F
Use mfg. data	n
Rate/swing multiplier	0.97
Total sens. equip. load	19496 Btuh

Infiltration

Method	Simplified	
Construction quality	Average	
Fireplaces	0	
	Heating	Cooling
Area (ft²)	1762	1762
Volume (ft³)	15856	15856
Air changes/hour	0.8	0.4
Equiv. AVF (cfm)	212	106

Latent Cooling Equipment Load Sizing

Internal gains	690 Btuh
Ventilation	0 Btuh
Infiltration	3713 Btuh
Total latent equip. load	4403 Btuh
Total equipment load	23899 Btuh

Heating Equipment Summary

Make	RUUD AIR COND
Trade	Ruud UPMB Series
UPMB-036JA	
Efficiency	8.0 HSPF
Heating input	0 Btuh
Heating output	0 Btuh
Heating temp rise	0 °F
Actual heating fan	1150 cfm
Heating air flow factor	0.041 cfm/Btuh
Space thermostat	

Cooling Equipment Summary

Make	RUUD AIR COND
Trade	Ruud UPMB Series
UPMB-036JA	
UBHJ-21+RCHJ-36A2	
Efficiency	13.0 SEER
Sensible cooling	24500 Btuh
Latent cooling	10500 Btuh
Total cooling	35000 Btuh
Actual cooling fan	1150 cfm
Cooling air flow factor	0.057 cfm/Btuh
Load sensible heat ratio	82 %

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



RIGHT-J SHORT FORM Entire House

LARRY RESMONDO A/C

Job: TRISH McFEE LOT 34
PARNELL HILLS 3/28/06

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

Project Information

For: WOODMAN PARK BUILDERS
P.O. BOX 3535, LAKE CITY, FL 32056
Phone: 386-755-2411 Fax: 386-755-1126

Design Information

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

HEATING EQUIPMENT

Make RUUD AIR COND
Trade Ruud UPMB Series
UPMB-036JA

Efficiency 8.0 HSPF
Heating input 0 Btuh
Heating output 0 Btuh
Heating temperature rise 0 °F
Actual heating fan 1150 cfm
Heating air flow factor 0.041 cfm/Btuh

Space thermostat

COOLING EQUIPMENT

Make RUUD AIR COND
Trade Ruud UPMB Series
UPMB-036JA
UBHJ-21+RCHJ-36A2

Efficiency 13.0 SEER
Sensible cooling 24500 Btuh
Latent cooling 10500 Btuh
Total cooling 35000 Btuh
Actual cooling fan 1150 cfm
Cooling air flow factor 0.057 cfm/Btuh

Load sensible heat ratio 82 %

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
WHOLE HOUSE	1762	27904	20099	1150	1150
Entire House	1762	27904	20099	1150	1150
Ventilation air		0	0		
Equip. @ 0.97 RSM			19496		
Latent cooling			4403		
TOTALS	1762	27904	23899	1150	1150

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

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787

PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

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

DATE REQUESTED: 3/31/2006 DATE ISSUED: 4/4/2006

ENHANCED 9-1-1 ADDRESS:

175 NW BRONCO TER

LAKE CITY FL 32055

PROPERTY APPRAISER PARCEL NUMBER:

10-3S-16-02055-034

Remarks:

LOT 34 PARNELL HILLS UNIT 1 S/D

Address Issued By:


Columbia County 9-1-1 Addressing / GIS Department

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

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2004 and FLORIDA RESIDENTIAL CODE 2004 WITH AMENDMENTS ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 16 OF THE FLORIDA BUILDING CODE 2004 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1609 SHALL BE USED.

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

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

APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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

Applicant	Plans Examiner	
☒	☐	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☒	☐	Designers name and signature on document (FBC 106.1). If licensed architect or engineer, official seal shall be affixed.
☒	☐	<u>Site Plan including:</u> a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☒	☐	<u>Wind-load Engineering Summary, calculations and any details required</u> Plans or specifications must state compliance with FBC Section 1609. The following information must be shown as per section 1603.1.4 FBC a. Basic wind speed (3-second gust), miles per hour (km/hr). b. Wind importance factor, I_w , and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7. c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated. d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient. e. Components and Cladding. The design wind pressures in terms of psf (kN/m^2) to be used for the design of exterior component and cladding materials not specially designed by the registered design professional.
☒	☐	<u>Elevations including:</u> a) All sides b) Roof pitch c) Overhang dimensions and detail with attic ventilation

☒	☐
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☐	☐

d) Location, size and height above roof of chimneys.

e) Location and size of skylights

f) Building height

e) Number of stories

Floor Plan including:

a) Rooms labeled and dimensioned.

b) Shear walls identified.

c) Show product approval specification as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 (see attach forms).

d) Show safety glazing of glass, where required by code.

e) Identify egress windows in bedrooms, and size.

f) Fireplace (gas vented), (gas non-vented) or wood burning with hearth, (Please circle applicable type).

g) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails.

h) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan including:

a) Location of all load-bearing wall with required footings indicated as standard or monolithic and dimensions and reinforcing.

b) All posts and/or column footing including size and reinforcing

c) Any special support required by soil analysis such as piling

d) Location of any vertical steel.

Roof System:

a) Truss package including:

1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
2. Roof assembly (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

b) Conventional Framing Layout including:

1. Rafter size, species and spacing
2. Attachment to wall and uplift
3. Ridge beam sized and valley framing and support details
4. Roof assembly (FBC 106.1.1.2) Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

a) Masonry wall

1. All materials making up wall
2. Block size and mortar type with size and spacing of reinforcement
3. Lintel, tie-beam sizes and reinforcement
4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation
6. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
7. Fire resistant construction (if required)
8. Fireproofing requirements
9. Shoe type of termite treatment (termiticide or alternative method)
10. Slab on grade
 - a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
 - b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
11. Indicate where pressure treated wood will be placed
12. Provide insulation R value for the following:
 - a. Attic space
 - b. Exterior wall cavity

c. Crawl space (if applicable)

b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)
7. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiticide or alternative method)
11. Slab on grade
 - a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
 - b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
 - a. Attic space
 - b. Exterior wall cavity
 - c. Crawl space (if applicable)

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

Floor Framing System:

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

Plumbing Fixture layout

Electrical layout including:

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

HVAC information

- a) Energy Calculations (dimensions shall match plans)
- b) Manual J sizing equipment or equivalent computation
- c) Gas System Type (LP or Natural) Location and BTU demand of equipment

Disclosure Statement for Owner Builders

*****Notice Of Commencement Required Before Any Inspections Will Be Done**

Private Potable Water

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

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:1SVH487-Z0213152632

Truss Fabricator: Anderson Truss Company
Job Identification: 6-095--Owner_Builder Patricia McFee -- , **
Truss Count: 17
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: BRCLBSUB-A11015EE-GBLLETIN-

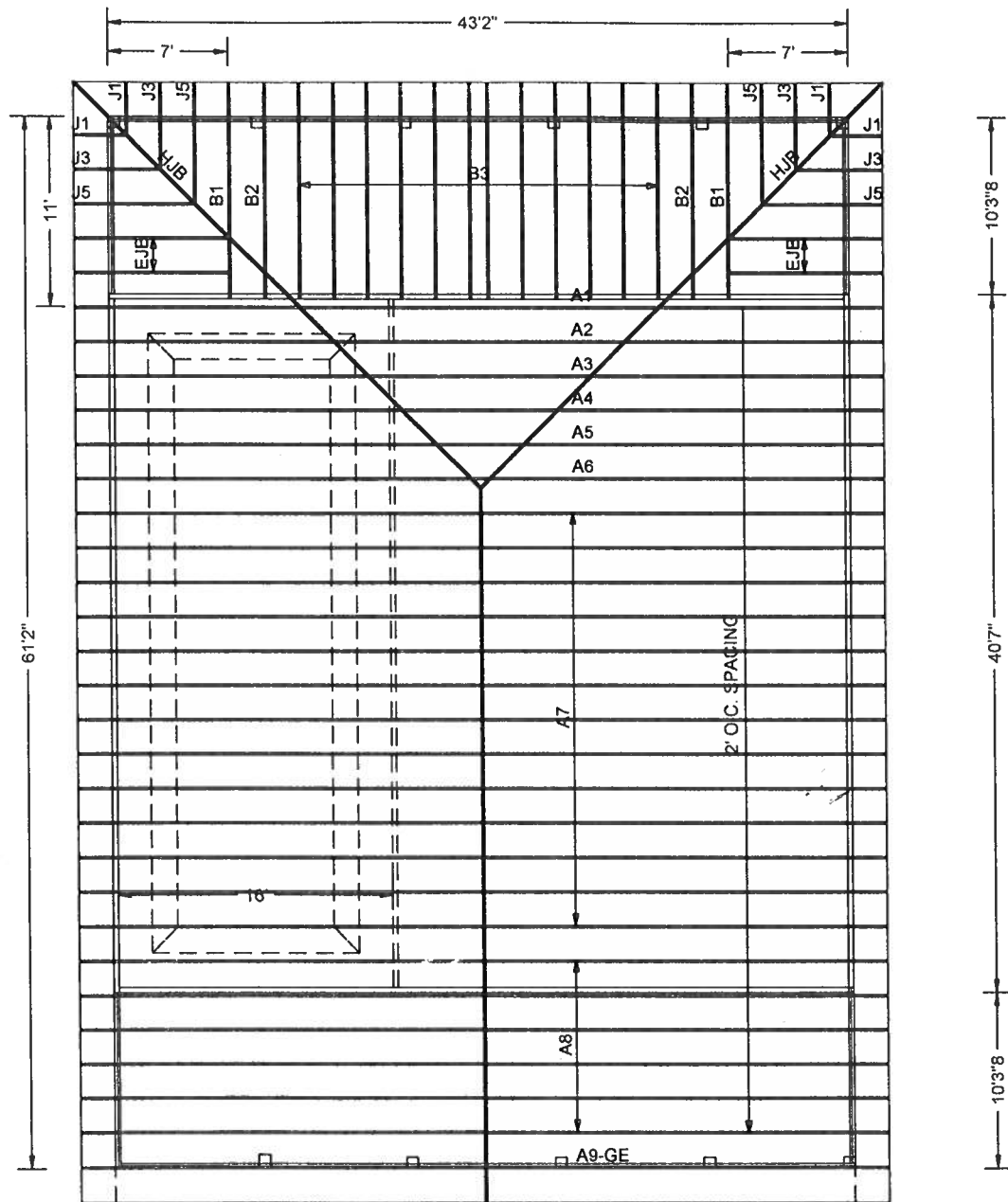


Seal Date: 03/13/2006

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

#	Ref	Description	Drawing#	Date
1	86575--A1		06072017	03/13/06
2	86576--A2		06072024	03/13/06
3	86577--A3		06072025	03/13/06
4	86578--A4		06072026	03/13/06
5	86579--A5		06072027	03/13/06
6	86580--A6		06072028	03/13/06
7	86581--A7		06072029	03/13/06
8	86582--A8		06072018	03/13/06
9	86583--A9-GE		06072030	03/13/06
10	86584--B1		06072031	03/13/06
11	86585--B2		06072019	03/13/06
12	86586--B3		06072020	03/13/06
13	86587--HJB		06072032	03/13/06
14	86588--EJB		06072021	03/13/06
15	86589--J5		06072022	03/13/06
16	86590--J3		06072023	03/13/06
17	86591--J1		06072033	03/13/06





3/13/06

#6-095 PATRICIA McFEE

Scale: 3/32" = 1'

755-4363
 cell 561-601-6540 Patricia
 cell 561-601-6539 Kitty

(b) 095 - Owner: Builder Patricia McFee

Top chord 2x4 SP #2 Dense

Bot chord 2x4 SP #2 Dense

Web 2x4 SP #3

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

Deflection meets L/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 6.50 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.

Scale = .125" / Ft.

REF R487 -- 86575

DATE 03/13/06

DRW HCUSR487 06072017

HC-ENG JB/AF

SEQN- 2892

JREF- 1SVH487_Z02

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

ARTHUR R. FISHER

No. 59887

STATE OF FLORIDA

Professional Engineer

Man 11/06

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO CSI L100 BUILDING PRODUCT SAFETY INFORMATION FOR TRUSSES. THE TRUSS MANUFACTURER'S INSTRUCTIONS MUST BE FOLLOWED. THE TRUSS MUST BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. THE TRUSS MUST BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. THE TRUSS MUST BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (M/H/S/K) ASTM A653 GRADE 40/60 (M. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002, SEC.3. A SEAL ON THIS DESIGN SHOWS THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

FL Certificate of Authorization # 567 Haines City, FL 33944	BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.	SPACING 24.0"	JREF- 1SVH487_Z02
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FL Certificate of Authorization # 567	Haines City, FL 33844	DESIGNER'S SUFFICIENCY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/SP1 1 SEC. 2.	SPACING 24.0"	JREF- 1SVH487_Z02
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Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense :B3 2x6 SP #1 Dense:
Webs 2x4 SP #3 :W2 2x4 SP #2 Dense:

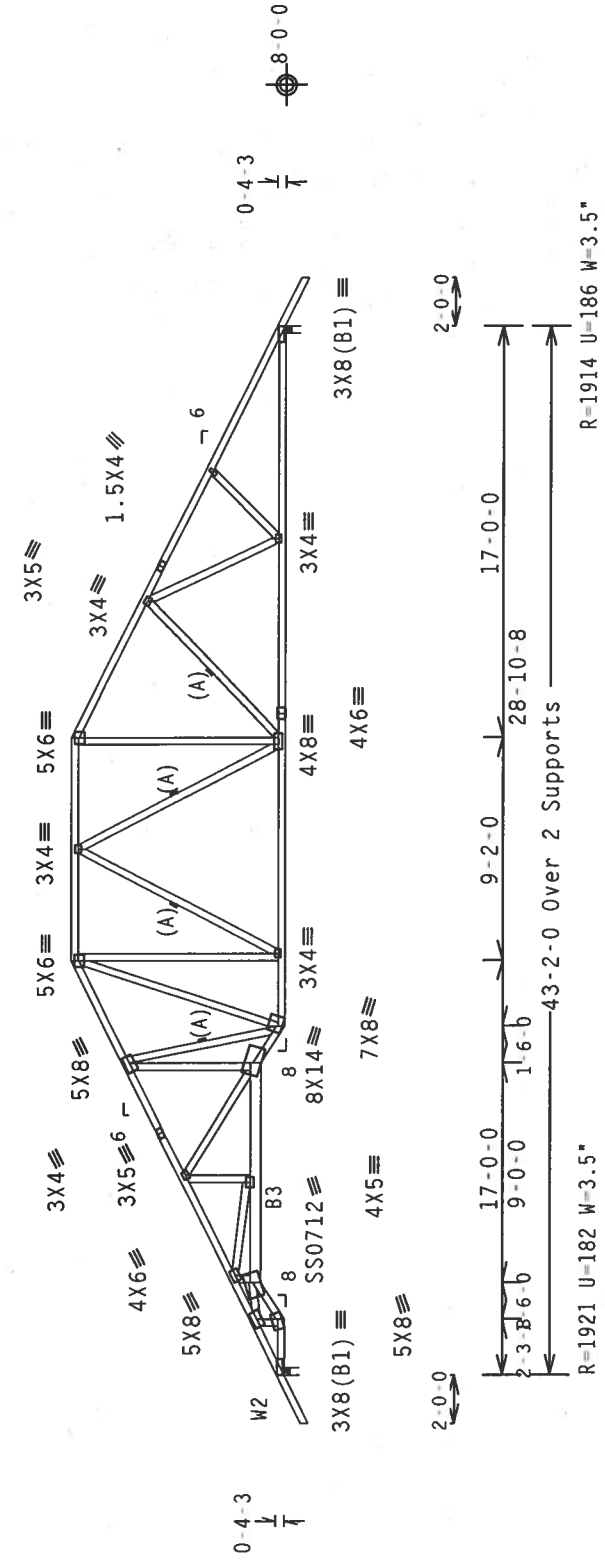
Calculated horizontal deflection is 0.15" due to live load and 0.22" due to dead load.

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 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

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



PLT TYP. 18 Gauge HS.Wave

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

Scale = .125" / Ft.

TC LL	20.0 PSF	REF	R487--	86578
TC DL	10.0 PSF	DATE	03/13/06	
BC DL	10.0 PSF	DRW	HCUSR487	06072026
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	2864	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SVH487_202	

ALPINE

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

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1'-0" (BUILDING COMPONENT SAFETY) FOR MORE INFORMATION. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MDS (NATIONAL DESIGN SPEC. BY AFSPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W.H/S/K) ASTM A653 GRADE 40/60 (M. K/H.S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

SEAL OF
STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 59687
R. FISHER
EXPIRATION DATE 03/13/06

Mar 13 '06

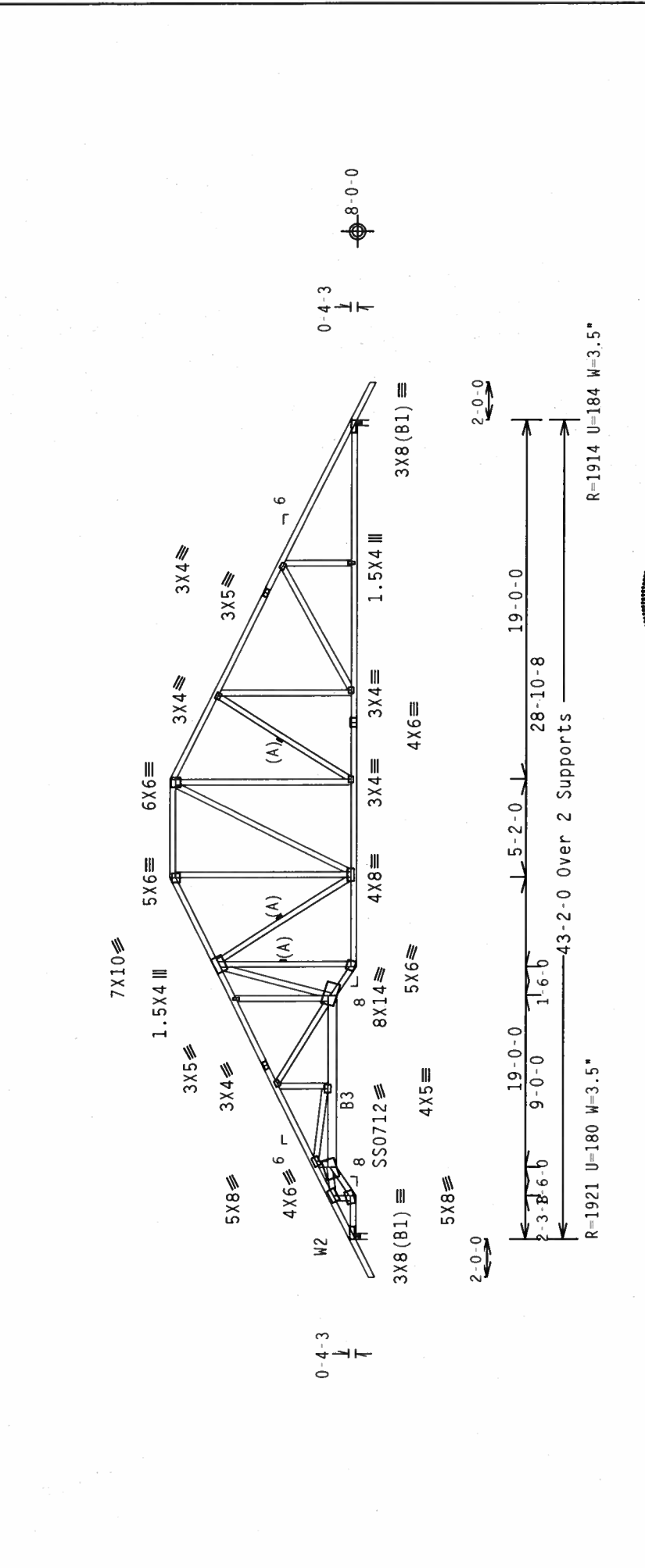
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense :B3 2x6 SP #1 Dense:
Webs 2x4 SP #3 :W2 2x4 SP #2 Dense:

Calculated horizontal deflection is 0.14" due to live load and 0.21" 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 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

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



PLT TYP. 18 Gauge HS.Wave

Design Crit: TPI-2002(STD)/FBC

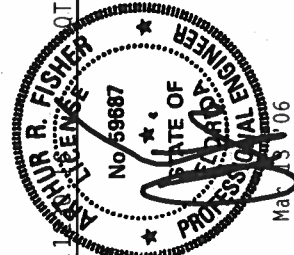
Cg/RT=1.00(1.25)/10(0) 7.24.1

Scale =.125"/Ft.

TC LL	20.0 PSF	REF	R487--	86579
TC DL	10.0 PSF	DATE	03/13/06	
BC DL	10.0 PSF	DRW	HCUSR487	06072027
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	2852	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SVH487_Z02	

ALPINE

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



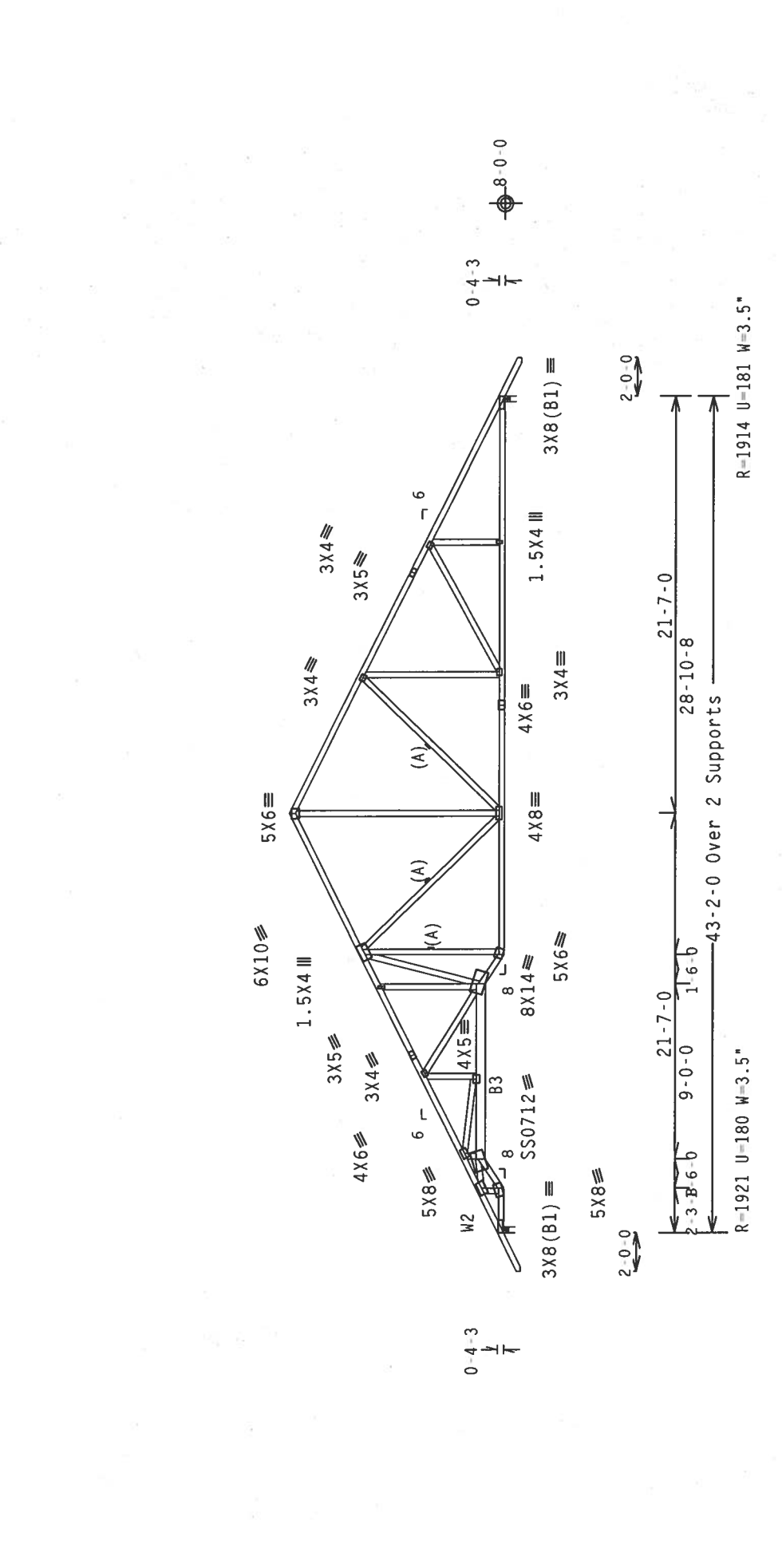
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 O'DONELLO DR., SUITE 200, MADISON, WI 53719) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATION, 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. MAKES NO WARRANTY, EXPRESS OR IMPLIED, FOR THE TRUSS OR ITS PERFORMANCE. ANY INSPECTION OF PLATES FOLLOWED BY THE DESIGNER OR THE INSTALLATION CONTRACTOR SHALL BE THE RESPONSIBILITY OF THE DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

top chord 2x4 SP #2 Dense
 not chord 2x4 SP #2 Dense :B3 2x6 SP #1 Dense:
 Webs 2x4 SP #3 :W2 2x4 SP #2 Dense:

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

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.18

ULT TYP. 18 Gauge HS,Wave
Scale = .125"/Ft.

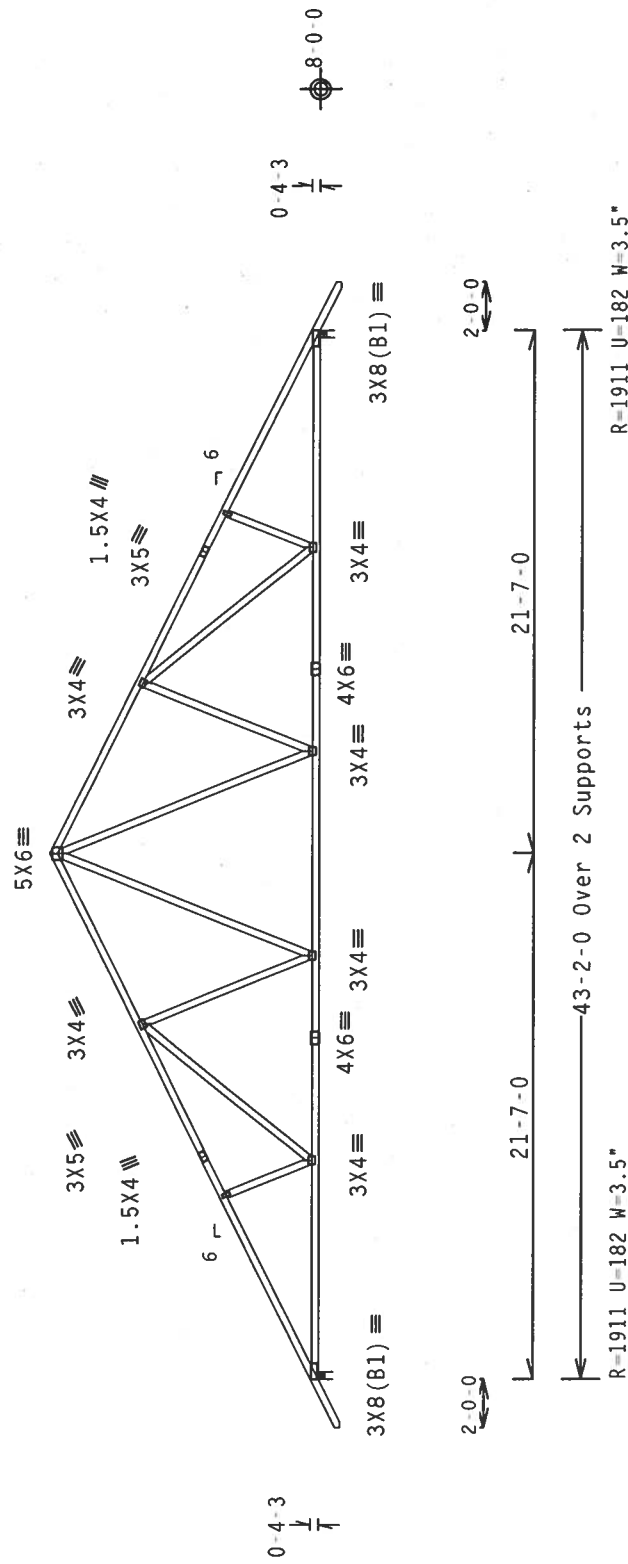
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.
 REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 583
 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE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

[illegible]

110 mph wind, 15.00 ft mean ht, 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.

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

PLT TYP. Wave

 $C\alpha/RT=1.00(1.25)/10(0)$ 7.24.13

QTY:6 FL/-/4/-/-/R/-

Scale = .125"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO CESI (COLUMBIA ENGINEERING SYSTEMS, INC.) INFORMATION, PUBLISHED BY FPI (FRUSS PLATE INSTITUTE, 583 O'DONOPHO RD., SUITE 100, MADISON, WI 53716) AND CESI (COLUMBIA ENGINEERING SYSTEMS, INC., 10000 N. 26TH AVE., SUITE 100, MADISON, WI 53719) FOR SAFE PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. TRUSSES OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

***IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, ALPINE ENGINEERS PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFPA) AND TP1: ALPINE TRUSS SYSTEMS. THE TRUSS SHALL BE FABRICATED TO THE FOLLOWING SPECIFICATIONS: TP1: ALPINE TRUSS SYSTEMS. PLATES TO EACH FACE OF TROUSERS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWING 160A.2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP1: 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. NO OTHER DESIGNER'S RESPONSIBILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. SEE DRAWING 160A.2 FOR TRUSS SYSTEMS.



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

FL Certificate of Authorization # 567

TC LL	20.0	PSF	REF	R487 --	86582
TC DL	10.0	PSF	DATE	03/13/06	
BC DL	10.0	PSF	DRW	HCUSR487	06072018
BC LL	0.0	PSF	HC-ENG	JB/AF	*
TOT.LD.	40.0	PSF	SEQN-	2818	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1SVH487_	Z02

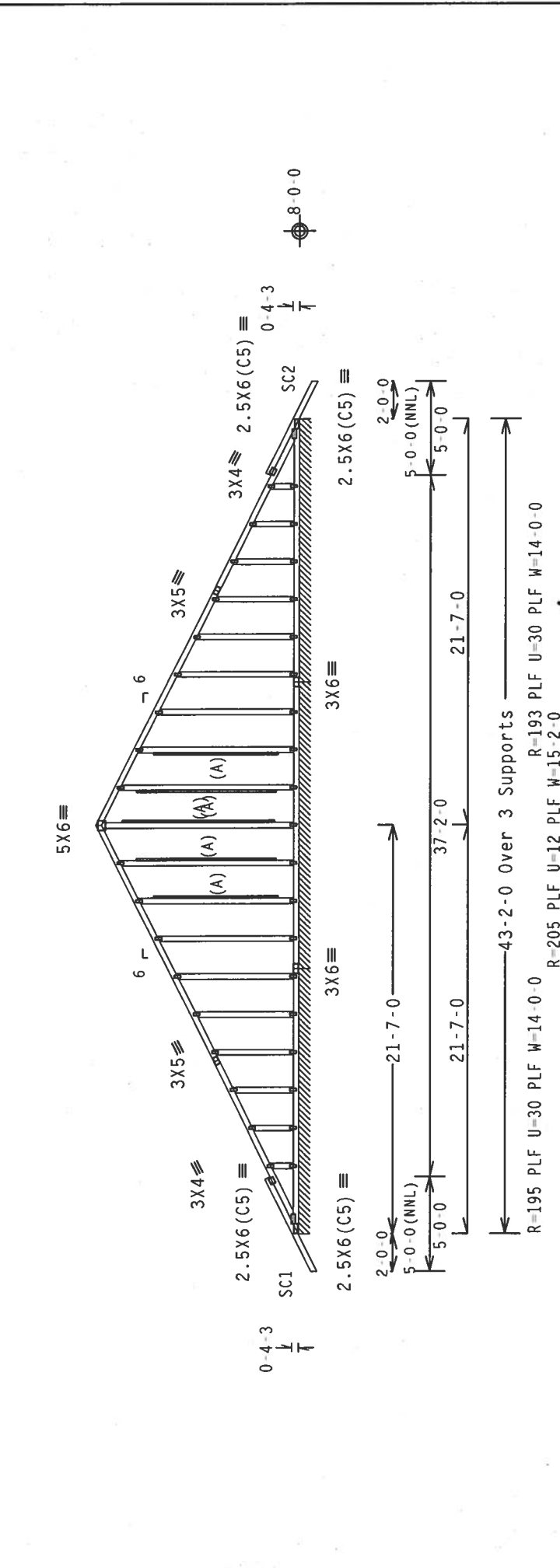
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
Stack Chord SC1 2x4 SP #2 Dense:
Stack Chord SC2 2x4 SP #2 Dense:

See DWGS A11015EE0405 & GBLLEIIN0405 for more requirements.
(A) 1x4 SP #3 or better "L" brace, 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5".min.)nails @ 6" OC.
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 hot, 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.
Gable end supports 8" max rake overhang.

Stacked top chord must NOT be notched or cut in area (NML). Dropped top chord braced at 24" o.c. intervals. Attach stacked top chord (SC) to dropped top chord in notched area using 3x4 tie-plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notched area using 3x6.

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



Note: All Plates Are 1.5x4 Except As Shown.
Design Crit: TPI-2002(STD)/FBC
Cg/RT=1.00(1.25)/10(0) 7.24.1
PLT TYP. Wave

Scale = .125" / Ft.

TC LL	20.0 PSF	REF	R487--	86583
TC DL	10.0 PSF	DATE	03/13/06	
BC DL	10.0 PSF	DRW	HCUSR487	06072030
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	2947	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SVH487_Z02	

Professional Engineer
R. FISHER
No. 59887
STATE OF FLORIDA
Professional Engineer
Mar '06

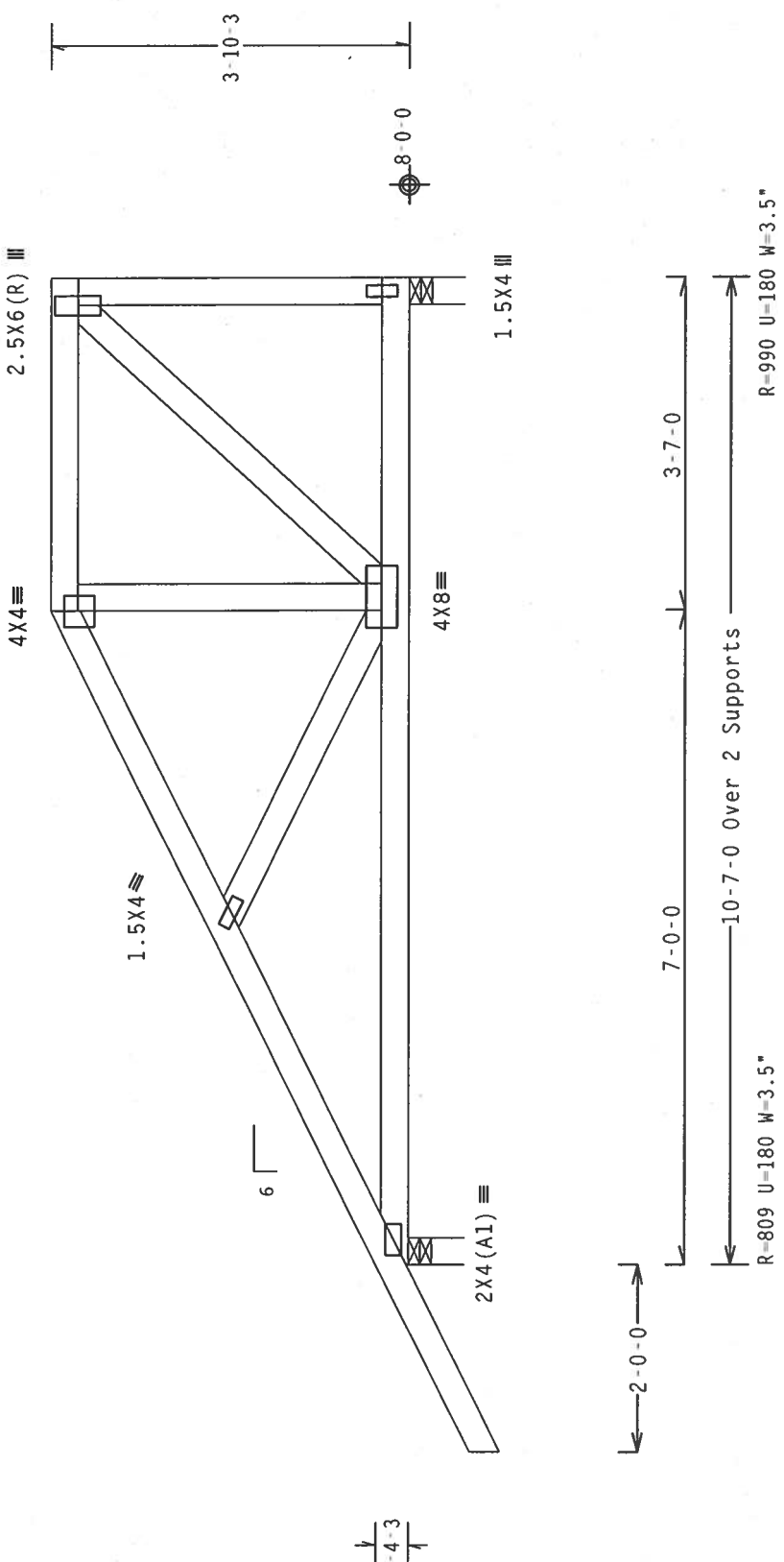
ALPINE
Alpine Engineered Products, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 557

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

In lieu of structural panels or rigid ceiling use purlins to brace 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.

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.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12

Scale = .5" / Ft.

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

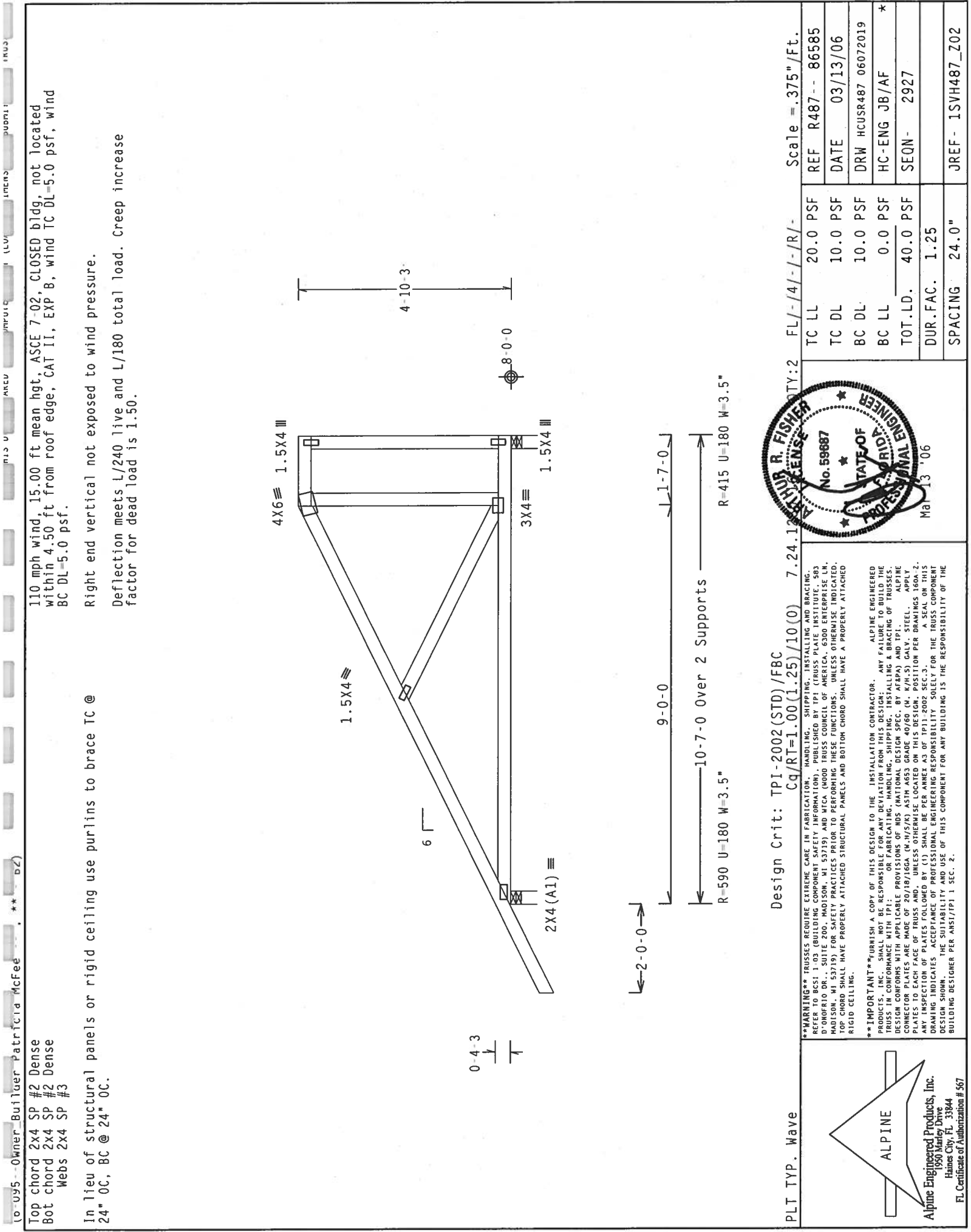
REF R487 -- 86584
DATE 03/13/06
DRW HCUR487 06072031
HC-ENG JB/AF
SEQN- 2920
JREF- 1SVH487_Z02

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

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

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



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 8, 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.

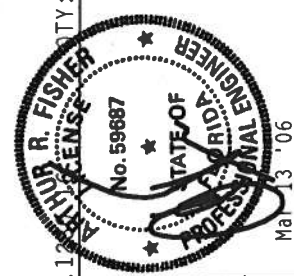
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12

PLT TYP. Wave

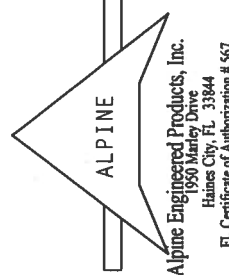
Scale = .375"/Ft.

REF	DATE	DRW	HC-ENG	SEQN	JREF
R487--	03/13/06	HCUSR487	JB/AF	2927	1SVH487_Z02



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

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



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

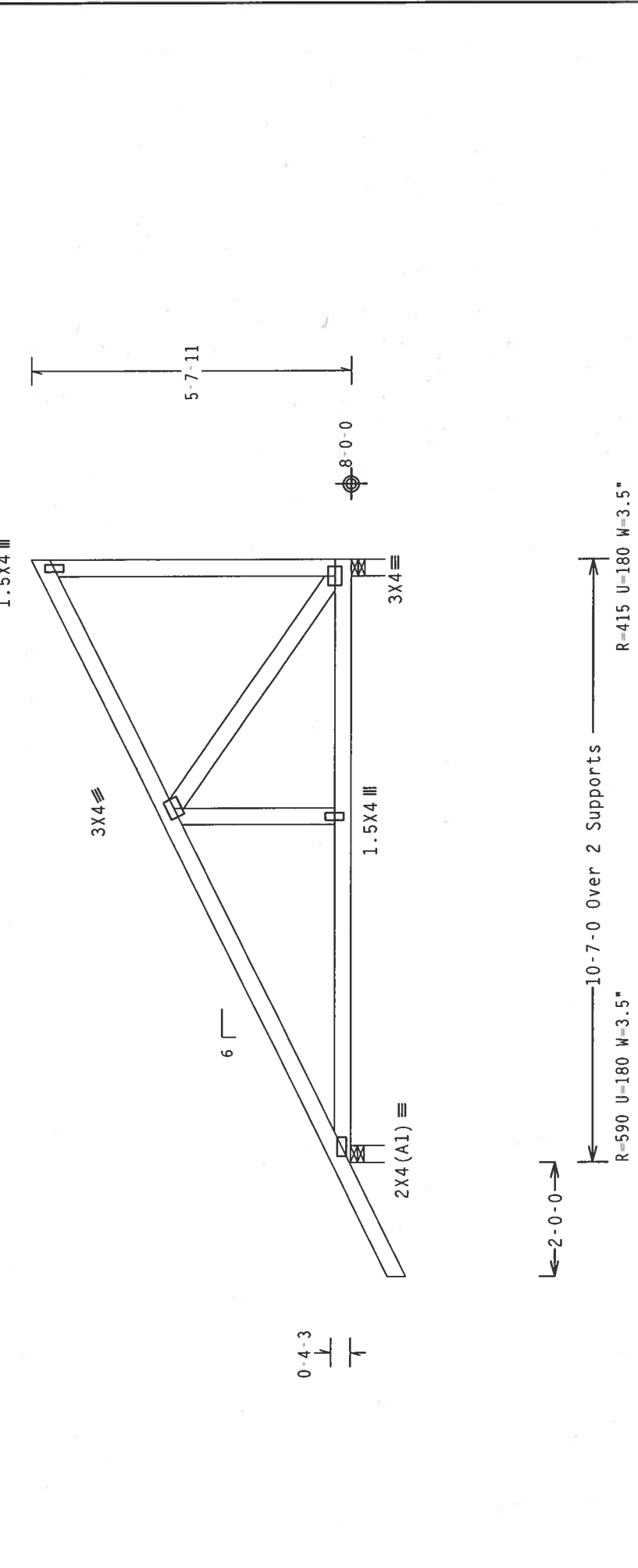
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

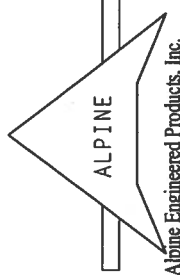
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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.

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





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

PLT TYP. Wave

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

Scale = .375" / Ft.

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

REF R487-- 86586
DATE 03/13/06
DRW HCUSR487 06072020
HC-ENG JB/AF
SEQN- 2935
JREF- 1SVH487_Z02

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

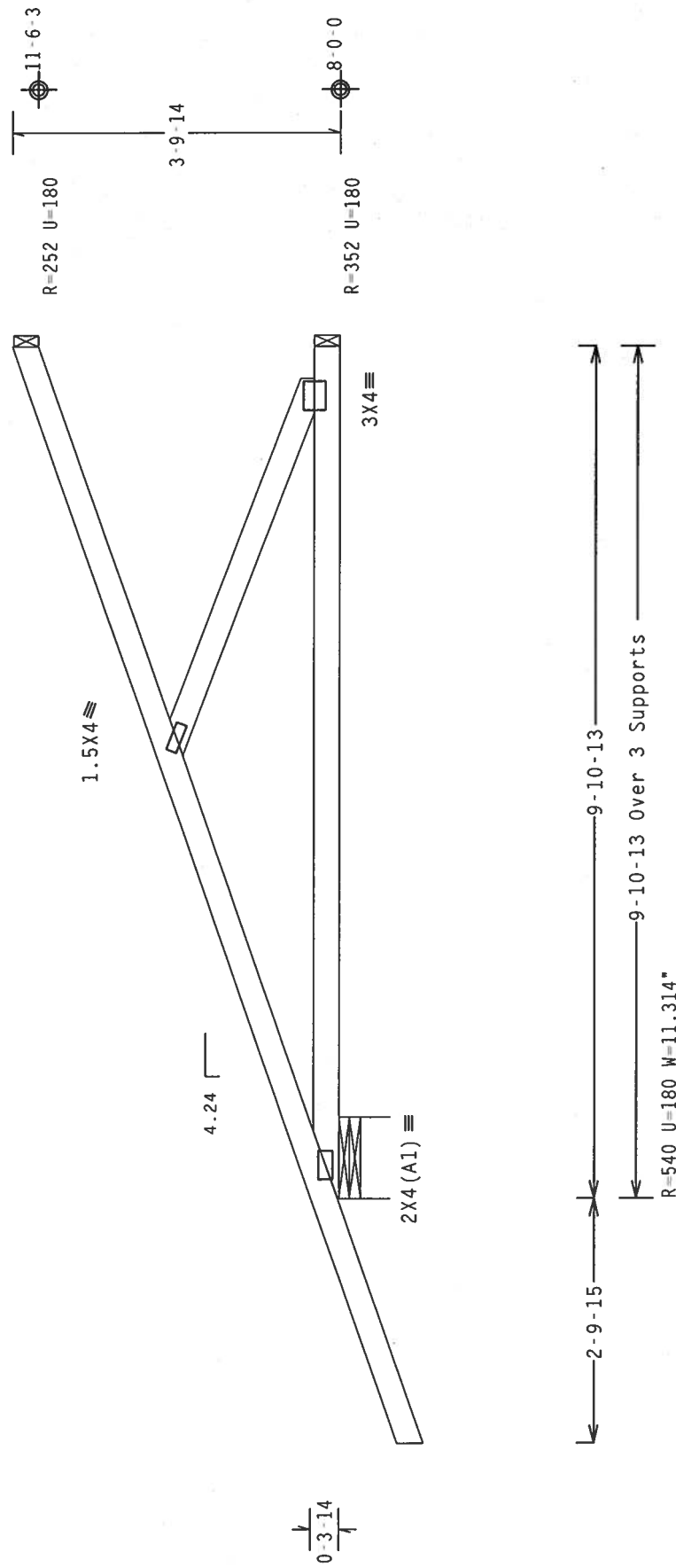
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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.

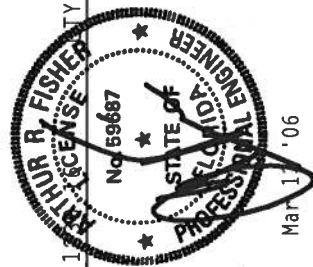
Hipjack supports 7-0-0 setback jacks with no webs.

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

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

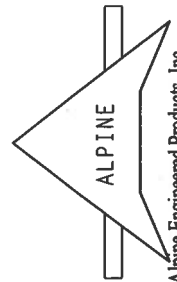
Scale = .5"/Ft.

TC LL	20.0	PSF	REF R487 - - 86587
TC DL	10.0	PSF	DATE 03/13/06
BC DL	10.0	PSF	DRW HCUSR487 06072032
BC LL	0.0	PSF	HC-ENG JB/AF
TOT.LD.	40.0	PSF	SEQN- 2942
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1SVH487_Z02



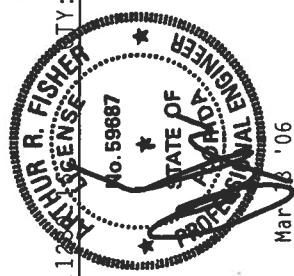
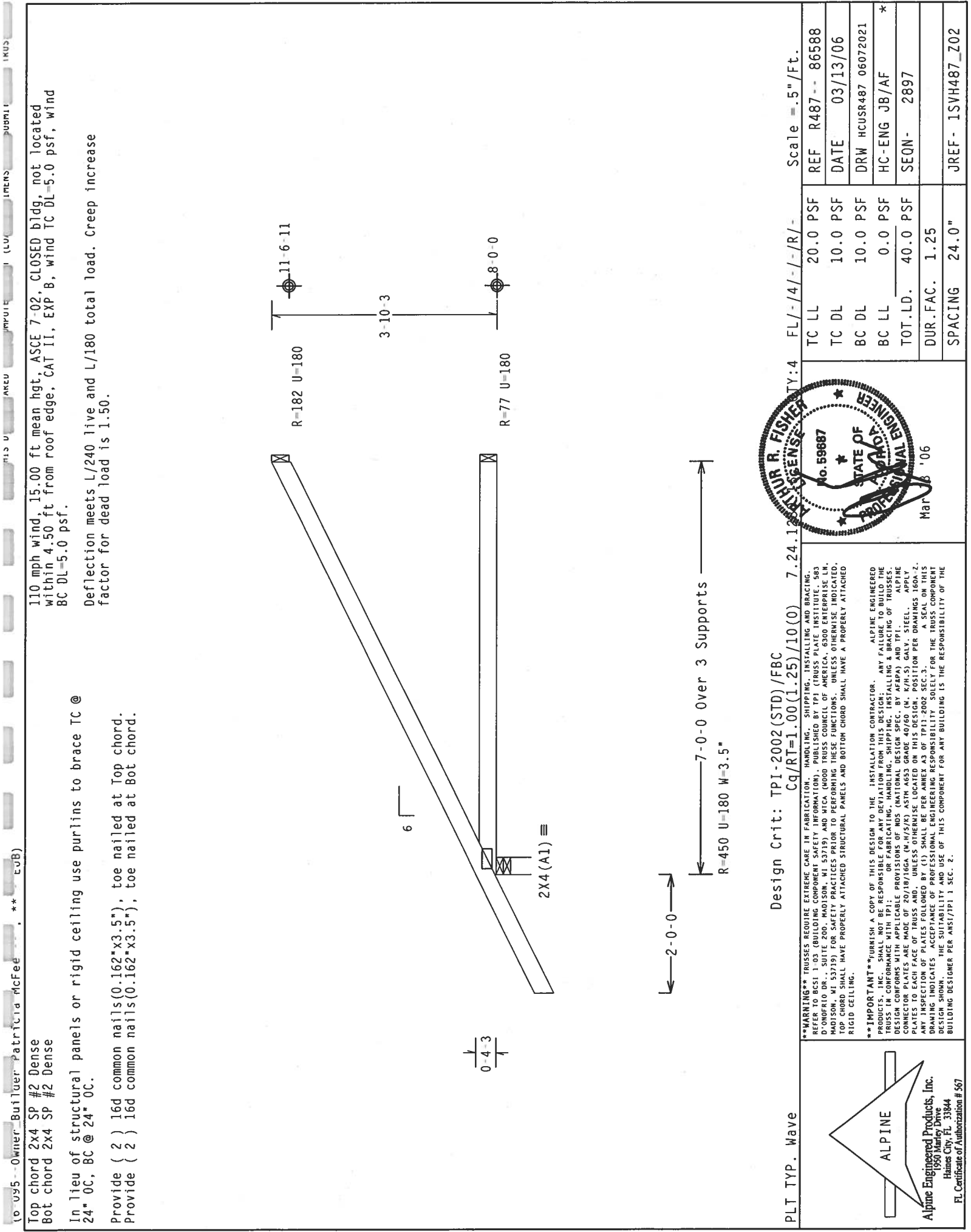
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

IMPORTANTFURNISH 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. CORROSION PROTECTION OF TRUSSES (WATERTIGHT DESIGN SPEC. OF ALPINE) AND TYPICAL ALPINE TRUSS CONNECTION PLATES ARE MADE OF 2016/T6 ALUMINUM. GALVANNEAL PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER TRUSSES 1600-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPI-2002 SEC.3. A SEAL OR THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING SHOWN. THE SUSTAINABLE USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANTI/TPI 1 SEC. 2.



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

FL Certificate of Authorization #
Haines City, FL 33844



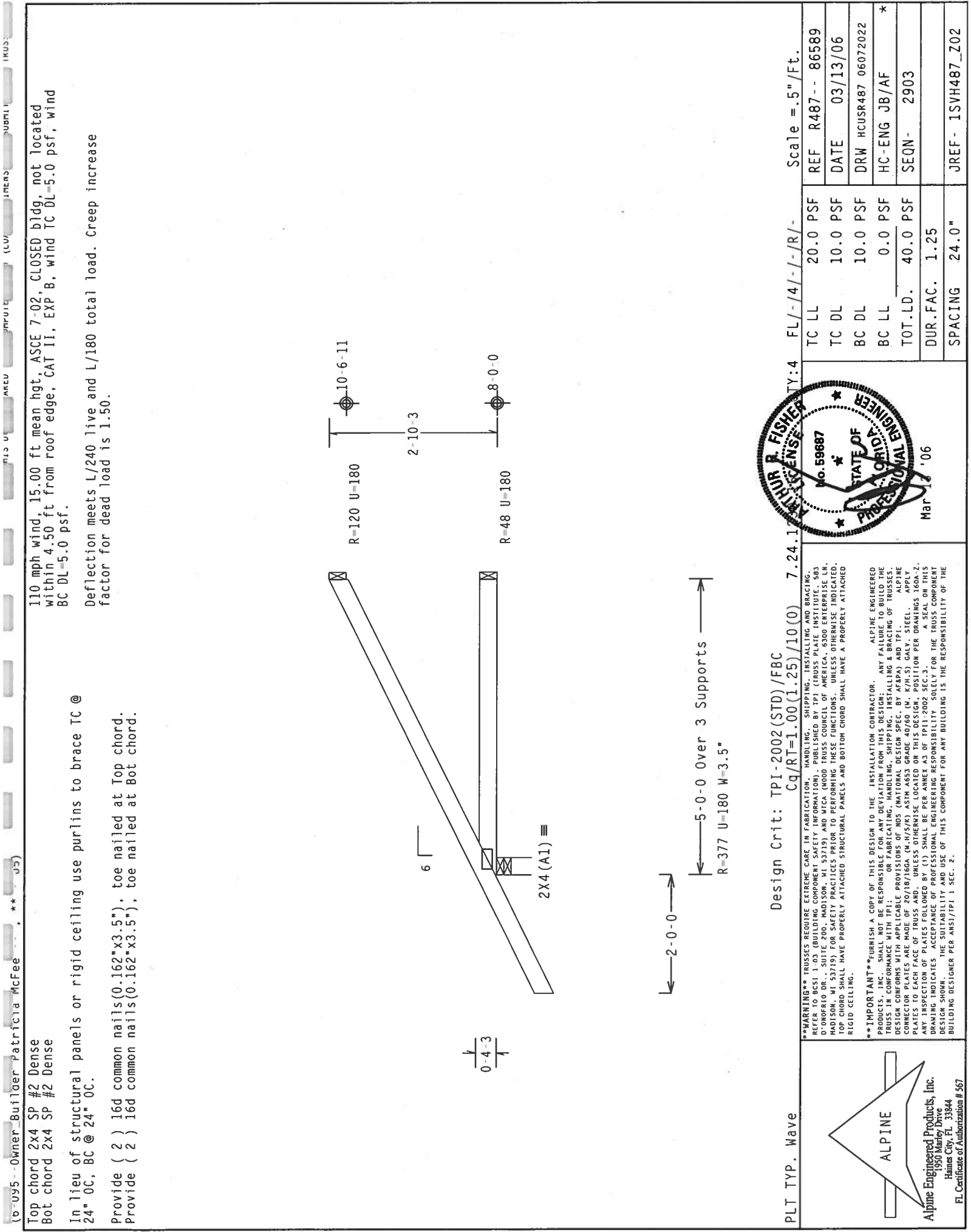
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI, TRUSS PLATE AND BRACING, D'ONOFIO DR., SUITE 200, MADISON, WI 53719, AND WCA WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE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

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

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

PLT TYP. Wave	Scale = .5" / Ft.
REF R487 --	86588
DATE	03/13/06
DRW HCUSR487	06072021
HC-ENG JB/AF	*
SEON-	2897
DUR.FAC.	1.25
SPACING	24.0"
JREF-	1SVH487_Z02

TY:4	FL/-/4/-/R/-	TC LL	20.0 PSF
		TC DL	10.0 PSF
		BC DL	10.0 PSF
		BC LL	0.0 PSF
		TOT.LD.	40.0 PSF
		DUR.FAC.	1.25
		SPACING	24.0"
		JREF-	1SVH487_Z02



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 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.

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

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.

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

Scale = .5" / Ft.

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

PLT TYP. Wave

ALPINE

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

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

Scale = .5" / Ft.

PLT TYP. Wave

ALPINE

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

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

Scale = .5" / Ft.

PLT TYP. Wave

ALPINE

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

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

Scale = .5" / Ft.

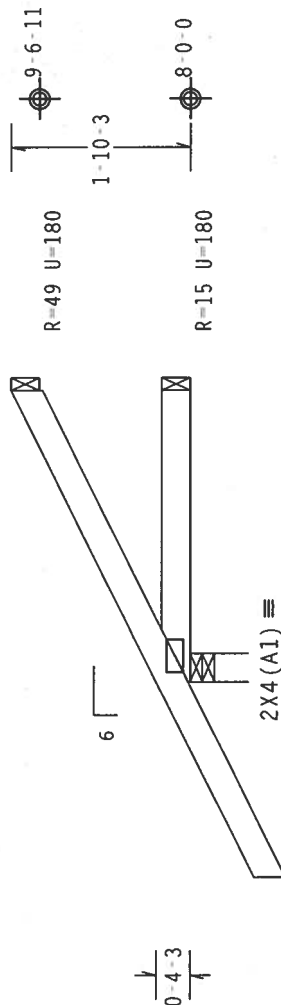
Top chord	2x4	SP	#2	Dense
Bot chord	2x4	SP	#2	Dense

1110 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.

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

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



3-0-0 Over 3 Supports
R=317 U=180 W=3.5"

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

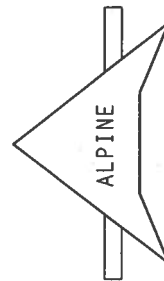
Scale = .5"/Ft.

TC LL	20.0 PSF	REF	R487 --	86590
TC DL	10.0 PSF	DATE	03/13/06	
BC DL	10.0 PSF	DRW	HCUSR487	06072023
BC LL	0.0 PSF	HC-ENG	JB/AF	*
TOT.LD.	40.0 PSF	SEQN-	2909	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SVH487_Z02	



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PACE INSTITUTE, 583 D'UNFOYD DR., SUITE 210, MADISON, WI 53715) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53715) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL WALLS HAVE SAFETY ATTACHED STRUCTURAL PAIS AND BOTTOM CHORD SHALL HAVE SAFETY ATTACHED BRACING.

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 THIS OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES DESIGN CONFORMS WITH THE FOLLOWING PROVISIONS: NDS (NATIONAL DESIGN SPEC. BY AREA) AND THE TRUSS COMPANY'S WITH THE FOLLOWING CABLE PROVISIONS: NDS (NATIONAL DESIGN SPEC. BY AREA) AND THE TRUSS COMPANY'S. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TP11-2002 SEC.3. A SEAL ON THE DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANNEX (1) 1 SEC. 2. THE SEAL IS THE ONLY EVIDENCE OF THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX (1) 1 SEC. 2.



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

top chord 2x4 SP #2 Dense
 bot chord 2x4 SP #2 Dense
 in lieu of structural panels or rigid ceiling use purlins to brace TC @
 4" 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.
 Deflection meets L/240 live and L/180 total load. Creep increase

factor for dead load is 1.50:

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

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

[illegible][illegible]
$$\triangle \equiv 2X4(A1)$$

2000

1-0-0 Over 3 Supports

R-361 U-180 W-3.5"

	TYP	Wave	TV-4	EI / - / A / - / B / -	Scale — E ⁿ /E+
IPI-2002 (SID) / FBC					
CQ/PBT=1.00(1.25)/10(0)					
Design Crit:					

[illegible]

REF K48/- - 80591

TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGHT-CELLING.

IC DL 10.0 PSF DATE 03/13/06

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR
 ALPINE ENGINEERING
 10.0 PSF
 BC DL
 DRW HCUSR487 06072033

ALPINE

ALPINE INDUSTRIES, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

ALPINE INDUSTRIES, INC.

HC-ENG JB/AF

0.0 PSF

BC LL

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MDS (NATIONAL DESIGN SPEC. BY AFSPA) AND TPI ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (N-H/S/K) ASTM A653 GRADE 40/60 (N. H/N.5) GALV. STEEL.

Alpine Engineered Products, Inc.

[illegible]

FL Certificate of Authorization # 567	SPACING 24.0"	JREF - ISVH48/___Z02
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CLB WEB BRACE SUBSTITUTION

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

NOTES:

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

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

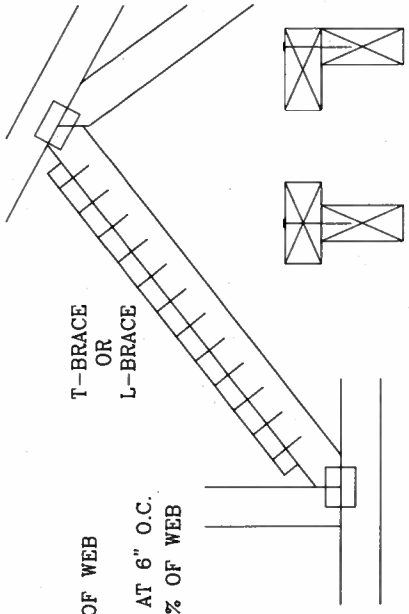
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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

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

T-BRACING
OR
L-BRACING:

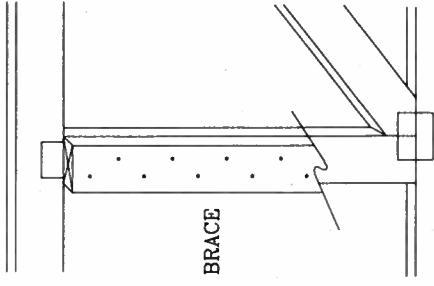
APPLY TO EITHER SIDE OF WEB NARROW FACE
ATTACH WITH 16d NAILS AT 6" O.C.
BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



T-BRACE L-BRACE

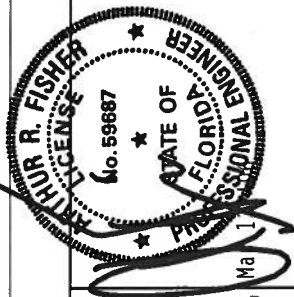
SCAB BRACING:

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



SCAB BRACE

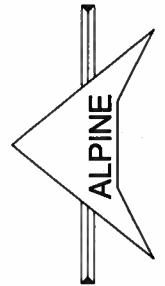
THIS DRAWING REPLACES DRAWING 579.640



WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND ERECTING. THE TRUSS DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN. THE TRUSS DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN. THE TRUSS DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN.

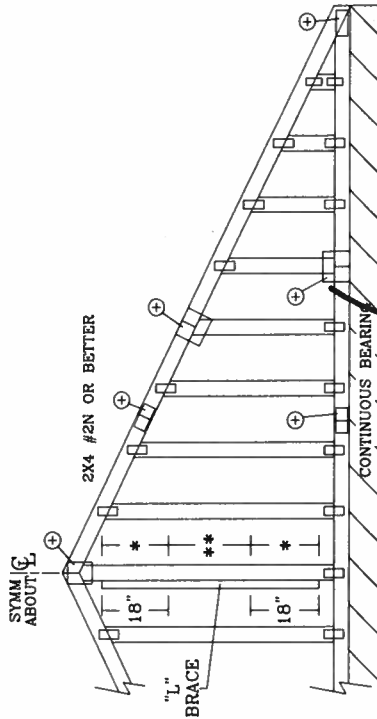
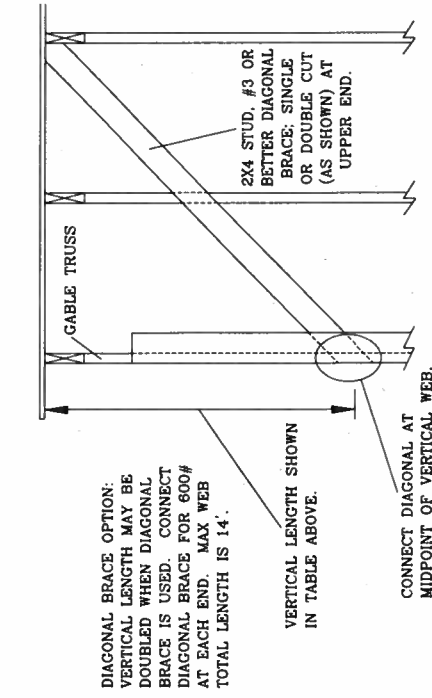
IMPORTANT: FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE TRUSS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE TRUSS DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN.

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	11/26/03
BC DL	PSF	DRWG	BRLBSUB1103
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

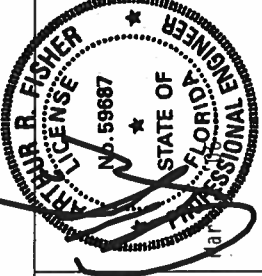


ALPINE ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA

2X4 GABLE VERTICAL SPACING		BRACE GRADE		(1) 1X4 "L" BRACE		(2) 2X4 "L" BRACE		(1) 2X6 "L" BRACE		(2) 2X6 "L" BRACE	
				GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
MAX GABLE VERTICAL LENGTH	12" O.C.	SPF	#1 / #2	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 8"	12' 5"	12' 9"
		HF	#3	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"
		STUD	STANDARD	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 3"	12' 3"
		DFL	#1	5' 2"	5' 2"	6' 9"	6' 9"	9' 1"	9' 1"	10' 7"	10' 7"
24" O.C.	16" O.C.	SP	#2	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"
		HF	#3	6' 2"	6' 2"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 8"
		STUD	STANDARD	6' 1"	6' 1"	7' 11"	6' 11"	9' 4"	9' 11"	12' 5"	12' 6"
		DFL	#1 / #2	5' 3"	5' 3"	6' 11"	6' 11"	9' 4"	9' 4"	10' 10"	10' 10"
12" O.C.	12" O.C.	SPF	#1 / #2	7' 8"	7' 10"	9' 1"	9' 4"	10' 10"	11' 1"	14' 0"	14' 0"
		HF	#3	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"
		STUD	STANDARD	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"
		DFL	#1	6' 4"	6' 4"	8' 4"	8' 4"	10' 10"	10' 10"	12' 11"	12' 11"
16" O.C.	16" O.C.	SP	#2	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"
		HF	#3	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"
		STUD	STANDARD	7' 7"	7' 7"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"
		DFL	#1	7' 6"	7' 6"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"
12" O.C.	12" O.C.	SPF	#1 / #2	6' 5"	6' 5"	8' 6"	8' 6"	10' 10"	11' 1"	13' 3"	13' 3"
		HF	#3	6' 5"	6' 5"	8' 6"	8' 6"	10' 10"	11' 1"	13' 3"	13' 3"
		STUD	STANDARD	6' 5"	6' 5"	8' 6"	8' 6"	10' 10"	11' 1"	13' 3"	13' 3"
		DFL	#1	5' 4"	5' 4"	8' 5"	8' 5"	10' 9"	11' 1"	12' 10"	12' 10"
16" O.C.	16" O.C.	SP	#2	5' 3"	5' 3"	8' 5"	8' 5"	10' 9"	11' 1"	12' 10"	12' 10"
		HF	#3	5' 3"	5' 3"	8' 5"	8' 5"	10' 9"	11' 1"	12' 10"	12' 10"
		STUD	STANDARD	5' 0"	5' 0"	8' 5"	8' 5"	10' 9"	11' 1"	12' 6"	12' 6"
		DFL	#1	4' 11"	4' 11"	8' 5"	8' 5"	10' 9"	11' 1"	12' 3"	12' 3"

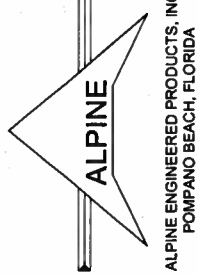


REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.



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

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY REVISIONS TO THIS DESIGN. IT IS THE RESPONSIBILITY OF THE TRUSS FABRICATOR TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (V/H/S/X) ASTM A653 GRADE 40/60 (V/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE PER ANNEX A3 OF TPI 1-2008 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE DESIGN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



BRACING GROUP SPECIES AND GRADES:			
GROUP A:			
SPRUCE-PINE-FIR	HEM-FIR		
#1 / #2	STUD	#2	STUD
STANDARD	STANDARD	#3	STANDARD
DOUGLAS FIR-LARCH			
#3	STUD		
STANDARD	STANDARD		
SOUTHERN PINE			
#3	STUD		
STANDARD	STANDARD		
GROUP B:			
HEM-FIR	DOUGLAS FIR-LARCH		
#1 & BTR	#1		
SOUTHERN PINE			
#1	#2		
DOUGLAS FIR-LARCH			
#1	#2		

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

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

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

ATTACH EACH "L" BRACE WITH 10d NAILS.

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

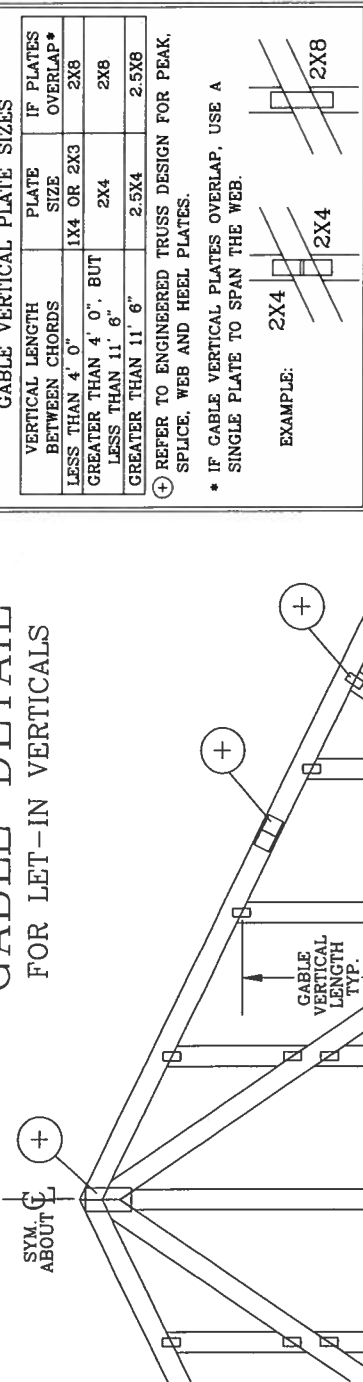
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 16" END ZONES AND 6" O.C. BETWEEN ZONES.

"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 DETAILS.		

REF	ASCE7-02-GAB11015
DATE	04/15/05
DRWG	A11015EE0405
-ENG	
MAX. TOT. LD. 60 PSF	
MAX. SPACING 24.0"	

GABLE DETAIL FOR LET-IN VERTICALS



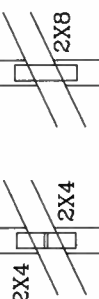
GABLE VERTICAL PLATE SIZES

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

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

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

EXAMPLE:



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

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

WEB LENGTH INCREASE W/ "T" BRACE

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

EXAMPLE:

ASCE WIND SPEED = 100 MPH

MEAN ROOF HEIGHT = 30 FT

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

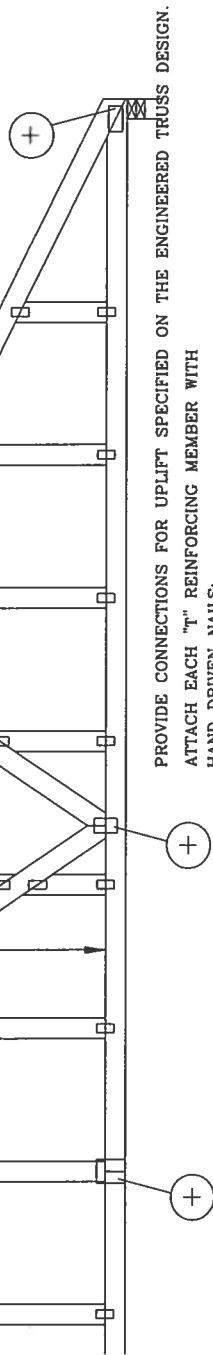
"T" REINFORCING MEMBER SIZE = 2X4

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

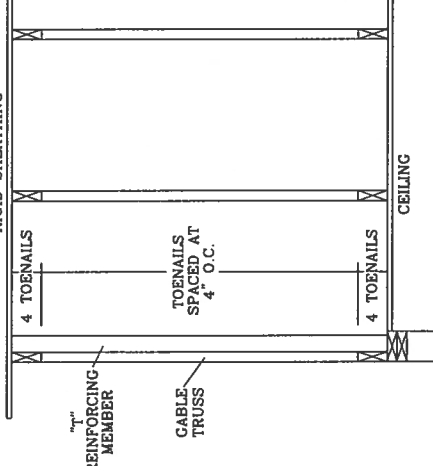
(1) 2X4 "L" BRACE LENGTH = 6' 7"

MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH

1.10 x 6' 7" = 7' 3"



RIGID SHEATHING



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

ASCE 7-93 GABLE DETAIL DRAWINGS

A10015EN1103, A09015EN1103, A08015EN1103, A07015EN1103

A11030EN1103, A10030EN1103, A09030EN1103, A08030EN1103, A07030EN1103

ASCE 7-98 GABLE DETAIL DRAWINGS

A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A08515EC1103

A13030EC1103, A12030EC1103, A11030EC1103, A10030EC1103, A08530EC1103

ASCE 7-02 GABLE DETAIL DRAWINGS

A13015EE0405, A12015EE0405, A11015EE0405, A10015EE0405, A08515EE0405, A13030EE0405, A12030EE0405, A11030EE0405, A10030EE0405, A08530EE0405

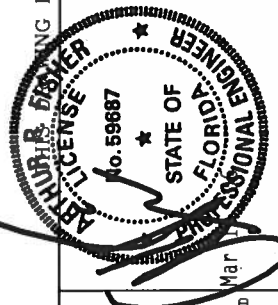
SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCCI WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.

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

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



ALPINE ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA



REPLACES DRAWINGS GAB98117 876.719 & HC26294035

REF	LET-IN VERT
DATE	04/14/05
DRWG	GBLETTIN0405
-ENG	DLJ/KAR
MAX TOT. LD.	60 PSF
DUR. FAC.	ANY
MAX SPACING	24.0"