

DATE 11/02/2005

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000023804

APPLICANT MIKE HERLONG PHONE 497-3991
ADDRESS 337 SW SCATTERED OAKS CT FORT WHITE FL 32038
OWNER FORT WHITE DEVELOPERS PHONE 497-3991
ADDRESS SW PAISLEY CT FORT WHITE FL 32038
CONTRACTOR MIKE HERLONG PHONE 497-1116
LOCATION OF PROPERTY 47 S, L 27, L PAISLEY CT, 6TH LOT ON THE RIGHT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 82350.00
HEATED FLOOR AREA 1647.00 TOTAL AREA 2292.00 HEIGHT 18.00 STORIES 1
FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB
LAND USE & ZONING FORT WHITE MAX. HEIGHT
Minimum Set Back Requirments: STREET-FRONT REAR SIDE
NO. EX.D.U. 0 FLOOD ZONE NA DEVELOPMENT PERMIT NO.

PARCEL ID 34-6S-16-04060-123 SUBDIVISION FORT WHITE PARK
LOT 23 BLOCK PHASE UNIT TOTAL ACRES .50

RB0079433
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
EXISTING 05-1005-N BK JH N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: TOWN OF FORT WHITE LETTER RCIEVED

Check # or Cash 1104

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 \$ 415.00 CERTIFICATION FEE \$ 11.46 SURCHARGE FEE \$ 11.46
MISC. FEES \$.00 ZONING CERT. FEE \$ FIRE FEE \$.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ CULVERT FEE \$ TOTAL FEE 437.92
INSPECTORS OFFICE CLERKS OFFICE

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Columbia County Building Permit Application

ok 1103 paid for JH left Message

Revised 9-23-0

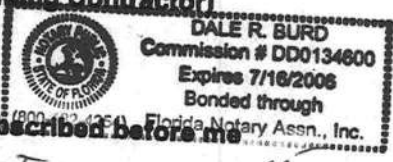
For Office Use Only Application # 0510-54 Date Received 10/18/05 By JW Permit # 23804
 Application Approved by - Zoning Official _____ Date _____ Plans Examiner OK JTH Date 10-25-05
 Flood Zone _____ Development Permit _____ Zoning _____ Land Use Plan Map Category _____
 Comments Town of Fort White Review (not needed)

Applicants Name Fort White Developers, LLC - Huey Hawkins Phone 497-3991
 Address 6855 SW Elm Church Rd. Fort White, Fla. 32038
 Owners Name Fort White Developers, LLC Phone 497-3991
 911 Address SW Paisley Ct. Fort White FL 32038
 Contractors Name Mike Herlong Phone 497-1116
 Address 337 SW Scattered Oaks Ct. Fort White, Fla 32038
 Fee Simple Owner Name & Address Fort White Developers, LLC, Fort White, Fla.
 Bonding Co. Name & Address _____
 Architect/Engineer Name & Address Huey R. Hawkins, 6855 SW Elm Church Rd. Fort White, Fla.
 Mortgage Lenders Name & Address People's State Bank, 530 SW Main Blvd, Lake City Fla.
 Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number 34-65-16-04060-123 Estimated Cost of Construction \$110,000
 Subdivision Name Fort White Park Lot 23 Block _____ Unit _____ Phase _____
 Driving Directions One mile east of SR 47 on US 27, Left on Paisley Ct. 6th Lot on right.

Type of Construction Brick Veneer Number of Existing Dwellings on Property 0
 Total Acreage 0.5 Ac Lot Size 0.5 Ac Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 70 Side 25 Side 25 Rear 100
 Total Building Height 18' Number of Stories 1 Heated Floor Area 1647 Roof Pitch 6/12
Porch 225 GARAGE 420 TOTAL 2292

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.
 OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.
 WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Owner Builder or Agent (Including Contractor)
 STATE OF FLORIDA
 COUNTY OF COLUMBIA
 I, [Signature], am personally known to (or affirmed) and subscribed before me
 is 13 day of Oct 2005.
 personally known ☒ or Produced Identification _____



[Signature]
 Contractor Signature
 Contractors License Number RB-0029433
 Competency Card Number _____
 NOTARY STAMP/SEAL
[Signature]
 Notary Signature

**NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA**

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

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

Tax Parcel ID Number 34-65-16-04060-123

23804

1. Description of property: (legal description of the property and street address or 911 address)
Lot 23, Fort White Park
247 SW Paisley Ct.
Fort White, Fla. 32038
 Inst: 2005025863 Date: 10/18/2005 Time: 11:29
 MK DC, P. DeWitt Cason, Columbia County B: 1062 P: 281
2. General description of improvement: New Home, Brick Veneer, 1647 sq ft
Heated & Cooled 2292 Total sq ft.
3. Owner Name & Address Fort White Developers, LLP
6855 SW Elm Church Rd. Interest in Property 100%
4. Name & Address of Fee Simple Owner (if other than owner): Owner
5. Contractor Name Mike Herlong Phone Number 497-1116
 Address 337 scattered oaks, Fort White, Fla 32038
6. Surety Holders Name _____ Phone Number _____
 Address _____
 Amount of Bond _____
7. Lender Name People's State Bank Phone Number _____
 Address 530 SW Main Blvd, Lake City Fla.
8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:
 Name Huey R. Hawkins Phone Number 497-3991
 Address 6855 SW Elm Church Rd. Fort White, Fla
9. In addition to himself/herself the owner designates Mike Herlong of
Fort White, Fla. to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -
 (a) 7. Phone Number of the designee 497-1116
10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording.
 (Unless a different date is specified) 1 year

NOTICE AS PER CHAPTER 713, Florida Statutes:

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

[Signature]
 Signature of Owner
Fort White Developers, LLP

Sworn to (or affirmed) and subscribed before
 day of Nov 20 05
 18
 NOTARY DALE R. BURD
 Commission # DD0134800
 Expires 7/16/2008
 Bonded through
Florida Notary Assn., Inc.
[Signature]
 Signature of Notary

Town of Fort White

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

CERTIFICATE OF COMPLIANCE & REQUEST FOR ISSUANCE OF BUILDING PERMIT

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

OWNER'S NAME: Fort White Developers, LLP

ADDRESS: 6855 SW Elim Church Rd. Fort White, FL 32038

PROPERTY DESCRIPTION: Lot #23 Fort White Park
(parcel number if possible) 4060-123 (Parcel #)

DEVELOPMENT: Single Family Dwelling

You are hereby authorized to issue the appropriate building permits.

10-17-2005

DATE

Janis S. Revels *ka*
LAND DEVELOPMENT REGULATION
ADMINISTRATOR
TOWN OF FORT WHITE

*2827
492
2827*

District #1
Donald Cook
497-1086

District #2
Henry Maini
497-2992

District #3
John Gloskowski
497-3999

District #4
Demetric Jackson
497-2078

Mayor
Truett George
497-4741

@ CAM112M01	S	CamaUSA Appraisal System	Columbia County
10/18/2005 12:28		Legal Description Maintenance	10500 Land 001
Year T Property	* PRIOR YEAR *	Sel	AG 000
2005 R 34-6S-16-04060-123			Bldg 000
LOT 23 FORT WHITE PARK			Xfea 000
HAWKINS HUEY R & GWENDOLYN P			10500 TOTAL B

1	LOT 23 FORT WHITE PARK.	ORB 753-864,, 760-997,,	2
3	WD 1029-1504.		4
5			6
7			8
9			10
11			12
13			14
15			16
17			18
19			20

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: @ CAM051W01                                     Go To Function :
:                                                                 :
:                                                                 :
:                                                                 :
: F4=Show Available Codes  F5=Refresh  F12=Cancel      Goto: .....
:                                                                 :
:.....
Use F12 to return to current function.

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Columbia County Property Appraiser

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

PARCEL: 34-6S-16-04060-123 - VACANT (000000)

LOT 23 FORT WHITE PARK. ORB 753-864, 760-997, WD 1029-1504.

Name: HAWKINS HUEY R & GWENDOLYN P

Site: FORT WHITE PARK

Mail: 6855 SW ELIM CHURCH RD
FT WHITE, FL 32038

10/11/2004 \$12,500.00 /

2/11/1992 \$57,100.00 /

11/8/1991 \$60,000.00 /

LandVal	\$10,500.00
BldgVal	\$0.00
ApprVal	\$10,500.00
JustVal	\$10,500.00
Assd	\$10,500.00
Exmpt	\$0.00
Taxable	\$10,500.00

0 120 240 360 ft



This information, GIS Map Updated: 8/3/2005, was derived from data which was compiled by the Columbia County

FLORIDA ENERGY EFFICIENCY CODE
FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: Spec House - Lot 23
Address: Lot 23, Sub: Ft White Park, Plat: 6 page 3 & 3A
City, State: Fort White, FL 32046-
Owner: Huey Hawkins
Climate Zone: North
Builder:
Permitting Office: Columbia Co
Permit Number:
Jurisdiction Number: 221000

1. New construction or existing New
2. Single family or multi-family Single family
3. Number of units, if multi-family 1
4. Number of Bedrooms 3
5. Is this a worst case? No
6. Conditioned floor area (ft²) 1647 ft²
7. Glass area & type Single Pane Double Pane
a. Clear glass, default U-factor 0.0 ft² 245.0 ft²
b. Default tint 0.0 ft² 0.0 ft²
c. Labeled U or SHGC 0.0 ft² 0.0 ft²
8. Floor types
a. Slab-On-Grade Edge Insulation R=0.0, 195.0(p) ft
b. N/A
c. N/A
9. Wall types
a. Frame, Wood, Exterior R=13.0, 1231.0 ft²
b. N/A
c. N/A
d. N/A
e. N/A
10. Ceiling types
a. Under Attic R=30.0, 1647.0 ft²
b. N/A
c. N/A
11. Ducts
a. Sup: Unc. Ret: Unc. AH: Interior Sup. R=6.0, 52.0 ft
b. N/A
12. Cooling systems
a. Central Unit Cap: 35.0 kBtu/hr SEER: 10.00
b. N/A
c. N/A
13. Heating systems
a. Electric Heat Pump Cap: 35.0 kBtu/hr HSPF: 7.90
b. N/A
c. N/A
14. Hot water systems
a. Electric Resistance Cap: 30.0 gallons EF: 0.90
b. N/A
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)
15. HVAC credits PT, CF,

Glass/Floor Area: 0.15 Total as-built points: 23037 Total base points: 25624 PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.
PREPARED BY: Tim Delbene
DATE: 10/24/05
I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.
OWNER/AGENT:
DATE:
Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.
BUILDING OFFICIAL:
DATE:
GREAT SEAL OF THE STATE OF FLORIDA
IN GOD WE TRUST

SUMMER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 23, Sub: Ft White Park, Plat: 6 page 3 & 3A, Fort White, FL, 32045 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	1647.0	20.04	5941.1	Double, Clear	S	2.0	5.0	9.0	35.87	0.72	233.5
				Double, Clear	S	2.0	7.0	20.0	35.87	0.82	588.3
				Double, Clear	S	2.0	5.0	6.0	35.87	0.72	155.7
				Double, Clear	W	2.0	7.0	60.0	38.52	0.89	2049.6
				Double, Clear	W	8.0	7.0	26.0	38.52	0.50	497.0
				Double, Clear	W	8.0	7.0	10.0	38.52	0.50	191.1
				Double, Clear	W	10.0	8.0	36.0	38.52	0.48	662.7
				Double, Clear	N	2.0	3.0	3.0	19.20	0.78	44.8
				Double, Clear	N	2.0	7.0	15.0	19.20	0.92	265.6
				Double, Clear	E	2.0	7.0	60.0	42.06	0.89	2235.8
				As-Built Total: 245.0 6924.3							
WALL TYPES Area X BSPM = Points				Type R-Value Area X SPM = Points							
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			13.0	1231.0	1.50		1846.5
Exterior	1231.0	1.70	2092.7								
Base Total: 1231.0 2092.7				As-Built Total: 1231.0 1846.5							
DOOR TYPES Area X BSPM = Points				Type Area X SPM = Points							
Adjacent	21.0	2.40	50.4	Exterior Insulated				21.0	4.10		86.1
Exterior	63.0	6.10	384.3	Exterior Insulated				21.0	4.10		86.1
				Exterior Insulated				21.0	4.10		86.1
				Adjacent Insulated				21.0	1.60		33.6
Base Total: 84.0 434.7				As-Built Total: 84.0 291.9							
CEILING TYPES Area X BSPM = Points				Type R-Value Area X SPM X SCM = Points							
Under Attic	1647.0	1.73	2849.3	Under Attic			30.0	1647.0	1.73 X 1.00		2849.3
Base Total: 1647.0 2849.3				As-Built Total: 1647.0 2849.3							
FLOOR TYPES Area X BSPM = Points				Type R-Value Area X SPM = Points							
Slab	195.0(p)	-37.0	-7215.0	Slab-On-Grade Edge Insulation			0.0	195.0(p)	-41.20		-8034.0
Raised	0.0	0.00	0.0								
Base Total: -7215.0				As-Built Total: 195.0 -8034.0							

SUMMER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 23, Sub: Ft White Park, Plat: 6 page 3 & 3A, Fort White, FL, 32046 PERMIT #:

BASE				AS-BUILT						
INFILTRATION Area X BSPM = Points				Area X SPM = Points						
1647.0 10.21 16815.9				1647.0 10.21 16815.9						
Summer Base Points: 20918.6				Summer As-Built Points: 20693.8						
Total Summer X System = Cooling Points Multiplier Points				Total X Cap X Duct X System X Credit = Cooling Component Ratio Multiplier Multiplier Multiplier Multiplier Points (DM x DSM x AHU)						
20918.6 0.4266 8923.9				20693.8 1.000 (1.090 x 1.147 x 0.91) 0.341 0.902 7252.0 20693.8 1.00 1.138 0.341 0.902 7252.0						

WINTER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 23, Sub: Ft White Park, Plat: 6 page 3 & 3A, Fort White, FL, 32046 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	1647.0	12.74	3776.9	Double, Clear	S	2.0	5.0	9.0	13.30	1.40	167.6		
				Double, Clear	S	2.0	7.0	20.0	13.30	1.17	311.4		
				Double, Clear	S	2.0	5.0	6.0	13.30	1.40	111.7		
				Double, Clear	W	2.0	7.0	60.0	20.73	1.03	1282.5		
				Double, Clear	W	8.0	7.0	26.0	20.73	1.18	637.2		
				Double, Clear	W	8.0	7.0	10.0	20.73	1.18	245.1		
				Double, Clear	W	10.0	8.0	36.0	20.73	1.19	888.5		
				Double, Clear	N	2.0	3.0	3.0	24.58	1.01	74.7		
				Double, Clear	N	2.0	7.0	15.0	24.58	1.00	369.9		
				Double, Clear	E	2.0	7.0	60.0	18.79	1.05	1178.8		
				As-Built Total:							245.0	5267.5	
				WALL TYPES Area X BWPM = Points				Type R-Value Area X WPM = Points					
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0		1231.0	3.40		4185.4			
Exterior	1231.0	3.70	4554.7										
Base Total:				As-Built Total:				1231.0 4185.4					
DOOR TYPES Area X BWPM = Points				Type Area X WPM = Points									
Adjacent	21.0	11.50	241.5	Exterior Insulated				21.0			8.40	176.4	
Exterior	63.0	12.30	774.9	Exterior Insulated				21.0			8.40	176.4	
				Exterior Insulated				21.0			8.40	176.4	
				Adjacent Insulated				21.0			8.00	168.0	
Base Total:				As-Built Total:				84.0 697.2					
CEILING TYPES Area X BWPM = Points				Type R-Value Area X WPM X WCM = Points									
Under Attic	1647.0	2.05	3376.3	Under Attic			30.0	1647.0	2.05 X 1.00		3376.3		
Base Total:				As-Built Total:				1647.0 3376.3					
FLOOR TYPES Area X BWPM = Points				Type R-Value Area X WPM = Points									
Slab	195.0(p)	8.9	1735.5	Slab-On-Grade Edge Insulation	0.0		195.0(p)	18.80		3666.0			
Raised	0.0	0.00	0.0										
Base Total:				As-Built Total:							195.0 3666.0		

WINTER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 23, Sub: Ft White Park, Plat: 6 page 3 & 3A, Fort White, FL, 32046 PERMIT #:

BASE				AS-BUILT						
INFILTRATION Area X BWPM = Points				Area X WPM = Points						
1647.0 -0.59 -971.7				1647.0 -0.59 -971.7						
Winter Base Points: 13488.1				Winter As-Built Points: 16220.7						
Total Winter X System = Heating Points Multiplier Points				Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Multiplier Points (DM x DSM x AHU)						
13488.1 0.6274 8462.4				16220.7 1.000 (1.069 x 1.169 x 0.93) 0.432 0.950 7730.3 16220.7 1.00 1.162 0.432 0.950 7730.3						

Code Compliance Checklist
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 23, Sub: Ft White Park, Plat: 6 page 3 & 3A, Fort White, FL, 32046 PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

FLORIDA ENERGY EFFICIENCY CODE
FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	Spec House - Lot 23	Builder:	Owner
Address:	Lot: 23, Sub: Ft White Park, Plat: 6 page 3 & 3A	Permitting Office:	Columbia Co
City, State:	Fort White, FL 32046-	Permit Number:	
Owner:	Huey Hawkins	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: 35.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 10.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	1647 ft²		
7. Glass area & type	Single Pane Double Pane	13. Heating systems	
a. Clear glass, default U-factor	0.0 ft² 245.0 ft²	a. Electric Heat Pump	Cap: 35.0 kBtu/hr
b. Default tint	0.0 ft² 0.0 ft²		HSPF: 7.90
c. Labeled U or SHGC	0.0 ft² 0.0 ft²	b. N/A	
8. Floor types		c. N/A	
a. Slab-On-Grade Edge Insulation	R=0.0, 195.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 30.0 gallons
c. N/A			EF: 0.90
9. Wall types		b. N/A	
a. Frame, Wood, Exterior	R=13.0, 1231.0 ft²	c. Conservation credits	
b. N/A		(HR-Heat recovery, Solar	
c. N/A		DHP-Dedicated heat pump)	
d. N/A		15. HVAC credits	PT, CF,
e. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		HF-Whole house fan,	
a. Under Attic	R=30.0, 1647.0 ft²	PT-Programmable Thermostat,	
b. N/A		MZ-C-Multizone cooling,	
c. N/A		MZ-H-Multizone heating)	
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 52.0 ft		
b. N/A			

Glass/Floor Area: 0.15 Total as-built points: 23037 PASS
Total base points: 25624

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: Tim Delbene DATE: 10/24/05 I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT: DATE:	Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes. BUILDING OFFICIAL: DATE: 
---	--

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 23, Sub: Ft White Park, Plat: 6 page 3 & 3A, Fort White, FL, 32046 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	1647.0	20.04	5941.1	Double, Clear	S	2.0	5.0	9.0	35.87	0.72	233.5
				Double, Clear	S	2.0	7.0	20.0	35.87	0.82	588.3
				Double, Clear	S	2.0	5.0	6.0	35.87	0.72	155.7
				Double, Clear	W	2.0	7.0	60.0	38.52	0.89	2049.6
				Double, Clear	W	8.0	7.0	26.0	38.52	0.50	497.0
				Double, Clear	W	8.0	7.0	10.0	38.52	0.50	191.1
				Double, Clear	W	10.0	8.0	36.0	38.52	0.48	662.7
				Double, Clear	N	2.0	3.0	3.0	19.20	0.78	44.8
				Double, Clear	N	2.0	7.0	15.0	19.20	0.92	265.6
				Double, Clear	E	2.0	7.0	60.0	42.06	0.89	2235.8
				As-Built Total:							245.0
WALL TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0			1231.0 1.50 1846.5			
Exterior	1231.0	1.70	2092.7								
Base Total:		1231.0	2092.7	As-Built Total:		1231.0			1846.5		
DOOR TYPES Area X BSPM = Points				Type				Area X SPM = Points			
Adjacent	21.0	2.40	50.4	Exterior Insulated				21.0	4.10	86.1	
Exterior	63.0	6.10	384.3	Exterior Insulated				21.0	4.10	86.1	
				Exterior Insulated				21.0	4.10	86.1	
				Adjacent Insulated				21.0	1.60	33.6	
Base Total:		84.0	434.7	As-Built Total:		84.0			291.9		
CEILING TYPES Area X BSPM = Points				Type	R-Value			Area X SPM X SCM = Points			
Under Attic	1647.0	1.73	2849.3	Under Attic	30.0			1647.0	1.73 X 1.00		2849.3
Base Total:		1647.0	2849.3	As-Built Total:		1647.0			2849.3		
FLOOR TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Slab	195.0(p)	-37.0	-7215.0	Slab-On-Grade Edge Insulation	0.0			195.0(p) -41.20 -8034.0			
Raised	0.0	0.00	0.0								
Base Total:			-7215.0	As-Built Total:		195.0			-8034.0		

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 23, Sub: Ft White Park, Plat: 6 page 3 & 3A, Fort White, FL, 32045 PERMIT #:

BASE				AS-BUILT						
INFILTRATION Area X BSPM = Points				Area X SPM = Points						
1647.0 10.21 16815.9				1647.0 10.21 16815.9						
Summer Base Points: 20918.6				Summer As-Built Points: 20693.8						
Total Summer X System = Cooling Points Multiplier Points				Total X Cap X Duct X System X Credit = Cooling Component Ratio Multiplier Multiplier Multiplier Points (DM x DSM x AHU)						
20918.6 0.4266 8923.9				20693.8 1.000 (1.090 x 1.147 x 0.91) 0.341 0.902 7252.0 20693.8 1.00 1.138 0.341 0.902 7252.0						

WINTER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 23, Sub: Ft White Park, Plat: 6 page 3 & 3A, Fort White, FL, 32045 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	1647.0	12.74	3776.9	Double, Clear	S	2.0	5.0	9.0	13.30	1.40	167.6
				Double, Clear	S	2.0	7.0	20.0	13.30	1.17	311.4
				Double, Clear	S	2.0	5.0	6.0	13.30	1.40	111.7
				Double, Clear	W	2.0	7.0	60.0	20.73	1.03	1282.5
				Double, Clear	W	8.0	7.0	26.0	20.73	1.18	637.2
				Double, Clear	W	8.0	7.0	10.0	20.73	1.18	245.1
				Double, Clear	W	10.0	8.0	36.0	20.73	1.19	888.5
				Double, Clear	N	2.0	3.0	3.0	24.58	1.01	74.7
				Double, Clear	N	2.0	7.0	15.0	24.58	1.00	369.9
				Double, Clear	E	2.0	7.0	60.0	18.79	1.05	1178.8
				As-Built Total: 245.0 5267.5							
WALL TYPES Area X BWPM = Points				Type R-Value Area X WPM = Points							
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior				13.0	1231.0	3.40	4185.4
Exterior	1231.0	3.70	4554.7								
Base Total: 1231.0 4554.7				As-Built Total: 1231.0 4185.4							
DOOR TYPES Area X BWPM = Points				Type Area X WPM = Points							
Adjacent	21.0	11.50	241.5	Exterior Insulated					21.0	8.40	176.4
Exterior	63.0	12.30	774.9	Exterior Insulated					21.0	8.40	176.4
				Exterior Insulated					21.0	8.40	176.4
				Adjacent Insulated					21.0	8.00	168.0
Base Total: 84.0 1016.4				As-Built Total: 84.0 697.2							
CEILING TYPES Area X BWPM = Points				Type R-Value Area X WPM X WCM = Points							
Under Attic	1647.0	2.05	3376.3	Under Attic				30.0	1647.0	2.05 X 1.00	3376.3
Base Total: 1647.0 3376.3				As-Built Total: 1647.0 3376.3							
FLOOR TYPES Area X BWPM = Points				Type R-Value Area X WPM = Points							
Slab	195.0(p)	8.9	1735.5	Slab-On-Grade Edge Insulation				0.0	195.0(p)	18.80	3666.0
Raised	0.0	0.00	0.0								
Base Total: 1735.5				As-Built Total: 195.0 3666.0							

WINTER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 23, Sub: Ft White Park, Plat: 6 page 3 & 3A, Fort White, FL, 32046 PERMIT #:

BASE				AS-BUILT						
INFILTRATION Area X BWPM = Points				Area X WPM = Points						
1647.0 -0.59 -971.7				1647.0 -0.59 -971.7						
Winter Base Points: 13488.1				Winter As-Built Points: 16220.7						
Total Winter X System = Heating Points Multiplier Points				Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Multiplier Points (DM x DSM x AHU)						
13488.1 0.6274 8462.4				16220.7 1.000 (1.069 x 1.169 x 0.93) 0.432 0.950 7730.3 16220.7 1.00 1.162 0.432 0.950 7730.3						

WATER HEATING & CODE COMPLIANCE STATUS
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 23, Sub: Ft White Park, Plat: 6 page 3 & 3A, Fort White, FL, 32046 PERMIT #:

BASE					AS-BUILT					
WATER HEATING										
Number of Bedrooms	X	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X Credit = Total Multiplier
3		2746.00		8238.0	30.0	0.90	3		1.00	2684.98 1.00 8054.9
					As-Built Total:					8054.9

CODE COMPLIANCE STATUS							
BASE					AS-BUILT		
Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	Cooling Points	+	Heating Points + Hot Water Points = Total Points
8924		8462		8238 25624	7252		7730 8055 23037

PASS



Code Compliance Checklist
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 23, Sub: Ft White Park, Plat: 6 page 3 & 3A, Fort White, FL, 32046 PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

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

0510-54

Reference to: Build permit application Number:

Mike Herlong Owners Fort White Developers for Lot 23 Fort White Park

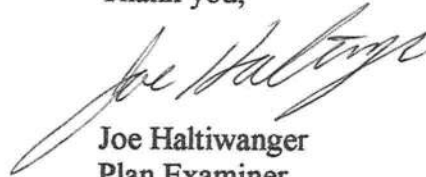
On the date of October 20, 2005 application 0510-54 and plans for construction of a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0510-54 when making reference to this application.

- ✓ 1. Application 0510-54 which was filed with the building department on the date of October 18, 2005 will be reviewed under the Florida Building Code 2004. The Wind Load design by Mr. Huey Hawkins was design under the Florida Building Code 2001. The wind Load design should reflect the code sections of the Florida Building Code 2004 that relate to wind Load design code requirements.
2. Please submit a recorded notice of commencement with this department prior to requesting any inspections on this dwelling.
- ✓ 3. The area summary condition living area (page A-1) states 1647 square feet, the Florida energy efficiency code for building construction form 600-A-2001 line six (condition floor area sq. ft.) 1638 square feet. Please correct this discrepancy on the Florida energy efficiency code for building construction form 600-A-2001 resubmit this form 600-A-2001.

- ✓ 4. Please verify if the window over the tub area in bathroom two will comply with R308.4 Hazardous locations of the Florida Residential Code 2004. Glazing in doors and enclosures for hot tubs, whirlpools, saunas, steam rooms, bathtubs and showers. Glazing in any part of a building wall enclosing these compartments where the bottom exposed edge of the glazing is less than 60 inches (1524 mm) measured vertically above any standing or walking surface.

Thank you,



Joe Haltiwanger
Plan Examiner
Columbia County Building Department

COLUMBIA COUNTY BUILDING DEPARTMENT

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2001 ONE (1) AND TWO (2) FAMILY DWELLINGS ALL REQUIREMENTS ARE SUBJECT TO CHANGE EFFECTIVE MARCH 1, 2002

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

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

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

APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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

Applicant

Plans Examiner

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

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

Site Plan including:

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

Wind-load Engineering Summary, calculations and any details required

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

Elevations including:

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

Fort
white

see note
1

Floor Plan including:

- | | | |
|-------------------------------------|-------------------------------------|--|
| ☒ | ☒ | a) Rooms labeled and dimensioned |
| ☒ | ☒ | b) Shear walls |
| ☒ | ☐ | c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown) |
| ☒ | ☒ | d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth |
| ☐ | ☒ | e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails |
| ☒ | ☐ | f) Must show and identify accessibility requirements (accessible bathroom) |
- see NOTE 4*

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: <ol style="list-style-type: none">1. Truss layout and truss details signed and sealed by FI. Pro. Eng.2. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating) |
| ☒ | ☐ | b) Conventional Framing Layout including: <ol style="list-style-type: none">1. Rafter size, species and spacing2. Attachment to wall and uplift3. Ridge beam sized and valley framing and support details4. Roof assembly (FBC 104.2.1 Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating) |

Wall Sections including:

- | | | |
|--------------------------|--------------------------|--|
| ☐ | ☐ | a) Masonry wall <ol style="list-style-type: none">1. All materials making up wall2. Block size and mortar type with size and spacing of reinforcement3. Lintel, tie-beam sizes and reinforcement4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation6. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)7. Fire resistant construction (if required)8. Fireproofing requirements9. Shoe type of termite treatment (termicide or alternative method)10. Slab on grade<ol style="list-style-type: none">a. Vapor retardant (6mil. Polyethylene with joints lapped 6 inches and sealed)b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports11. Indicate where pressure treated wood will be placed12. Provide insulation R value for the following:<ol style="list-style-type: none">a. Attic spaceb. Exterior wall cavityc. Crawl space (if applicable) |
|--------------------------|--------------------------|--|

☐ ☒ b) Wood frame wall

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

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

Floor Framing System:

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

Plumbing Fixture layout

Electrical layout including:

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

HVAC information

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

Energy Calculations (dimensions shall match plans)

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

Disclosure Statement for Owner Builders

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

Private Potable Water (city water)

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

Lot 23
Fort White Park

COLUMBIA COUNTY BUILDING DEPARTMENT
CHECKLIST FOR PERMITTING

Application # _____

☒	Notarized completed Building Permit Application	Notes:
☒	If an Owner Builder, signed Disclosure Statement	Notes: N/A
☒	Recorded Deed or a Notarized Affidavit (form from the Building Dept.)	Notes: 6000 SEED STREET J. WHITE DEV. LLP - Same as Jersey Ave
☒	Approved and Signed Site Plan from Environmental Health on the septic	Notes: Applied For Permit 05-1005N
☒	Site plan with actual distances of the structure to each property line	Notes:
☒	911 Address form, Contact 386.752.8787 for an appointment	Notes:
☒	Residential or Commercial Checklist completed	Notes:
☒	Driving directions including all road names	Notes:
☒	Well information (on plans or letter from the well driller)	Notes: City Water
☒	Before the 1 st inspection Recorded Notice of Commencement signed by owner	Notes: Pending
☒	2 sets of plans (blueprints)	Notes:
☒	2 sets of sealed truss engineering	Notes:
☒	2 sets of energy code & manual J	Notes:
☒	2 sets of engineering packets including specs on windows, doors, roof and etc.	Notes:

October 24, 2005

Columbia County Building Department
"Hand Delivered"

Subject: Fort White Developers, LLP / Mike Herlong
Lot 23, Fort White Park
Fort White, Florida

Dear Mr. Haltiwanger:

Please accept this letter as an addendum to the plans for the above referenced house to change all references to FBC 2001 to FBC 2004. The plan was drawn prior to the effective date of FBC 2004, October 1, 2005. Since the wind load requirements of FBC 2004 remain basically unchanged from FBC 2001 there are no structural changes required to this plan.

Thanks

A handwritten signature in blue ink, appearing to read "Huey Hawkins", with the date "10/24/05" written below it.

Huey R. Hawkins, PE
Florida P.E. No 33665

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:1SR1487-Z0405150411

961-1727

Truss Fabricator: Anderson Truss Company
Job Identification: 5-431-FORT WHITE DEVELOPERS/SPEC LOT 23
Truss Count: 34
Model Code: Florida Building Code
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Version 7.04.
Structural Engineer of Record:
Address:
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-98 -Closed

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
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

No Standard Details

Seal Date: 10/05/2005

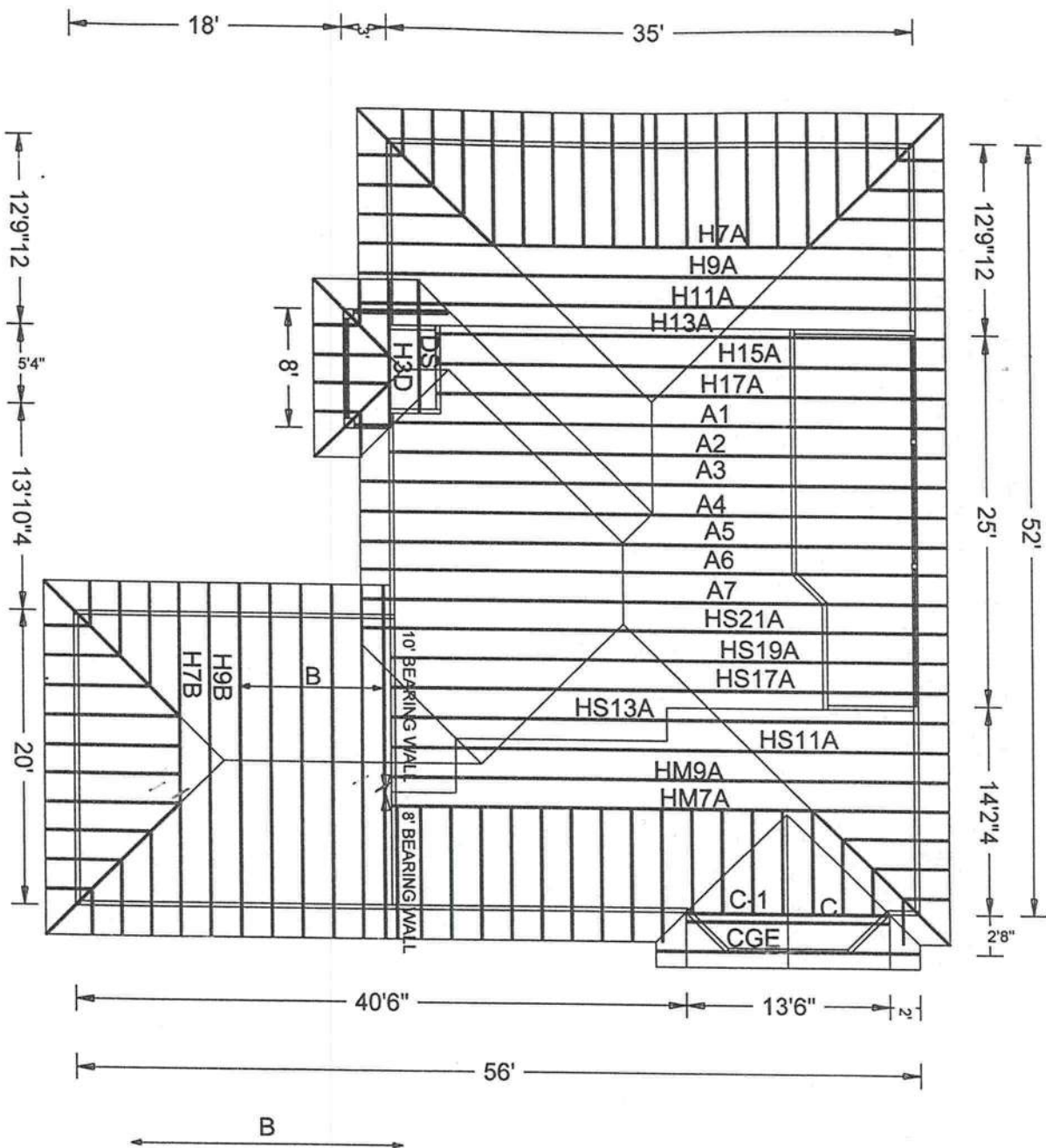
-Truss Design Engineer-
Harry Goodson

Florida License Number: 26454
1950 Marley Drive
Haines City, FL 33844

#	Ref	Description	Drawing#	Date
1	00360--HM7A		05278167	10/05/05
2	00361--H7A		05278186	10/05/05
3	00362--H9A		05278187	10/05/05
4	00363--H11A		05278165	10/05/05
5	00364--HM9A		05278169	10/05/05
6	00365--HS11A		05278170	10/05/05
7	00366--H13A		05278183	10/05/05
8	00367--H15A		05278184	10/05/05
9	00368--H17A		05278185	10/05/05
10	00369--A1		05278179	10/05/05
11	00370--A2		05278180	10/05/05
12	00371--A3		05278168	10/05/05
13	00372--A4		05278178	10/05/05
14	00373--A6		05278176	10/05/05
15	00374--A5		05278177	10/05/05
16	00375--A7		05278175	10/05/05
17	00376--HS13A		05278172	10/05/05
18	00377--HS19A		05278182	10/05/05
19	00378--HS21A		05278174	10/05/05
20	00379--HS17A		05278173	10/05/05
21	00380--B		05278086	10/05/05
22	00381--H7B		05278089	10/05/05
23	00382--H9B		05278088	10/05/05
24	00383--C-1		05278181	10/05/05
25	00384--CGE		05278164	10/05/05
26	00385--C		05278171	10/05/05
27	00386--H3D		05278090	10/05/05
28	00387--DS		05278091	10/05/05
29	00388--CJ1		05278093	10/05/05
30	00389--HJ7		05278166	10/05/05
31	00390--CJ3		05278094	10/05/05
32	00391--CJ5		05278096	10/05/05
33	00392--EJ7		05278098	10/05/05
34	00393--HJ3		05278099	10/05/05



Roof Plane Sheathing Area = 3100 sq. ft
Fascia Material = 253 linear ft
Valley Flashing Material = 100 linear ft
Ridge Cap Material = 43 linear ft
Hip Ridge Material = 179 linear ft

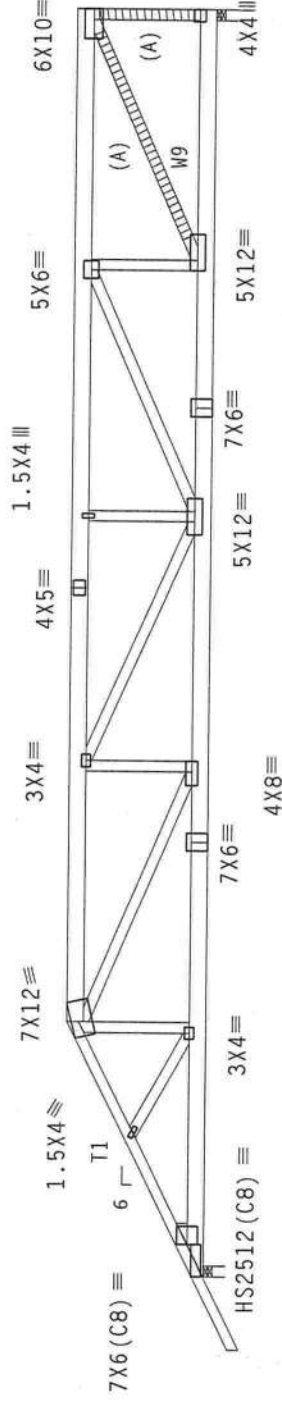


FORT WHITE DEVELOPERS/SPEC LOT 23

JOB LOCATION:	JOB DESCRIPTION: FORT WHITE DEVELOPERS/SPEC LO	DESIGNED BY:	JOB NO: 5-431	PAGE NO: 1 OF 1
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110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Right end vertical not exposed to wind pressure.
#1 hip supports 7-0-0 jacks with no webs.



Design Crit: TPI-2002(STD)/FBC
C_g/R_I=1.00/1.25/10.00

0805

HARRY D. GOODSON LICENSE No. 70654	TC LL	20.0 PSF	REF	R487 - - 360
	TC DL	10.0 PSF	DATE	10/05/05

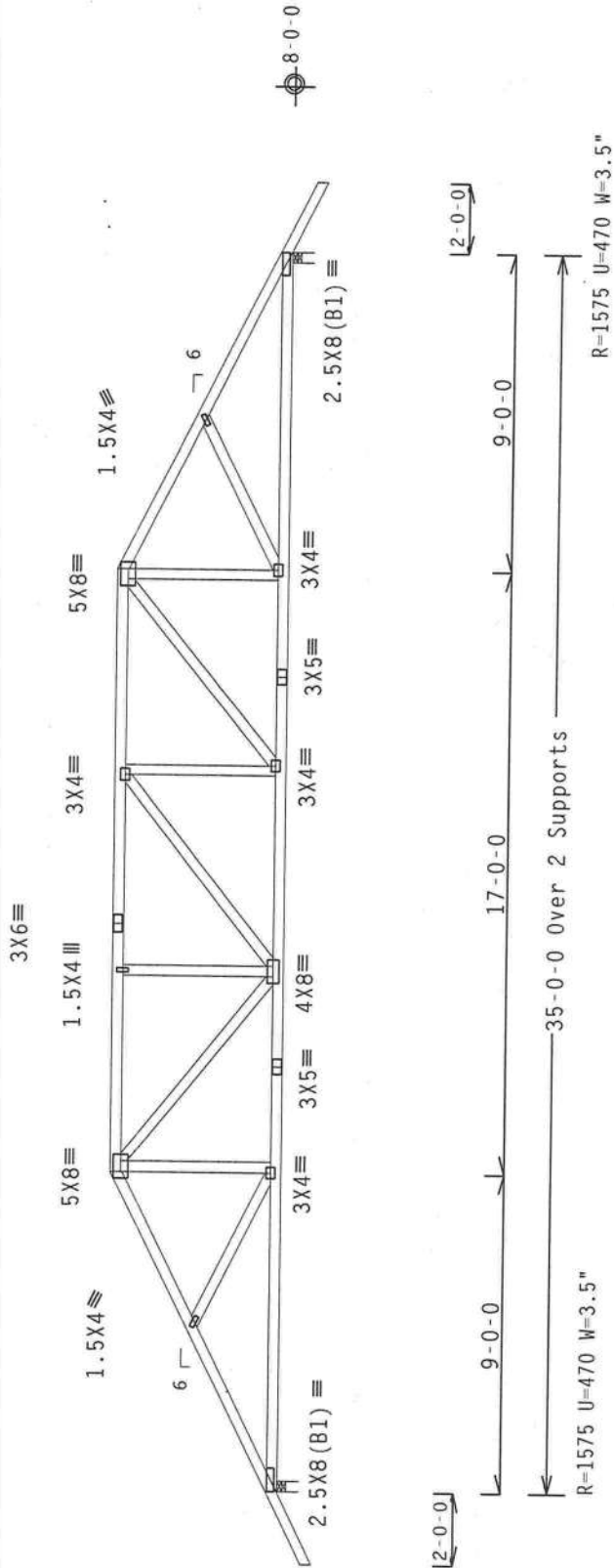
BC DL	10.0 PSF	DRW	HCUSR487 05278167
BC LL	0.0 PSF	HC-ENG SL/HBG3	
TOT.LD.	40.0 PSF	SEQN-	125221
DUR.FAC.	1.25		

.JREF- 1SR1487 704

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

110 mph wind, 10.10 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.04.0805

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 530 N. DEARBORN DR., SUITE 200, MADISON, WI 53719) AND AISC (WOOD TRUSS COUNCIL OF AMERICA) 1-03 (WOOD TRUSS SAFETY INFORMATION), PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 530 N. DEARBORN DR., SUITE 200, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE SPECIFIED, ALL MATERIALS SHALL BE AS SPECIFIED IN THE DRAWINGS. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGNER'S RESPONSIBILITY IS TO PROVIDE THE TRUSS WITH APPLICABLE PROVISIONS OF AISC (WOOD TRUSS COUNCIL OF AMERICA) 1-03 (WOOD TRUSS SAFETY INFORMATION), PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 530 N. DEARBORN DR., SUITE 200, MADISON, WI 53719) AND AISC (WOOD TRUSS COUNCIL OF AMERICA) 1-03 (WOOD TRUSS SAFETY INFORMATION), PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 530 N. DEARBORN DR., SUITE 200, MADISON, WI 53719) TO EACH FACE OF TRUSS. TRUSSES SHALL BE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHAPES, (2) CONNECTIONS, (3) BRACING, (4) TIGHTENING OF BOLTS, (5) SEAL ON THIS DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

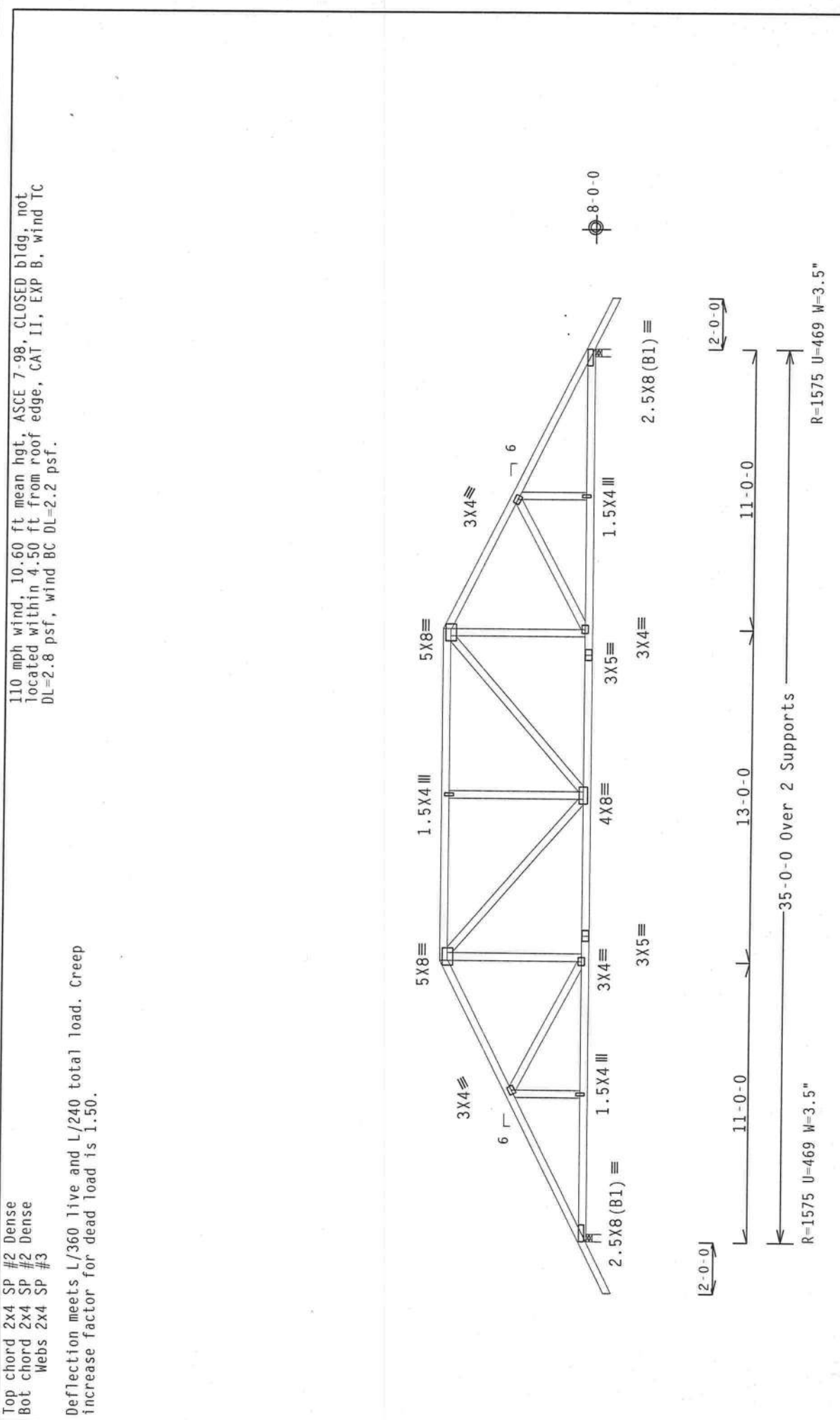


Alpine Engineered Products, Inc.
1950 Marley Drive
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FL Certificate of Authorization # 567



Oct 05 '05

QTY:1	FL/-/4/-/R/-	Scale =.1875"/Ft.
TC LL	20.0 PSF	REF R487-- 362
TC DL	10.0 PSF	DATE 10/05/05
BC DL	10.0 PSF	DRW HCUSR487 05278187
BC LL	0.0 PSF	HC-ENG SL/HBG3 *
TOT.LD.	40.0 PSF	SEQN- 125209
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SR1487 Z04



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1950 Marley Drive
Haines City, FL 33844
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****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION) FOR EXISTING TPI TRUSS PLATE INSTITUTE, 593 D'ONOFRIO DR., SUITE 200, MADISON, MI 53719) AND WICA (WOOD INSTITUTE FOR CONSTRUCTION, 6300 ENTERPRISE LN, MADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE ENGINEERED PRODUCTS, INC. OR PLATES ARE MADE OF 20/19/16GA (W, M/S/A) ASTM A653 GRADE 40/60 (W, K/H/S) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FURNISHED BY THE MANUFACTURER. REFER TO TPI-2002 SEC. 3. A SEAL ON THIS DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

TC LL	20.0 PSF
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"

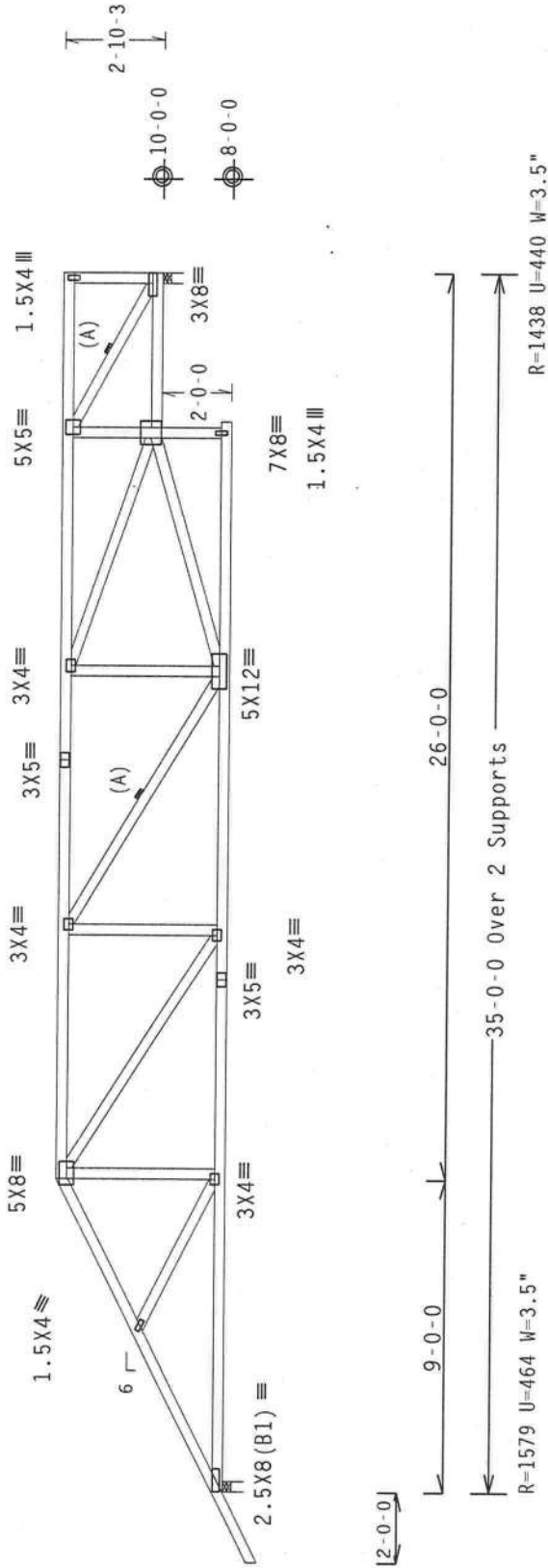
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 10.10 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

(A) Continuous lateral bracing equally spaced on member.

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

Right end vertical not exposed to wind pressure.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.04.0805

QTY:1 FL/-/4/-/R/- Scale =.1875"/Ft.



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (QUALITY ASSURANCE) AND THE TRUSS MANUFACTURER'S INSTRUCTIONS. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (M/H/S/K) ASTM A653 GRADE 40/60 (H. K/H.S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. THE INSTALLATION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SHOWS THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

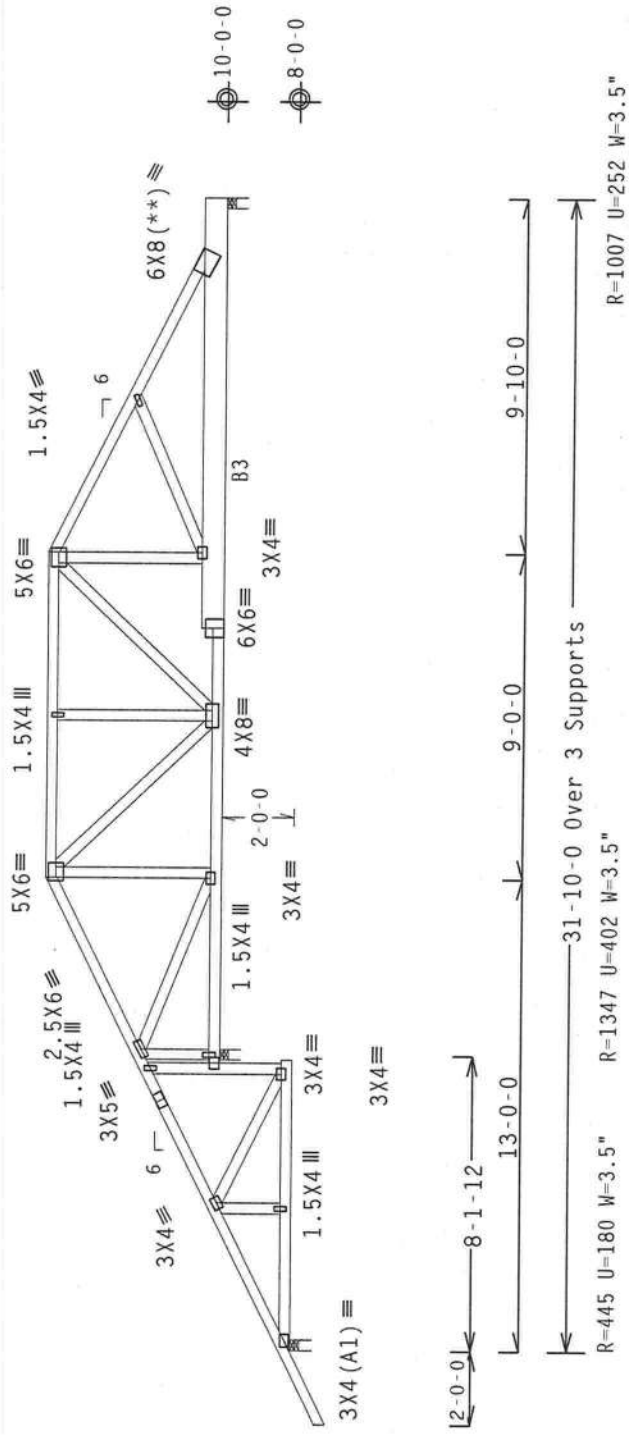
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TC LL	20.0 PSF	REF	R487 -- 364
TC DL	10.0 PSF	DATE	10/05/05
BC DL	10.0 PSF	DRW	HCUSR487 05278169
BC LL	0.0 PSF	HC-ENG	SL/HBG3 *
TOT.LD.	40.0 PSF	SEQN-	125231
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SR1487_Z04

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

110 mph wind, 11.10 ft mean hgt., ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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



PLT TYP. Wave

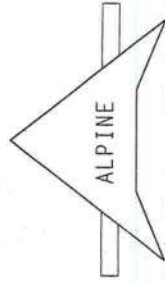
Design Crit: TPI-2002(STD)/FBC
C_g/RT=1.00(1.25)

7.04.0805

OTY:1

Scale = .1875"/Ft.

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	TC DL	10.0	PSF	DATE	10/05/05	
	BC DL	10.0	PSF	DRW	HCUSR487	05278183
	BC LL	0.0	PSF	HC-ENG SL/HBG3		
	TOT.LD.	40.0	PSF	SEQN-	158727	
	DUR.FAC.	1.25				
SPACING			24.0"	JREF-	1SR1487_Z04	



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(5-431-FORT WHITE DEVELOPERS/SPEC LOT 23 - H15A)

Top chord 2x4 SP #2 Dense

Bot chord 2x4 SP #2 Dense :B3 2x8 SP SS:

Webbs 2x4 SP #3

110 mph wind, 11.60 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind Tc DL=2.8 psf, wind BC DL=2.2 psf.

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

12-0-0

8-1-12

15-0-0

5-0-0

11-10-0

31-10-0 Over 3 Supports

R=447 U=180 W=3.5"

R=1345 U=401 W=3.5"

R=1007 U=251 W=3.5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.04.0805

QTY:1

FL/-/4/-/R/-

Scale =.1875"/Ft.

ALPINE

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1950 Marley Drive

Haines City, FL 33844

FL Certificate of Authorization # 567

HARRY B. GOODSON

LIBRARY LICENSE

No. 26454

STATE OF FLORIDA

PROFESSIONAL ENGINEER

Oct 05 '05

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-- 367

DATE 10/05/05

DRW HCUR487 05278184

HC-ENG SL/HBG3

SEQN- 158741

JREF- 1SR1487_Z04

(5-431-FORT WHITE DEVELOPERS/SPEC LOT 23 - H15A)

Top chord 2x4 SP #2 Dense

Bot chord 2x4 SP #2 Dense :B3 2x8 SP SS:

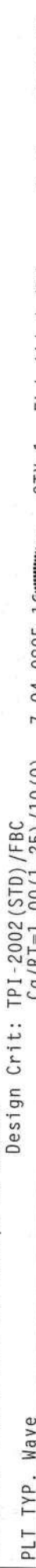
Webbs 2x4 SP #3

110 mph wind, 11.60 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind Tc DL=2.8 psf, wind BC DL=2.2 psf.

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

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense :B3 2x8 SP SS:
Webs 2x4 SP #3

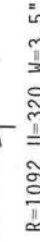
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



1	FL/-/4/-/-/R/-	Scale = 1875"/Ft.
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TC DL	10.0 PSF	DATE 10/05/05
BC DL	10.0 PSF	DRW HCUSR487 05278185
BC LL	0.0 PSF	HC-ENG SL/HBG3
TOT.L.D.	40.0 PSF	SEQN- 158705
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SR1487 704

Oct 05 '05

110 mph wind, 12.22 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf



Design Crit: TPI-2002(STD)/FBC

04 0805

04.0805 0TY:1 FI/-/4/-/-/R/-

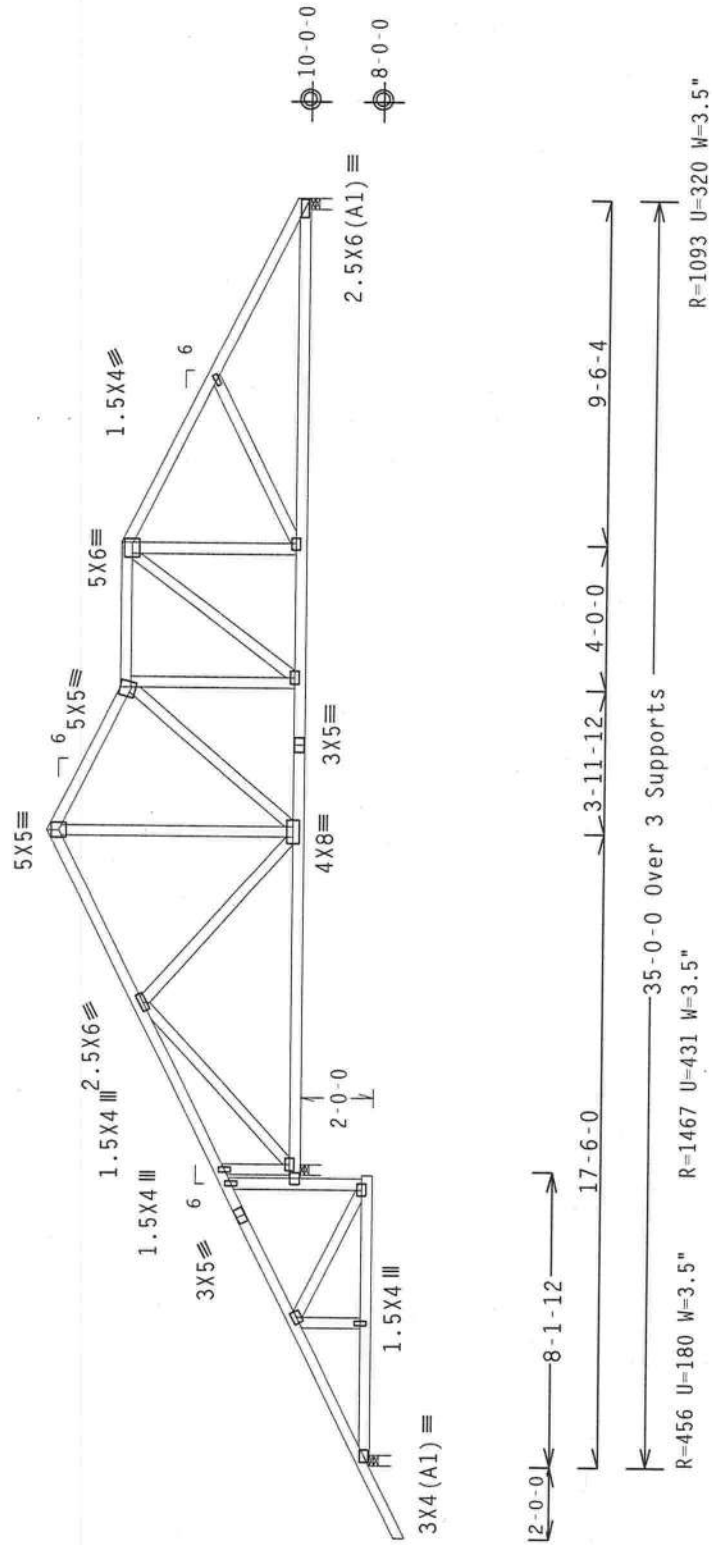
Scale = .1875" / Ft.

James City, FL 33844
FL Certificate of Authorization # 567

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

110 mph wind, 12.22 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

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

7.04, 0805

QTY: 1

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

Scale = .1875" / Ft.

REF R487 -- 370

DATE 10/05/05

DRW HCUSR487 05278180

HC-ENG SL/HBG3

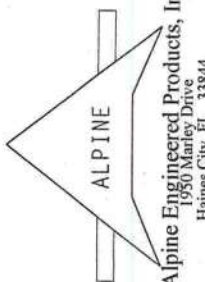
SEON- 158787



Oct 05 '05

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RES 1-03 (BUILDING CODES AND REGULATIONS), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'AMORE DR., SUITE 200, MADISON, WI 53715) AND THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC), 1801 MARKET STREET, PITTSBURGH, PA 15222. THE TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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 20/10/160A (N/A/S/X) ASTM A653 GRADE 40/60 (N. K/H/S) GALV. STEEL. APPLY MAXIMUM ALLOWABLE LOADS TO THE TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF THE TRUSS SHALL BE FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 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 DESIGNER. BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



110 mph wind, 12.22 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

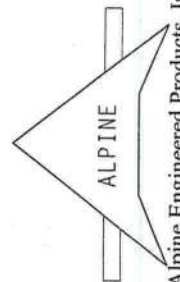


Design Crit: TPI-2002(STD)/FBC

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

Scale = .1875" / Ft.

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TC DL	10.0 PSF	DATE 10/05/05
BC DL	10.0 PSF	DRW HCUSR487 05278168
BC LL	0.0 PSF	HC-ENG SL/HBG3
TOT.LD.	40.0 PSF	SEQN- 158781
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SR1487 704



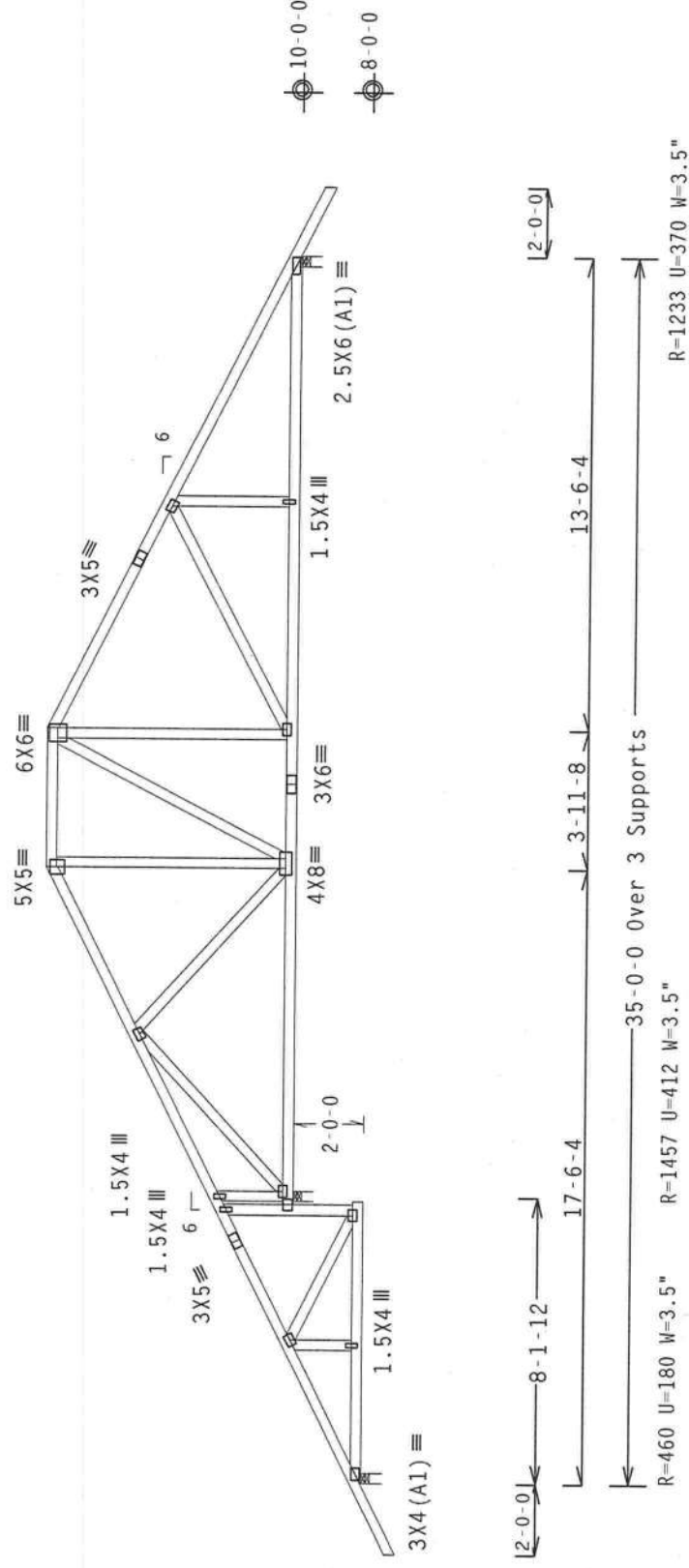
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1950 Marley Drive
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Haines City, FL 33844
FL Certificate of Authorization # 567

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

110 mph wind, 12.23 ft mean hgt., ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf

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



Note: All Plates Are 3X4 Except As Shown.

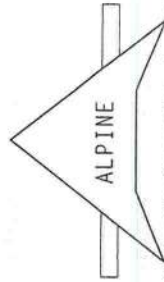
Design Crit: TPI-2002(STD)/FBC

 $C_q/RT=1.00(1.25)/10(0) \quad 7.$

QTY: 1

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

Scale = .1875"/Ft.



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Haines City, FL 33844

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Oct 05 '05

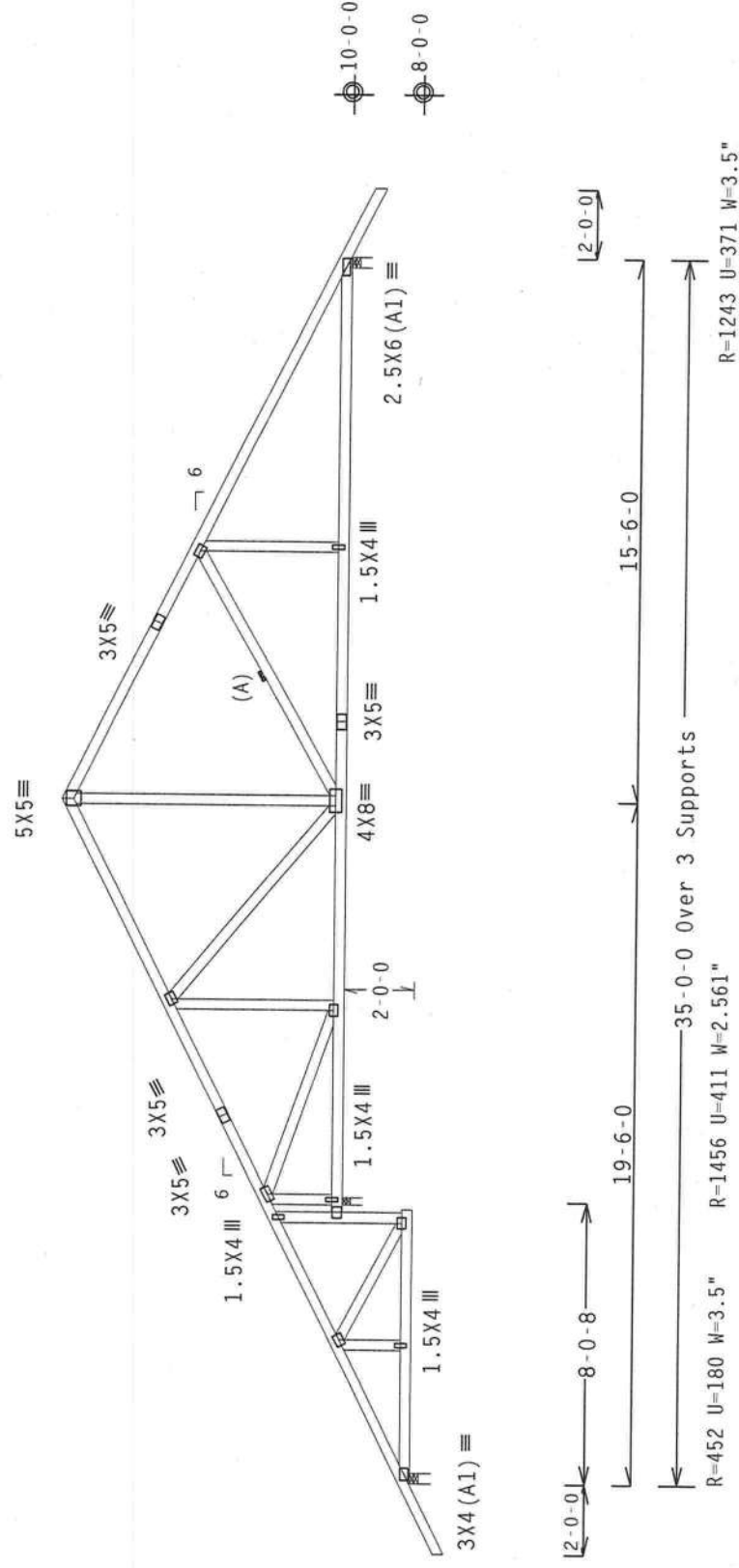
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TC DL	10.0	PSF	DATE	10/05/05
BC DL	10.0	PSF	DRW	HCUSR487 05278178
BC LL	0.0	PSF	HC-ENG	SL/HBG3
TOT.LD.	40.0	PSF	SEQN-	158774
DUR.FAC.	1.25			
SPACING	24.0"		JREF-	1SR1487 Z04

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

110 mph wind, 12.72 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf

(A) Continuous lateral bracing equally spaced on member.

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



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

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

7-04 0805

.....

OTY.1 EI 1-1/2

11-1-101

L
L
L
C
r

C
r
C
C
C

Scale = 1875"/E+

41-1-1R1-

QTY:1 FL/-/

Dr. J. H. P. M. van der Wal

7.04.0805

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

100

(b)

17d

100



Alpine Engineered Products,
1950 Marley Drive
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*WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESIGN 101 FOR TRUSSING COMPONENT SAFETY INFORMATION. PUBLISHED BY TPI (TRUSS PANEL INSTITUTE), 583
MADISON, WI 53711, 200. MADISON, WI 53719, AND MCA (MOORE TRUSS COMPANY), 6300 ENTERPRISE LN.,
MADISON, WI 53719. ALL TRUSS FABRICATORS PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED,
TOP CHORD SHALL HAVE PROPERLY ANCHORED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED
RIGID CEILING.

* * IMPORTANT * * DURESS A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE OF TRUSSES IN CONFORMANCE WITH TPI CONNECTIONS OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. TRUSSES IN CONFORMANCE WITH TPI CONNECTIONS OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. CONNECTOR PLATES ARE MADE AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POWER NAILS SHALL APPLY TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POWER NAILS SHALL APPLY TO EACH FACE OF PLATE FOLLOWED BY (1) SHALL BE PER ANCHOR A3 OF TPI-2002 SEC.3. THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGNING. THE USE OF THIS DOCUMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER ANCHOR A3 OF TPI-2002 SEC.3.

A circular professional engineer seal for Harry B. Goodson, No. 26454, State of Florida. The seal features the text "HARRY B. GOODSON" and "LICENSE" on the left, "No. 26454" in the center, and "STATE OF FLORIDA" and "PROFESSIONAL ENGINEER" on the right. There are three stars around the inner circle. A signature is written across the seal.

Oct 05 '05

JREF- 1SR1487 704

24.0"

SPACING

05 '05

00

1. *Journal of the American Medical Association*, 1997; 277: 1001-1005.

PER ANSI/TPI 1 SEC. 2.

BU1	Authorization # 567
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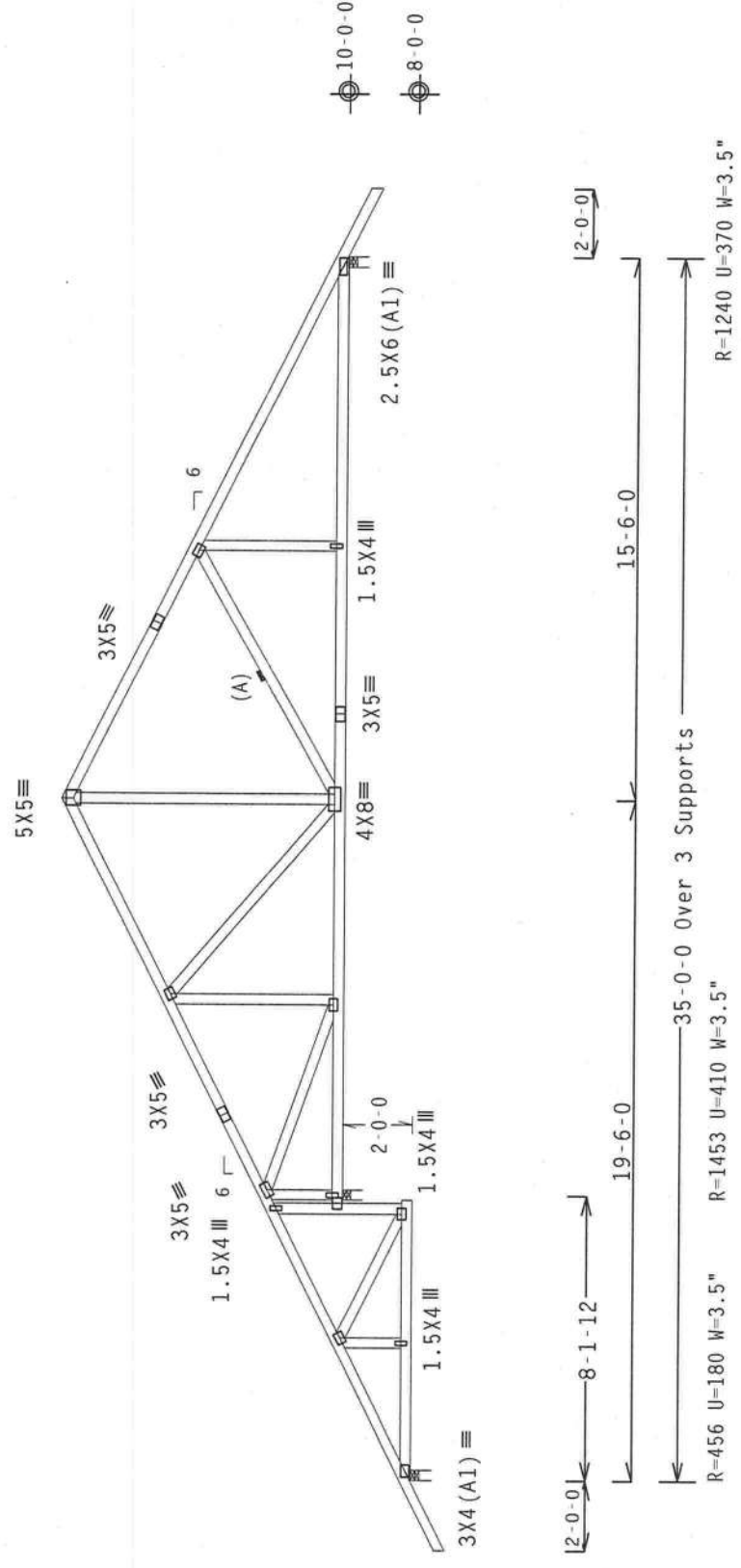
FLC

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

(A) Continuous lateral bracing equally spaced on member.

110 mph wind, 12.72 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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



Note: All Plates Are 3x4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0805 QTY:1 FL/-/4/-/-/R/- Scale = .1875"/Ft.

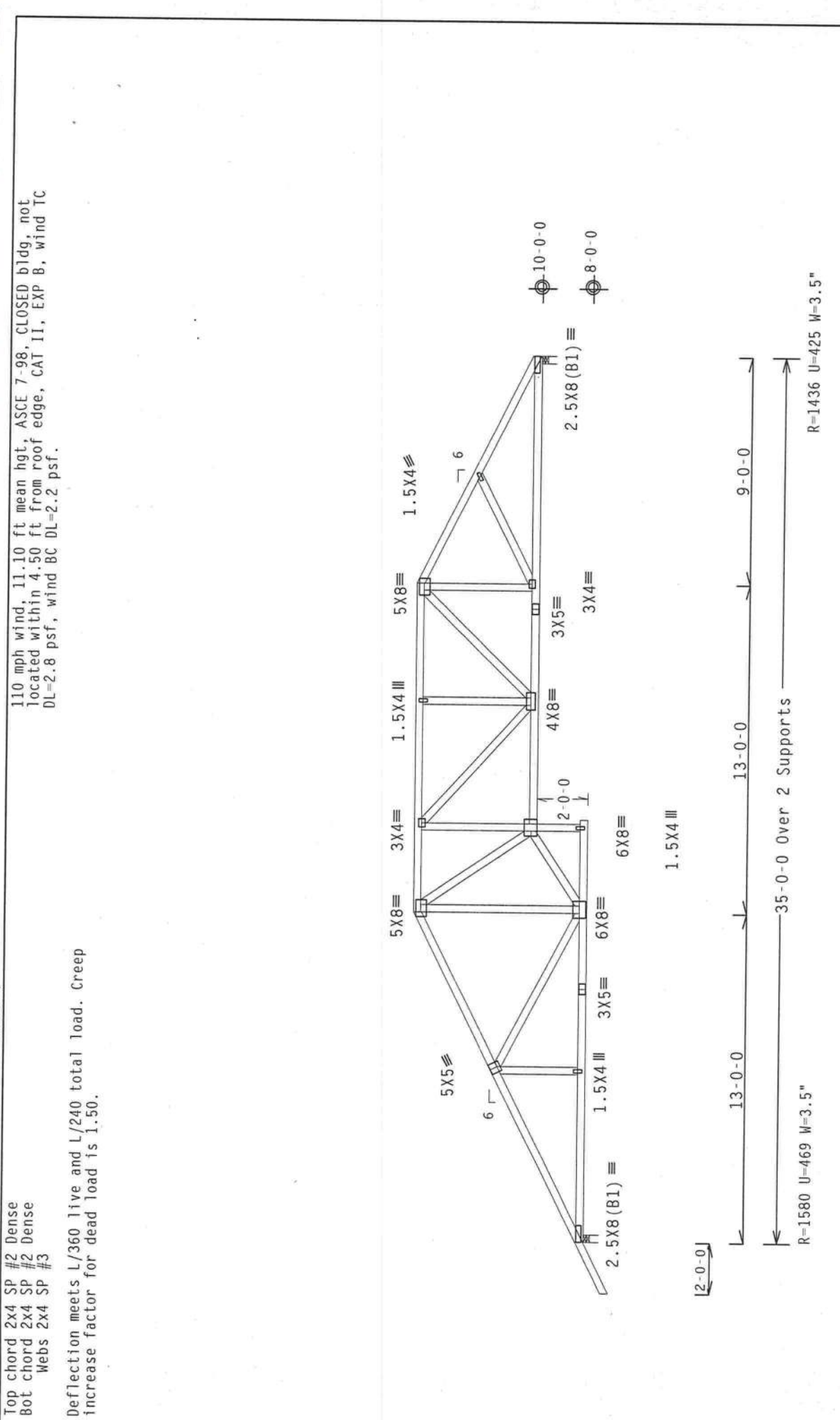
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (TPI TRUSS PLATE INSTITUTE, 983 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WINDING PRACTICES (TPI TRUSS PLATE INSTITUTE, 983 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE SPECIFIED, ALL MATERIALS SHALL BE AS SHOWN. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

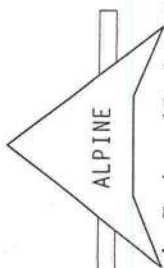
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AIA/PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (4-N/5/3) ASTM A653 GRADE 40/60 (4-N/5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. THIS DESIGNING CONTRACTOR'S PLACES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SHOWN INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

Oct 05 '05

TC LL	20.0 PSF	REF	R487 - -	374
TC DL	10.0 PSF	DATE	10/05/05	
BC DL	10.0 PSF	DRW	HCUSR487	05278177
BC LL	0.0 PSF	HC-ENG	SL/HBG3	
TOT.LD.	40.0 PSF	SEQN-	158815	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SR1487_Z04	





Alpine Engineering 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)

7.04.0805

QTY: 1

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

Scale = .1875" / 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"

JREF- 1SR1487 704

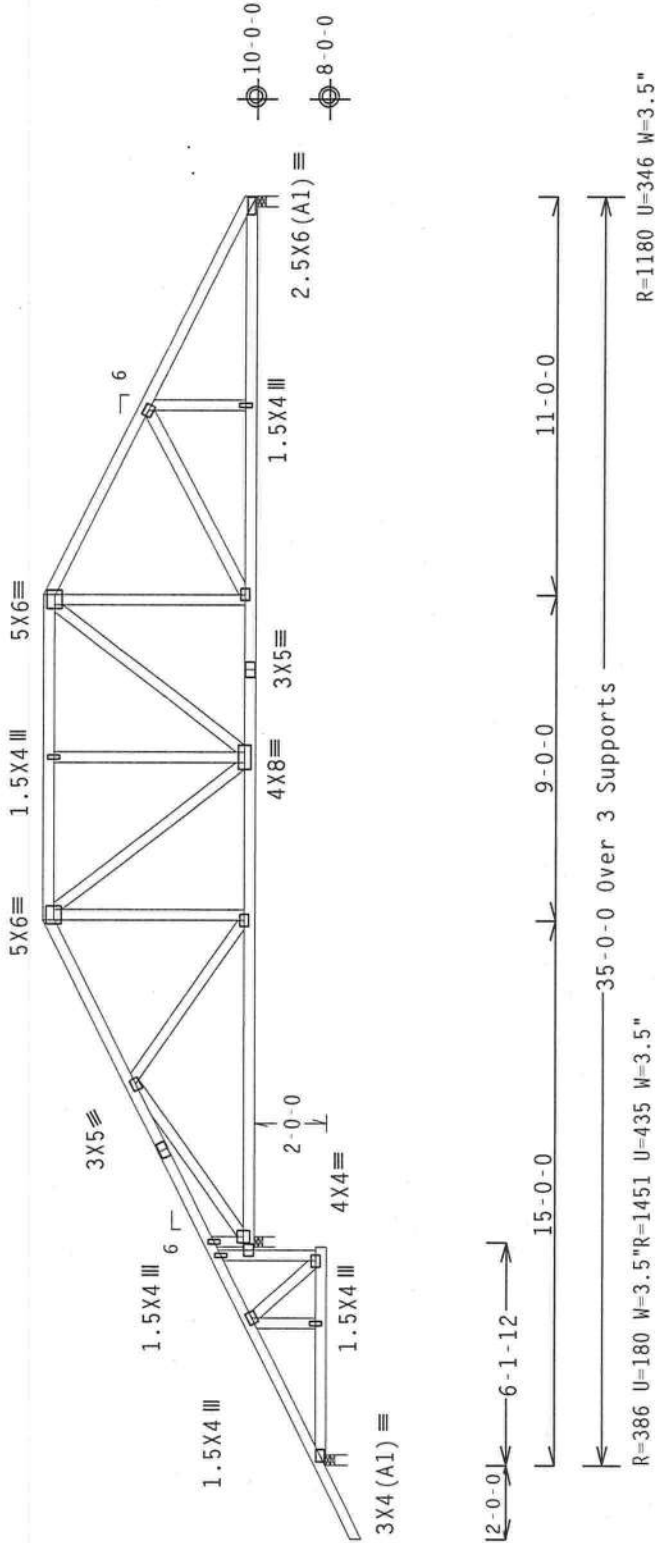
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR TRUSS SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFIO DR., SUITE 200, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO BEGINNING OF FABRICATION. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERING PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE OF 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 (IN-4/5/6) ASTM A653 GRADE 40/60 (W, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. FABRICATING INDICATES THE SUITABLE USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNER SHOWN. A SEAL ON THIS DESIGN SHOWN INDICATES THE SUITABLE USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

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

110 mph wind, 11.60 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

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

7.04.0805

16

QTY:1

FL/-/4/-/R/-

Scale = .1875"/Ft.

REF R487 -- 379

DATE 10/05/05

DRW HCUSR487 05278173

HC-ENG SL/HBG3

SEQN- 158861

DUR.FAC. 1.25

SPACING 24.0"

JREF- 1SR1487_Z04



Alpine Engineered Products, Inc.
1050 N. Highway 1
Haines City, FL 33844
FL Certificate of Authorization # 567



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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN AND DETAILING OF THE TRUSS. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-2002(STD) OR NITCA-2000(1) SHALL BE THE RESPONSIBILITY OF THE INSTALLER. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY ACNP) AND TPI-2002(STD). CONNECTOR PLATES ARE MADE OF 20/10/160A (W/H/S/K) ASTM A653 GRADE 40/60 (W, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

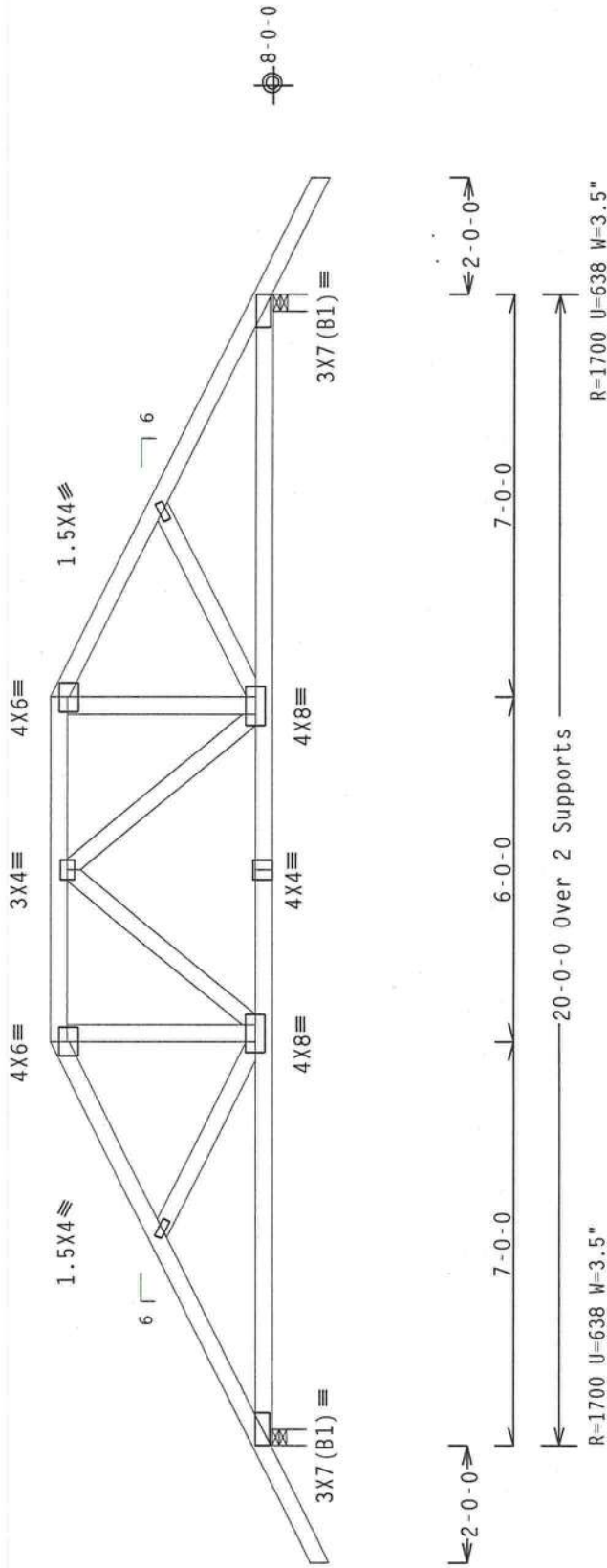
JREF- 1SR1487 Z04

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

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg.
Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf,
wind BC DL=2.2 psf.

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

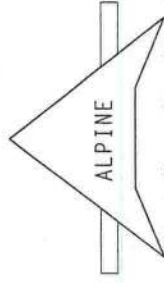
QTY: 1

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

Scale = .3125"/Ft.

****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 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 THE TITLE PROVISIONS, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, OR TO PROVIDE THE TRUSS WITH THE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. CONNECTOR PLATES ARE MADE OF 2018/160A (A-NUS/2) ASTM A563 GRADE 40/60 (A-NUS/2) 60% 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 SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER ANSI/TPI 1 SEC. 2.

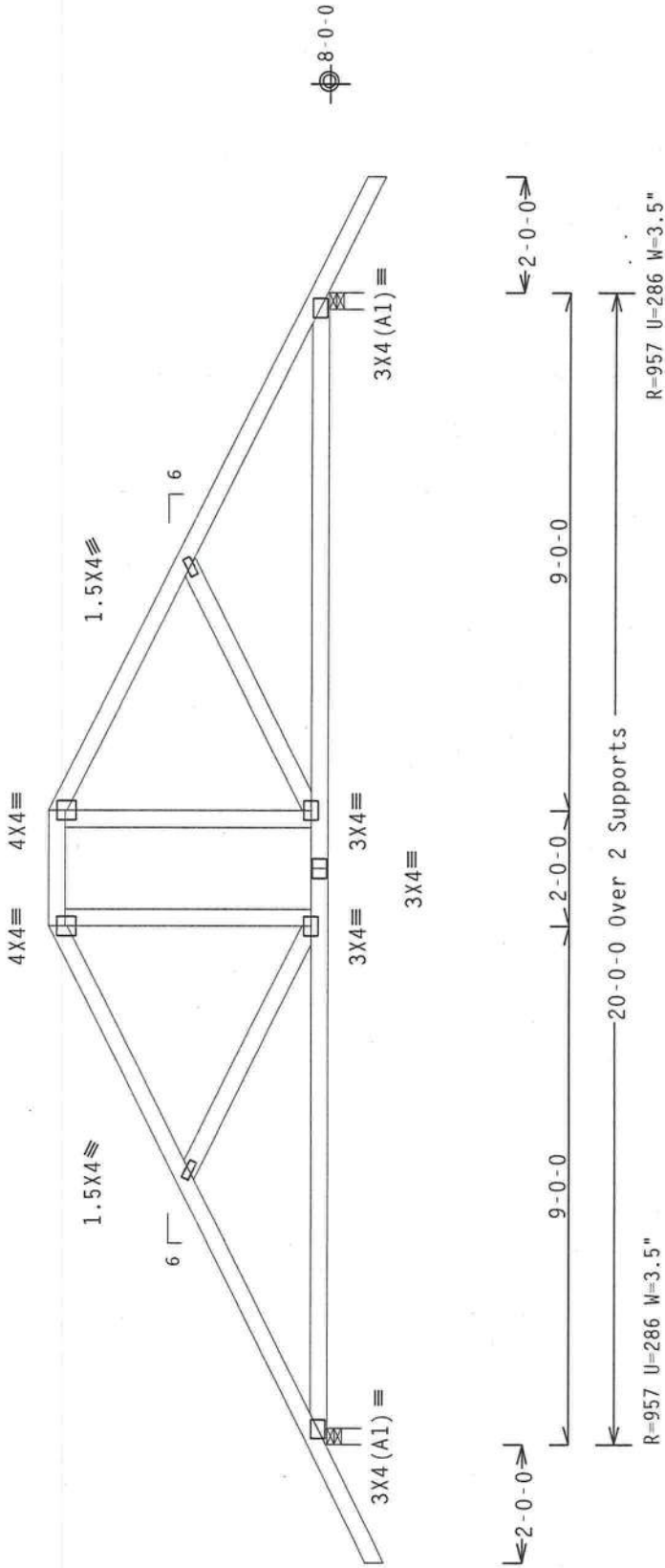


TC LL	20.0 PSF	REF	R487 -- 381
TC DL	10.0 PSF	DATE	10/05/05
BC DL	10.0 PSF	DRW	HCUSR487 05278089
BC LL	0.0 PSF	HC-ENG	SL/HBG3
TOT.LD.	40.0 PSF	SEQN-	158944
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SR1487_Z04

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

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

110 mph wind, 10.10 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.04.0805

QTY:1

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

Scale =.3125"/Ft.

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

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 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: OF FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGNING WITH TPI: OF FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, OR CONNECTOR PLATES ARE MADE PER TPI: OF FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, OR PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS FOR 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Oct 05 '05

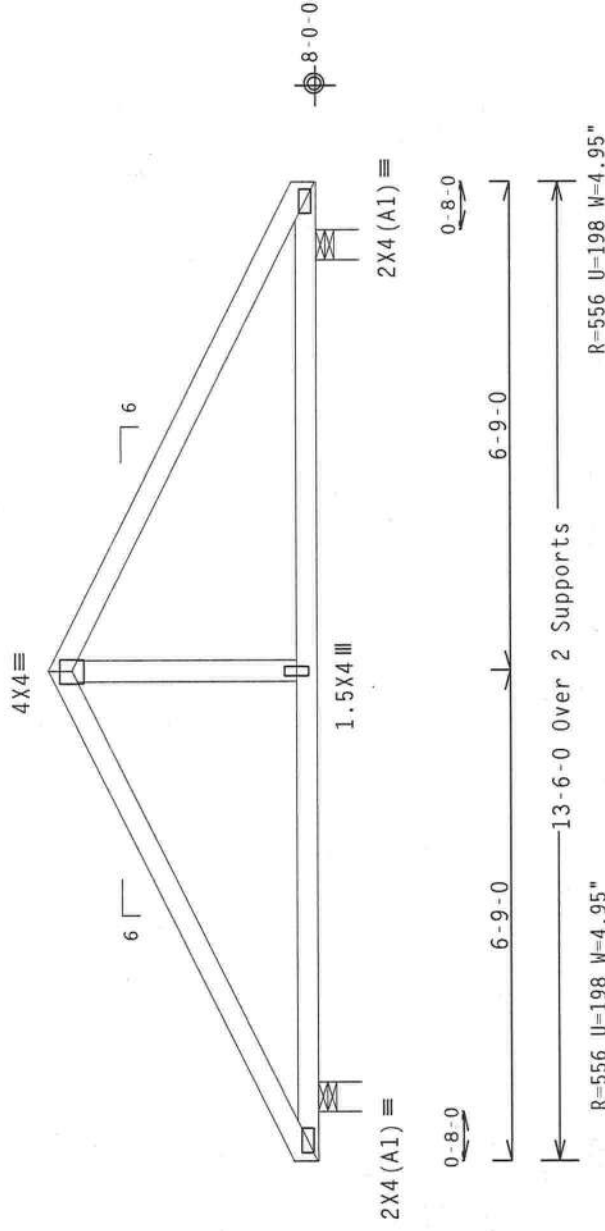
JREF- 1SR1487 Z04

TC LL	20.0 PSF	REF	R487 -- 382
TC DL	10.0 PSF	DATE	10/05/05
BC DL	10.0 PSF	DRW	HCUSR487 05278088
BC LL	0.0 PSF	HC-ENG	SL/HBG3 *
TOT.LD.	40.0 PSF	SEQN-	158937
DUR.FAC.	1.25		
SPACING	24.0"		

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

110 mph wind, 10.03 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf

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



Design Crit: TPI-2002(STD)/FBC

Scale = .375"/Ft.

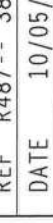
QTY:1 FL/-/4/-/-/R/-

7.04.0805

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

33

PLOT TYP. Wave

	TC LL	20.0 PSF	REF R487 -- 385
	TC DL	10.0 PSF	DATE 10/05/05
	BC DL	10.0 PSF	DRW HCUSR487 05278171
	BC LL	0.0 PSF	HC-ENG SL/HBG3
	TOT. LD.	40.0 PSF	SEQN- 125169
	DUR. FAC.	1.25	
	SPACING	24.0"	JPEE- 1 SP1487 704

*WARNING** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BOLTING INFORMATION) PUBLISHED BY THE THUSSES PLATE INSTITUTE, 5063 WATSON RD., WESTPORT, MI 48090, AT 537219, AND MECA 10000 THUSSES COUNCIL OF AMERICA, 6500 ENTERPRISE LN., WESTPORT, MI 48090, AT 537219, FOR SAFETY PRECAUTIONS PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED BRIDGING.

****IMPORTANT**** *FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS
TRUSS COMPANY 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 & RACING OF TRUSSES,
DESIGN CONFORMS WITH TPI OR APPLICABLE PROVISIONS OF BIDS (NATIONAL DESIGN SPEC. AND AISC).
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, SECTION PER DRAWINGS 160A-2.
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SECTION 3. A SEAL ON 160A-2
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT
BUILDING DESIGNER'S USE OF THIS DOCUMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING OWNER.
BUILDING DESIGNER PER INSTLCTN 160B.

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

0.5 0.5 0.5

(5-431-FORT WHITE DEVELOPERS/SPEC LOT 23 - H3D)

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

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg,
Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf,
wind BC DL=2.2 psf.

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

6

4X4

4X4

4X4

6

2X4 (A1)

1.5X4

1.5X4

2X4 (A1)

3-0-0

2-0-0

3-0-0

3-0-0

8-0-0 Over 2 Supports

R=514 U=247 W=3.5"

R=341 U=180 W=3.5"

10-0-0

PLT TYP. Wave

ALPINE

Alpine Engineered Products, Inc.
1050 Marky Drive
Haines City, FL 33844

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

7.04.0805.16

QTY:1

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

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 -- 386

DATE

10/05/05

DRW

HCUSR487 05278090

HC-ENG

SL/HBG3

SEQN-

158927

DIFF

1CD14R7 704

ALPINE

ENGINEER

FLORIDA

PROFESSIONAL

STATE OF

FLORIDA

28454

28454

HARRY B. GOODSON

10/05/05

ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC NATIONAL DESIGN SPEC. BY AISC AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2010/160A (A-N/5/8) ASTM A653 GRADE 40/60 (A, 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 SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC NATIONAL DESIGN SPEC. BY AISC AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2010/160A (A-N/5/8) ASTM A653 GRADE 40/60 (A, 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 SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

(5-431-FORT WHITE DEVELOPERS/SPEC LOT 23 - DS)

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

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

110 mph wind, 10.85 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

4x4
6
3x4
2x4 (A1)
3x4
1.5x4
6
0'-10'-7
10'-0'-0

4'-0'-0 2'-11'-8

6'-11'-8 Over 2 Supports R=188 U=235 W=3.5" R=188 U=180 W=3.5"

1'-0'-8

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0805.16

PLT TYP. Wave

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"

QTY:1

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

REF R487 -- 387
DATE 10/05/05
DRW HCUSR487 05278091
HC-ENG SL/HBG3
SEQN- 158931

JRFF- 1SR1487 704

Oct 05 '05

ALPINE

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

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6000 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI- OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/10/160A (W-H/S/P) ASTM A653 GRADE 40/60 (H, V/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

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

110 mph wind, 8.10 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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


$$\downarrow 2-0-0 \quad \downarrow$$

1-0-0 over 3 Supports

 $R=361 \quad H=180 \quad W=3.5$

Design Crit: TPI-2002(STD)/FBC

7.04.0805.16 QTY:14 FL/-/4/-/-/R/- Scale = .375"/Ft.

PI T TYP. Wave

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Marley, Ohio 43041

ALPINE

ENGINEERED PRODUCTS, INC.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING, AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE NATIONAL BUREAU OF STANDARDS, 400 DUPLICATE STREET, GAITHERSBURG, MARYLAND 20878, FOR THE LATEST EDITIONS OF THE NATIONAL BUILDING CODE OF AMERICA, 6300 ENTERPRISE LN, D'ORFORD DR., SUITE 200, CHICAGO, ILLINOIS 60631, PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TP1. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (44/10/5/3) ASTM A653 GRADE 40/60 (IN, K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL SHALL BE AFFIXED TO THE BOTTOM OF EACH PLATE TO INDICATE THE DATE OF INSPECTION AND THE NAME OF THE INSPECTOR. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY AND COLLECTOR FOR THE TRUSS DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGN SHOWN.

REF R487-- 388

DATE 10/05/05

DRW HCUSR487 05278093

HC-ENG SL/HBG3

SEQN- 158887

DUR-FAC. 1.25

SPACING 24" 0"

Oct 05 05

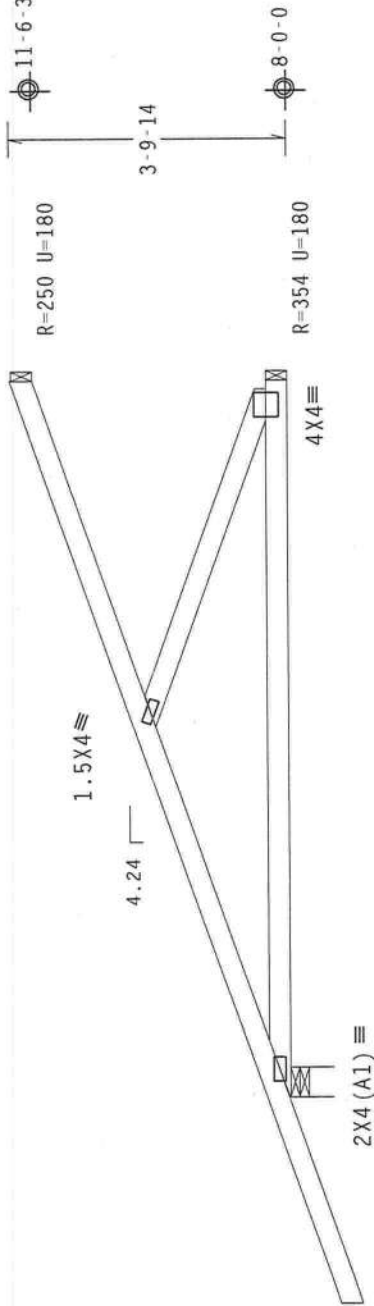
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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



2-9-15

9-10-13 Over 3 Supports

R=540 U=263 W=4.95"

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

PLT TYP. Wave

7.04.0805

QTY: 3

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

Scale =.375"/Ft.



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

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****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN, FABRICATION, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH TPI- OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. CONNECTOR PLATES ARE MADE OF 20/18/16GA (W, W/2/K) ASTM A653 GRADE 40/60 (W, K/M-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 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.



Oct 05 '05

SPACING 24.0"

JREF- 1SR1487 Z04

Top chord 2x4 SP #2 Dense

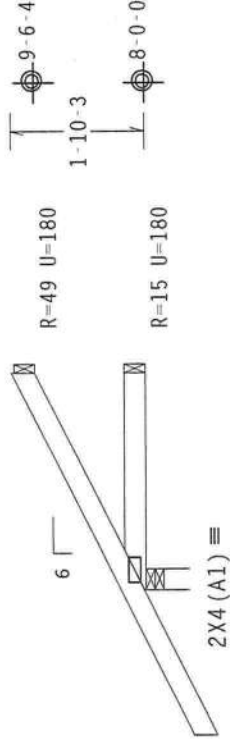
Bot chord 2x4 SP #2 Dense

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

110 mph wind, 8.60 ft mean ht, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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

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



2-0-0

2-5-8
3-0-0 Over 3 Supports
R-317 U=180 W=3.5"

ALPINE

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

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 O'DONOHIO DR., SUITE 200, MADISON, WI 53719) AND WIGA (WOOD TRUSS COUNCIL OF AMERICA, 6000 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE SPECIFIED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AIA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (H, V/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

PLT TYP. WAVE

Design Crit: TPI-2002(STD)/FBC

QTY:12

FL/-4/-/R/-

Scale =.375"/Ft.

REF R487-- 390

DATE 10/05/05

DRW HCUSR487 05278094

HC-ENG SL/HBG3

SEQN- 158897

JREF- 1SR1487 Z04



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

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



QTY:31 FL/-/4/-/-/R/-

Scale = .375"/Ft.



ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS BRACING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER ANSI/TP1 1 SEC. 2.

TC LL	20.0	PSF	REF	R487--	392
TC DL	10.0	PSF	DATE	10/05/05	
BC DL	10.0	PSF	DRW	HCUSR487	05278098
BC LL	0.0	PSF	HC-ENG	SL/HBG3	
TOT.LD.	40.0	PSF	SEQN-	158905	
DUR,FAC.	1.25				
SPACING	24.0"				

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2
psf.

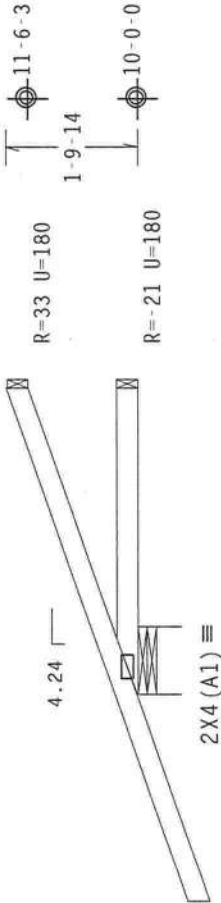
Hipjack supports 3-0-0 setback jacks with no webs.

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

SPECIAL LOADS

-----LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 61 PLF at -2.83 to 61 PLF at 4.24
BC - From 4 PLF at -2.83 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 4.24
TC - 220 LB Conc. Load at 1.54
BC - 70 LB Conc. Load at 1.54

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



4-2-15 Over 3 Supports
R=319 U=180 W=11.314"

Design Crit: TPI-2002(STD)/FBC

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

QTY:2 FL/-4/-/-R/-

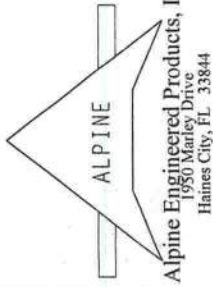
Scale =.375"/Ft.

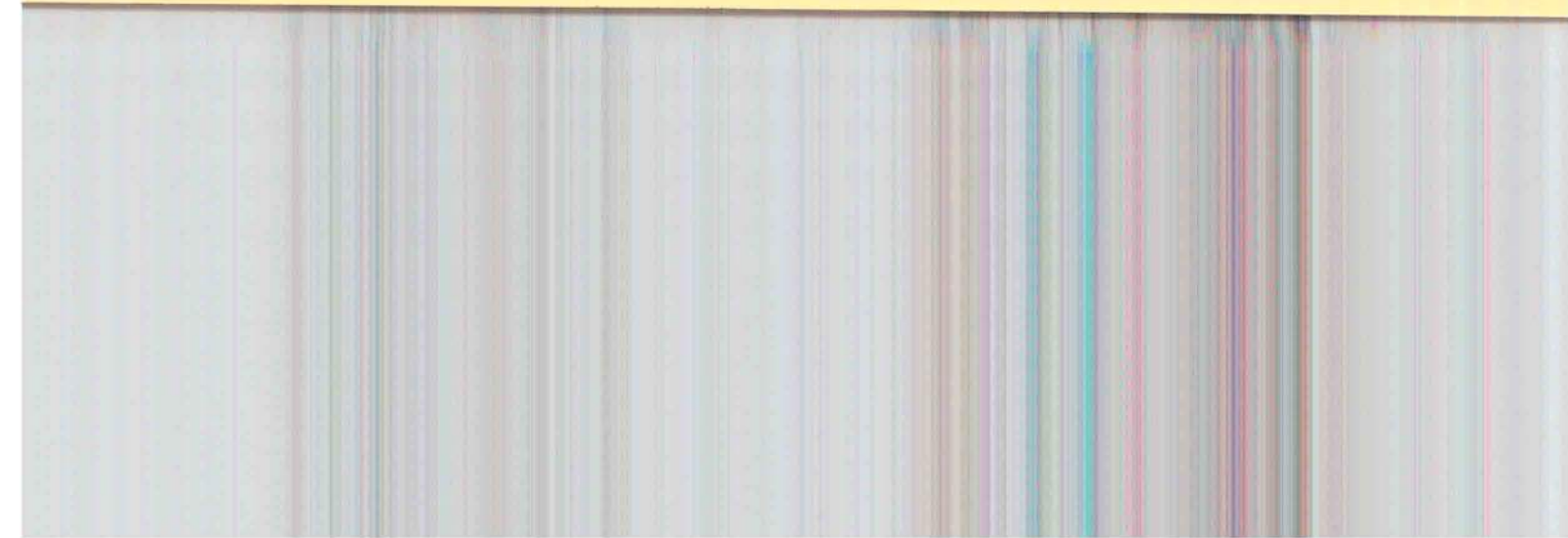
TC LL	20.0 PSF	REF	R487--	393
TC DL	10.0 PSF	DATE	10/05/05	
BC DL	10.0 PSF	DRW	HCUSR487	05278099
BC LL	0.0 PSF	HC-ENG	SL/HBG3	
TOT.LD.	40.0 PSF	SEQN-	158918	
DUR.FAC.	1.25			
CDACTING				



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

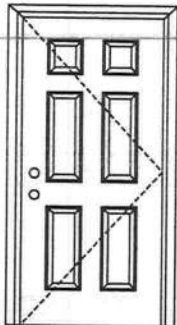
IMPORTANT *FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN AND FABRICATION OF THE TRUSS. ANY FAILURE OF THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AIA/AIA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (4-H/5/2) ASIN A653 GRADE 40/60 (4, 4/H-5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANST/TPI 1 SEC. 2.





WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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



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

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

Design Pressure
+66.0/-66.0

limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is NOT REQUIRED.

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

MINIMUM ASSEMBLY DETAIL:

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

MINIMUM INSTALLATION DETAIL:

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

APPROVED DOOR STYLES:



Flush



Arch Top 3-panel



3-panel



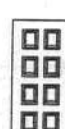
6-panel



New England 4-panel



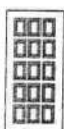
Eyebrow 4-panel



8-panel



9-panel



15-panel



5-panel



5-panel with scroll



Eyebrow 5-panel



Eyebrow 5-panel with scroll

Johnson
EntrySystems

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



Exclusively from

Masonite
Masonite International Corporation

X

Opaque Inswing Unit

COP-WL-JH4101-02

WOOD-EDGE STEEL DOORS

CERTIFIED TEST REPORTS:

NCTL 210-2185-1, 2, 3

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

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

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

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

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

COMPANY NAME
CITY, STATE

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

Kurt L Balthaz

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

Warnock Hersey



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

2

Johnson
EntrySystems

June 17, 2002

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Masonite
Masonite International Corporation

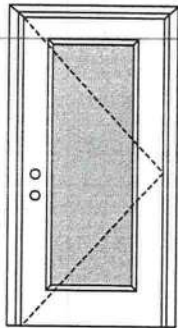
X

Glazed Inswing Unit

COP-WL-JH4141-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Note:

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



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

Single Door

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

Design Pressure

+40.5/-40.5

Limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is REQUIRED.

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

MINIMUM ASSEMBLY DETAIL:

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

MINIMUM INSTALLATION DETAIL:

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

APPROVED DOOR STYLES:

1/4 GLASS:



100 Series



133, 135 Series



136 Series

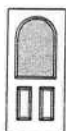


680 Series

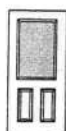


822 Series

1/2 GLASS:



105 Series*



106, 160 Series*



129 Series*



200 Series*



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



107 Series*



108 Series



304 Series

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

Johnson™
EntrySystems

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



Exclusively from

Masonite®
Masonite International Corporation

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES: 3/4 GLASS:



404 Series



410 Series



450 Series

FULL GLASS:



109 Series



114, 120, 122
Series



152 Series



149 Series



300 Series

CERTIFIED TEST REPORTS:

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

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

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

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

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

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

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

Warnock Hersey



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

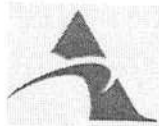
Johnson
EntrySystems

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



Exclusively from

Masonite
Masonite International Corporation



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

Rendered to:

MI HOME PRODUCTS, INC.

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

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

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

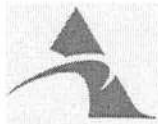
For ARCHITECTURAL TESTING, INC.


Mark A. Hess, Technician

MAH:nlb


1 APRIL 2002





Architectural Testing

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

Rendered to

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

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

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

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

Test Specimen Description:

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

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

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

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

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

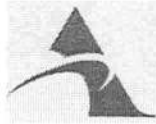
Finish: All aluminum was white.

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

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

Allen M. Reeves
1 APRIL 2002





Test Specimen Description: (Continued)

Weatherstripping:

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

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

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

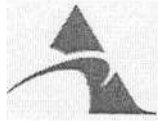
Screen Construction: The screen was constructed from roll-formed aluminum with keyed corners. The fiberglass mesh was secured with a flexible spline.

Hardware:

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

Allen N. Reeves
1 APRIL 2002





Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

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

Test Results:

The results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.1	Operating Force	11 lbs	30 lbs max
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.13 cfm/ft ²	0.3 cfm/ft ² max

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

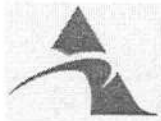
	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds) @ 25.9 psf (positive) @ 34.7 psf (negative)	0.42"* 0.43"*	0.26" max.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

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

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





Test Specimen Description: (Continued)

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

Optional Performance

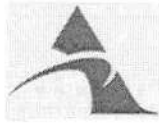
4.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 6.00 psf	No leakage	No leakage
	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds)		
	@ 45.0 psf (positive)	0.47"*	0.26" max.
	@ 47.2 psf (negative)	0.46"*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

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

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

Allen N. Reeves
1 APRIL 2002





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

For ARCHITECTURAL TESTING, INC:

Mark A. Hess
Technician

MAH:nlb
01-41134.01

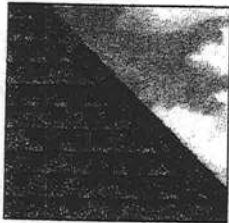
Allen N. Reeves, P.E.
Director - Engineering Services
1 APRIL 2002





ELK

ROOFING PRODUCTS SPECIFICATIONS - TUSCALOOSA, AL



**PRESTIQUE®
HIGH DEFINITION®**



RAISED PROFILE®

**Prestique Plus High Definition
and Prestique Gallery Collection****

Product size _____ 13 1/4" x 39 1/2"
Exposure _____ 5 1/2"
Pieces/Bundle _____ 16
Bundles/Square _____ 4/98.5 sq.ft.
Squares/Pallet _____ 11

50-year limited warranty period:
5-7**years non-prorated coverage for
shingles and application labor with
prorated coverage for remainder of
limited warranty period, plus an
option for transferability*. 5-year
limited wind warranty*. Wind
Coverage: standard 80 mph, extended
110 mph***

Raised Profile

Product size _____ 13 1/4" x 38 1/2"
Exposure _____ 5 1/2"
Pieces/Bundle _____ 22
Bundles/Square _____ 3/100 sq.ft.
Squares/Pallet _____ 16

30-year limited warranty period:
5-7**years non-prorated coverage for
shingles and application labor with
prorated coverage for remainder of
limited warranty period, plus an
option for transferability*. 5-year
limited wind warranty*. Wind
Coverage: standard 70 mph.

Prestique I High Definition

Product size _____ 13 1/4" x 39 1/2"
Exposure _____ 5 1/2"
Pieces/Bundle _____ 16
Bundles/Square _____ 4/98.5 sq.ft.
Squares/Pallet _____ 14

40-year limited warranty period:
5-7**years non-prorated coverage for
shingles and application labor with
prorated coverage for remainder of
limited warranty period, plus an
option for transferability*. 5-year
limited wind warranty*. Wind
Coverage: standard 80 mph, extended
90 mph***

HIP AND RIDGE SHINGLES

Seal-A-Ridge® w/FLX™

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

Vented RidgeCrest™ w/FLX™

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

Prestique High Definition

Product size _____ 13 1/4" x 38 1/2"
Exposure _____ 5 1/2"
Pieces/Bundle _____ 22
Bundles/Square _____ 3/100 sq.ft.
Squares/Pallet _____ 16

30-year limited warranty period:
5-7**years non-prorated coverage for
shingles and application labor with
prorated coverage for remainder of
limited warranty period, plus an
option for transferability*. 5-year
limited wind warranty*. Wind
Coverage: standard 80 mph.

Elk Starter Strip

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

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

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

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

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

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

*See actual limited warranty for conditions and limitations.

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

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

SPECIFICATIONS

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

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

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

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

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

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

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

**SOUTHEAST &
ATLANTIC OFFICE:**
800.945.5551

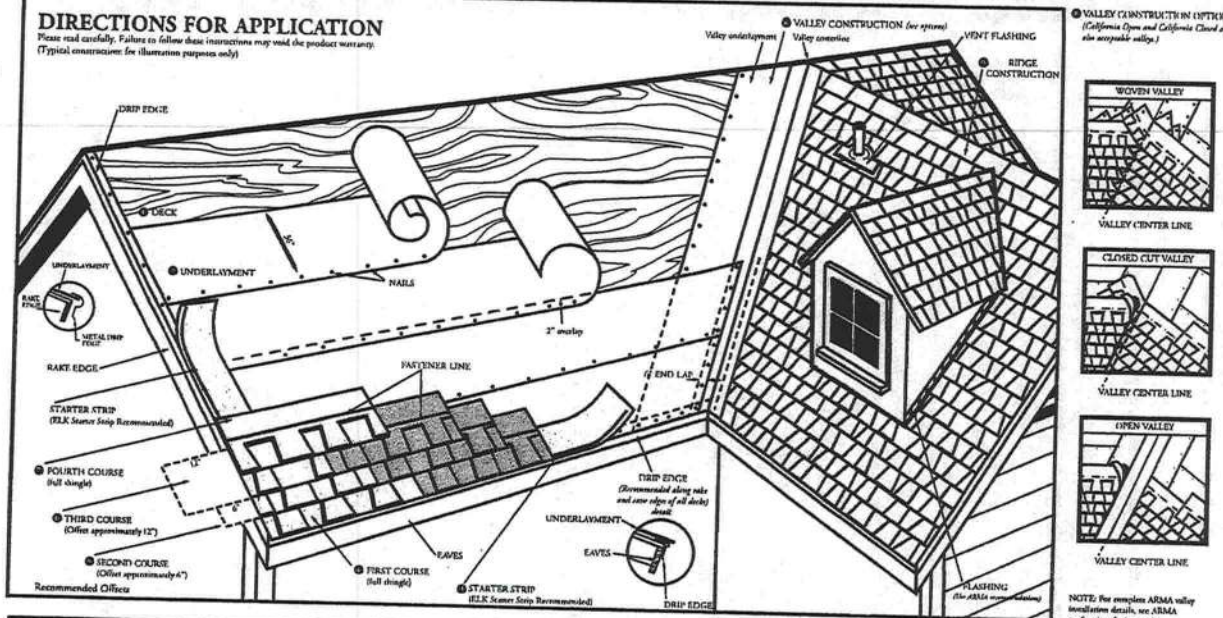
CORPORATE HEADQUARTERS:
800.354.7732

PLANT LOCATION:
800.945.5545

ELK
The Premium Choice®
www.elkcorp.com
SS00T 06/04

DIRECTIONS FOR APPLICATION

Please read 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 the 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 attics should be properly ventilated. Note: It is not necessary to remove tape on back of shingle.

1 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.

2 UNDERLAYMENT

Apply underlayment (Non-Perforated No. 15 or 30 asphalt saturated felt, Elk Versashield® 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 plies of underlayment overlapping a minimum of 19". 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-adhered eave and flashing membrane.

For low slope (2/12 up to 4/12), use a continuous layer of asphalt plastic cement between the two plies 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-adhered eave and flashing membrane.

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

3 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.

1 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.

2 SECOND COURSE

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

3 THIRD COURSE

Offset the next course by 8" with respect to the second course, or consistent with the original offset.

4 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.

5 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 6" of valley center.

6 RIDGE CONSTRUCTION

For ridge construction Elk recommends Class "A" 2" 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 bond 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

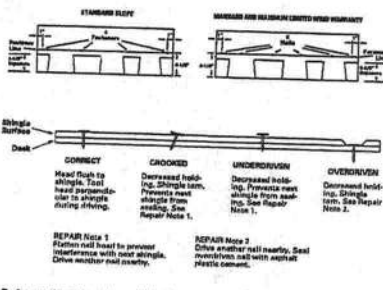
Correct fastening is critical to the performance of the roof. For slopes exceeding 60° (or 21/12) use six fasteners per shingle. Locate fasteners in the fastener area 1" from each side edge with the remaining four fasteners equally spaced along the length of the double thickness (laminated) area. Only 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.® Wind Resistance Rating when applied in accordance with these instructions using nails or staples on re-roofs as well as new construction.

CAUTION TO WHOLESALE: 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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COLUMBIA COUNTY OFFICE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 34-6S-16-04060-123

Building permit No. 000023804

Use Classification SFD, UTILITY

Fire: 17.76

Permit Holder MIKE HERLONG

Waste:

Owner of Building FORT WHITE DEVELOPERS

Total: 17.76

Location: 247 SW PAISLEY COURT



Date: 07/14/2006

Harry Dickel

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

New Construction Subterranean Termite Soil Treatment Record

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

This form is completed by the licensed Pest Control Company.

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

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

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

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

23804

Section 1: General Information (Treating Company Information)

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

Section 2: Builder Information

Company Name: FL White Developers Company Phone No. _____

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 337 SW Spottwood Oaks Dr
FL White Dev
Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other _____
Approximate Depth of Footing: Outside 36 Inside 24 Type of Fill Dirt

Section 4: Treatment Information

Date(s) of Treatment(s) 1-9-05
Brand Name of Product(s) Used Proshield T-2
EPA Registration No. 100-1006
Approximate Final Mix Solution % 0.25%
Approximate Size of Treatment Area: Sq. ft. 7292 Linear ft. 216 Linear ft. of Masonry Voids 216
Approximate Total Gallons of Solution Applied 619
Was treatment completed on exterior? ☐ Yes ☒ No
Service Agreement Available? ☒ Yes ☐ No

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

Attachments (List) _____
Comments _____

Name of Applicator(s) Steve Branner Certification No. (if required by State law) JF104376

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

Authorized Signature Steve Branner Date 1-9-05

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

Form NPCA-99-B may still be used

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

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