

DATE 10/25/2005

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000023775

APPLICANT HAROLD FRANKEL PHONE 752-9592
ADDRESS 1703 SW SISTERS WELCOME RD LAKE CITY FL 32025
OWNER HAROLD FRANKEL PHONE 752-9592
ADDRESS 115 SW BONANZA GLEN LAKE CITY FL 32025
CONTRACTOR OWNER BUILDER PHONE
LOCATION OF PROPERTY 341 S, ON THE LEFT CORNER OF 341 & BONANZA GLEN

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 77100.00
HEATED FLOOR AREA 1542.00 TOTAL AREA 2467.00 HEIGHT 19.50 STORIES 1
FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB
LAND USE & ZONING RMF-1 MAX. HEIGHT 35
Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00
NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 13-4S-16-02952-201 SUBDIVISION CANNON CREEK AIRPARK SOUTHERN APPROACHES
LOT 1 BLOCK PHASE UNIT TOTAL ACRES .50

000000867

Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
PERMIT 05-1058-N BK JH N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: FLOOR ONE FOOT ABOVE THE ROAD, MEET REQUIREMENTS OF
RESOLUTION 2005R-26, NOC ON FILE & DISCLOSURE STATEMENT

Check # or Cash 1099

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$ 390.00 CERTIFICATION FEE \$ 12.34 SURCHARGE FEE \$ 12.34
MISC. FEES \$.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ 25.00 TOTAL FEE 514.68
INSPECTORS OFFICE L. H. CLERKS OFFICE CH

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Mark Disosway, P.E.

POB 868, Lake City, FL 32056, Ph (386) 754-5419, Fax (702) 543-7241

November 29, 2005

Building Department
Columbia County Dept. of Growth Management
35 N. Hernando St..
Lake City, FL 32056-1529

Re: Foundation elevation of the Harold & Cynthia Frankel Residence, Lot 1 Southern Approaches S/D Unit 1 Columbia Co., FL.

Dear Building Inspector:

This letter is in reference to foundation elevation issues at the above referenced house.

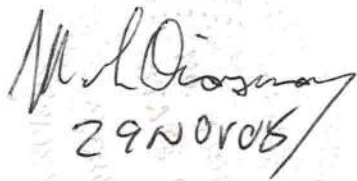
We checked the foundation elevation with a laser level (1/4"/100' accuracy).

Based on the existing surveyors nail in the center of Bonanza Court (111.09') the elevation of the house slab is at **117.00'**.



29 NOV 05

Evan Beamsley
Senior Structural Designer



29 NOV 05

Mark Disosway

Project No. 510141

Foundation Elevation

Page 1 of 1

Florida P.E. No.53915

Mark Disosway, P.E.

POB 868, Lake City, FL 32056, Ph (386) 754-5419, Fax (702) 543-7241

November 29, 2005

Building Department
Columbia County Dept. of Growth Management
35 N. Hernando St..
Lake City, FL 32056-1529

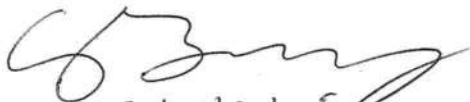
Re: Foundation elevation of the Harold & Cynthia Frankel Residence, Lot 1 Southern Approaches S/D Unit 1 Columbia Co., FL.

Dear Building Inspector:

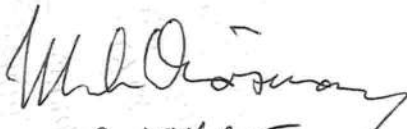
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We checked the foundation elevation with a laser level (1/4"/100' accuracy).

Based on the existing surveyors nail in the center of Bonanza Court (111.09') the elevation of the house slab is at **117.00'**.


29 NOV 05

Evan Beamsley
Senior Structural Designer


29 NOV 05

Mark Disosway

Project No. 510141

Foundation Elevation

Page 1 of 1

Florida P.E. No.53915



CAL-TECH TESTING, INC.

ENGINEERING & TESTING
LABORATORY

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

1655 Acme Street • Orlando, FL 32805
PH (407) 872-7690 • FAX (407) 872-7659

6919 Distribution Avenue S., Unit #5
Jacksonville, FL 32257
(904) 262-4046 • FAX (904) 262-4047

REPORT OF DAILY CONSTRUCTION TESTING AND MONITORING

Client HAROLD FRANKEL
Project FRANKEL RESIDENCE
Contractor SAC

Date 11/03/05
Job. No. _____
Technician P. EDWARDS

WORK ORDER:

☒ DENSITY

Spec's: 95%
Test No.: 1-3
Inches: 16"

☐ CONCRETE

☐ Cylinders
☐ Beams
☐ Prisms
☐ Pick-Up

Set No. 23775

☐ Pick-Up Proctor

☐ Pick-Up LBR

DESCRIPTION OF DAYS ACTIVITIES:

DEPARTED LAKE CITY OFFICE ENROUTE
TO JOB SITE. UPON ARRIVAL I
CONDUCTED Inplace Densities ON
FOOTERS. ALL TEST MET OR EXCEEDED
SPECS.

Time Out: 11:15

Time In: 11:45

FDT's Performed 3

Cyls Cast/Cal-Tech _____

Cyls Cast/Client _____

Beams Cast/Cal-Tech: _____

Weather: Clear

Hours Worked: _____

Other Tests: _____

Hours Travel: 1.5

Miles Travel: _____

Hours Standby: _____

Hours O.T.: _____

Robert A. Edwards
FIELD REPRESENTATIVE

Harold Frankel
CLIENT REPRESENTATIVE

FLORIDA ENERGY EFFICIENCY CODE
FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	Harold & Cindy Frankel	Builder:	Harold Frankel
Address:	Lot: 1, Sub: Southern Apro., Plat:	Permitting Office:	Columbia
City, State:	Lake City, FL 32025-	Permit Number:	23775
Owner:	Frankel Residence	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: 32.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 11.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	1542 ft²	13. Heating systems	
7. Glass area & type		a. Electric Heat Pump	Cap: 32.0 kBtu/hr
a. Clear - single pane	0.0 ft²		HSPF: 6.80
b. Clear - double pane	163.0 ft²	b. N/A	
c. Tint/other SHGC - single pane	0.0 ft²	c. N/A	
d. Tint/other SHGC - double pane	0.0 ft²	14. Hot water systems	
8. Floor types		a. Electric Resistance	Cap: 40.0 gallons
a. Slab-On-Grade Edge Insulation	R=0.0, 191.0(p) ft		EF: 0.90
b. N/A		b. N/A	
c. N/A		c. Conservation credits	
9. Wall types		(HR-Heat recovery, Solar	
a. Frame, Wood, Exterior	R=13.0, 1313.0 ft²	DHP-Dedicated heat pump)	
b. Frame, Wood, Adjacent	R=13.0, 223.0 ft²	15. HVAC credits	
c. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
d. N/A		HF-Whole house fan,	
e. N/A		PT-Programmable Thermostat,	
10. Ceiling types		MZ-C-Multizone cooling,	
a. Under Attic	R=30.0, 1542.0 ft²	MZ-H-Multizone heating)	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 35.0 ft		
b. N/A			

Glass/Floor Area: 0.11 Total as-built points: 22731 PASS
Total base points: 25090

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.	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.
PREPARED BY: Will Myers	
DATE: 06/23/05	
I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.	
OWNER/AGENT:	BUILDING OFFICIAL:
DATE:	DATE:

SUMMER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 1, Sub: Southern Apro., Plat: , Lake City, FL, 32025- 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	1542.0	20.04	5562.3	Double, Clear	W	1.5	5.0	6.0	36.99	0.88	194.3
				Double, Clear	W	13.5	8.7	40.0	36.99	0.44	653.9
				Double, Clear	W	1.5	7.0	15.0	36.99	0.94	520.9
				Double, Clear	N	1.5	7.0	30.0	19.22	0.96	550.6
				Double, Clear	E	6.5	7.0	30.0	40.22	0.54	646.4
				Double, Clear	E	6.5	8.7	22.0	40.22	0.59	524.7
				Double, Clear	S	1.5	7.0	20.0	34.50	0.89	617.2
				As-Built Total:			163.0			3708.1	
WALL TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Adjacent	223.0	0.70	156.1	Frame, Wood, Exterior	13.0			1313.0	1.50		1969.5
Exterior	1313.0	1.70	2232.1	Frame, Wood, Adjacent	13.0			223.0	0.60		133.8
Base Total: 1536.0 2388.2				As-Built Total:			1536.0			2103.3	
DOOR TYPES Area X BSPM = Points				Type	Area X SPM = Points						
Adjacent	20.0	2.40	48.0	Exterior Insulated				20.0	4.10		82.0
Exterior	20.0	6.10	122.0	Adjacent Insulated				20.0	1.60		32.0
Base Total: 40.0 170.0				As-Built Total:			40.0			114.0	
CEILING TYPES Area X BSPM = Points				Type	R-Value			Area X SPM X SCM = Points			
Under Attic	1542.0	1.73	2667.7	Under Attic	30.0			1542.0	1.73 X 1.00		2667.7
Base Total: 1542.0 2667.7				As-Built Total:			1542.0			2667.7	
FLOOR TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Slab	191.0(p)	-37.0	-7067.0	Slab-On-Grade Edge Insulation	0.0			191.0(p)	-41.20		-7869.2
Raised	0.0	0.00	0.0								
Base Total: -7067.0				As-Built Total:			191.0			-7869.2	
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
1542.0 10.21 15743.8				1542.0 10.21 15743.8							

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 1, Sub: Southern Apro., Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT											
Summer Base Points: 19465.0				Summer As-Built Points: 16467.6											
Total Summer Points	X	System Multiplier	=	Cooling Points	Total Component	X	Cap Ratio	X	Duct Multiplier	X	System Multiplier	X	Credit Multiplier	=	Cooling Points
					(DM x DSM x AHU)										
19465.0		0.4266		8303.8	16467.6		1.000		(1.090 x 1.147 x 1.00)		0.310		1.000		6388.0
					16467.6		1.00		1.250		0.310		1.000		6388.0

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 1, Sub: Southern Apro., Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang		Area X WPM X WOF = Points				
					Ornt	Len	Hgt				
.18	1542.0	12.74	3536.1	Double, Clear	W	1.5	5.0	6.0	10.77	1.03	66.8
				Double, Clear	W	13.5	8.7	40.0	10.77	1.21	519.9
				Double, Clear	W	1.5	7.0	15.0	10.77	1.02	164.1
				Double, Clear	N	1.5	7.0	30.0	14.30	1.00	429.8
				Double, Clear	E	6.5	7.0	30.0	9.09	1.27	345.3
				Double, Clear	E	6.5	8.7	22.0	9.09	1.21	242.3
				Double, Clear	S	1.5	7.0	20.0	4.03	1.07	86.6
				As-Built Total:			163.0			1854.8	
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	223.0	3.60	802.8	Frame, Wood, Exterior	13.0		1313.0	3.40		4464.2	
Exterior	1313.0	3.70	4858.1	Frame, Wood, Adjacent	13.0		223.0	3.30		735.9	
Base Total: 1536.0 5660.9				As-Built Total:			1536.0			5200.1	
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	20.0	11.50	230.0	Exterior Insulated				20.0	8.40		168.0
Exterior	20.0	12.30	246.0	Adjacent Insulated				20.0	8.00		160.0
Base Total: 40.0 476.0				As-Built Total:			40.0			328.0	
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	1542.0	2.05	3161.1	Under Attic	30.0		1542.0	2.05 X 1.00		3161.1	
Base Total: 1542.0 3161.1				As-Built Total:			1542.0			3161.1	
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	191.0(p)	8.9	1699.9	Slab-On-Grade Edge Insulation	0.0		191.0(p)	18.80		3590.8	
Raised	0.0	0.00	0.0								
Base Total: 1699.9				As-Built Total:			191.0			3590.8	
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
1542.0 -0.59 -909.8				1542.0 -0.59 -909.8							

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 1, Sub: Southern Apro., Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT							
Winter Base Points:		13624.2		Winter As-Built Points:				13225.0			
Total Winter Points	X	System Multiplier	= Heating Points	Total Component	X	Cap Ratio	X Duct Multiplier	X System Multiplier	X Credit Multiplier	= Heating Points	
				(DM x DSM x AHU)							
13624.2		0.6274	8547.8	13225.0		1.000	(1.069 x 1.169 x 1.00)	0.501	1.000	8287.7	
				13225.0		1.00	1.250	0.501	1.000	8287.7	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 1, Sub: Southern Apro., Plat: , Lake City, FL, 32025-

PERMIT #:

BASE					AS-BUILT					
WATER HEATING					Tank	EF	Number of	X	Tank	X
Number of	X	Multiplier	=	Total	Volume		Bedrooms		Ratio	Multiplier
Bedrooms										Credit = Total
										Multiplier
3		2746.00		8238.0	40.0	0.90	3		1.00	2684.98
					As-Built Total:					8054.9

CODE COMPLIANCE STATUS									
BASE					AS-BUILT				
Cooling	+	Heating	+	Hot Water	=	Total	Cooling	+	Heating
Points		Points		Points		Points	Points		Points
8304		8548		8238		25090	6388		8288
							8055		22731

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 1, Sub: Southern Apro., Plat: , Lake City, FL, 32025-

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 84.7

The higher the score, the more efficient the home.

Frankel Residence, Lot: 1, Sub: Southern Apro., Plat: , Lake City, FL, 32025-

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 32.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 11.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	1542 ft²		
7. Glass area & type		13. Heating systems	
a. Clear - single pane	0.0 ft²	a. Electric Heat Pump	Cap: 32.0 kBtu/hr
b. Clear - double pane	163.0 ft²		HSPF: 6.80
c. Tint/other SHGC - single pane	0.0 ft²	b. N/A	
d. Tint/other SHGC - double pane	0.0 ft²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 191.0(p) ft	a. Electric Resistance	Cap: 40.0 gallons
b. N/A			EF: 0.90
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=13.0, 1313.0 ft²	(HR-Heat recovery, Solar	
b. Frame, Wood, Adjacent	R=13.0, 223.0 ft²	DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 1542.0 ft²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 35.0 ft		
b. N/A			

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

Builder Signature: _____ Date: _____

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



**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/498-8824.*

Energy Gauge-82 Version: FLR1PB v3.22)

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0508-101 Date Received 8-30-05 By LH Permit # 867/23775
Application Approved by - Zoning Official BLK Date 25-10-05 Plans Examiner OK JTH Date 9-8-05
Flood Zone X Development Permit NIA Zoning RMF-1 Land Use Plan Map Category Res. Mod. Dev.
Comments meet requirements of Resolution 2005R-26

Applicants Name HAROLD J. FRANKEL Phone (386) 752-9592
Address 1703 SW SISTERS WELCOME Rd. LAKE CITY, FL 32025
Owners Name SAME Phone _____
911 Address 115 SW Bonanza Glen, Lake City FL 32025
Contractors Name SAME (Owner) Phone _____
Address _____
Fee Simple Owner Name & Address NIA
Bonding Co. Name & Address NIA
Architect/Engineer Name & Address William Myers - P.O. Box 1513 - Lake City, FL 32056
Mortgage Lenders Name & Address NIA

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
Property ID Number 13-45-16-02952-201 Estimated Cost of Construction 100,000
Subdivision Name CANNON CREEK AIRPARK Southern Approaches Lot 1 Block _____ Unit _____ Phase _____
Driving Directions SOUTH ON SISTERS WELCOME Rd. LEFT ON BONANZA GLEN on
BEFORE INTERSTATE the Corner

Type of Construction WOOD FRAME Number of Existing Dwellings on Property NONE
Total Acreage .054 Lot Size 1/2 ACRE Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive
Actual Distance of Structure from Property Lines - Front 25 FT. Side 25 FT. Side 10 FT. Rear 15 FT.
Total Building Height 19.5 Number of Stories 1 Heated Floor Area 1542 S.F. Roof Pitch 6 on 12
PORCHES 325 GARAGE 600 TOTAL 2467

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.

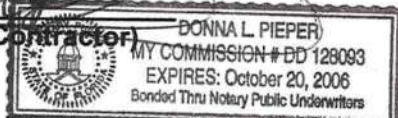
Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 29 day of August 2005.

Personally known _____ or Produced Identification FLAD.L.



Contractor Signature

Contractors License Number _____

Competency Card Number _____

NOTARY STAMP/SEAL

Donna L. Pieper

Notary Signature

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 13-45-16-02952-201

- 1. Description of property: (legal description of the property and street address or 911 address)
LOTS UNIT 1 SOUTHERN APPROACHES COLUMBIA COUNTY
115 SW BONANZA GLEN - COURT
- 2. General description of improvement: NEW HOUSE & HANGAR
- 3. Owner Name & Address HAROLD & CYNTHIA FRANKEL = 1703 SW SISTERS WELCOME RD. LAKE CITY, FL 32025 Interest In Property _____
- 4. Name & Address of Fee Simple Owner (if other than owner): _____
- 5. Contractor Name OWNER CONTRACTOR Phone Number (386) 752-9592
Address _____
- 6. Surety Holders Name _____
Address _____
Amount of Bond _____

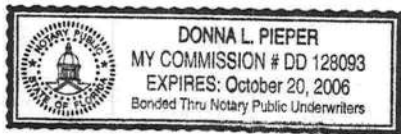
Inst: 2005021867 Date: 09/08/2005 Time: 11:16
YMK DC, P. Dewitt Cason, Columbia County B: 1057 P: 1591
- 7. Lender Name _____
Address _____
Phone Number _____
- 8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:
Name _____ Phone Number _____
Address _____
- 9. In addition to himself/herself the owner designates _____ of _____
to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -
(a) 7. Phone Number of the designee _____
- 10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified) _____

NOTICE AS PER CHAPTER 713, Florida Statutes:
The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

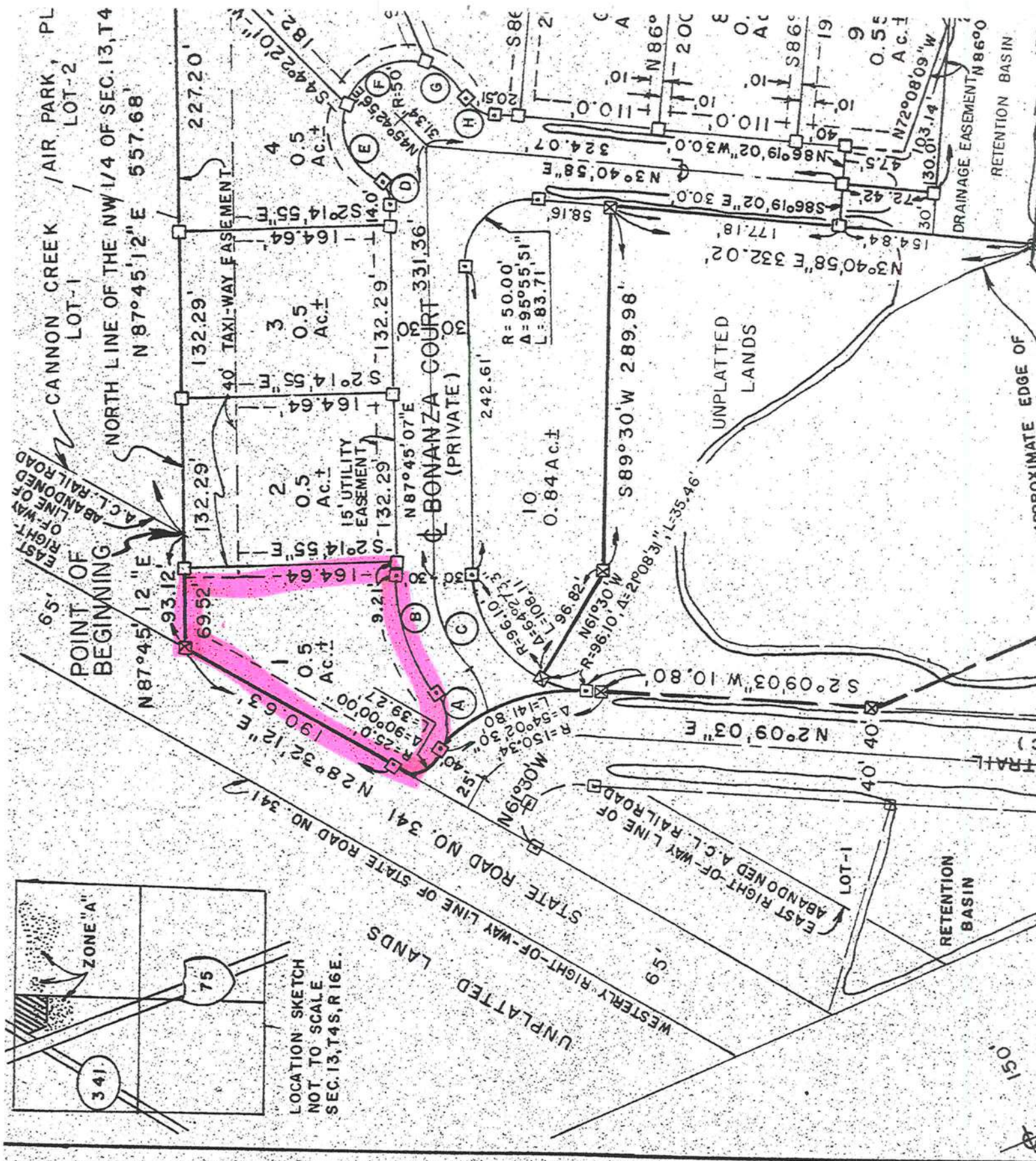
[Signature]
Signature of Owner

Sworn to (or affirmed) and subscribed before day of August 29, 2005

NOTARY STAMP/SEAL



[Signature]
Signature of Notary



DISCLOSURE STATEMENT

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

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

TYPE OF CONSTRUCTION

- ☒ Single Family Dwelling
☐ Farm Outbuilding
☒ New Construction

- ☐ Two-Family Residence
☐ Other _____

☐ Addition, Alteration, Modification or other Improvement

NEW CONSTRUCTION OR IMPROVEMENT

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

Signature

Date

FOR BUILDING USE ONLY

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

Date 10-25-05 Building Official/Representative

L. L. L.

COLUMBIA COUNTY 9-1-1 ADDRESSING

263 NW Lake City Ave. * P. O. Box 1787 * Lake City, FL 32056-1787

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

Addressing Maintenance

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

DATE ISSUED: August 2, 2005

ENHANCED 9-1-1 ADDRESS:

115 SW BONANZA GLN (LAKE CITY, FL 32025)

Addressed Location 911 Phone Number: NOT AVAIL.

OCCUPANT NAME: NOT AVAIL.

OCCUPANT CURRENT MAILING ADDRESS: _____

PROPERTY APPRAISER PARCEL NUMBER: 13-4S-16-02952-201

Other Contact Phone Number (If any): _____

Building Permit Number (If known): _____

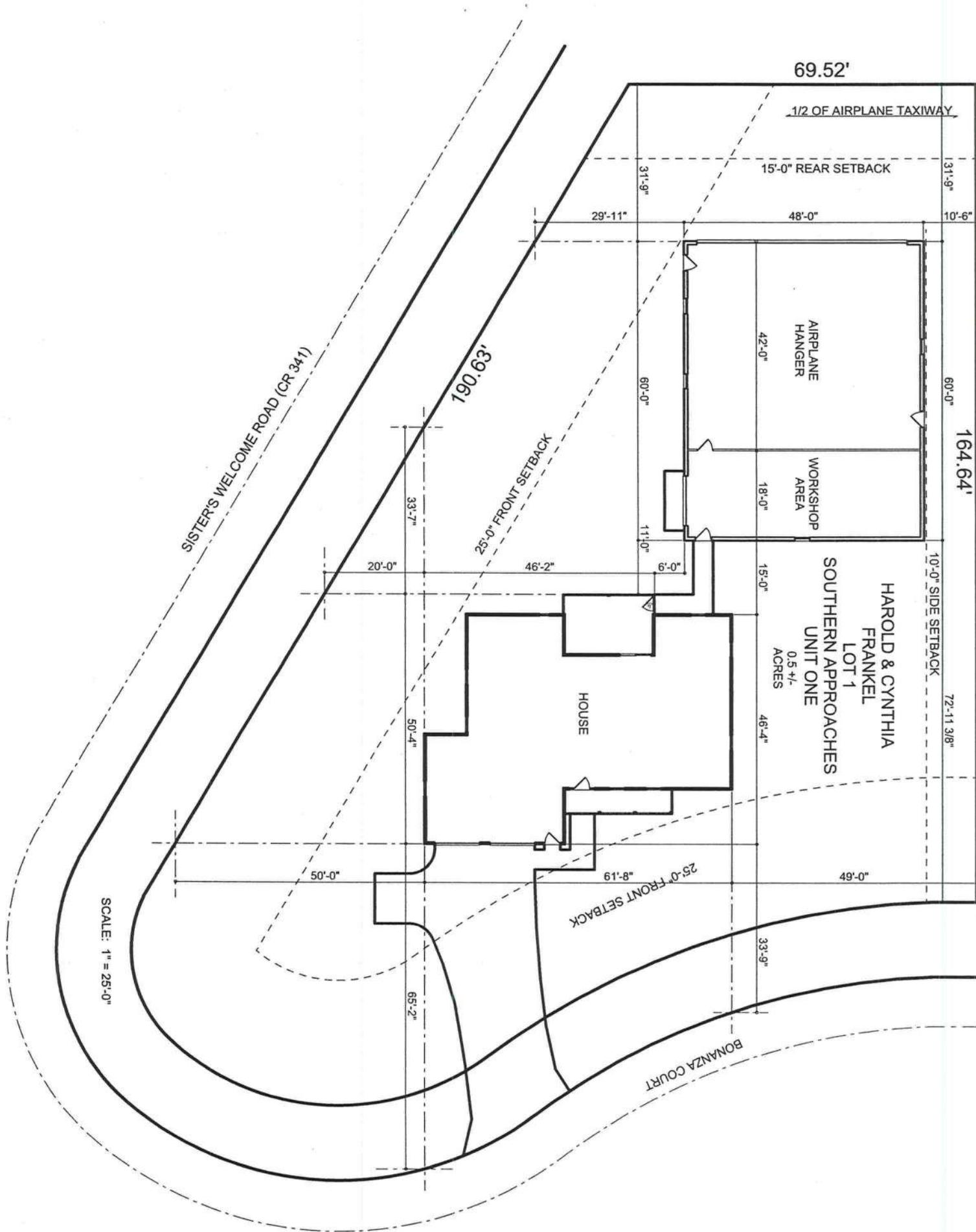
Remarks: LOT 1 SOUTHERN APPROACHES, UNIT ONE, S/D

Address Issued By: _____

Columbia County 9-1-1 Addressing / GIS Department

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

COLUMBIA COUNTY
9-1-1 ADDRESSING
APPROVED





City of Lake City

205 N. MARION AVE.
LAKE CITY, FLORIDA 32055

TELEPHONE: (386) 752-2031
FAX: (386) 752-4896

August 25, 2005

Mr. Brian Hepner
County Planner
Columbia County
P. O. Drawer 1529
Lake City, FL 32056

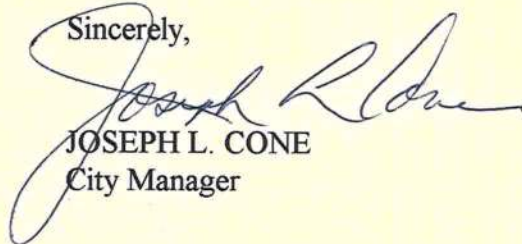
IN RE: CANNON CREEK, LOT 1

Dear Brian:

Please be advised building on Lot 1, Southern Approach, Unit 1, is included in a FDEP permit application currently pending before the FDEP office in Jacksonville, FL. Once approved, Lot No. 1 will be served via low pressure force main city water and sewer. We anticipate approval in the near future as the application has been under review for quite some time..

If you need any further information, please feel free to call me at 386/719-5768.

Sincerely,



JOSEPH L. CONE
City Manager

JLC/jrw

cc: Mark Lander, County Health Department
Ray Sessions, Cannon Creek
Harold Frankel, Cannon Creek

Mayor-Councilman
STEPHEN M. WITT

Vice-Mayor-Councilman
GEORGE R. WARD

Council Members
JOHN ROBERTSON
EUGENE JEFFERSON
J. MICHAEL LEE

City Attorney
HERBERT F. DARBY

City Manager
JOSEPH L. CONE

City Clerk
AUDREY E. SIKES

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

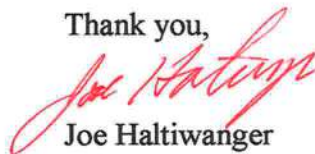
Reference to: Build permit application Number: **0508-101 Harold Frankel Owner Builder lot 1 Unit 1 of Southern Approaches Subdivision**

On the date of September 8, 2005 application 0508-101 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.

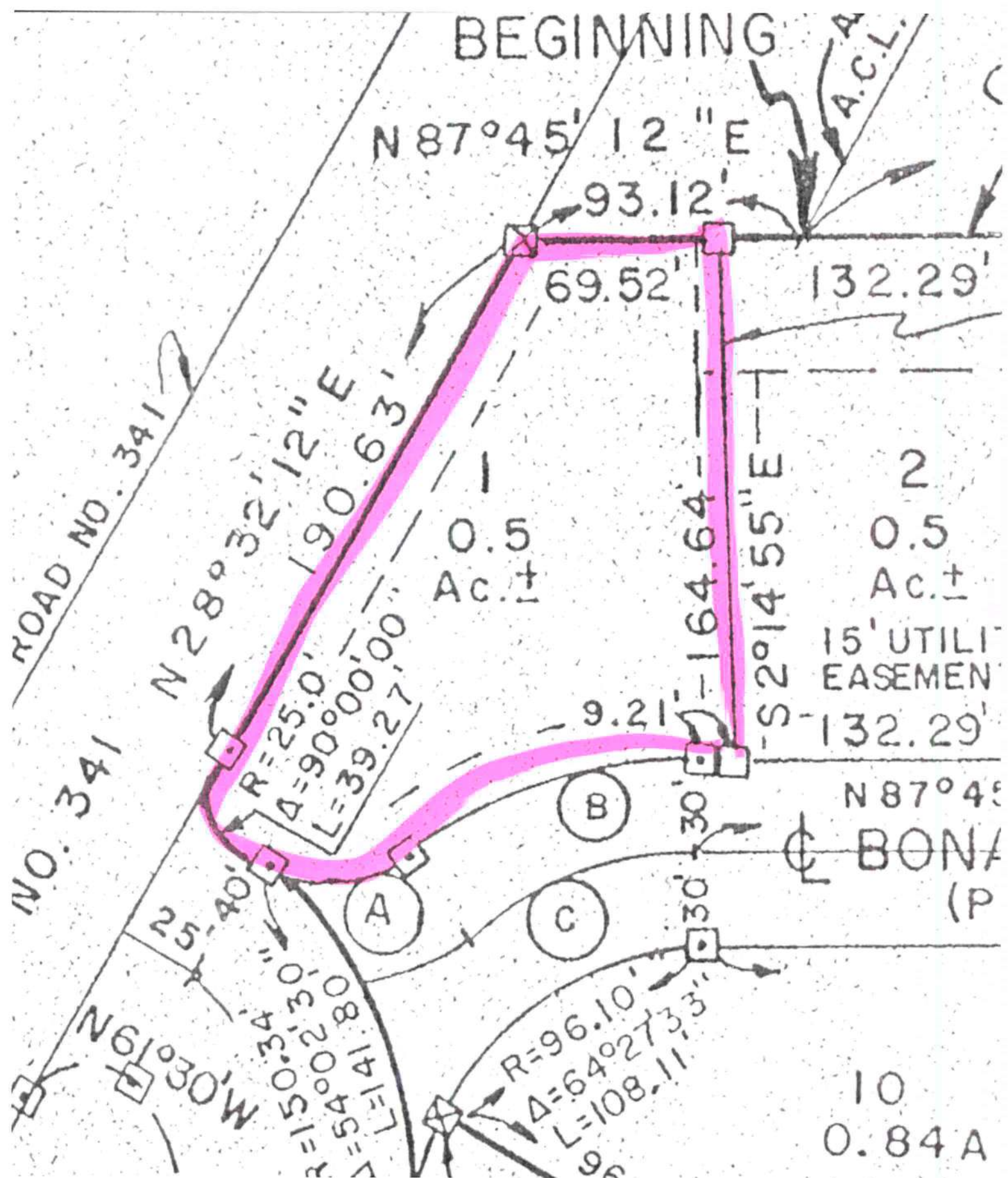
Please include application number 0508-101 when making reference to this application.

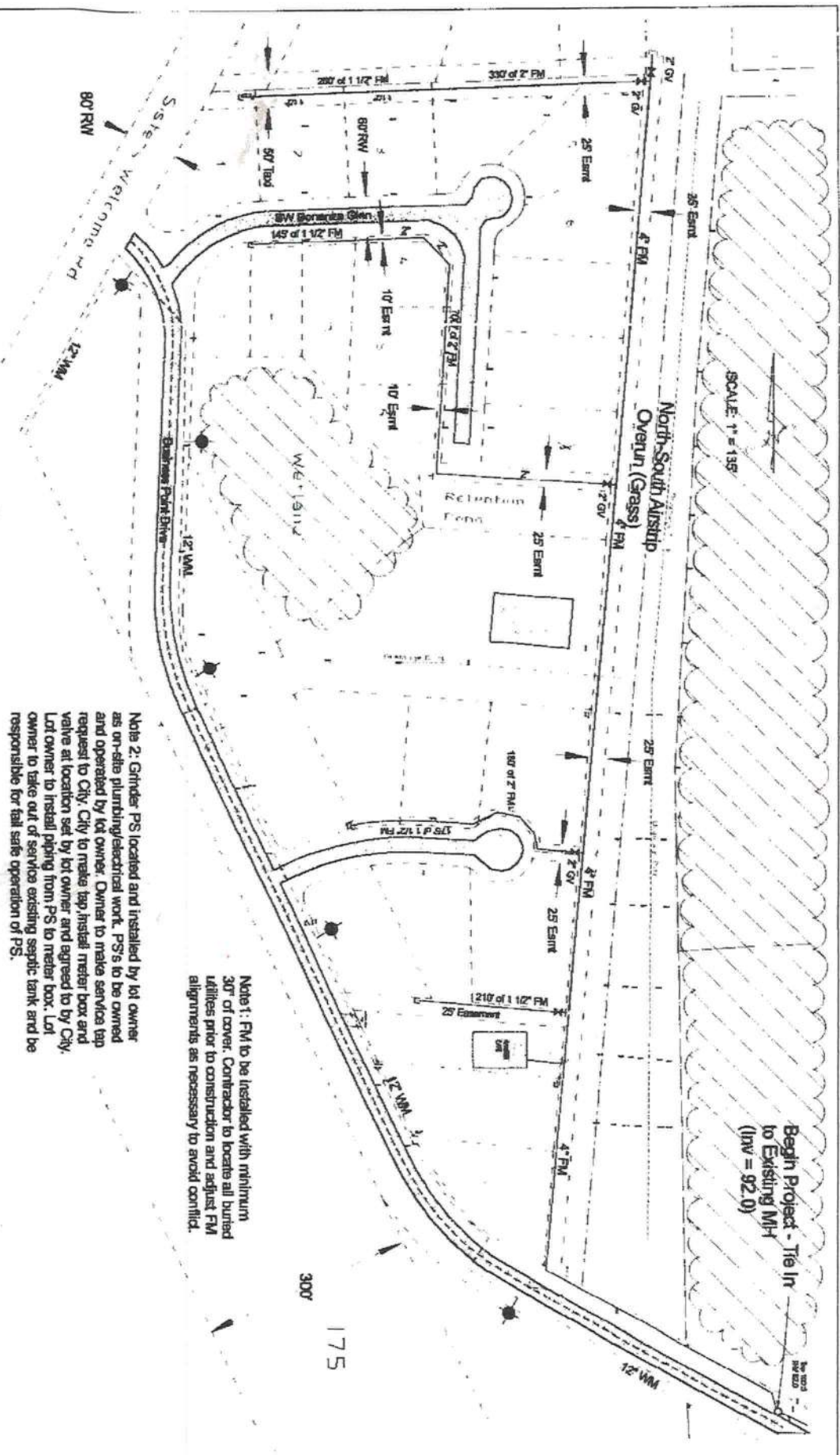
1. Please submit a recorded notice of commencement with this department prior to requesting any inspections on this dwelling.
2. Please provide a release copy of from the Columbia County Environmental Department for the waste water disposal system compliance.
3. Please submit approval of products by The Florida Building Commission for the exterior door, roofing materials and windows to be used in the shear wall of the dwelling.

Thank you,



Joe Haltiwanger
Plan Examiner
Columbia County Building & Zoning
Department





Note 1: FM to be installed with minimum 30" of cover. Contractor to locate all buried utilities prior to construction and adjust FM alignments as necessary to avoid conflict.

Note 2: Grinder PS located and installed by lot owner as on-site plumbing/electrical work. PS's to be owned and operated by lot owner. Owner to make service tap request to City. City to make tap, install meter box and valve at location set by lot owner and agreed to by City. Lot owner to install piping from PS to meter box. Lot owner to take out of service existing septic tank and be responsible for full safe operation of PS.

City of Lake City, Florida WasteWater Collection System	 Sanitary Sewer/Low Pressure Collection System Cannon Creek Airpark - Southern Approaches	SEAL: Henry A. Sheldon, P.E. 11611 SW 89th Street Gainesville, FL 32608	SHEET: 
--	---	---	--

District No. 1 - Ronald Williams
District No. 2 - Dewey Weaver
District No. 3 - George Skinner
District No. 4 - Jennifer Flinn
District No. 5 - Elizabeth Porter



BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY

MEMORANDUM

Date: 20 October 2005
To: John Colson, P.E., County Engineer
From: Brian L. Kepner, County Planner *BLK*
Re: Grading Plan

*OK J.C. Colson
10/25/05*

Please find attached a grading plan for Lot 1, Southern Approaches Subdivision. Please review and advise if the grading plan meets the requirements of Resolution 2005R-26 for issuance of a building permit. Thank You.

BOARD MEETS FIRST THURSDAY AT 7:00 P.M.
AND THIRD THURSDAY AT 7:00 P.M.

P. O. BOX 1529 ▼

LAKE CITY, FLORIDA 32056-1529 ▼

PHONE (386) 755-4100



STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 05-1058N

PART II - SITE PLAN

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

See
Attached

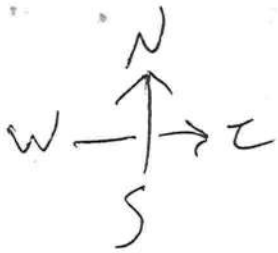
Notes:

Site Plan submitted by: [Signature] Signature OWNER Title

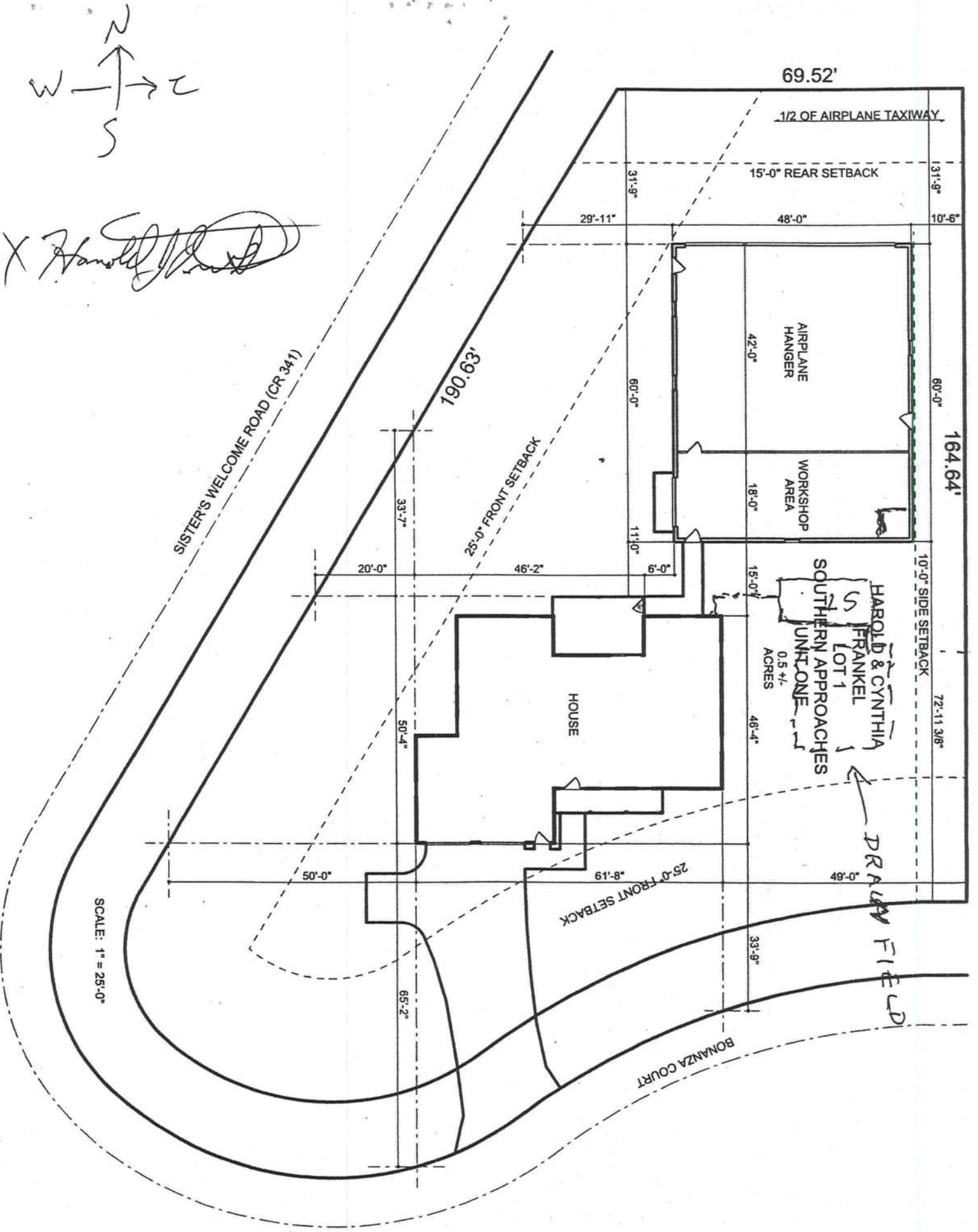
Plan Approved 1 Not Approved Date 10/13/05

By [Signature] Colin County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT



X Harold Frankel



X

Opaque Inswing Unit

COP-WL-EN4101-02

WOOD-EDGE STEEL DOORS

CERTIFIED TEST REPORTS:

NCTL 210-1864-5, 6

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 0.032" steel. Bottom end rails constructed of 0.032" 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



Test Data Review Certificate #3021447C and COP/Test Report Validation Matrix #3026447C-001 provides additional information - available from the ITSAWH website (www.itsawh.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Entergy
Entry Systems

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



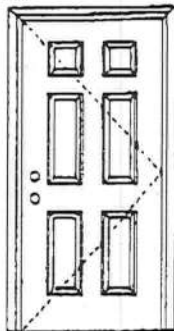
Exclusively from

Masonite
Masonite International Corporation

X

Opaque Inswing Unit

COP-WL-EN4101-02

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 #3026447C and COP/Exit Report Validation M-1110 #3026447C-001 provides additional information - available from the ITSA/VH website (www.gilsumke.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Single Door

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

Design Pressure**+76.0/-76.0**

limited water unless special threshold design is used

Large Missile Impact Resistance**Hurricane protective system (shutters) is NOT REQUIRED.**

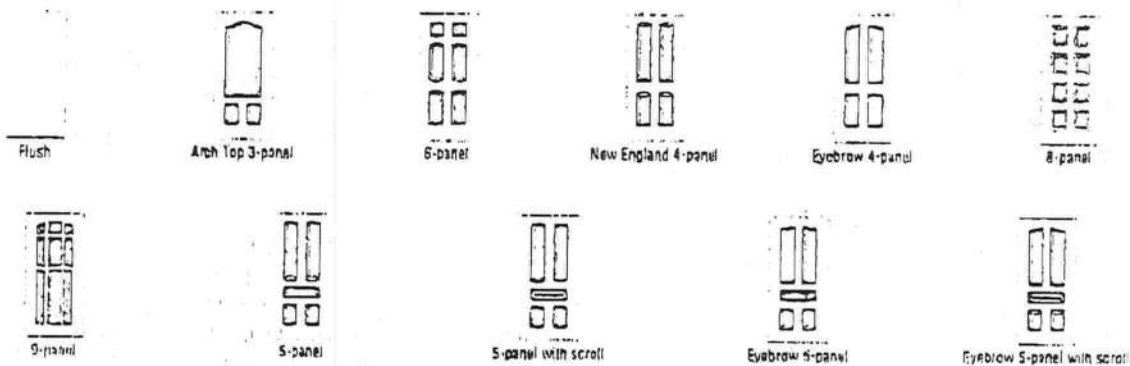
Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

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:

Entergy
Entry Systems

June 17, 2002

Our commitment to product improvement makes specifications, details and product detail subject to change without notice.



Exclusively from

Masonite
Masonite International Corporation

JUN 01 2004 10:16

PAGE. 02

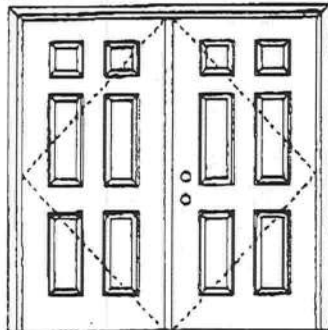
XX

Opaque Inswing Unit

COP-WL-EN4102-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Test Data Review Certificate #3026147C
and COP/Test Report Validation Matrix
#3026447C-001 provides additional
information - available from the IT/WH
website (www.plisemko.com), the
Masonite website (www.masonite.com)
or the Masonite technical center.

Note:

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

Double Door

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

Design Pressure

+55.0/-55.0

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-MA0002-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed - see MID-WL-MA0002-02.

APPROVED DOOR STYLES:



Flush



Arch Top 3-panel



6-panel



New England 4-panel



Eyebrow 4-panel



8-panel



9-panel



5-panel



5-panel with scroll



Eyebrow 5-panel



Eyebrow 5-panel with scroll

Entergy
Entry Systems

June 17, 2002

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



Exclusively from

Masonite International Corporation

XX

Opaque Inswing Unit

COP-WL-EN4102-02

WOOD-EDGE STEEL DOORS

CERTIFIED TEST REPORTS:

NCTL 210-1905-7, 8, 9

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 0.032" steel. Bottom end rails constructed of 0.032" 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).



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

Warrick Hersey



Test Data Review Certificate #2015447C
and COP/Est Report Validation #11116
#3026447C-001 provides additional
information - available from the TSWH
website (www.tswh.com), the
Masonite website (www.masonite.com)
or the Masonite technical center.

2

Entergy
Entry Systems

June 17, 2002

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



Exclusively from

Masonite
Masonite International Corporation



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

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 740/744

TYPE: Aluminum Single Hung Window with Flange

Title of Test	Results
Rating	H-R45 53 x 73
Overall Design Pressure	45 psf
Operating Force	23 lbs max.
Air Infiltration	0.10 cfm/ft ²
Water Resistance	6.75 psf
Structural Test Pressure	+67.5 psf -70.8 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

Reference should be made to Report No. 01-40351.04 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.

Mark A. Hess

Mark A. Hess, Technician

MAH:baw

Allen M. Reeves
15 FEBRUARY 2002



Test Results: (Continued)

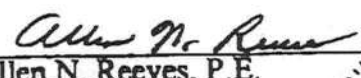
<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.1.8	Forced Entry Resistance per ASTM F 588-97 Type: A Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Test A1 thru A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry
<u>Optional Performance</u>			
4.3	Water Resistance per ASTM E 547-96 (with and without screen) WTP = 6.75 psf	No leakage	No leakage
4.4.1	Uniform Load Deflection per ASTM E 330-97 (Measurements were taken on the meeting rail) (Loads held for 52 seconds) @ 45.0 psf (positive) @ 45.0 psf (negative)	0.95* 0.79*	0.29" max. 0.29" max.
* Exceeds L/175 for deflection, but meets all other test requirements			
4.4.2	Uniform Load Structural per ASTM E 330-97 (Measurements were taken on the meeting rail) (Loads held for 10 seconds) @ 67.5 psf (positive) @ 67.5 psf (negative)	0.14" 0.16"	0.20" max. 0.20" max.
4.4.2	@ 70.8 psf (negative)	0.19"	0.20" max.

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

For ARCHITECTURAL TESTING, INC:


Mark A. Hess
Technician

MAH:baw
01-40351.04


Allen N. Reeves, P.E.
Director - Engineering Services
15 FEBRUARY 2002



Test Specimen Description:**Drainage:** Sloped sill**Reinforcement:** No reinforcement was utilized.

Installation: The test buck was fabricated from 2 x 8 #2 Spruce-Pine-Fir. The unit was secured utilizing three 1-5/8" drywall screws through the jamb track, 5" from sill, 1-3/4" below meeting rail and 1" from head. The head utilized drywall screws 3-1/2" from jambs and midspan. Exterior perimeter was sealed with silicone.

Test Results:

The results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.1	Operating Force	23 lbs	30 lbs max.
2.1.2	Air Infiltration per ASTM E 283 (See Note #1) @ 1.57 psf (25 mph)	0.10 cfm/ft ²	0.30 cfm/ft ² max.

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

2.1.3	Water Resistance per ASTM E 547-96 (with and without screen) WTP = 2.86 psf	See Note #2	No leakage
-------	---	-------------	------------

Note #2: The client opted to start at a pressure higher than the minimum required. Those results are listed under "Optional Performance".

2.1.4.2	Uniform Load Structural per ASTM E 330-97 (Measurements were taken on the meeting rail) @ 22.5 psf (positive) @ 22.5 psf (negative)	See Note #2	0.20" max. 0.20" max.
2.2.1.6.2	Deglazing Test per ASTM E 987 In operating direction at 70 lbs		
	Top rail	0.06"/12%	0.50"/100%
	Bottom rail	0.06"/12%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.03"/6%	0.50"/100%
	Right stile	0.03"/6%	0.50"/100%

Allen N. Reeves
15 FEBRUARY 2002



Test Specimen Description: (Continued)

Weatherstripping:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
0.330" high by 0.187" backed polypile with center fin	1 Row	Fixed meeting rail interlock
0.170" high by 0.187" backed polypile with center fin	1 Row	Fixed lite, stiles and top rail
3/8" diameter hollow bulb gasket	1 Row	Bottom rail
0.310" high by 0.187" backed polypile with center fin	1 Row	Active sash stiles
0.150" high by 0.187" wide polypile	1 Row	Active sash stiles

Frame Construction: All frame members were constructed of extruded aluminum with coped, butted and sealed corners fastened with two screws each. Fixed meeting rail was secured utilizing one screw in each end directly through exterior face into jamb. Silicone was utilized around exterior meeting rail/jamb joinery.

Sash Construction: All sash members were constructed of extruded aluminum with coped and butted corners fastened with one screw each.

Screen Construction: The screen frame was constructed from roll formed aluminum members with plastic keyed corners. The screening consisted of a fiberglass mesh and was secured with a flexible vinyl spline.

Hardware:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Plastic tilt latch	2	One each end of the interior meeting rail
Metal sweep lock	2	13" from meeting rail ends
Balance assembly	2	One per jamb
Screen tension spring	2	One per end of screen stile
Tilt pin	2	One each end of bottom rail

Allen N. Reeves
15 FEBRUARY 2002



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

Rendered to:

MI HOME PRODUCTS, INC.
P.O. Box 370
Gratz, Pennsylvania 17030-0370

Report No: 01-40351.04
Test Date: 10/22/01
And: 10/23/01
Report Date: 02/14/02
Expiration Date: 10/23/05

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to witness performance testing on a Series/Model 740/744, aluminum single hung window at MI Home Products, Inc.'s test facility in Elizabethville, Pennsylvania. The sample tested successfully met the performance requirements for an H-R45 53 x 73 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: 740/744

Type: Aluminum Single Hung Window With Flange

Overall Size: 4' 4-7/8" wide by 6' 0-1/8" high

Active Sash Size: 4' 2-3/4" wide by 2' 11-3/4" high

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

Screen Size: 4' 1-7/8" wide by 2' 11-5/16" high

Finish: All aluminum was polished.

Glazing Details: The active sash and fixed lite were glazed with one sheet of 1/8" thick clear, tempered glass. Each sash was channel glazed using a flexible vinyl gasket.

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

Allen M. Reeves
15 FEBRUARY 2002





INNOVATIONS FOR LIVING™

Roofing System

- SITE MAP
- PRODUCTS
- SERVICES
- LITERATURE
- CORPORATE
- CAREERS
- OC WORLDWIDE
- CONTACT

KEYWORD SEARCH

GO

Oakridge PRO 30® AR Shingles

Oakridge PRO 30® AR shingles feature muted color blends and a subtle single shadow for an understated complement to home exteriors. Their durable, laminated shingle design features rugged, weathering-grade asphalt and a tough Fiberglas® mat core. *Oakridge* PRO 30 AR shingles are backed by a 70 mph wind-resistance warranty and carry a UL Class A Fire Rating. Plus, they're specially treated to resist roof discoloration due to algae growth, and carry a separate 10-year [algae-resistance warranty](#).

[3-Part Specification](#)
[Data Sheet](#)
[Installation Instructions](#)



SHINGLE COLORS

Product Specifications

Nominal Size: 13 1/4" x 38 3/4"
Exposure: 5 5/8"
Shingles per Square: 66
Bundles per Square: 3
Coverage per Square: 99.9 sq. ft.

Applicable Standards

ASTM D 228
ASTM D 3018, Type I
ASTM D 3161
ASTM D 3462
ASTM E 108, Class A
UL 790, Class A
UL 997

Add to my Personal Project File

Thinking about remodeling, adding insulation, or building a new house?



1-800-GET PINK

You are here: [Roofing System](#)
[Roofing System](#) | [Roofing System](#)

[Privacy Policy](#)

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[Owens Corning](#)



Quality Assurance

- A. Shingles shall carry Underwriter’s Laboratories Labels:
 - 1. UL® 790, Class A Fire Resistance
 - 2. UL® 997, Wind Resistance
 - 3. ASTM D3462
- B. Install shingles to meet requirements of published Owens Corning instructions.

Submittals

- A. Manufacturer color sample showing full range of colors available for specified products.
- B. Product literature and recommended installation procedures.
- C. Owens Corning Limited Warranty *

Delivery, Storage, and Handling

- A. Deliver materials to site in manufacturer’s unopened bundles with labels intact and legible.
- B. Handle and store materials on site to prevent damage. Store in a covered ventilated area at a maximum temperature of 110°F.
- C. Do not stack product more than 2 pallets high. If stacking 2 pallets high, use separator boards to protect the shingles below.
- D. Roof Top Loading: Lay shingle bundles flat. Do not bend over the ridge.

Project Conditions

- A. Proceed with installing shingles only when weather is appropriate for a quality installation.
- B. Do not install underlayment or shingles on wet surfaces.

Warranty

- A. Materials: Owens Corning 30-year Limited Warranty* terms and conditions apply.

PART 2 – PRODUCTS

Asphalt Shingles

Owens Corning Oakridge® PRO 30™ AR fiber glass-based asphalt shingles complying with ASTM specifications E 108 Class A or UL 790 Class A, D 3462, D 3161, D228 or UL 997, D 3018 Type 1. State of Florida Approved.

Oakridge® PRO 30™ AR Shingle Product Specification

Nominal Size:	13 1/4” x 38 3/4”
Exposure:	5 5/8”
Shingles per Square:	66
Bundles per Square:	3 bundles of 22 shingles
Coverage per Square:	99.9 sq. ft.

Ventilation

Owens Corning VentSure® Products

- 1. Rigid Roll Ridge Vent with Weather PROtector™
- 2. VentSure Rigid Strip Ridge Vent
- 3. VentSure Roof vents
- 4. VentSure™ Gable vents VentSure Undereave vents
- 5. VentSure Miniature vents
- 6. VentSure Foundation vents.

Waterproofing Underlayment

Owens Corning waterproofing underlayment “WeatherLock” self-adhesive waterproofing underlayment, fiber glass reinforced with SBS modified asphalt, UL Listed.

- 1. WeatherLock® Mat,
- 2. WeatherLock® G
- 3. WeatherLock® P

Asphalt Felt Underlayment

Non-perforated, [Type I, No. 15] [Type II, no. 30], asphalt saturated felt complying with ASTM D 226, ASTM D 4869 or ASTM D 6757.

Asphalt Roofing Cement

ASTM D 4869 Type I or II Standard Specification for Asphalt Roof Cement, Asbestos-Free.

Hip & Ridge Shingles

Owens Corning Hip and Ridge shingles of same background color as field of roof.

Hip & Ridge Product Specification:

High Ridge Hip & Ridge	
Nominal Size:	12”x 12”
Exposure:	8”
Pieces per Carton:	32
Lineal Feet per Carton:	21.3 ft.

Fasteners

All fasteners must be driven flush with the shingle surface and penetrate at least 3/4” into the wood deck. Where the deck is less than 3/4” thick, the fastener should be long enough to penetrate fully and extend at least 1/8” through the roof deck.

Owens Corning recommends the use of nails as the preferred method of attaching shingles to wood decking or other nailable substrates. If staples are used they must be, corrosion resistant, zinc-coated, 16-gauge minimum with minimum 15/16” crown width. Staples must be long enough to penetrate at least 3/4” into solid decking, or extend a minimum of 1/8” through the APA-rated sheathing.

PART 3 – EXECUTION

Examination

Prior to starting work, examine all roof decks on which work is to be applied for defects in materials and workmanship which may be detrimental to the proper installation or long-term performance of the shingles.

Installation

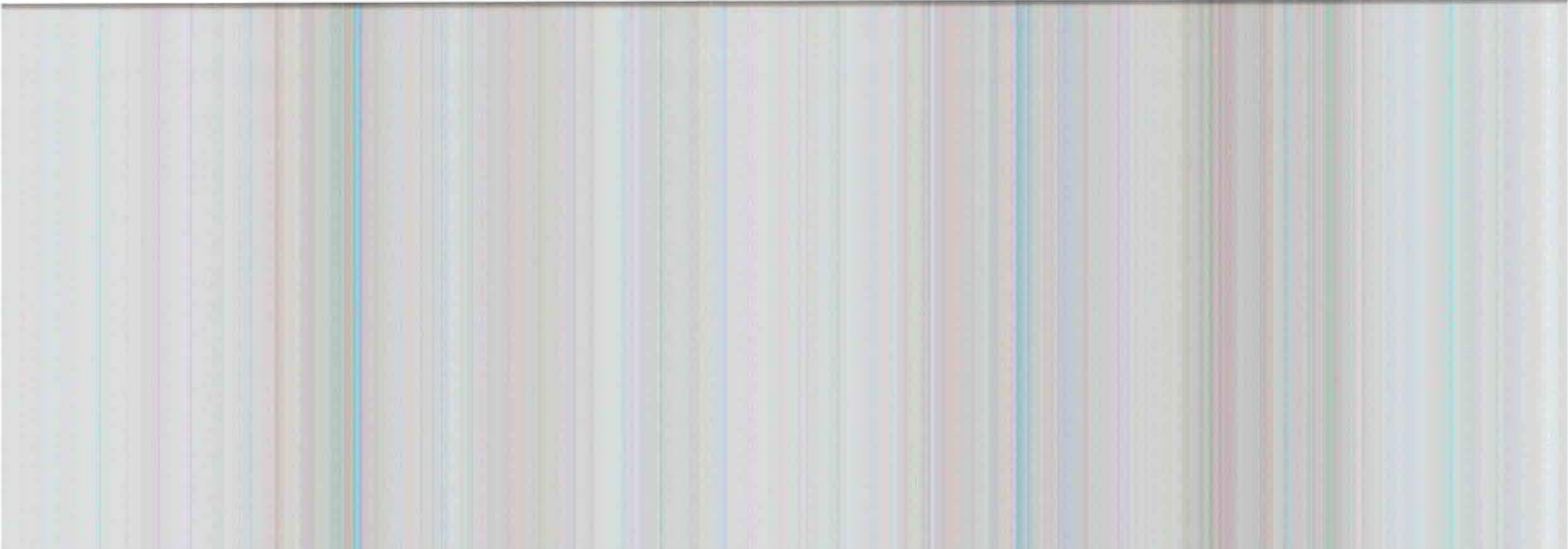
Installation shall be in accordance with the Guide to Installing Asphalt Roofing Shingles published by Owens Corning and your local building codes.

Product styles and colors change over time, for current selection of products and colors in your area, please contact your Owens Corning representative.

Owens Corning strives to accurately reproduce the images of shingles in this literature. However, due to manufacturing variances, the limitation of graphic reproduction and the variation in natural exterior lighting, actual shingle colors, and granule blends may vary from the images you see reproduced in this literature. For this reason, it is important to see an actual roofing sample or actual products installed on a home before making final color selection.

Available in the following plant service areas: Atlanta, Jacksonville, Jessup South

* See actual warranty for complete details.



PRODUCT SPECIFICATION – OAKRIDGE® PRO 30™ AR

Section 07311 Fiber glass-based Asphalt Shingles.

PART 1 – GENERAL

Related Sections

- A. Rough Carpentry Section 06100.
- B. Roof and Deck Insulation Section 07240 for insulation placed over roof decking.

Notes to Specifier:

1. Underlayment and shingles installed directly over roof insulation or similar type decks is not approved.
 2. Roof deck must be dry, minimum 25/32" thick, maximum 6" wide boards, or APA rated sheathing (exposure 1): minimum 3/8" plywood, minimum 7/16" oriented strand board or waferboard. Consult your Owens Corning representative for other approved constructions.
 3. Ventilation under roof deck must meet FHA Minimum Property Standards.
- C. Flashing and Sheet Metal: Section 07600. For snow guards, metal flashing and drip edges, including step-type flashing installed with shingles.
 - D. Roof Accessories: Section 07800.
Accessories.
 1. RAFT-R-MATE® UL® Listed
 2. Soffits
 3. VentSure® Ventilation Products
 4. Hip & Ridge Shingles
 5. WeatherLock®

References

Standards and Building Codes

- A. ASTM D 224 -Standard Specification for Smooth-Surfaced Asphalt Roll Roofing.
- B. ASTM D 226 – Standard Specification for Asphalt-Saturated Organic Felt used in Roofing and Waterproofing.
- C. ASTM D 3018 – Standard Specification for Class A Shingles Surfaced with Mineral Granules.
- D. ASTM D 3161 – Standard Test Method for Wind-Resistance of Asphalt Shingles (Fan-Induced Method).
- E. ASTM D 3462 – Standard Specification for Asphalt Shingles Made from Glass felt and Surfaced with Mineral Granules.
- F. ASTM D 4586 – Standard Specification for Asphalt Roof Cement, Asbestos –Free.
- G. ASTM D 4869 – Standard Specification for Asphalt –Saturated Organic Felt Shingle Underlayment Used in roofing.
- H. ASTM D 6757 - Standard Specification for Inorganic Underlayment for Use with Steep Slope Roofing
- I. ASTM E 108 – Standard Test Methods for Fire Tests of Roof Coverings.



OAKRIDGE PRO 30® AR SHINGLES

Sophisticated Expression, Enduring Style

The view from the street just got a little better. The muted color blends and subtle shadows of Oakridge Pro 30 AR shingles offer increased curb appeal and low-maintenance durability.

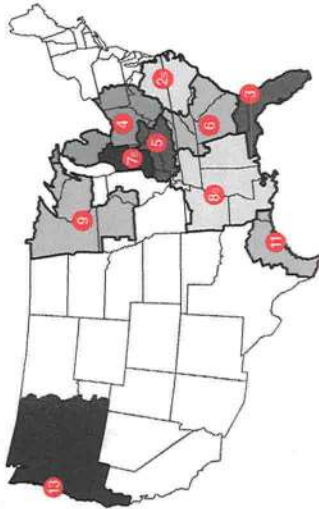
- A more sophisticated alternative to traditional shingles
- Engineered to resist roof discoloration from algae growth
- Durable weathering-grade asphalt shingles bonded together with tough Fiberglas® mat core for lasting performance and protection
- 30-Year Limited Warranty*
- 70-MPH Wind Resistance Limited Warranty*
- Algae Resistance Limited Warranty*
- Class A UL Fire Rating—the industry's highest rating



*See actual warranty for complete details, limitations and requirements.

COLOR AVAILABILITY MAP

For assistance in identifying your Service Area, ask your contractor or call 1-800-GET-PINK.



Color Availability¹



Beachwood Sand
Not Available in
Service Areas 4, 5, 7E, 8S, 9, 11, 13 (see map).
Complemented by color
matching Hip & Ridge.



Driftwood
Not Available in
Service Areas 2S, 3, 6, 8S, 11 (see map).
Complemented by color
matching Hip & Ridge.



Sierra Gray
Not Available in
Service Areas 2S, 3, 6, 8S, 11 (see map).
Complemented by color
matching Hip & Ridge.



Amber
Not Available in
Service Areas 2S, 3, 6, 13 (see map).
Complemented by color
matching Hip & Ridge.



Desert Tan
Complemented by color
matching Hip & Ridge.



Onyx Black
Not Available in
Service Area 13 (see map).
Complemented by color
matching Hip & Ridge.



Shasta White
Not Available in
Service Areas 2S, 4, 5, 6, 7E, 8S, 9, 11, 13 (see map).
Complemented by color
matching Hip & Ridge.



New – Quarry Gray
Not Available in
Service Area 13 (see map).
Complemented by color
matching Hip & Ridge.



Brownwood
Not Available in
Service Area 13 (see map).
Complemented by color
matching Hip & Ridge.



Estate Gray
Complemented by color
matching Hip & Ridge.



Chateau Green
Not Available in
Service Area 13 (see map).
Complemented by color
matching Hip & Ridge.



New – Terra Cotta
Not Available in
Service Areas 4, 5, 7E, 9, 13 (see map).
Complemented by color
matching Hip & Ridge.



Teak
Not Available in
Service Areas 3, 13 (see map).
Complemented by color
matching Hip & Ridge.



Antique Silver
Not Available in
Service Areas 4, 5, 7E, 8S, 9, 11, 13 (see map).
Complemented by color
matching Hip & Ridge.



New – Harbor Blue
Not Available in
Service Area 13 (see map).
Complemented by color
matching Hip & Ridge.



New – Colonial Slate
Not Available in
Service Areas 2S, 3, 6, 8S, 11, 13 (see map).
Complemented by color
matching Hip & Ridge.

¹Owens Corning strives to accurately reproduce photographs of shingles. Due to manufacturing variances, the limitations of the printing process and the variations in natural lighting, actual shingle colors and grayscale blends may vary from the photos. The pitch of your roof can also impact how a shingle looks on your home. We suggest that you view a roofing display or several shingles to get a better idea of the actual color. To accurately judge your shingle and color choice, we recommend that you view it on an actual roof with a pitch similar to your own roof prior to making your final selection. Color availability subject to change without notice.

OAKRIDGE PRO 30® AR SHINGLES

Sophisticated Expression, Enduring Style

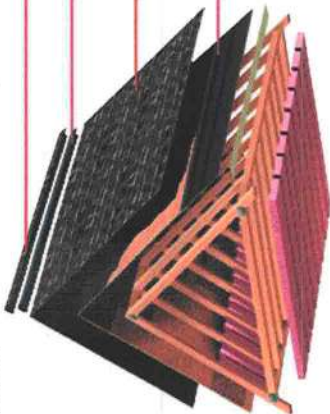


OAKRIDGE PRO 30® AR SHINGLES

Sophisticated Expression, Enduring Style

PROTECT YOUR HOME FROM THE TOP DOWN WITH OUR COMPLETE ROOFING SYSTEM

Your roof is more than just shingles. It's a complete system that also requires hip & ridge shingles, ventilation, and waterproofing underlayment products. Each of these elements plays an important role in protecting your home, and they work together to ensure the beauty and durability of your roof.



Hip & Ridge Shingles

VentSure® Ventilation Products

Shingles

WeatherLock® Waterproofing Underlayment Products

HIP & RIDGE SHINGLES

Help protect ridge vents from weathering

- Cover your roof's ridge line
- Add extra protection and a more dimensional look
- Are compatible with all Owens Corning shingle products
- Come in several styles (on a regional basis)

VENTSURE® VENTILATION PRODUCTS

Help prevent structural damage

- Fit between the top of your roof and its Hip & Ridge Shingles
- Reduce moisture condensation in winter and excessive heat in summer to help guard against premature aging and deck warping
- Help keep air moving through the attic, balancing outdoor and indoor temperatures

SHINGLES

Provide protection and beauty

- Function best when used as part of a complete roofing system
- Ensure moisture resistance with weathering-grade asphalt coating
- Offer structural durability with a strong Fiberglas® mat core

WEATHERLOCK® WATERPROOFING UNDERLAYMENT PRODUCTS

Resist roof deck damage

- Act as a protective layer between your roof deck and shingles
- Are scientifically engineered to provide a solution to every application need with four uniquely designed waterproofing underlayments

Product Specifications

Nominal Size:	13 1/2" x 38 1/2"
Exposure:	5 1/4"
Shingles per Square:	66
Bundles per Square:	3
Coverage per Square:	99.9 sq. ft.

Tested for Excellence

All Owens Corning shingles are tested to meet or exceed applicable standards measuring fire coverage and wind resistance.

Applicable Standards & Codes

ICBO ESR 5443*	ASTM D 3018, Type I
ASTM D 3462	ASTM D 228
ASTM E 108, Class A	UL 790, Class A
ASTM D 3161	UL 997

Florida Building Code**

*Applicable in Service Area BS (1, 1, 1) (see map inside)

**Applicable only in Service Area 3 (see map inside)



OWENS CORNING WORLD HEADQUARTERS

ONE OWENS CORNING PARKWAY
TOLEDO, OHIO, USA 43689

www.owenscorning.com 1-800-GET-PINK

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Pub. No. 57837-A, Atlanta, Brookville, Houston, Jacksonville, Jax-South, Medina, Memphis-South, Minneapolis, Portland, Summit-East



Featured roof colors on houses are (clockwise from top) Estate Gray, Driftwood and Onyx Black.†



**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**

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

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

Applicant**Plans Examiner**☒☒☒☒☒[illegible][illegible]

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:

- Dimensions of lot
- Dimensions of building set backs
- Location of all other buildings on lot, well and septic tank if applicable, and all utility easements.
- 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

Floor Plan including:

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

Foundation Plan including:

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

Roof System:

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

Wall Sections including:

- a) Masonry wall
 - 1. All materials making up wall
 - 2. Block size and mortar type with size and spacing of reinforcement
 - 3. Lintel, tie-beam sizes and reinforcement
 - 4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
 - 5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation
 - 6. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
 - 7. Fire resistant construction (if required)
 - 8. Fireproofing requirements
 - 9. Shoe type of termite treatment (termicide or alternative method)
 - 10. Slab on grade
 - a. Vapor retardant (6mil. Polyethylene with joints lapped 6 inches and sealed)
 - b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
 - 11. Indicate where pressure treated wood will be placed
 - 12. Provide insulation R value for the following:
 - a. Attic space
 - b. Exterior wall cavity
 - c. Crawl space (if applicable)

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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)

☐

☐

NA

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

Floor Framing System:

☐

☐

NA

a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer

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☐

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:

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a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified

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☒

b) Ceiling fans

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☒

c) Smoke detectors

☒

☒

d) Service panel and sub-panel size and location(s)

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☒

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

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☒

a) Manual J sizing equipment or equivalent computation

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☒

b) Exhaust fans in bathroom

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☒

Energy Calculations (dimensions shall match plans)

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☐

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

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Disclosure Statement for Owner Builders

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

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☐

Private Potable Water

a) Size of pump motor

b) Size of pressure tank

c) Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

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

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

NOTICE:

ADDRESSES BY APPOINTMENT ONLY!

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

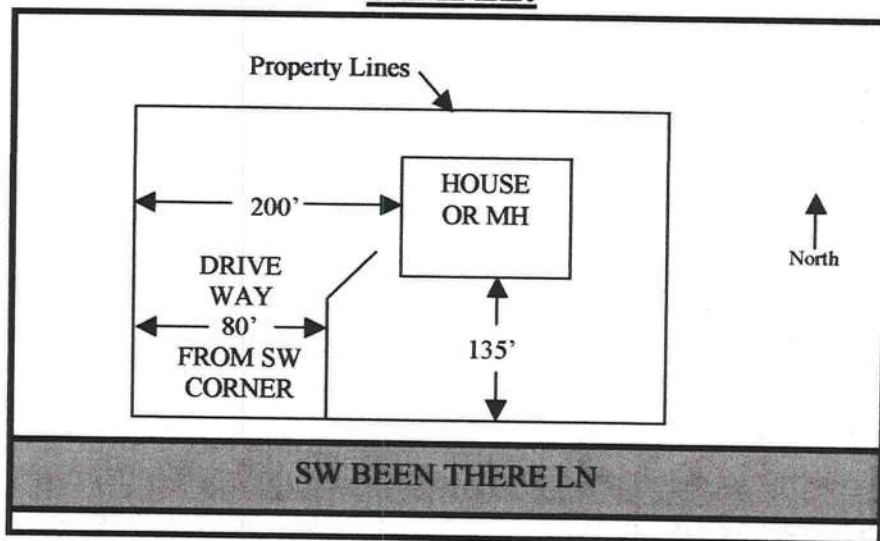
YOU CAN NOT OBTAIN A NEW ADDRESS OVER THE TELEPHONE. MUST MAKE AN APPOINTMENT!

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

THE REQUESTER WILL NEED THE FOLLOWING:

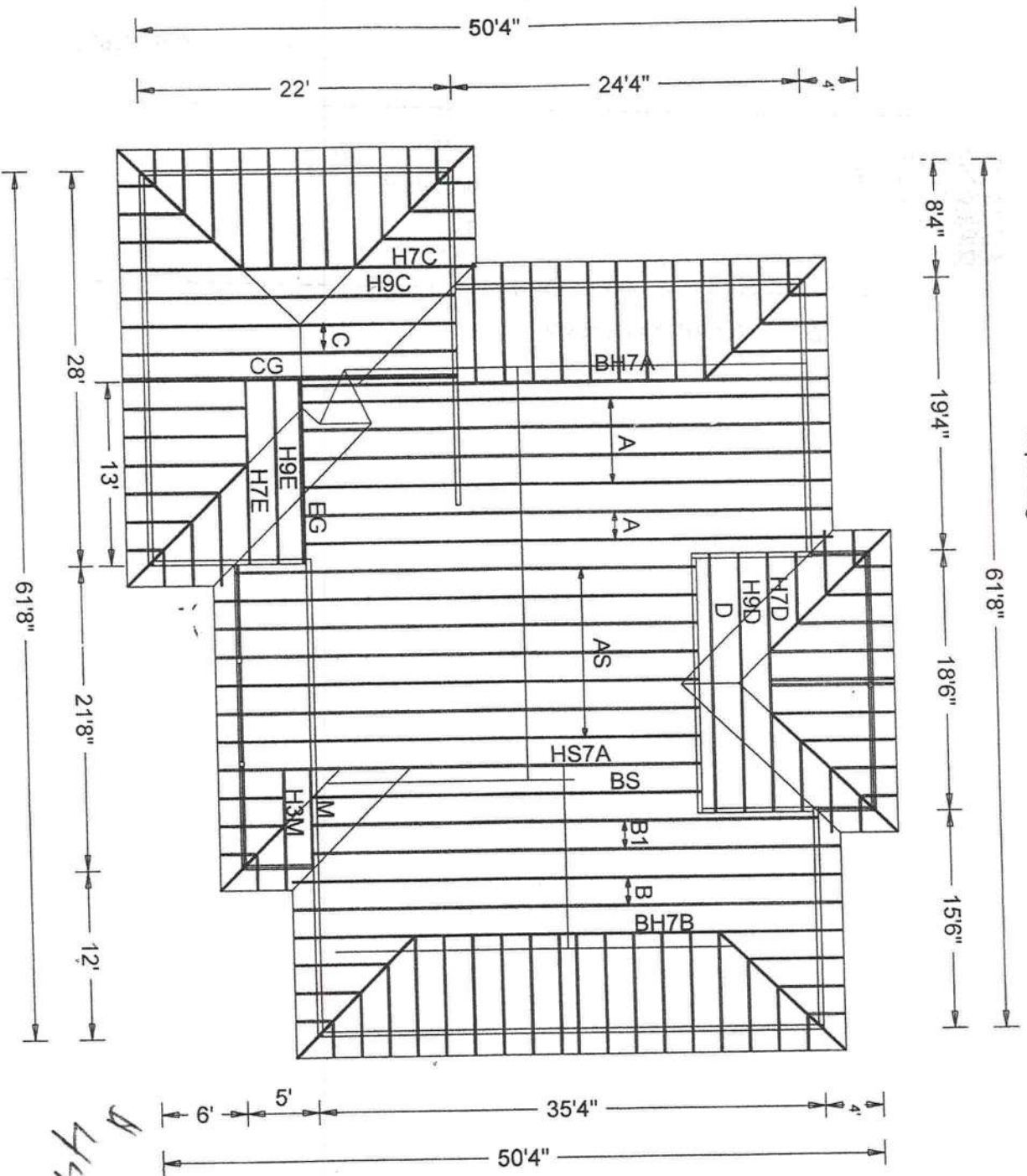
1. THE PARCEL OR TAX ID NUMBER (SAMPLE: "25-4S-17-12345-123" OR "R12345-123) FOR THE PROPERTY.
2. A PLAT, PLAN, SITE PLAN, OR DRAWING SHOWING THE PROPERTY LINES OF THE PARCEL.
 - a. LOCATION OF PLANNED RESIDENT OR BUSINESS STRUCTURE ON THE PROPERTY WITH DISTANCES FROM TWO OF THE PROPERTY LINES TO THE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

SAMPLE:



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

Roof Plane Sheathing Area = 3214 sq. ft
Fascia Material = 310 linear ft
Valley Flashing Material = 88 linear ft
Ridge Cap Material = 68 linear ft
Hip Ridge Material = 186 linear ft

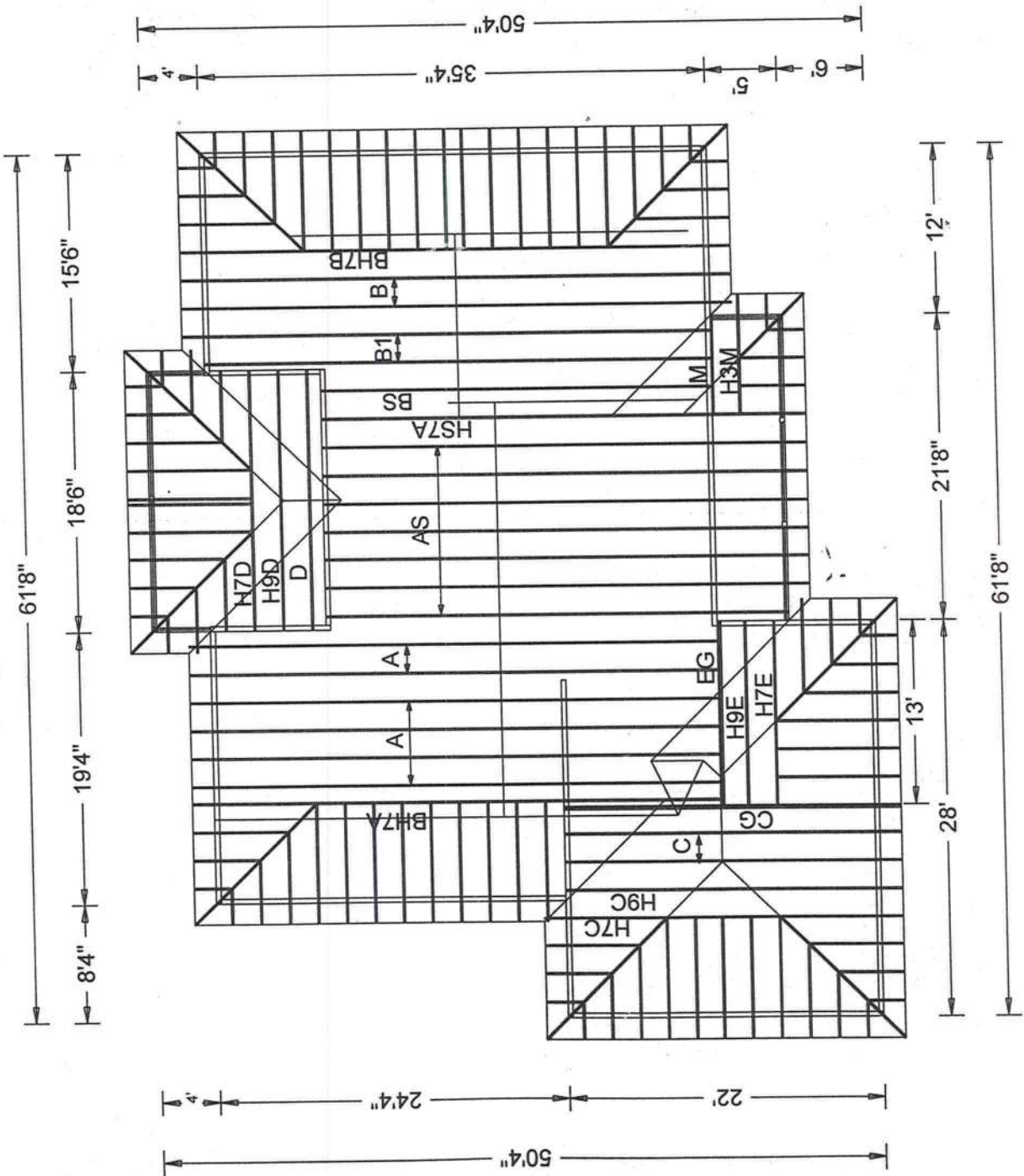


4450.00
+ tax

HAROLD FRANKEL

JOB LOCATION:		JOB DESCRIPTION: HAROLD FRANKEL	DESIGNED BY:
PAGE NO: 1 OF 1	JOB NO: 5-348		

Roof Plane Sheathing Area = 3214 sq. ft
Fascia Material = 310 linear ft
Valley Flashing Material = 88 linear ft
Ridge Cap Material = 68 linear ft
Hip Ridge Material = 186 linear ft



HAROLD FRANKEL

JOB NO: 5-348	DESIGNED BY:	JOB DESCRIPTION: HAROLD FRANKEL	JOB LOCATION:
PAGE NO: 1 OF 1			

Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID:ISPD487-Z0105152446

Truss Fabricator: Anderson Truss Company
Job Identification: 5-348-HAROLD FRANKEL
Truss Count: 27
Model Code: Florida Building Code 2001
Truss Criteria: ANSI/TPI-1995(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 1-1995 Section 2.2
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR487

Details: BRCLBSUB-CNBRGBLK


Seal Date: 08/05/2005

-Truss Design Engineer-
Arthur R. Fisher
Florida License Number: 59637
1950 Marley Drive
Haines City, FL 33844

#	Ref	Description	Drawing#	Date
1	01992--A		05217008	08/05/05
2	01993--A		05217009	08/05/05
3	01994--BH7A		05217010	08/05/05
4	01995--HS7A		05217011	08/05/05
5	01996--AS		05217012	08/05/05
6	01997--BH7B		05217013	08/05/05
7	01998--B		05217001	08/05/05
8	01999--B1		05217002	08/05/05
9	02000--BS		05217003	08/05/05
10	02001--H7C		05217014	08/05/05
11	02002--CG		05217015	08/05/05
12	02003--H9C		05217004	08/05/05
13	02004--C		05217005	08/05/05
14	02005--H7D		05217016	08/05/05
15	02006--H9D		05217006	08/05/05
16	02007--D		05217007	08/05/05
17	02008--H7E		05217017	08/05/05
18	02009--H9E		05217018	08/05/05
19	02010--EG		05217019	08/05/05
20	02011--EJ7		05217020	08/05/05
21	02012--CJ5		05217021	08/05/05
22	02013--HJ7		05217022	08/05/05
23	02014--CJ3		05217023	08/05/05
24	02015--H3M		05217024	08/05/05
25	02016--CJ1		05217025	08/05/05
26	02017--HJ3		05217026	08/05/05
27	02018--M		05217027	08/05/05



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

110 mph wind, 14.01 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.

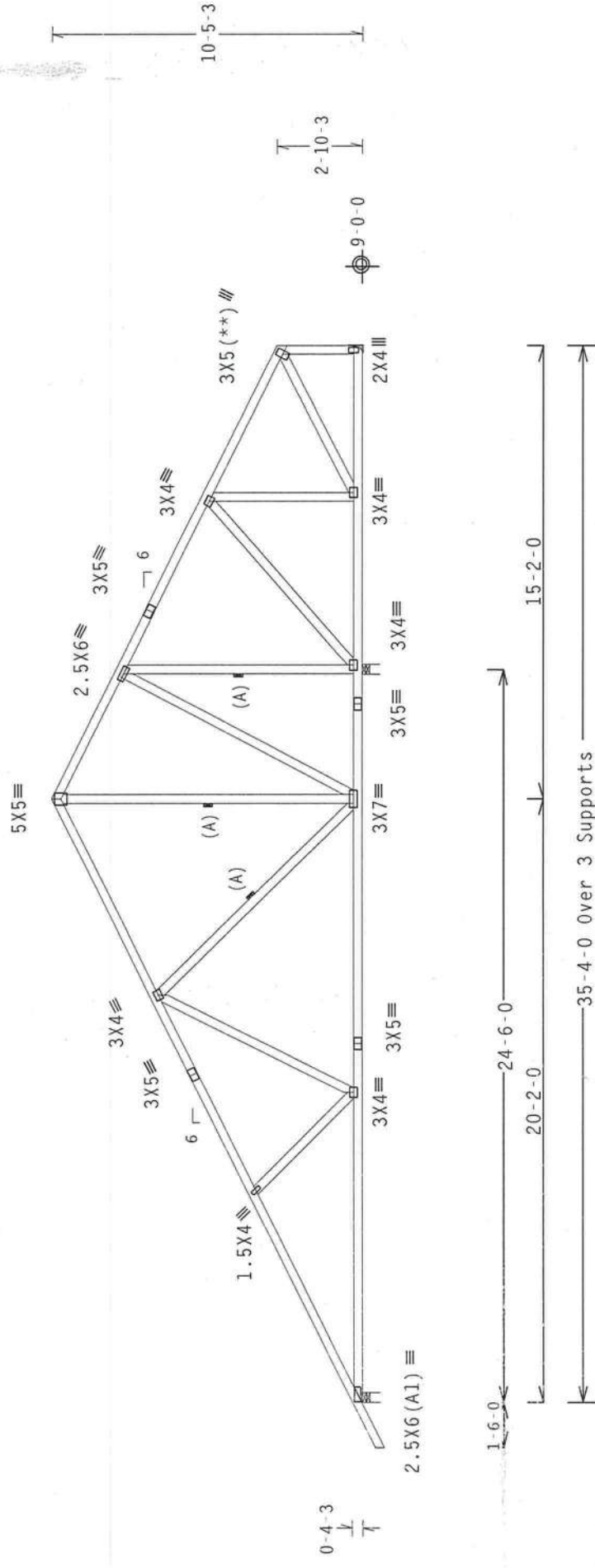
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Right end vertical not exposed to wind pressure.

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

(A) Continuous lateral bracing equally spaced on member.

(**) Plate relocated as shown.



$\bar{p}=989 \quad I=283 \quad W=4"$

R=1755 II=577 W=4"

R=179 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" na
w/ (4) 10d Common, 0.148"x
Girder is (1)2X6 min So.P

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

0.4

Scale = .1875"/Ft.

[illegible]

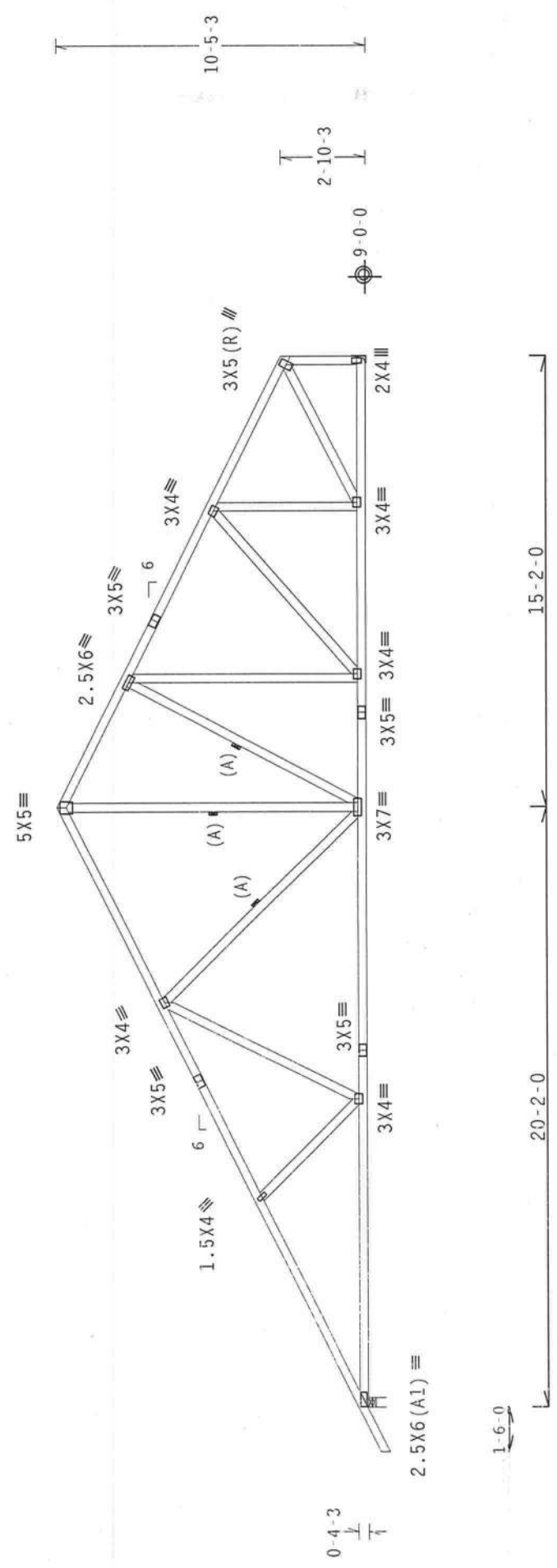
Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	

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

Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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



R=1524 U=459 W=4"

—35-4-0 Over 2 Supports

R=1399 U=423 H=Simpson HUS26
(6) 10d Common, 0.148"x3.0" nails in Truss
(4) 10d Common, 0.148"x3.0" nails in Girder
S.Pine (1)2X6 min. So.Pine

Scale = .1875" / Ft.

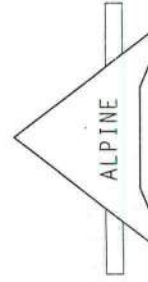
2	FL/-/3/-/-/R/-	Scale = .1875" / Ft.
TC LL	20.0 PSF	REF R487 -- 1993
TC DL	10.0 PSF	DATE 08/05/05
BC DL	10.0 PSF	DRW HCUSR487 05217009
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 151272
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SPD487_Z01



PLT TYP: Wave TPI

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLECE INSTITUTE, 5831 W. DUNDEN RD., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COMPANY 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. AN ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR THE DESIGN OF ANY STRUCTURE OTHER THAN THE TRUSS COMPONENTS. ANY FAILURE TO BUILD THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL BUILDING CODE, THE NATIONAL DESIGN SPEC., BY ASEA AND THE ALPINE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY ASEA) AND TPI-1. STEEL CONNECTOR PLATES ARE MADE OF 2014/166A OR 6061-T6 ALUMINUM. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. PLATES TO EACH FACE OF TRUSS AND R-10. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEK AS OF TPI-1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMEK/TPI-1 SEC. 2.



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

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.

(A) Continuous lateral bracing equally spaced on member.

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

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

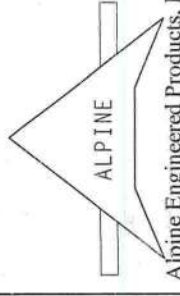
THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.

Left end vertical not exposed to wind pressure.



Design Crit: TPI-1995(STD)/FBC

TC LL	20.0	PSF	REF	R487 --	1995
TC DL	10.0	PSF	DATE	08/05/05	
BC DL	10.0	PSF	DRW	HCUSR487	05217011
BC LL	0.0	PSF	HC-ENG	JB/AF	
TOT.LD.	40.0	PSF	SEQN-	151359	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1SPD487_Z01	



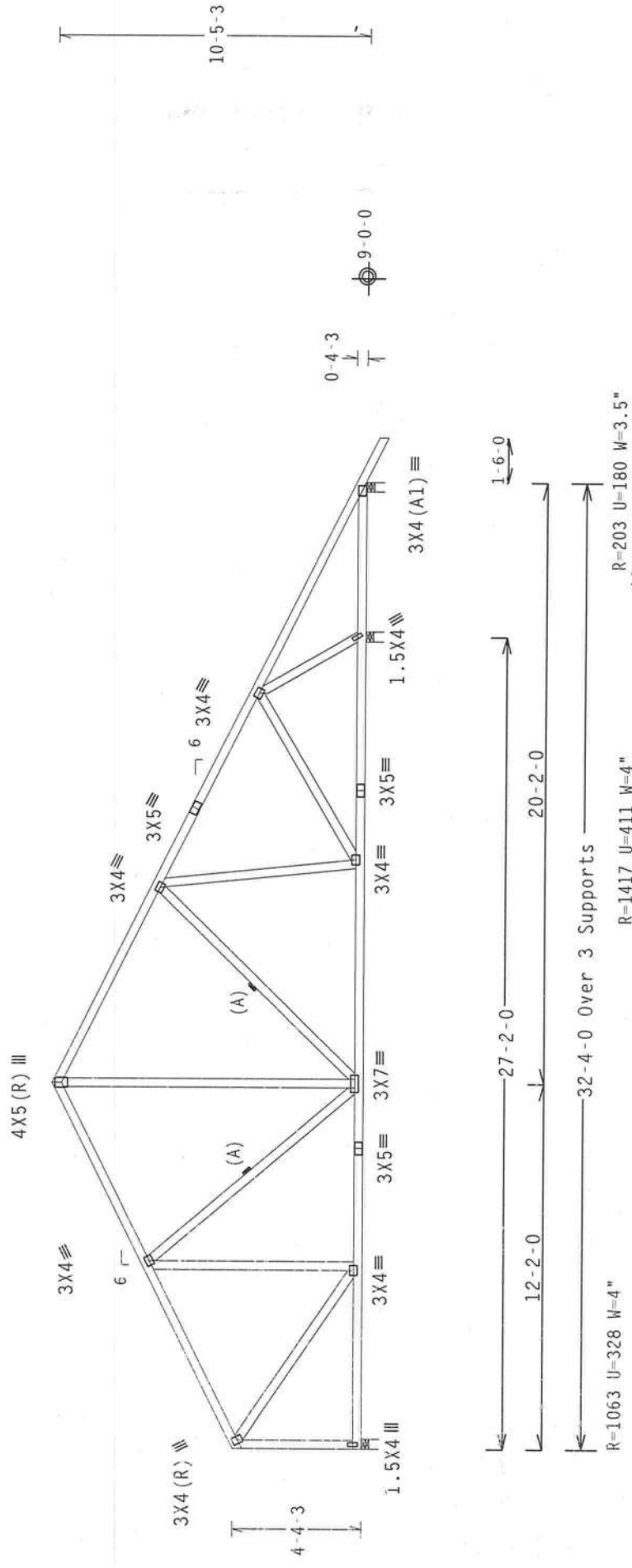
Haines City, FL 33844
1950 Marley Drive
FL Certificate of Authorization # 567

110 mph wind, 14.01 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.

Left end vertical not exposed to wind pressure.

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

(A) Continuous lateral bracing equally spaced on member.



PLT TYP: Wave TPI

Design Crit: TPI-1995 (STD) / FRC

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

Scale = .1875"/Ft.

****WARNING**** TROUSERS REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. PREFER TO BEST 1103 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TPOISS PAPER INSTITUTE, 5001 D'UNFOIRTE DR., SUITE 200, MADISON, WI 53719) AND VICA (4000 TRUSS COUNCIL OF AMERICA, 5200 ENTERPRISE LANE, MADISON, WI 53719). TOP SAFETY PRACTICES BEFORE PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, THE CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

***IMPORTANT:** *SHRUBH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERING PRODUCTS, INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR OF FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, CONNECTOR PLATES AND JOINTS, PROVISIONS OF THIS NATIONAL DESIGN SPEC. BY AFPA) AND ALPINE ENGINEERING PRODUCTS, INC. SHALL BE THE SOLE RESPONSIBILITY OF THE USER. ALL TRUSS AND CONNECTOR PLATES WERE MADE TO TPI SPECIFICATIONS. THE TRUSSES WERE DESIGNED TO SUPPORT DEAD LOADS OF 70 PSF PER SQUARE FOOT. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. AN INSPECTION OF PLATES FOLLOWED BY (1.) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. NO NAMING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT INCLUDING DESIGNER. PER ANSI/TPI SECT. 2.



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TC LL	20.0 PSF	REF	R487 - -	1996
TC DL	10.0 PSF	DATE	08/05/05	
BC DL	10.0 PSF	DRW	HCUSR487	05217012
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	151221	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SPD487	Z01

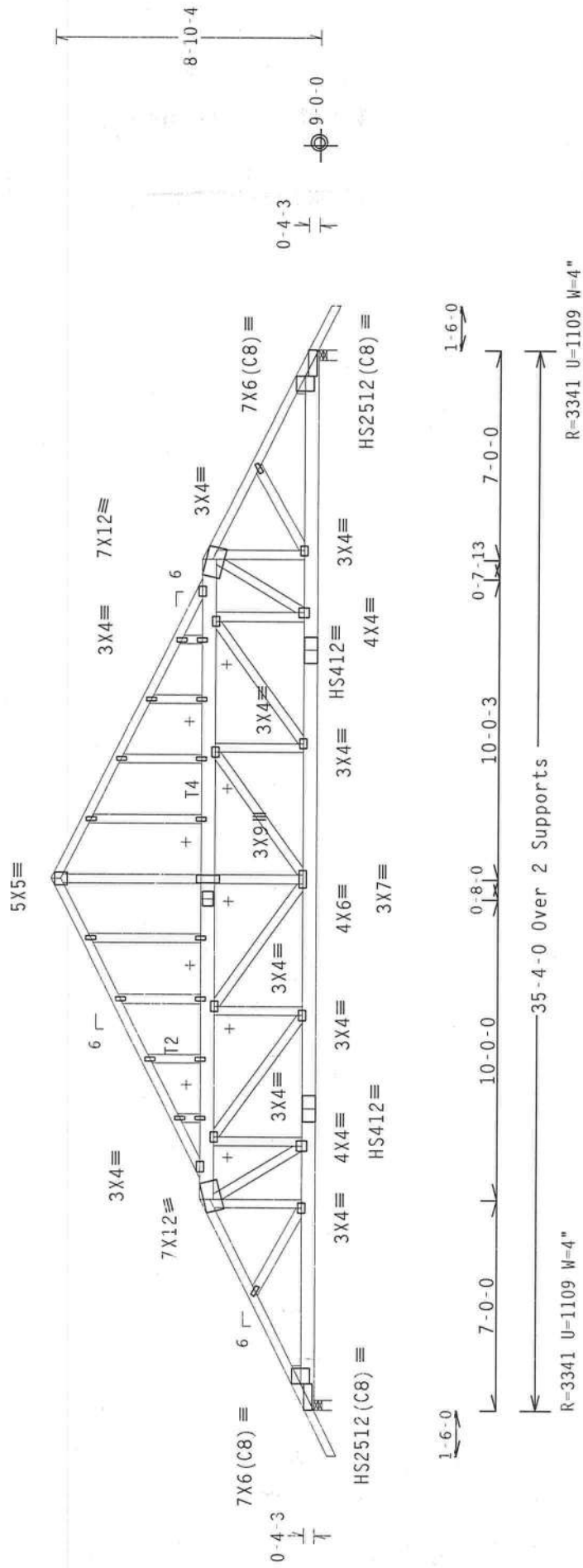
Top chord 2x4 SP #2 Dense :T2, T4 2x6 SP #1 Dense:
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3
:Lt Wedge 2x4 SP #3::Rt Wedge 2x4 SP #3:

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

Boston hip supports 7-0-0 jacks to BC. TC supports 1-0-0 overhang.

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

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



Note: All Plates Are 1.5X4 Except As Shown.

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

Scale = .1875" / Ft.

RFF R487-- 1997

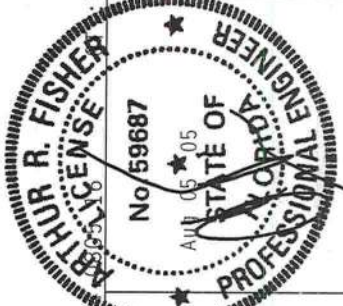
DATE 08/05/05

DATE RECEIVED _____

DRW HCDSR48/ 0521/013

HC-ENG JB/AF

SEQN - 151264



ALPINE

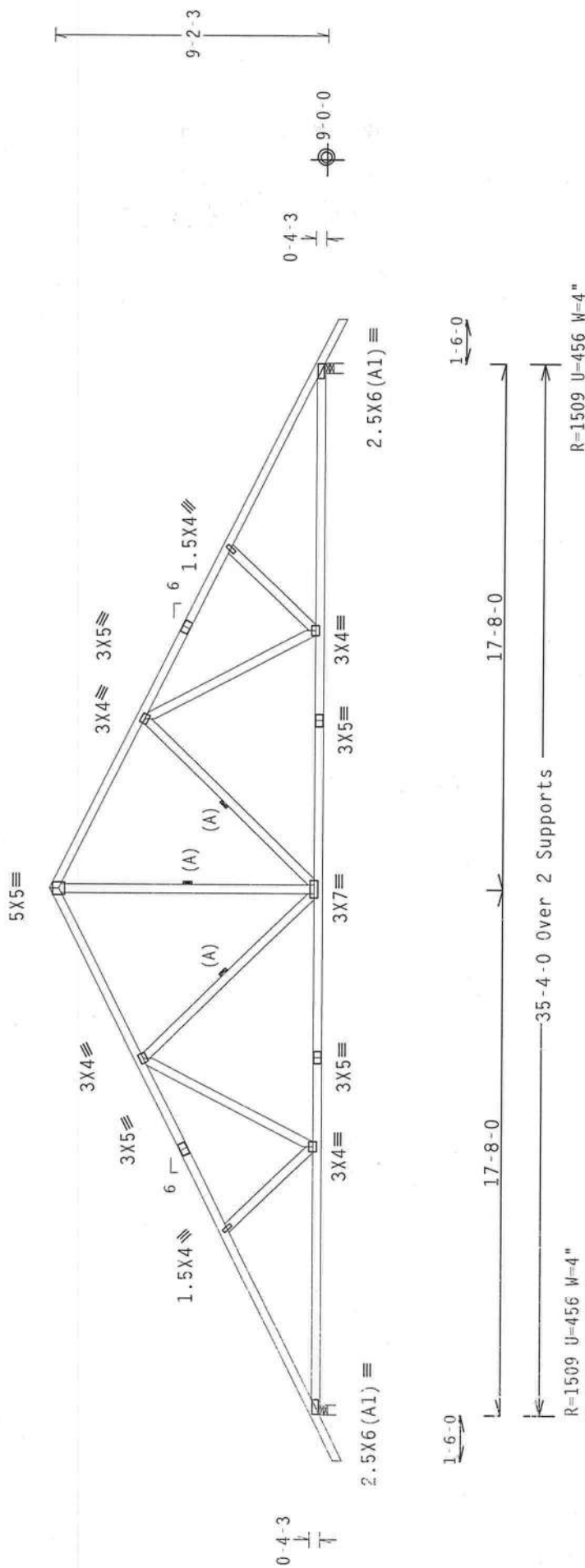
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

FL Certificate of Authorization # 567

Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	
1	1	1	1	1	1
2	2	2	2	2	2
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69	69	69	69	69	69
70	70	70	70	70	70
71	71	71	71	71	71
72	72	72	72	72	72
73	73	73			

(A) Continuous lateral bracing equally spaced on member.

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



PLT TYP. Wave TPI

Design Crit: rPI-1995(STD)/FBC

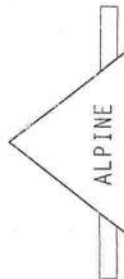
7.03

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

Scale = .1875" / Ft.

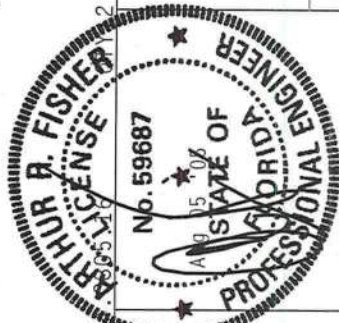
WARNING: THOUSSES REQUIRE EXTREME CARE IN INFORMATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ANGRILO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, 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. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH 1P1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & WRAPPING OF TRUSSES, OR CONNECTOR PLATES ARE MADE OF 2016/2017 ALUMINUM 4090/60 (BY A/MA) AND TPI1. ALPINE TRUSS CONNECTOR PLATES ARE MADE OF 2016/2017 ALUMINUM 4090/60 (BY A/MA) AND TPI1. APPLY PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE NOTED, 100% OF THE TRUSS PERMANENTLY LOAD-2. IF ANY INSPECTION OF PLATES FOLLOWED BY 1) SHALL BE PER ANNEX A3 OF TPI1-2008, 2) 100% PER MANUFACTURING LOAD-2. PREPARING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS CONSTRUCTION DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX 1P1 1 SEC. 2.



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

FL Certificate of Authorization # 567

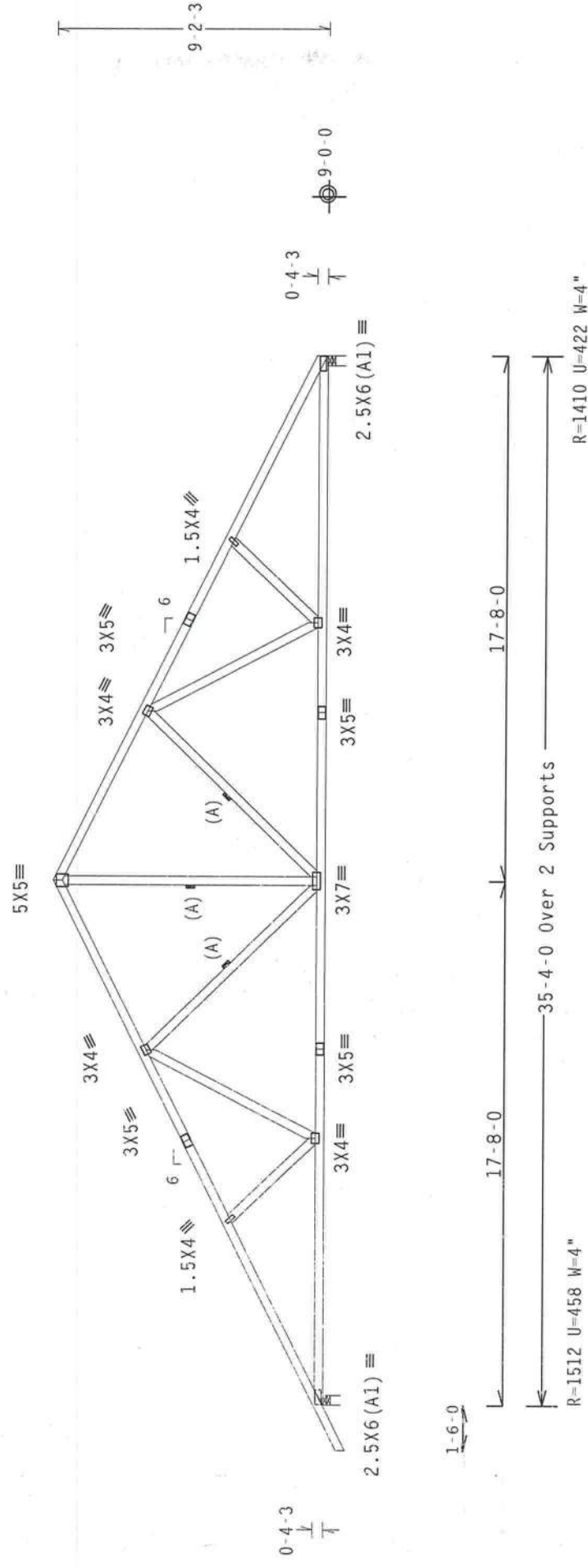


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TC DL	10.0	PSF	DATE	08/05/05	
BC DL	10.0	PSF	DRW	HCUSR487	05217001
BC LL	0.0	PSF	HC-ENG	JB/AF	*
TOT.LD.	40.0	PSF	SEQN-	151190	
DUR.FAC.	1.25				
SPACING	24.0"		REF-	1SPD487	Z01

110 mph wind, 13.39 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.

(A) Continuous lateral bracing equally spaced on member.

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



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7

El 1-131-1-181-

Scale = .1875" / Ft.

*WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND IMPACTING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 5801 O'HOVOSH DR., SUITE 200, MADISON, WI 53719, AND NEMA (NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION), 1100 17TH ST., SUITE 400, WASHINGTON, DC 20036, FOR TRUSS CONNECTIONS. TRUSS CONNECTIONS OF AMERICA, 6300 ENTERPRISE BLVD., O'HOVOSH, WI 53719, FOR SAFETY PRACTICES PRIOR TO VIFORMING THESE JOINTS. 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, AND THE ENGINEER'S PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH THIS DESIGN, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES IN CONFORMANCE WITH THIS DESIGN, OR PROVIDING OF ANY NATIONAL DESIGN SPEC., BY A.R.P.A.S. AND ALPINE CONSTRUCTION COMPANIES, SHALL BE MADE VOID. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER CONNECTION OF TRUSSES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE SPECIFIED ON THIS DESIGN, POSITION PER DRAWING 1606-A. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AISC A3 OF 1911-2002 SEC.3. ANY INSPECTION INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI-SEC. 2.



TC LL	20.0	PSF	REF	R487 - -	1999
TC DL	10.0	PSF	DATE	08/05/05	
BC DL	10.0	PSF	DRW	HCUSR487	05217002
BC LL	0.0	PSF	HC-ENG	JB/AF	*
TOT.LD.	40.0	PSF	SEQN-	151185	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1SPD487	Z01

(5-348-HAROLD FRANKEL - BS)

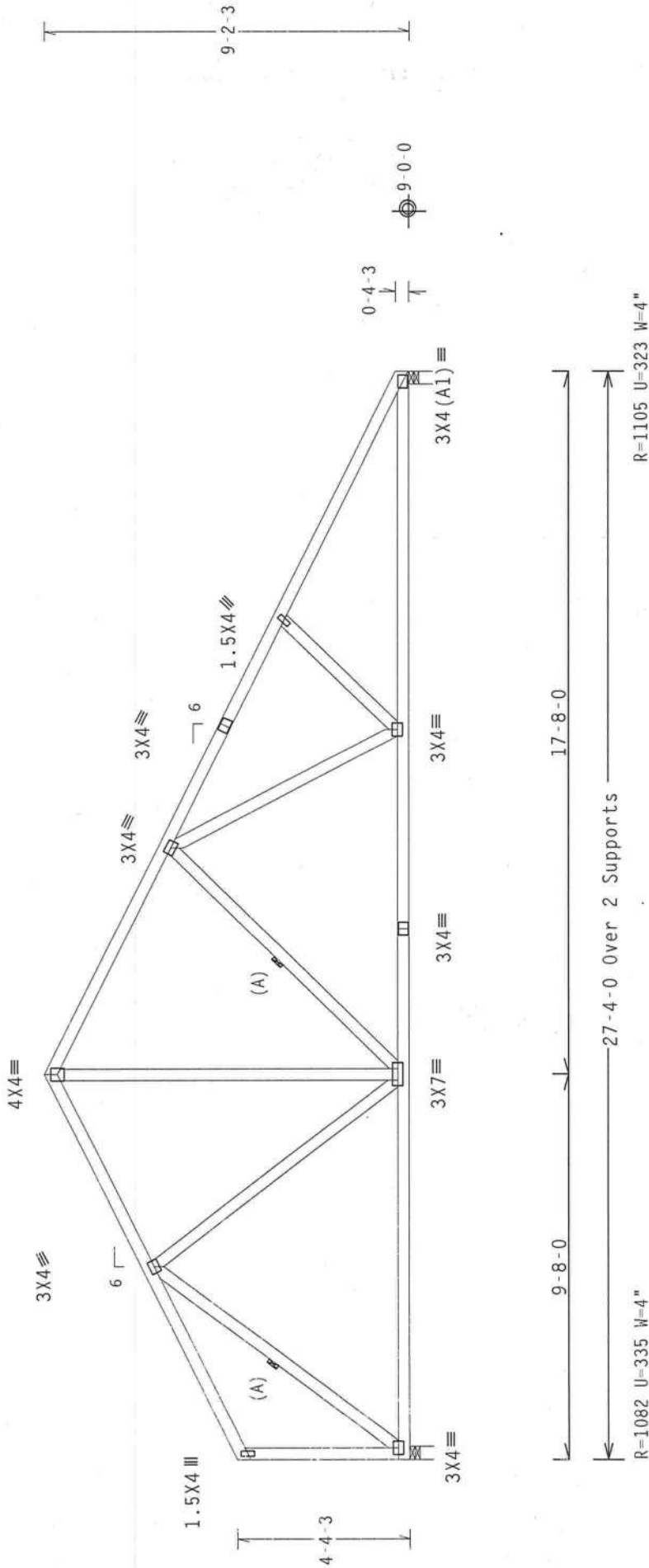
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 13.76 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.

Left end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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



R=1082 U=335 W=4"

R=1105 U=323 W=4"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.0

FL/-/3/-/R/-

Scale = .25" / Ft.

****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, 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 PROPER INSTALLATION OF THE TRUSS. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE DESIGNER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSS. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE DESIGNER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSS. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.



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Haines City, FL 33844
FL Certificate of Authorization # 567



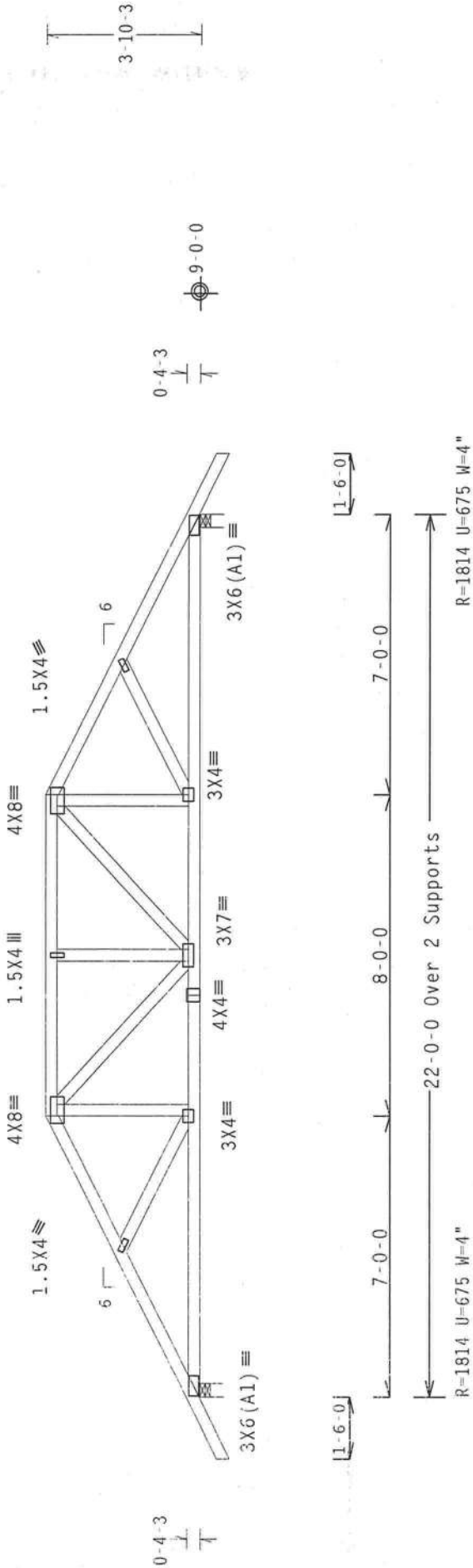
TC LL	20.0 PSF	REF	R487 -- 2000
TC DL	10.0 PSF	DATE	08/05/05
BC DL	10.0 PSF	DRW	HCUSR487 05217003
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN	151197
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1SPD487_Z01

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.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

Scale = .25"/Ft.

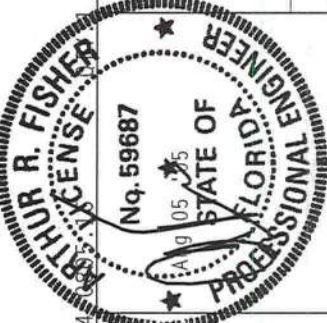
ALPINE

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

FL Certificate of Authorization # 567

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D-ORRADIO DR., SUITE 200, MADISON, WI 53719) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, WILSONVILLE, OR 97150) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (4-H/5/8) ASTM A653 GRADE 40/60 (4, K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	FL / - / 3 / - / - / R / -	REF	R487 --	2001
TC DL	10.0 PSF		DATE	08/05/05	
BC DL	10.0 PSF		DRW	HCUSR487	05217014
BC LL	0.0 PSF		HC-ENG	JB/AF	
TOT.LD.	40.0 PSF		SEQN	151155	
DUR.FAC.	1.25				
SPACING	24.0"		JREF	1SPD487_Z01	

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d_Common_(0.148"x3",_min.)_nails)

Top Chord: 1 Row @12.00" o.c.

Chord: 1 Row

BOL Chord: I Row @ 9:00 0.0

Webs : 1 Row @ 4" O.C.
 Use equal spacing between rows and stagger nails
 in each row to avoid splitting.

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

SPECIAL LOADS

SPECIAL LOADS
----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

TC - From 60 PLF at 0.00 to 60 PLF at 23.50

PLF	From	To	PLF	From	To
20	PLF at	0.00	to	20	PLF at 22.00

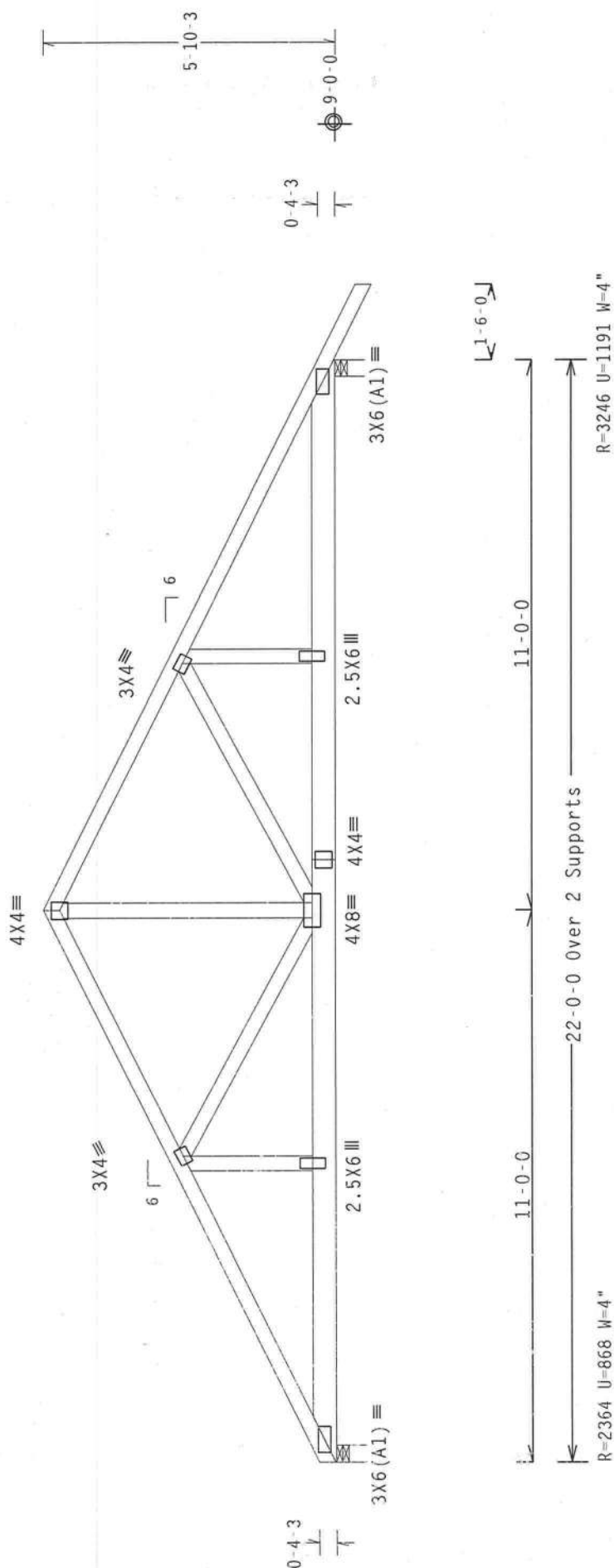
From	4 PLF at 22.00 to	4 PLF at 23.50
3C		

	LB Conc.	Load at 11.12
BC -	1427	11.12

	508 LB Conc.	Load at 12.94
BC -	1,036 lb conc.	1,036 lb + 14.04

33C - 1819 LB Conc. Load at 14.94

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



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

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

Scale = .3125"/Ft.

TC LL	20.0	PSF	REF	R487--	2002
TC DL	10.0	PSF	DATE	08/05/05	
BC DL	10.0	PSF	DRW	HCUSR487	05217015
BC LL	0.0	PSF	HC-ENG	JB/AF	
TOT.LD.	40.0	PSF	SEQN-	151350	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1SPD487_Z01	

A circular professional engineer seal for the State of Florida. The outer ring contains the text "FLORIDA" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside the ring, the text "STATE OF" is at the top and "No. 59687" is on the left. In the center, the date "AUG 05 2005" is stamped, with a star above it. A large, stylized signature is written across the seal.

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (OUTLINED COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 983 UNIVERSITY DRIVE, SUITE 200, MADISON, WI 53719) AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 530 NORTH DEARBORN STREET, SUITE 200, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED 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 SPECIFICATIONS FOR FABRICATING/HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES OR CONNECTIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIAA) AND TPI ALPINE CONNECTION PLATES ARE MADE OF 2018/1766A (M-H/S/PS) ASTM A565 GRADE 40/60 (M, K/H/S) GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE SPECIFIED IN THIS DESIGN, POSITION PER DRAWINGS 160A-72-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AIAA 3.3 OF TPI-2002 SEC.3. A SEAL ON THE BRACING DESIGN SHOWS THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AIAA/TPI 1 SEC. 2.



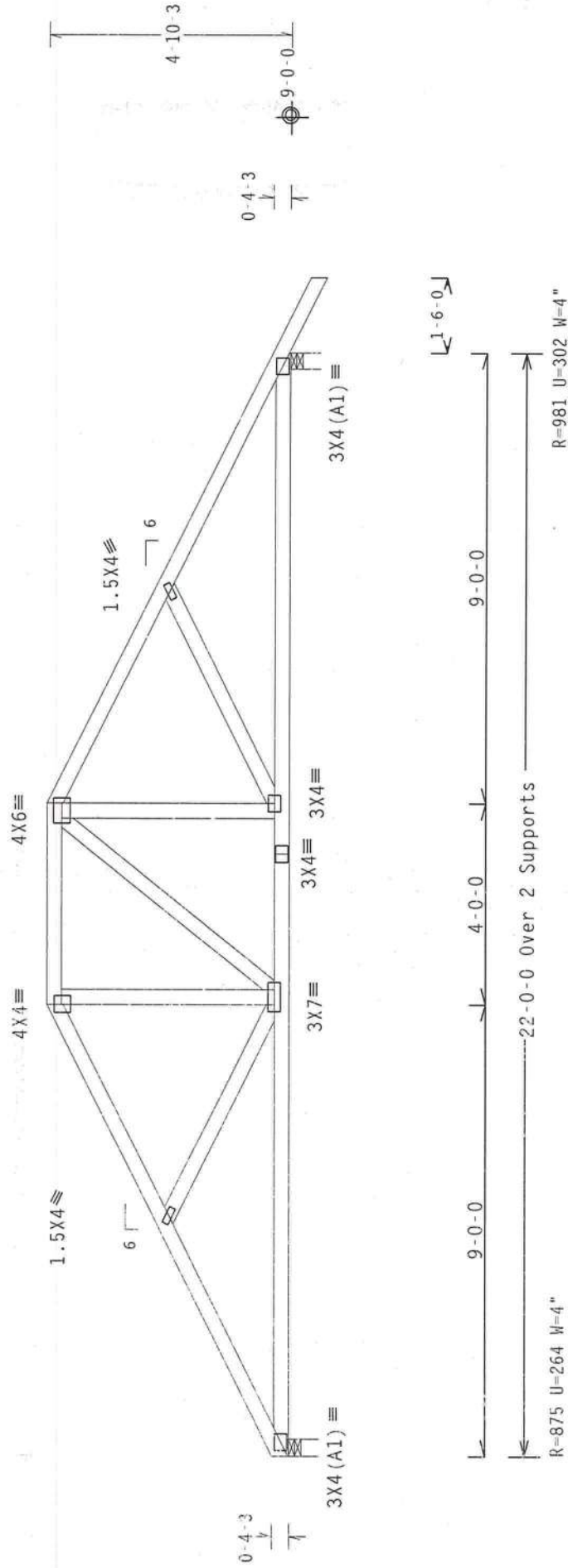
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
Fl. Certificate of Authorization # 567

(5-348-HAROLD FRANKEL - H9C)

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

110 mph wind, 11.22 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.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.0

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

Scale = .3125"/Ft.



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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/10GA (W/H/S/G) ASH 4053 GRADE 40/60 (W, K/H/S) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY SHIPMENT. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100. DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISI/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"

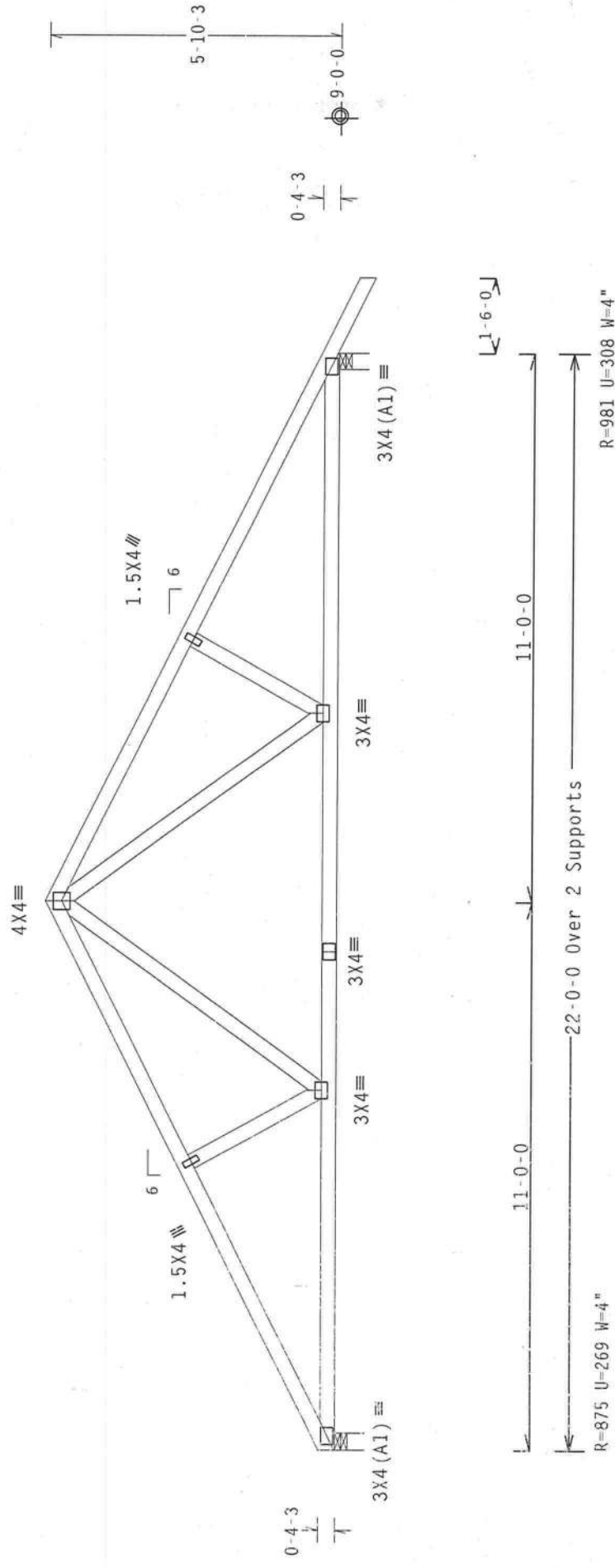
REF	R487--	2003
DATE	08/05/05	
DRW	HCUSR487-05217004	
HC-ENG	JB/AF	*
SEON-	151161	
JREF-	1SPD487_Z01	



Alpine Engineered Products, Inc.
1980 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

110 mph wind, 11.72 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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



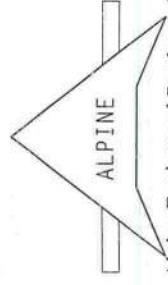
PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FRC

7.045

E11-131-1-101-

Scale = .3125"/Ft.

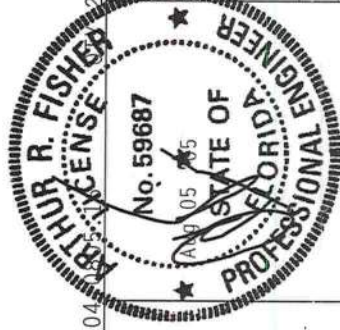


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[illegible]

**** IMPORTANT *****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE DESIGN CONFORMS WITH APPLICABLE PROVIDING SPEC. BY AFAPA AND TPI. ALPINE CORRELATOR PLATES ARE MADE OF 20/18/16GA 4X1/2X5/8 ASPH 4653 BROWN. APPLY PLATES TO EACH FACE OF THUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX 43 OF TPI-2002 SEC.3. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

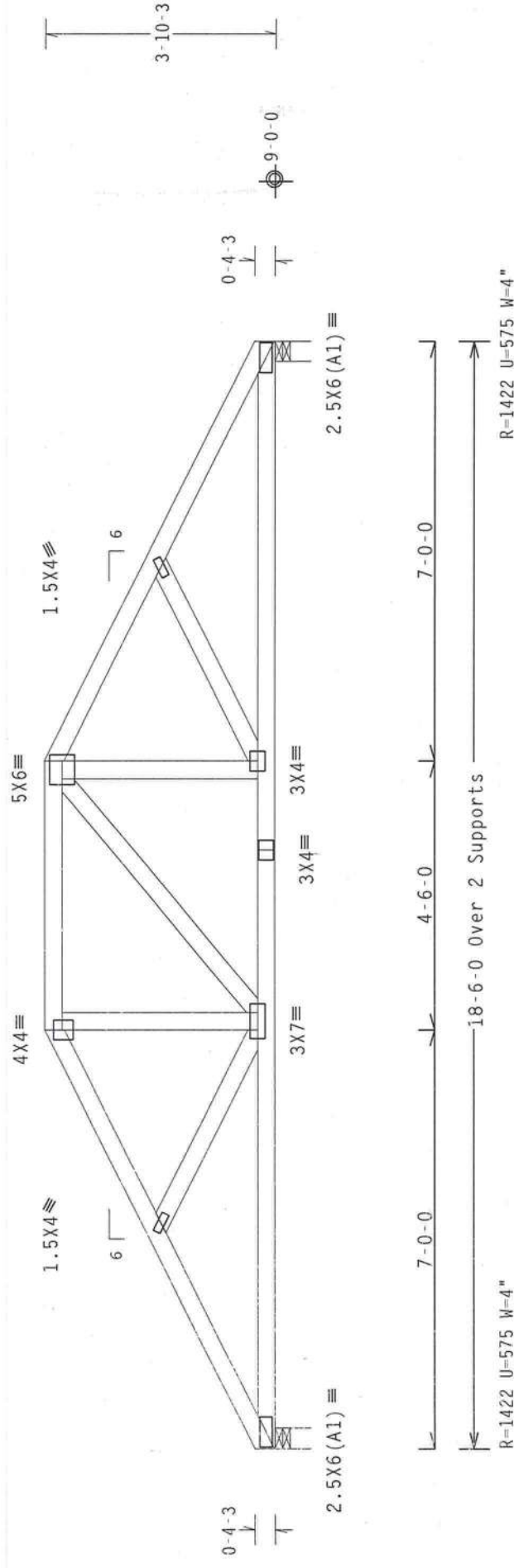


TC LL	20.0	PSF	REF	R487--	2004
TC DL	10.0	PSF	DATE	08/05/05	
BC DL	10.0	PSF	DRW	HCUSR487	05217005
BC LL	0.0	PSF	HC-ENG	JB/AF	*
TOT.LD.	40.0	PSF	SEQN-	151168	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1SPD487	Z01

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.

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

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



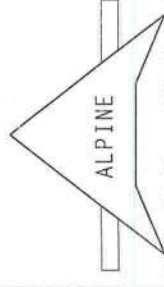
PLT TYP. Wave TPI

Design Crit: TPI-1995 (STD) / FBC

7.04

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

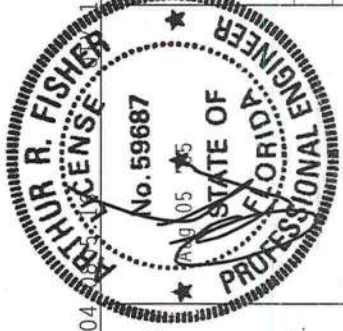
Scale = .375"/Ft.



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
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****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BESS 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 P. O'NORIO 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.

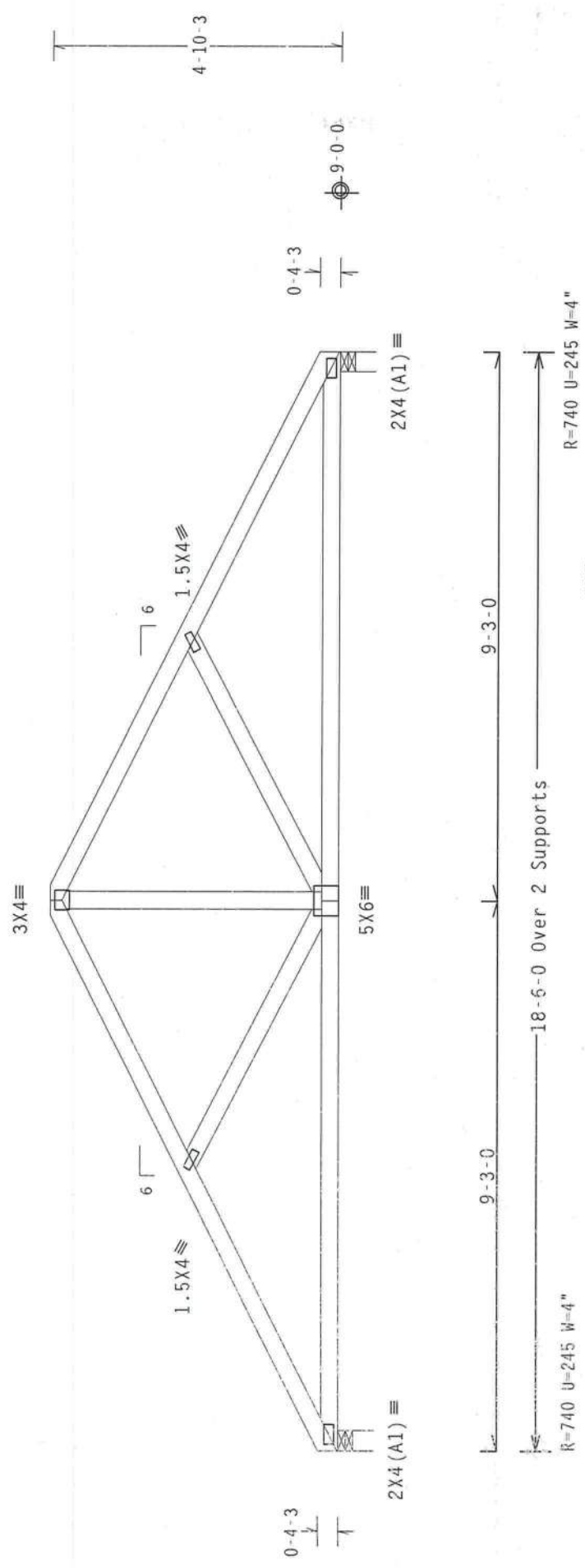
* * * IMPORTANT: * * * FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS & PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAILATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP11 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIAA) AND TP11. ALPINE CONNECTOR PLATES ARE MADE OF 2014/16GA. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. PLATES TO EACH FACE OF TRUSS AND, WITHOUT OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER ANNEX 1/TP11 SEC. 2.



TC LL	20.0 PSF	REF	R487 --	2005
TC DL	10.0 PSF	DATE	08/05/05	
BC DL	10.0 PSF	DRW	HCUSR487	05217016
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	151138	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SPD487_Z01	

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.



PLT_TYP: Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

Scale = .375" / Ft.

ALPINE

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1950 Marley Drive
Haines City, FL 33844

FL Certificate of Authorization # 567

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****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RC61 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 O'DONOHUE DR., SUITE 200, MADISON, MI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO ASSEMBLING 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.

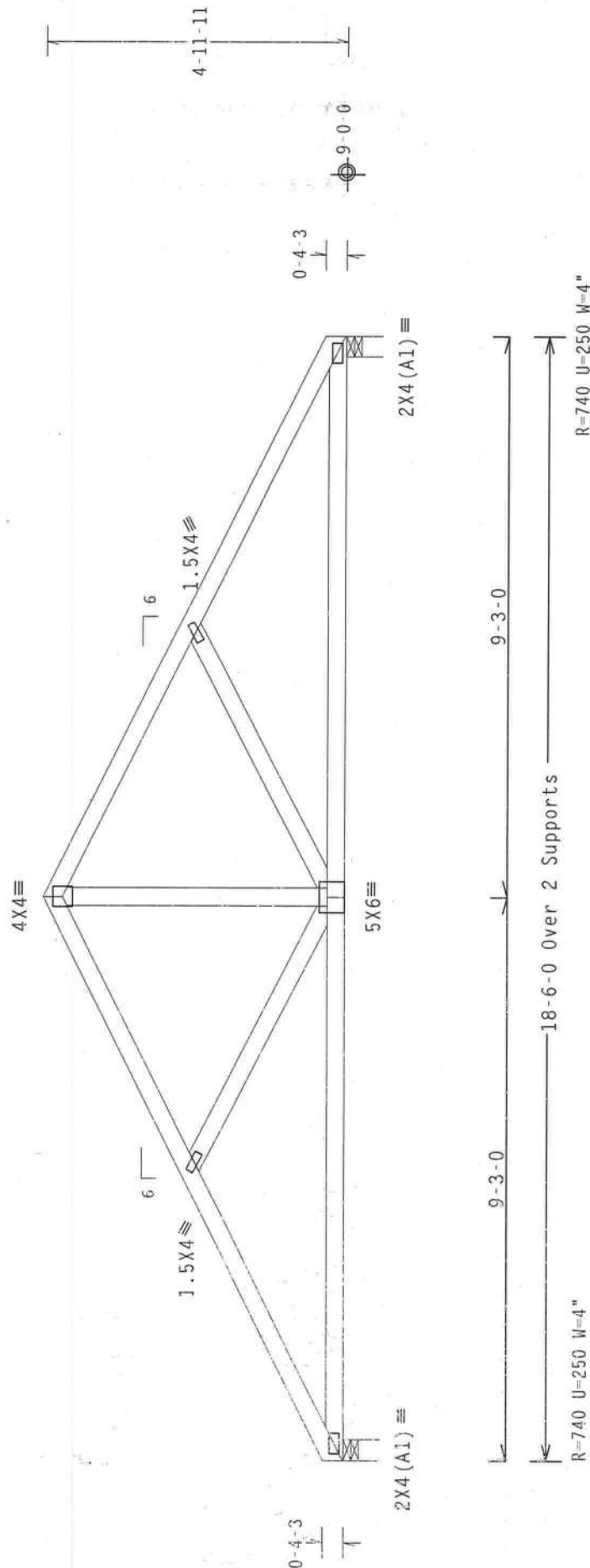
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W./H./T) ASTM A565 GRADE 40/60 (H. K./H.-S) GALV. STEEL. 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 AMEAS 43 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE 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 - -	2006
TC DL	10.0	PSF	DATE	08/05/05	
BC DL	10.0	PSF	DRW	HCUSR487	05217006
BC LL	0.0	PSF	HC-ENG	JB/AF	*
TOT.LD.	40.0	PSF	SEQN-	151144	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1SPD487_Z01	

110 mph wind, 11.66 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.



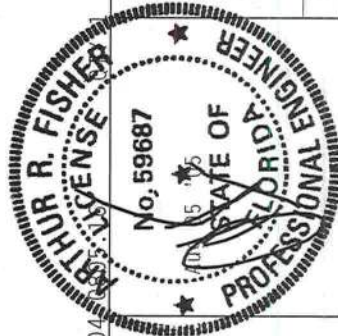
PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

Scale = .375"/Ft.

TC LL	20.0	PSF	REF	R487 --	2007
TC DL	10.0	PSF	DATE	08/05/05	
BC DL	10.0	PSF	DRW	HCUSR487	05217007
BC LL	0.0	PSF	HC-ENG	JB/AF	*
TOT.LD.	40.0	PSF	SEQN-	151149	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1SPD487	Z01



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFLECTOR BESS' TRUSS BUILDING COMPANY, INC., PUBLISHED BY THE TRUSS PANEL INSTITUTE, 383 S. GOLFHEIM DR., SUITE 200, MADISON, WI 53719, AND VIDEO, 1000 N. GOLFHEIM DR., SUITE 200, MADISON, WI 53719. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID GIRDING.

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

* * * PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, IN CONFORMANCE WITH TP-10-2010, SHALL BE THE RESPONSIBILITY OF THE TRUSS COMPONENT MANUFACTURER. THE TRUSS COMPONENT MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENT DESIGN, SHOWN HEREIN, AND THE STABILITY AND DESIGN OF THIS COMPONENT FOR ANY BUILDING OR ANY BUILDING TO THE FEASIBILITY OF THE INCLUDING DESIGNER PER AISC/TPI-1, 1ST EDITION, 2001.



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

FL Certificate of Authorization # 567

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

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.

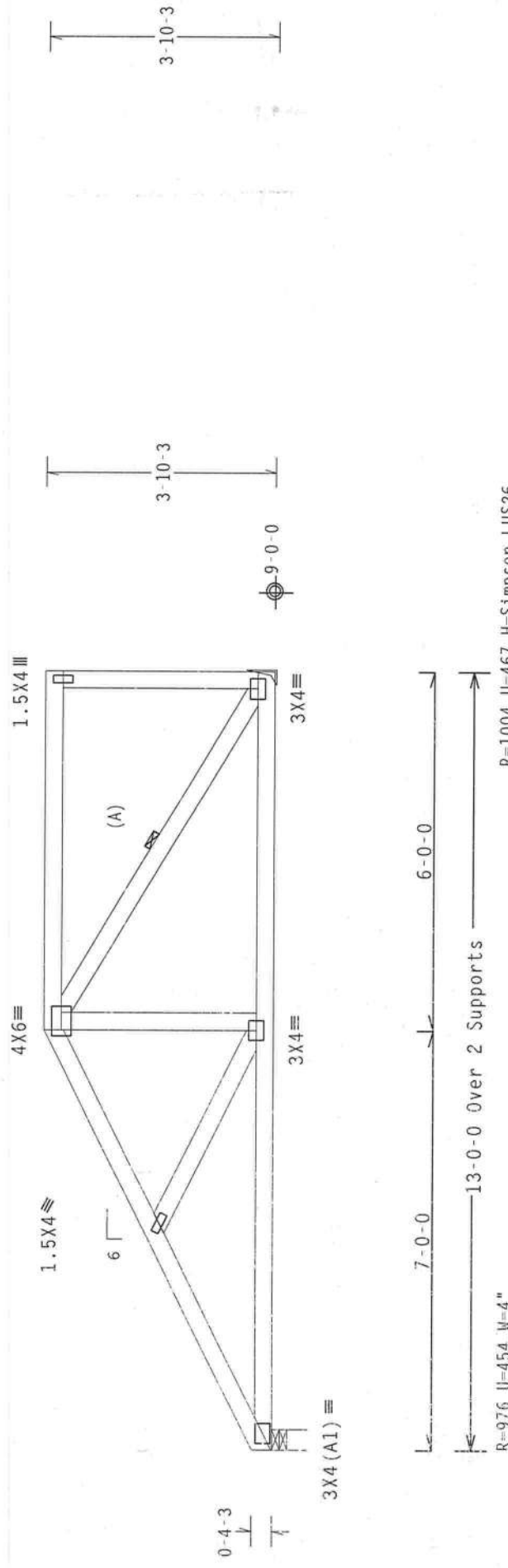
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

#1 hip supports 7-0-0 jacks at left end and 6-0-0 jacks at right end. Jacks have no webs.

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



R=1004 U=467 H=Simpson LUS26
w/ (4) 10d Common Nails 3.0" nails in Truss
w/ (4) 10d Common Nails 3.0" nails in Girder

PLT TYP: Wave TPI

Design Crit: TPI-1995(STD)/FBC

Scale = .375" / Ft.

[illegible]

(5-348-HAROLD FRANKEL - H9E)

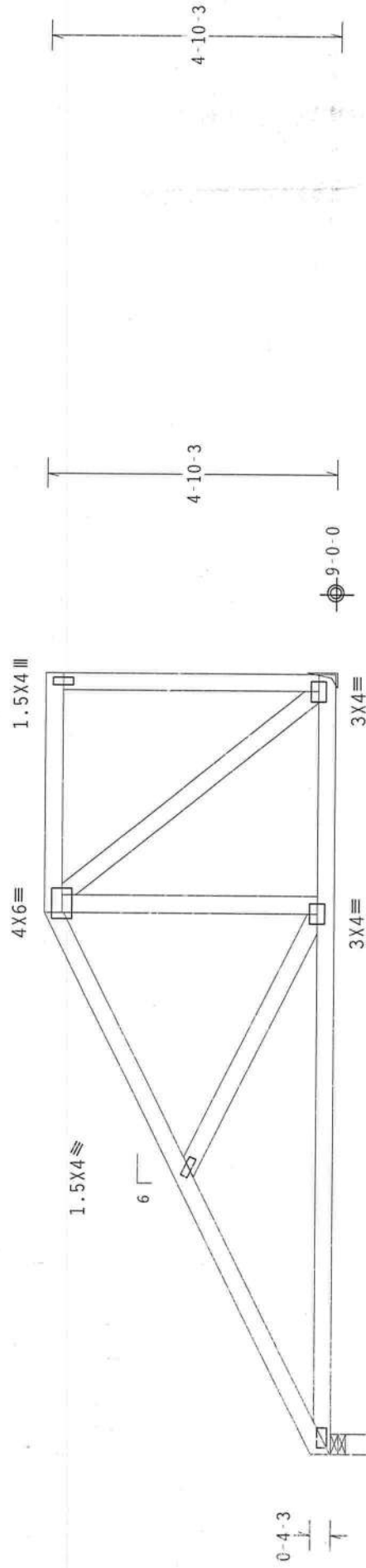
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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 8, wind TC DL=2.8 psf, wind
BC DL=2.2 psf.

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

Right end vertical not exposed to wind pressure.

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



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R487--	2009
TC DL	10.0 PSF	DATE	08/05/05	
BC DL	10.0 PSF	DRW	HCUSR487	05217018
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	151133	
DUR..FAC.	1.25			
SPACING	24.0"	JREF-	1SPD487_Z01	



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

ALPINE

PROFESSIONAL ENGINEER
No. 59687
05/05
STATE OF FLORIDA

IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI-1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. REFER TO BCSE 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE 509 D'ONDRIQ DR., SUITE 200, MADISON, WI 53719) AND NICA (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 CEILING.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE 509 D'ONDRIQ DR., SUITE 200, MADISON, WI 53719) AND NICA (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 CEILING.

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(5-348-HAROLD FRANKEL - EG)

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

SPECIAL LOADS

-----LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at 0.00 to 60 PLF at 13.00
BC - From 20 PLF at 0.00 to 20 PLF at 13.00
BC - 1399 LB Conc. Load at 1.40, 3.40
BC - 179 LB Conc. Load at 5.40, 7.40, 9.40, 11.40
BC - 404 LB Conc. Load at 12.60

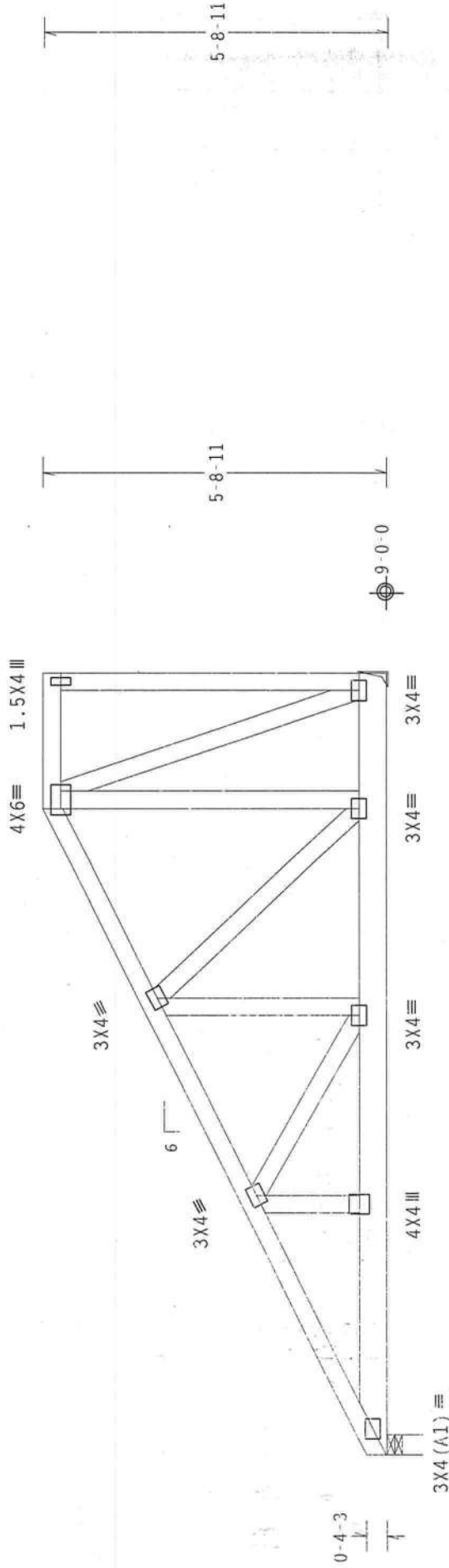
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d Common (0.148"x3",_min.)_nails)
Top Chord: 1 Row @12.00" O.C.
Bot Chord: 1 Row @ 5.25" O.C.
Webs : 1 Row @ 4" O.C.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 15.00 ft mean htg, 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.
Deflection meets L/360 live and L/240 total load.



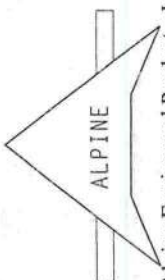
R-3138 U=1464 W=4"

R-1819 U=849 H=Simpson HHUS26-2
w/ (6) 10d Common 0.148"x3.0" nails in Truss
w/ (14) 10d Common 0.148"x3.0" nails in Girder

PLT TYP. Wave TPI

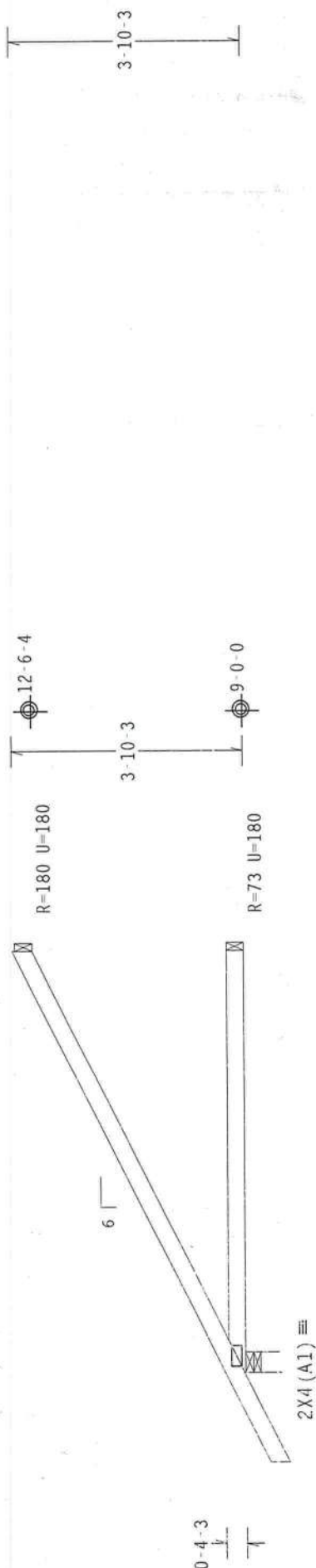
Design Crit: TPI-1995(STD)/FBC

Scale = .375" / Ft.

 Alpine Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844 FL Certificate of Authorization # 567	PLT TYP. Wave TPI		Design Crit: TPI-1995(STD)/FBC		Scale = .375" / Ft.			
	R-3138 U=1464 W=4"		R-1819 U=849 H=Simpson HHUS26-2 w/ (6) 10d Common 0.148"x3.0" nails in Truss w/ (14) 10d Common 0.148"x3.0" nails in Girder		No. 59687 DATE OF EXPIRATION AUG 05 2005 STATE OF FLORIDA PROFESSIONAL ENGINEER			
	10-9-0		13-0-0 Over 2 Supports		TC LL 20.0 PSF			
	2-3-0		5-8-11		TC DL 10.0 PSF			
	3X4 (A1) =		4X6 = 1.5X4 III		BC DL 10.0 PSF			
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING & BRACING. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (4-H/5/7/8) ASTM A653 GRADE 40/60 (4, 8/14-5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS INSPECTION REPORT SHALL BE OBTAINED FROM THE SIGNATURE OF THE DESIGNER. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.			BC LL 0.0 PSF		DRW HCUSR487 05217019			
			4X4 III		HC-ENG JB/AF			
			3X4 =		SEQN - 151314			
			3X4 =		DUR.FAC. 1.25			
			3X4 =		SPACING 24.0"			
			3X4 =		JREF - 1SPD487_Z01			

1110 mph wind, 10.72 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=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.



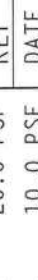
7-6-07

← 7-0-0 Over 3 Supports →
R=403 U=180 W=4"

PLT TYP. Wave TPI

Design Crit: TPI-1995 (STD)/FBC

Scale = .375"/Ft.



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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING A 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 (24-H/18X) ASTM A653 GRADE 40/60 (24 H/18S) GALV. STEEL. APPLY 2Z PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS T001-2Z.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3.4.5. (2) SHALL BE PER TPI-2002 SEC.3.4.5. (3) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3.4.5. (4) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3.4.5. (5) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3.4.5.

WRITING NOTICES 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.



CF. Certificate of Authorization # S67

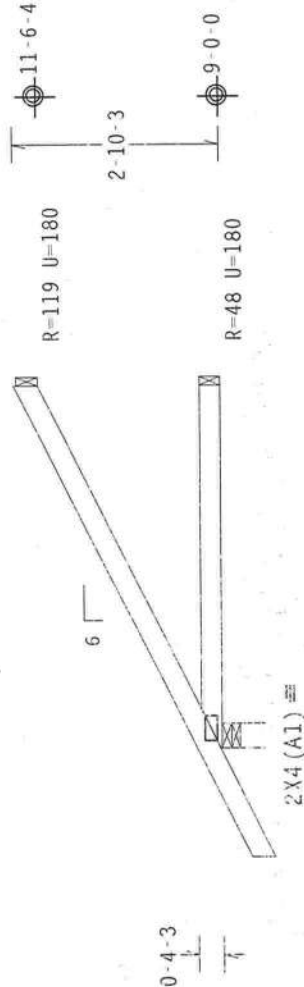
(5-348-HAROLD FRANKEL - GJ5)

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

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

110 mph wind, 10.22 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=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.



1-6-0

5-0-0 Over 3 Supports
R=330 U=180 W=4"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.0.

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

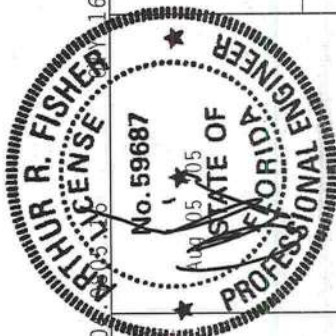
Scale = .375"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 VANDERBILT 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 FABRICATOR, INSTALLER OR BRACER OF TRUSSES IN CONFORMANCE WITH TPI PROVISIONS OF THE NATIONAL DESIGN SPEC. BY AFPA) AND TPI. ALPINE ENGINEERED PRODUCTS, INC. DESIGNER OF THIS TRUSS. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE INDICATED. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE INDICATED. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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



TC LL	20.0 PSF	REF	R487--	2012
TC DL	10.0 PSF	DATE	08/05/05	
BC DL	10.0 PSF	DRW	HCUSR487 05217021	
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	151083	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SPD487_Z01	

(5-348-HAROLD FRANKEL - HJ7)

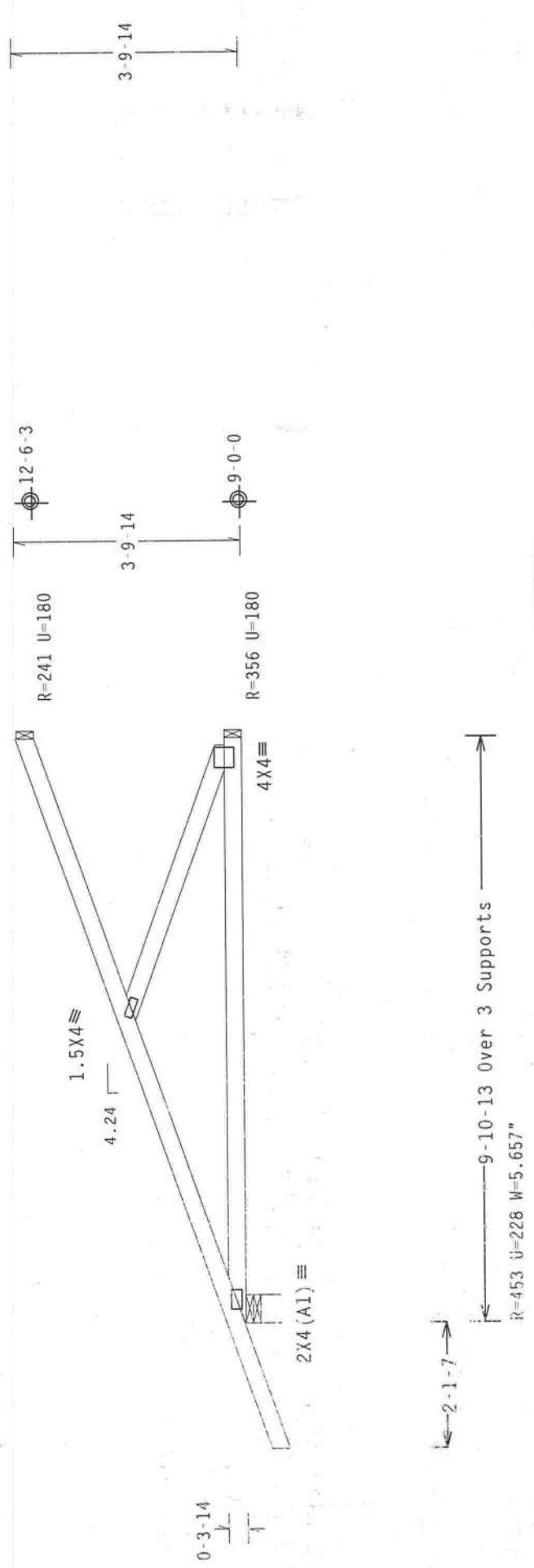
Top	chord	2x4	SP	#2	Dense
3ot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	

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

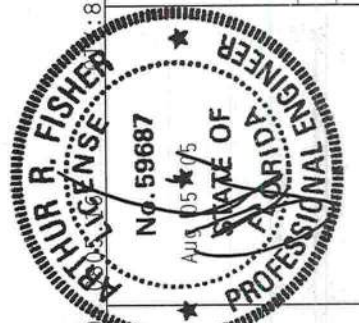
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (3) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

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.



← 9-10-13 Over 3 Supports
R=453 U=228 W=5.657"



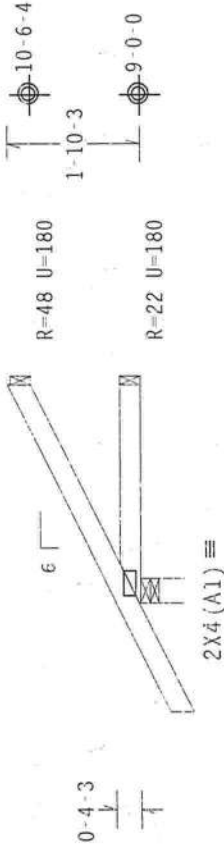
PLT TYP. Wave TPI	Design Crit: TPI-1995(STD)/FBC	7.0		FL/-3/-R/-	Scale = .375"/ft.
	*WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCSEI 1-03 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY TPI (TRUSS PLATE INSTITUTION) 950 MARLEY DRIVE SUITE 200, HADISON, NJ 07731; FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND JOINTS MUST BE A PROPERLY ATTACHED RIGID CEILING.			TC LL 20.0 PSF TC DL 10.0 PSF BC DL 10.0 PSF	REF R487 -- 2013 DATE 08/05/05 DRW HCUSR487 05217022
	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. IF FAILURE TO BUILD OR TRUSS IS CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF THESSE. APPLY DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY NDS), TYPE STEEL, APPLY CONNECTOR PLATES ARE MADE OF 20/10/10GIA (.015/.15/.15) ASTM A505 GRADE II STEEL, POSITION PER DRAWINGS 160A-2, PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE INDICATED, ALL CHORD SHALL BE A SEAL ON THIS. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE THE RESPONSIBILITY OF THE TRUSS COMPONENT MANUFACTURER AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.			BC LL 0.0 PSF TOT.LD. 40.0 PSF DUR.FAC. 1.25 SPACING 24.0"	HC-ENG JB/AF SEQN - 151100 JREF- 1SPD487_Z01

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

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

110 mph wind, 9.72 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.



1-6-0
3-0-0 Over 3 Supports
R=266 U=180 W=4"

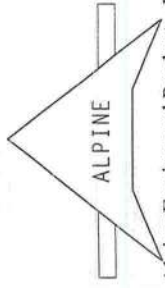
PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

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

Scale = .375"/Ft.



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

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****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 IBCS (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (A-N/S/P) 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 TPI-2002, SECC. 3. FOR THE TOP CHORD, THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS. THE BUILDING DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS. THE BUILDING DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS. THE BUILDING DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS.



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 -- 2014
DATE	08/05/05
DRW	HCUSR487 05217023
HC-ENG	JB/AF
SEQN	151088
JREF	1SPD487_Z01

(5-348-HAROLD FRANKEL - HJ3)

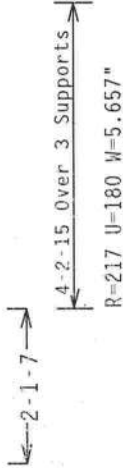
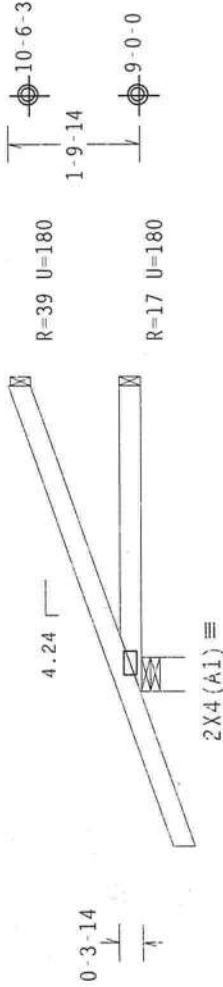
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

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.

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.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

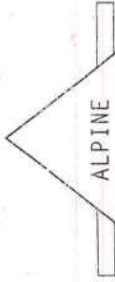
7.0

FL/-3/-/-R/-

Scale = .375"/Ft.

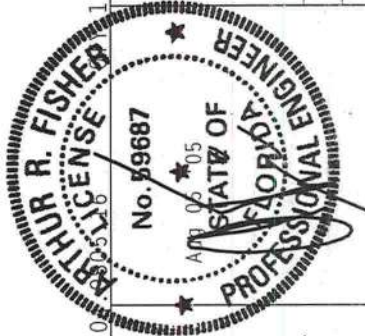
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. PERFORM TO RCES 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFIO DR., SUITE 200, MADISON, WI 53719), AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED PLIGIC CEILING.

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

FL Certificate of Authorization # 567



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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 -- 2017
DATE 08/05/05
DRW HCUSR487 05217026
HC-ENG JB/AF
SEQN- 151104
JREF- 1SPD487_Z01

(5-348-HAROLD FRANKEL - M)

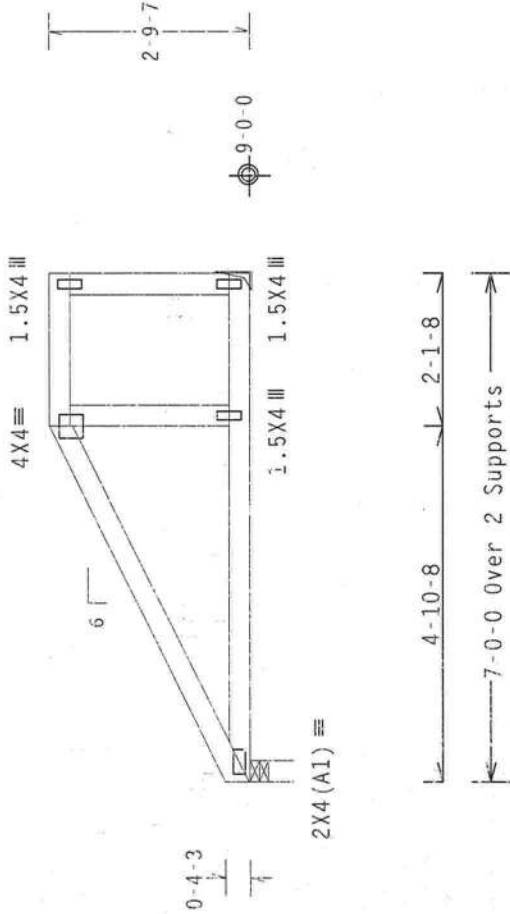
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

110 mph wind, 10.57 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.

Right end vertical not exposed to wind pressure.

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



R=268 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2x4 min. So.Pine

PLT TYP. Wave TPI

Design Crit: TPI-1995 (STD)/FBC

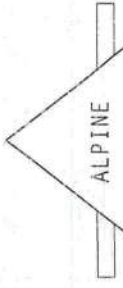
7.0

FL/-3/-/-R/-

Scale = .375"/Ft.

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONTRACTORS MUST FOLLOW TPI'S PROVISIONS AND REQUIREMENTS SPECIFICALLY LISTED IN THE ALPINE TRUSS MANUFACTURING INSTRUCTIONS. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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



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

REF	R487 - - 2018
DATE	08/05/05
DRW	HCUR487 05217027
HC-ENG	JB/AF
SEQN	151115
JREF	1SPD487_201

CLB WEB BRACE SUBSTITUTION

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

NOTES:

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

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

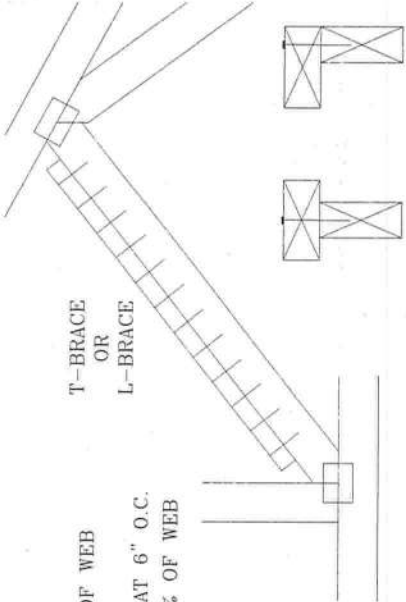
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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

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

T-BRACING
OR
L-BRACING:

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

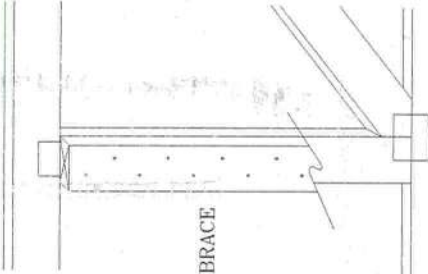


T-BRACE

L-BRACE

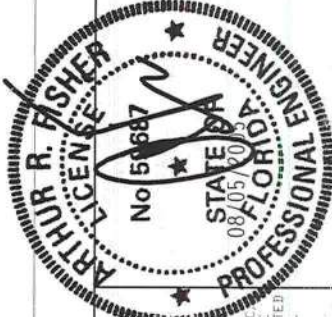
SCAB BRACING:

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



SCAB BRACE

THIS DRAWING REPLACES DRAWING 579,640



ALPINE
ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA

ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY APA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/766A (W/4/5/3) ASTM A53 GRADE UNLESS OTHERWISE SPECIFIED. TO EACH INSPECTION OF THE TRUSS AND UNLESS OTHERWISE SPECIFIED, THE TRUSS SHALL BE PER ANEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 893 DUNFORD DR., SUITE 200, NADISON, VT 05719, AND VITA (WOOD TRUSS COUNCIL) FOR THE LATEST TRUSS SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE SPECIFIED, TRUSS CHORDS SHALL BE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY APA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/766A (W/4/5/3) ASTM A53 GRADE UNLESS OTHERWISE SPECIFIED. TO EACH INSPECTION OF THE TRUSS AND UNLESS OTHERWISE SPECIFIED, THE TRUSS SHALL BE PER ANEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	11/26/03
BC DL	PSF	DRWG	BRCBLSUB1103
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

BEARING BLOCK NAIL SPACING DETAIL

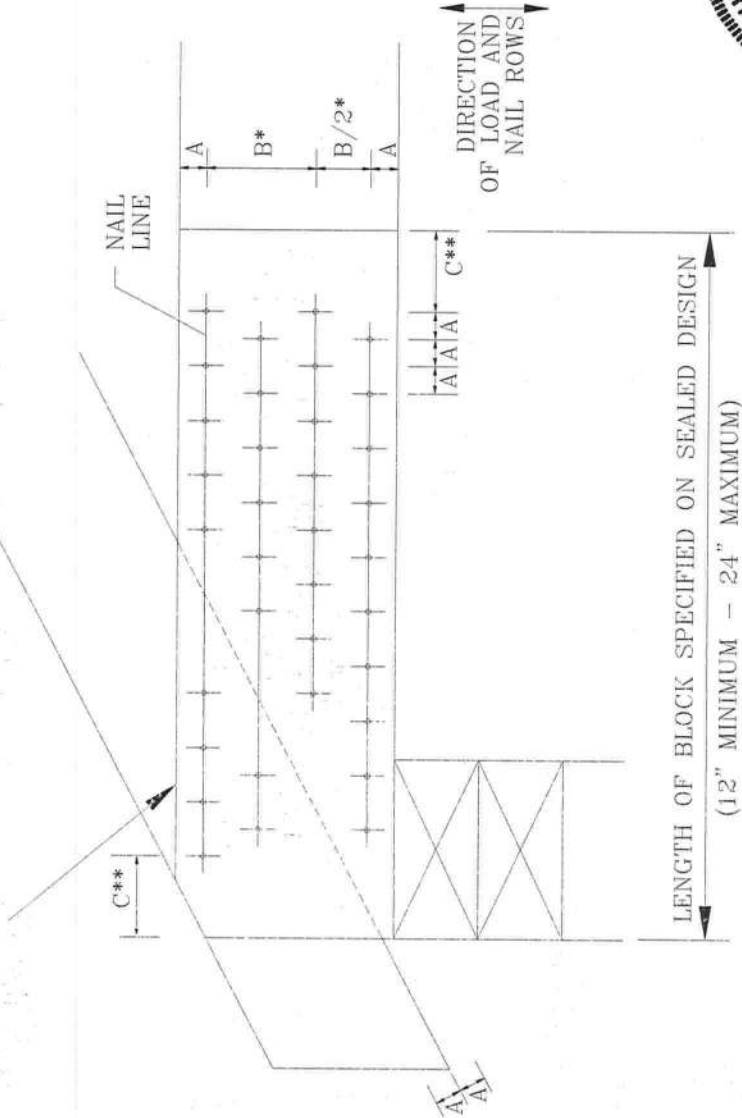
MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

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

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

IF NAIL HOLES ARE PREBORED, SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW:
• SPACING MAY BE REDUCED BY 50%
• SPACING MAY BE REDUCED BY 33%

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

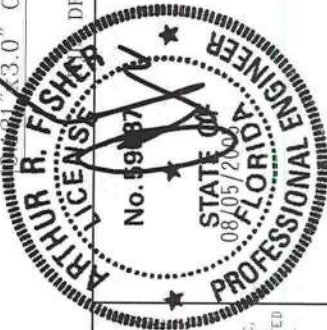


MINIMUM NAIL SPACING DISTANCES

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

ALPINE
ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

ALPINE ENGINEERED PRODUCTS, INC. POMPANO BEACH, FLORIDA



DRAWING REPLACES DRAWING B139 AND CNBRGBLK0699.

REF	BEARING BLOCK
DATE	11/26/03
DRWG	CNBRGBLK1103
-ENG	SJP/KAR

Residential System Sizing Calculation

Summary

Frankel Residence
Lake City, FL 32025-

Project Title:
Harold & Cindy Frankel

Class 3 Rating
Registration No. 0
Climate: North

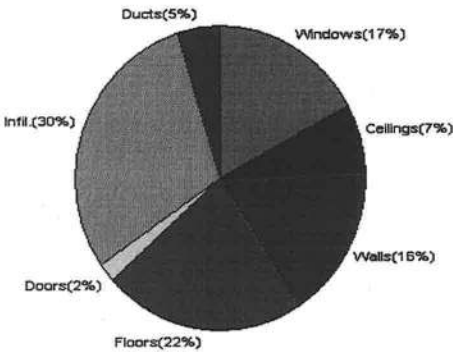
6/23/2005

Location for weather data: Gainesville - User customized: Latitude(29) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(51gr.)			
Winter design temperature	31 F	Summer design temperature	99 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	39 F	Summer temperature difference	24 F
Total heating load calculation	26868 Btuh	Total cooling load calculation	28761 Btuh
Submitted heating capacity	32000 Btuh	Submitted cooling capacity	32000 Btuh
Submitted as % of calculated	119.1 %	Submitted as % of calculated	111.3 %

WINTER CALCULATIONS

Winter Heating Load (for 1542 sqft)

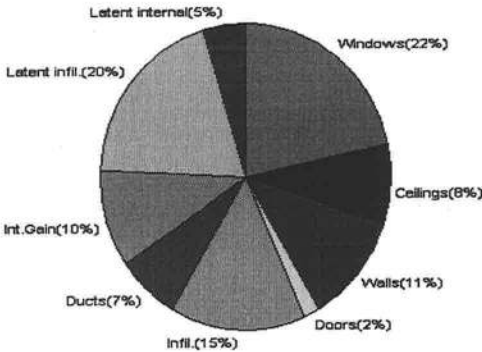
Load component		Load	
Window total	163 sqft	4613	Btuh
Wall total	1536 sqft	4427	Btuh
Door total	40 sqft	555	Btuh
Ceiling total	1542 sqft	2005	Btuh
Floor total	191 ft	6036	Btuh
Infiltration	185 cfm	7954	Btuh
Subtotal		25589	Btuh
Duct loss		1279	Btuh
TOTAL HEAT LOSS		26868	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1542 sqft)

Load component		Load	
Window total	163 sqft	6287	Btuh
Wall total	1536 sqft	3254	Btuh
Door total	40 sqft	518	Btuh
Ceiling total	1542 sqft	2436	Btuh
Floor total		0	Btuh
Infiltration	162 cfm	4283	Btuh
Internal gain		3000	Btuh
Subtotal(sensible)		19777	Btuh
Duct gain		1978	Btuh
Total sensible gain		21755	Btuh
Latent gain(infiltration)		5626	Btuh
Latent gain(internal)		1380	Btuh
Total latent gain		7006	Btuh
TOTAL HEAT GAIN		28761	Btuh



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: _____

DATE: _____

System Sizing Calculations - Winter

Residential Load - Component Details

Frankel Residence
Lake City, FL 32025-

Project Title:
Harold & Cindy Frankel

Class 3 Rating
Registration No. 0
Climate: North

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

6/23/2005

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	W	6.0	28.3	170 Btuh
2	2, Clear, Metal, DEF	W	40.0	28.3	1132 Btuh
3	2, Clear, Metal, DEF	W	15.0	28.3	424 Btuh
4	2, Clear, Metal, DEF	N	30.0	28.3	849 Btuh
5	2, Clear, Metal, DEF	E	30.0	28.3	849 Btuh
6	2, Clear, Metal, DEF	E	22.0	28.3	623 Btuh
7	2, Clear, Metal, DEF	S	20.0	28.3	566 Btuh
Window Total			163		4613 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1313	3.1	4070 Btuh
2	Frame - Adjacent	13.0	223	1.6	357 Btuh
Wall Total			1536		4427 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		20	18.3	367 Btuh
2	Insulated - Adjac		20	9.4	188 Btuh
Door Total			40		555Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	1542	1.3	2005 Btuh
Ceiling Total			1542		2005Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	191.0 ft(p)	31.6	6036 Btuh
Floor Total			191		6036 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.80	13878(sqft)	185	7954 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				185	7954 Btuh

Totals for Heating	Subtotal	25589 Btuh
	Duct Loss(using duct multiplier of 0.05)	1279 Btuh
	Total Btuh Loss	26868 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

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

System Sizing Calculations - Summer

Residential Load - Component Details

Frankel Residence
Lake City, FL 32025-

Project Title:
Harold & Cindy Frankel

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (User customized) Summer Temperature Difference: 24.0 F 6/23/2005

Window	Type	Overhang	Window Area(sqft)			HTM		Load		
	Panes/SHGC/U/InSh/ExSh Ornt		Len	Hgt	Gross	Shaded	Unshaded		Shaded	Unshaded
1	2, Clear, DEF, N, N	W	1.5	5	6.0	0.0	6.0	25	74	444 Btuh
2	2, Clear, DEF, N, N	W	13.5	8.66	40.0	40.0	0.0	25	74	1000 Btuh
3	2, Clear, DEF, N, N	W	1.5	7	15.0	0.0	15.0	25	74	1110 Btuh
4	2, Clear, DEF, N, N	N	1.5	7	30.0	0.0	30.0	25	25	750 Btuh
5	2, Clear, DEF, N, N	E	6.5	7	30.0	21.2	8.8	25	74	1181 Btuh
6	2, Clear, DEF, N, N	E	6.5	8.66	22.0	6.7	15.3	25	74	1302 Btuh
7	2, Clear, DEF, N, N	S	1.5	7	20.0	20.0	0.0	25	39	500 Btuh
Window Total			163							6287 Btuh
Walls	Type	R-Value		Area		HTM		Load		
1	Frame - Exterior	13.0		1313.0		2.2		2915 Btuh		
2	Frame - Adjacent	13.0		223.0		1.5		339 Btuh		
Wall Total			1536.0				3254 Btuh			
Doors	Type			Area		HTM		Load		
1	Insulated - Exter			20.0		12.9		259 Btuh		
2	Insulated - Adjac			20.0		12.9		259 Btuh		
Door Total			40.0				518 Btuh			
Ceilings	Type/Color	R-Value		Area		HTM		Load		
1	Under Attic/Dark	30.0		1542.0		1.6		2436 Btuh		
Ceiling Total			1542.0				2436 Btuh			
Floors	Type	R-Value		Size		HTM		Load		
1	Slab-On-Grade Edge Insulation	0.0		191.0 ft(p)		0.0		0 Btuh		
Floor Total			191.0				0 Btuh			
Infiltration	Type	ACH		Volume		CFM=		Load		
	Natural	0.70		13878		162.2		4283 Btuh		
	Mechanical					0		0 Btuh		
Infiltration Total					162		4283 Btuh			

Internal gain	Occupants	Btuh/occupant	Appliance	Load
	6	X 300 +	1200	3000 Btuh

Totals for Cooling	Subtotal	19777 Btuh
	Duct gain(using duct multiplier of 0.10)	1978 Btuh
	Total sensible gain	21755 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	5626 Btuh
	Latent occupant gain (6 people @ 230 Btuh per person)	1380 Btuh
	Latent other gain	0 Btuh
	TOTAL GAIN	28761 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Frankel Residence

Project Title:
Harold & Cindy Frankel

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL 32025-

6/23/2005

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

This Instrument Prepared by & return to:
Name: **KIM WATSON, an employee of**
TITLE OFFICES, LLC
Address: **1089 SW MAIN BLVD.**
LAKE CITY, FLORIDA 32025
File No. 05Y-07116KW

Parcel I.D. #: 02952-201

SPACE ABOVE THIS LINE FOR PROCESSING DATA

SPACE ABOVE THIS LINE FOR RECORDING DATA

THIS WARRANTY DEED Made the **4th** day of **August**, A.D. 2005, by **A & R OF LAKE CITY, INC.**,
having its principal place of business at **P.O. BOX 1733, LAKE CITY, FLORIDA 32056**, hereinafter called the
grantor, to **HAROLD J. FRANKEL** and **CYNTHIA M. FRANKEL, HIS WIFE**, whose post office address is **1703**
SW SISTERS WELCOME ROAD, LAKE CITY, FLORIDA 32025, hereinafter called the grantees:

(Wherever used herein the terms "grantor" and "grantees" include all the parties to this instrument, singular and plural, the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.)

Witnesseth: That the grantor, for and in consideration of the sum of \$10.00 and other valuable consideration, receipt whereof is hereby acknowledged, does hereby grant, bargain, sell, alien, remise, release, convey and confirm unto the grantees all that certain land situate in **Columbia County, State of FLORIDA**, viz:

Lot 1, SOUTHERN APPROACHES, Unit 1, according to the map or plat thereof as recorded in Plat Book 6, Page 88, of the Public Records of Columbia County, FLORIDA.

Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

To Have and to Hold the same in fee simple forever.

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

In Witness Whereof, the said grantor has caused these presents to be executed in its name and its corporate seal to be hereunto affixed by its proper officers thereunto duly authorized, the day and year first above written.

Signed, sealed and delivered in the presence of:

A & R OF LAKE CITY, INC.

By: Harold J. Frankel L.S.
Name:
Title:

Martha Bryan
Witness Signature

Printed Name

Brandi Dunning
Witness Signature
Brandi Dunning
Printed Name

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this **4th** day of **August**, 2005, by
as **A & R OF LAKE CITY, INC.**, a Florida corporation. He (she) is personally known to me or has
produced Id. License as identification.



Martha Bryan
Commission # DD232534
Expires August 10, 2007
Bonded Troy Fain - Insurance, Inc. 800-385-7019

Martha Bryan
Notary Public
My commission expires _____

A. Settlement Statement

B. Type of Loan

1. ☐FHA

2. ☐FmHA

3. ☐Conv. Unins.

4. ☐VA

5. ☐Conv. Ins.

6. File Number
05Y-07116KW

7. Loan Number

8. Mortgage Insurance Case Number

C. Note:

This form is furnished to give you a statement of actual settlement costs. Amounts paid to and by the settlement agent are shown. Items marked "(p.o.c.)" were paid outside the closing; they are shown here for information purposes and are not included in the totals. WARNING: It is a crime to knowingly make false statements to the United States on this or any other similar form. Penalties upon conviction can include a fine and imprisonment. For details see: Title 18 U. S. Code Section 1001 and Section 1010.

TitleExpress Settlement System
Printed 08/04/2005 at 09:43 AKW

D. NAME OF BORROWER:

HAROLD J. FRANKEL and CYNTHIA M. FRANKEL

ADDRESS:

1703 SW SISTERS WELCOME ROAD, LAKE CITY, FLORIDA 32025

E. NAME OF SELLER:

A & R OF LAKE CITY, INC.

ADDRESS:

P.O. BOX 1733, LAKE CITY, FLORIDA 32056

F. NAME OF LENDER:

ADDRESS:

G. PROPERTY ADDRESS:

LOT 1 UNIT 1 SOUTHERN APPROACHES, COLUMBIA COUNTY, FLORIDA

H. SETTLEMENT AGENT:

TITLE OFFICES, LLC, PH 386-752-1502 FAX 386-752-5746

PLACE OF SETTLEMENT:

1089 SW MAIN BLVD., LAKE CITY, FLORIDA 32025

I. SETTLEMENT DATE:

08/04/2005

J. SUMMARY OF BORROWER'S TRANSACTION:

K. SUMMARY OF SELLER'S TRANSACTION:

100. GROSS AMOUNT DUE FROM BORROWER

400. GROSS AMOUNT DUE TO SELLER

101. Contract sales price

38,000.00

401.

102. Personal Property

402.

103. Settlement charges to borrower (line 1400)

384.25

403.

104.

404.

105.

405.

Adjustments for items paid by seller in advance

Adjustments for items paid by seller in advance

109.

409.

110.

410.

111.

411.

112.

412.

120. GROSS AMOUNT DUE FROM BORROWER

38,384.25

420. GROSS AMOUNT DUE TO SELLER

200. AMOUNTS PAID BY OR ON BEHALF OF BORROWER

500. REDUCTIONS IN AMOUNT DUE TO SELLER

201. Deposit or earnest money

1,000.00

501.

202. Principal amount of new loans

502.

203. Existing loan(s) taken subject to

503.

204.

504.

205.

505.

206.

506.

207.

507.

208.

508.

209.

509.

Adjustments for items unpaid by seller

Adjustments for items unpaid by seller

211. County taxes

01/01/05 to 08/04/05

242.18

511. County taxes

to

213.

513.

214.

514.

215.

515.

216.

516.

217.

517.

218.

518.

219.

519.

220. TOTAL PAID BY/FOR BORROWER

1,242.18

520. TOTAL REDUCTION AMOUNT DUE SELLER

300. CASH AT SETTLEMENT FROM OR TO BORROWER

600. CASH AT SETTLEMENT TO OR FROM SELLER

301. Gross amount due from borrower (line 120)

38,384.25

601. Gross amount due to seller (line 420)

302. Less amounts paid by/for borrower (line 220)

1,242.18

602. Less reduction amount due seller (line 520)

303. CASH FROM BORROWER

37,142.07

SUBSTITUTE FORM 1099 SELLER STATEMENT: The information contained herein is important tax information and is being furnished to the Internal Revenue Service. If you are required to file a return, a negligence penalty or other sanction will be imposed on you if this item is required to be reported and the IRS determines that it has not been reported. The Contract Sales Price described on line 401 above constitutes the Gross Proceeds of this transaction.

SELLER INSTRUCTIONS: If this real estate was your principal residence, file Form 2119, Sale or Exchange of Principal Residence, for any gain, with your Income tax return; for other transactions, complete the applicable parts of Form 4797, Form 6252 and/or Schedule D (Form 1040).

You are required by law to provide TITLE OFFICES, LLC PH 386-752-1502 FAX 386-752-5746 with your correct taxpayer identification number. If you do not provide your correct taxpayer identification number, you may be subject to civil or criminal penalties imposed by law, and Under penalties of perjury, I certify that the number shown on this statement is my correct taxpayer identification number.

TIN:SELLER 1SELLER 2

SELLER(S) SIGNATURE(S):SELLER 1SELLER 2

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

File Number: 05Y-07116

PAGE 2

SETTLEMENT STATEMENT

TitleExpress Settlement System Printed 08/04/2005 at 09:43 AKW

L. SETTLEMENT CHARGES		PAID FROM BORROWER'S FUNDS AT SETTLEMENT	PAID FROM SELLER'S FUNDS AT SETTLEMENT
700. TOTAL SALES/BROKER'S COMMISSION based on price \$38,000.00 @ 10.000 = 3,800.00			
Division of commission (line 700) as follows:			
701. \$	3,800.00 to CANNON CREEK AIRPARK REALTY		
702. \$	to		
703. Commission paid at Settlement			
800. ITEMS PAYABLE IN CONNECTION WITH LOAN			
801. Loan Origination Fee	%		
802. Loan Discount	%		
803. Appraisal Fee			
804. Credit Report			
805. Lender's Inspection Fee			
806. Mortgage Application Fee			
807. Assumption Fee			
808.			
809.			
810.			
811.			
900. ITEMS REQUIRED BY LENDER TO BE PAID IN ADVANCE			
901. Interest From	to @\$ /day		
902. Mortgage Insurance Premium for	to		
903. Hazard Insurance Premium for	to		
904.			
905.			
1000. RESERVES DEPOSITED WITH LENDER FOR			
1001. Hazard Insurance	mo. @ \$ /mo		
1002. Mortgage Insurance	mo. @ \$ /mo		
1003. City Property Taxes	mo. @ \$ /mo		
1004. County Property Taxes	mo. @ \$ /mo		
1005. Annual Assessments	mo. @ \$ /mo		
1009. Aggregate Analysis Adjustment			
1100. TITLE CHARGES			
1101. Settlement or closing fee	to TITLE OFFICES, LLC	50.00	
1102. Abstract or title search	to TITLE OFFICES, LLC	37.50	
1103. Title examination	to TITLE OFFICES, LLC	37.50	
1104.			
1105.			
1106.			
1107. Attorney's fees			
(includes above items No:)			
1108. Title Insurance	to TICOR TITLE INSURANCE COMPANY	109.25	
(includes above items No:)			
1109. Lender's Policy			
1110. Owner's Policy	38,000.00 - 218.50		
1111. COPIES FROM COURTHOUSE to	TITLE OFFICES, LLC	2.00	
1112.			
1113.			
1200. GOVERNMENT RECORDING AND TRANSFER CHARGES			
1201. Recording Fees Deed \$ 10.00 ; Mortgage \$; Release \$		5.00	
1202. City/County tax/stamps	Deed \$; Mortgage \$		
1203. State Tax/stamps	Deed \$266.00 ; Mortgage \$	133.00	
1204.			
1205.			
1300. ADDITIONAL SETTLEMENT CHARGES			
1301. Survey			
1302. Pest Inspection			
1303. Doc Imaging & Retrieval	to FDIS, Inc.	10.00	
1304.			
1305.			
1306.			
1307.			
1308.			
1400. TOTAL SETTLEMENT CHARGES (enter on lines 103, Section J and 502, Section K)		384.25	

I have carefully reviewed the HUD-1 Settlement Statement and to the best of my knowledge and belief, it is a true and accurate statement of the receipts and disbursements made on my account in this transaction. I further certify that I have received a copy of the HUD-1 Settlement Statement, and have given my permission for the closing proceeds to be deposited in Title Offices, LLC's Interest Bearing Escrow Account.

HAROLD J. FRANKEL

CYNTHIA M. FRANKEL

A & R OF LAKE CITY, INC.

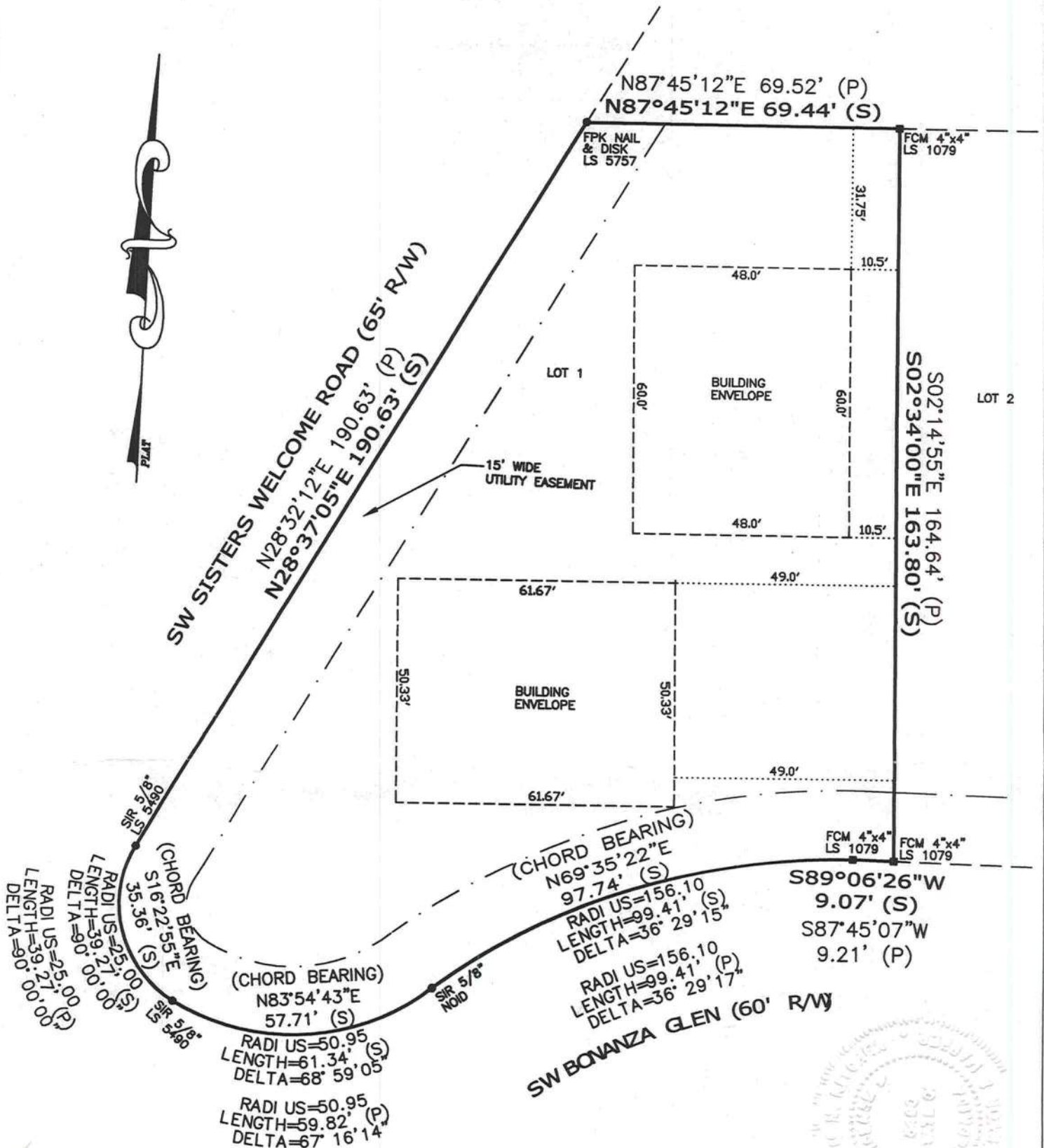
The HUD-1 Settlement Statement which I have prepared is a true and accurate account of this transaction. I have caused or will cause funds to be disbursed in accordance with this statement.
08/04/2005

Settlement Agent

WARNING: It is a crime to knowingly make false statements to the United States on this or any other similar form. Penalties upon conviction can include a fine and imprisonment. For details see: Title 18 U.S. Code Section 1001 and Section 1010.

MAP OF BOUNDARY SURVEY

SHOWING LOT 1 OF SOUTHERN APPROACHES UNIT ONE, A SUBDIVISION ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 6, PAGE 88 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.



I HEREBY CERTIFY THIS SURVEY WAS DONE UNDER MY DIRECT SUPERVISION AND IT MEETS THE MINIMUM TECHNICAL STANDARDS FOR LAND SURVEYING PURSUANT TO CHAPTER 61G17-6, FLORIDA ADMINISTRATION CODE, CHAPTER 472, FLORIDA STATUTES.

WILLIAM N. KITCHEN PSM 5490

SURVEYORS NOTES

1. BEARING BASED ON PLAT.
2. THIS SURVEY BASED ON LEGAL DESCRIPTION FURNISHED. THE PUBLIC RECORDS, WERE NOT SEARCHED BY THIS SURVEYOR FOR EASEMENTS, TITLE, COVENANTS, RESTRICTIONS, CLOSURES, TAKINGS OR ORDINANCES, ETC., THERE COULD BE OTHER MATTER OF RECORD THAT EFFECT THIS PARCEL.

CERTIFIED TO:

1. HAROLD FRANKEL

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

REV: 10-12-2005

WILLIAM N. KITCHEN
PROFESSIONAL SURVEYOR AND MAPPER
152 N MARION AVENUE
LAKE CITY, FLORIDA 32055
PHONE (386) 755-7786

DRAWN BY: RI FIELD BOOK: 05406

SCALE: 1" = 30'

SURVEY DATE: OCTOBER 5, 2005

JOB NUMBER

SHEET

CLIENT: HAROLD FRANKEL

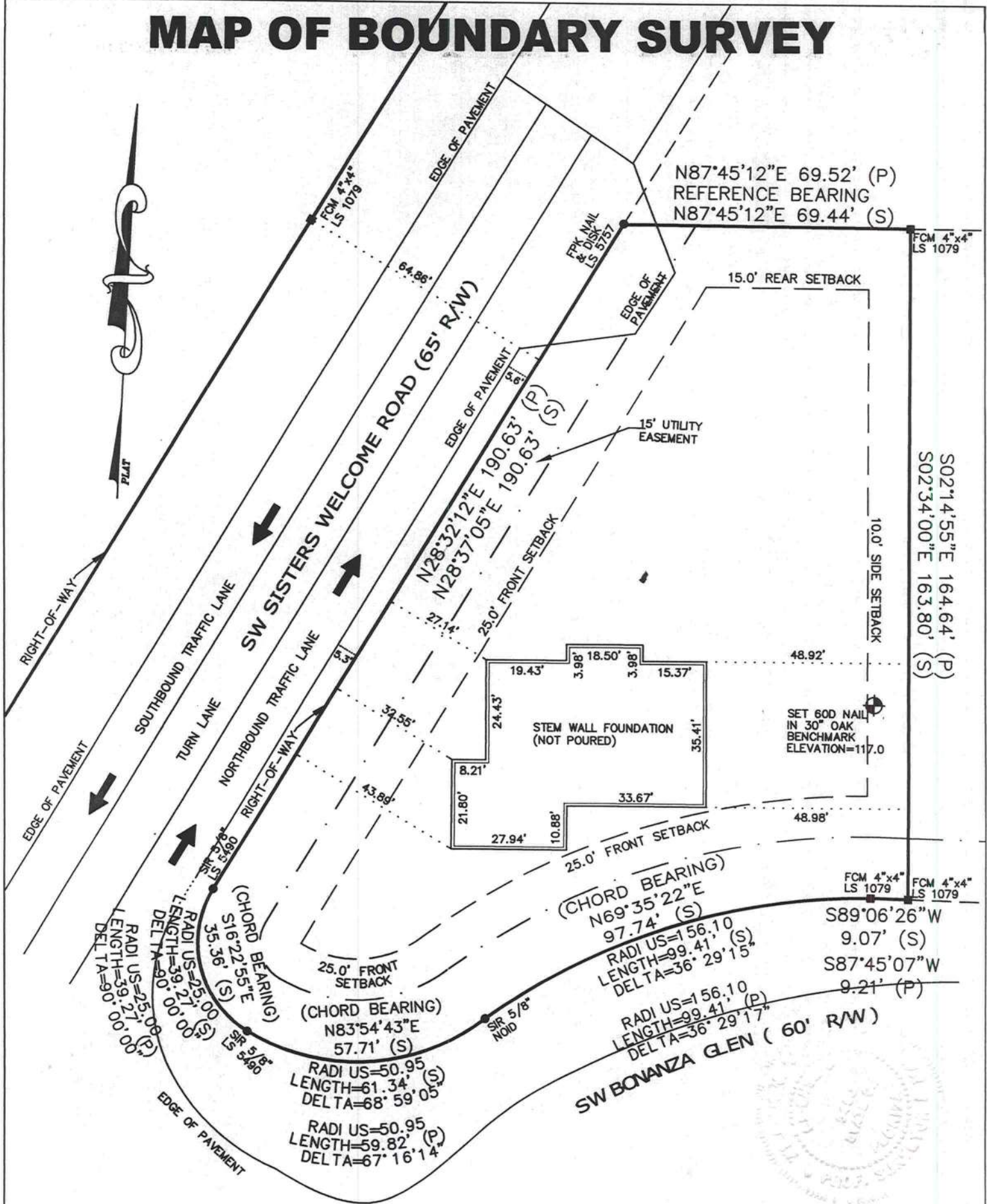
05406

1 OF 1

LEGEND

(P) = PLAT
(S) = SURVEY MEASUREMENT
FCM = FOUND CONCRETE MONUMENT
SIR = SET IRON ROD
LS = LAND SURVEYOR
NOID = NO IDENTIFICATION
R/W = RIGHT OF WAY

MAP OF BOUNDARY SURVEY



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WILLIAM N. KITCHEN PSM 5490

William N. Kitchen
11-18-2005

- SURVEYORS NOTES
1. BEARING BASED ON PLAT.
 2. THIS SURVEY BASED ON LEGAL DESCRIPTION FURNISHED. THE PUBLIC RECORDS, WERE NOT SEARCHED BY THIS SURVEYOR FOR EASEMENTS, TITLE, COVENANTS, RESTRICTIONS, CLOSURES, TAKINGS OR ORDINANCES, ETC., THERE COULD BE OTHER MATTER OF RECORD THAT EFFECT THIS PARCEL.

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REV:		LEGEND	
WILLIAM N. KITCHEN PROFESSIONAL SURVEYOR AND MAPPER 152 N MARION AVENUE LAKE CITY, FLORIDA 32055 PHONE (386) 755-7786		DRAWN BY: RI	FIELD BOOK: 05406
		SCALE: 1" = 30'	
		SURVEY DATE: OCTOBER 5, 2005	
		JOB NUMBER	SHEET
CLIENT: HAROLD FRANKEL		05406	1 OF 1

(P) = PLAT
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**Columbia County Building Department
Culvert Permit**

**Culvert Permit No.
000000867**

DATE 10/25/2005 PARCEL ID # 13-4S-16-02952-201
APPLICANT HAROLD FRANKEL PHONE 752-9592
ADDRESS 1703 SW SISTERS WELCOME RD LAKE CITY FL 32025
OWNER HAROLD FRANKEL PHONE 752-9592
ADDRESS 115 SW BONANZA GLEN LAKE CITY FL 32025
CONTRACTOR OWNER BUILDER PHONE _____
LOCATION OF PROPERTY 341 S, ON THE LEFT CORNER OF 341 & BONANZA GLEN

SUBDIVISION/LOT/BLOCK/PHASE/UNIT SOUTERN APPROACHES 1

SIGNATURE



INSTALLATION REQUIREMENTS



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

INSTALLATION NOTE: Turnouts will be required as follows:

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



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



Other _____

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

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

Amount Paid 25.00





STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE DISPOSAL SYSTEM
APPLICATION FOR CONSTRUCTION PERMIT

PERMIT NO. 05-10581
DATE PAID: 10-12-05
FEE PAID: 330.00
RECEIPT #: 5051010008

APPLICATION FOR:

☒ New System ☐ Existing System ☐ Holding Tank ☐ Innovative
☐ Repair ☐ Abandonment ☐ Temporary ☐

APPLICANT: HAROLD FRANKEL

AGENT: _____ TELEPHONE: 386-752-9592

MAILING ADDRESS: 1703 SW SISTERS WELCOME RD LAKE CITY

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3)(a) OR 489.552, FLORIDA STATUTES.

PROPERTY INFORMATION

LOT: 1 BLOCK: W-1 SUBDIVISION: SOUTHERN APPROACHES PLATTED: 2/19/89

PROPERTY ID #: 13-45-16-02952-201 ZONING: Res. I/M OR EQUIVALENT: ☐ Y / ☐ N]

PROPERTY SIZE: 1/2 ACRES WATER SUPPLY: ☐ PRIVATE PUBLIC ☒ <=2000GPD ☐ >2000GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? ☐ Y / ☐ N] DISTANCE TO SEWER: _____ FT

PROPERTY ADDRESS: 110 BONANZA BLVD

DIRECTIONS TO PROPERTY: SOUTH ON SISTERS WELCOME ROAD (1st ST)
LEFT ON BUSINESS POINT THEN LEFT ON BONANZA

BUILDING INFORMATION

☒ RESIDENTIAL ☐ COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	House	3	1512	
2	Hwybar		2000	
3				
4				

☐ Floor/Equipment Drains ☐ Other (Specify) _____

SIGNATURE: Harold Frankel DATE: 10/11/05



STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number

05-1058 N

PART II - SITE PLAN

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

See
3000
750
3000
NE
Attached
(UNDER 5' (1.6) 2.0)
36.100

ALBANY-LINE

ALBANY-LINE

REMOVED

Notes:

Site Plan submitted by:

Signature

OWNER

Title

Plan Approved

Not Approved

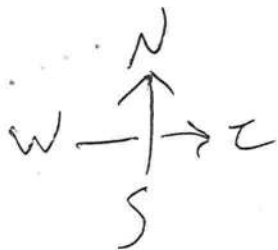
Date

10/18/05

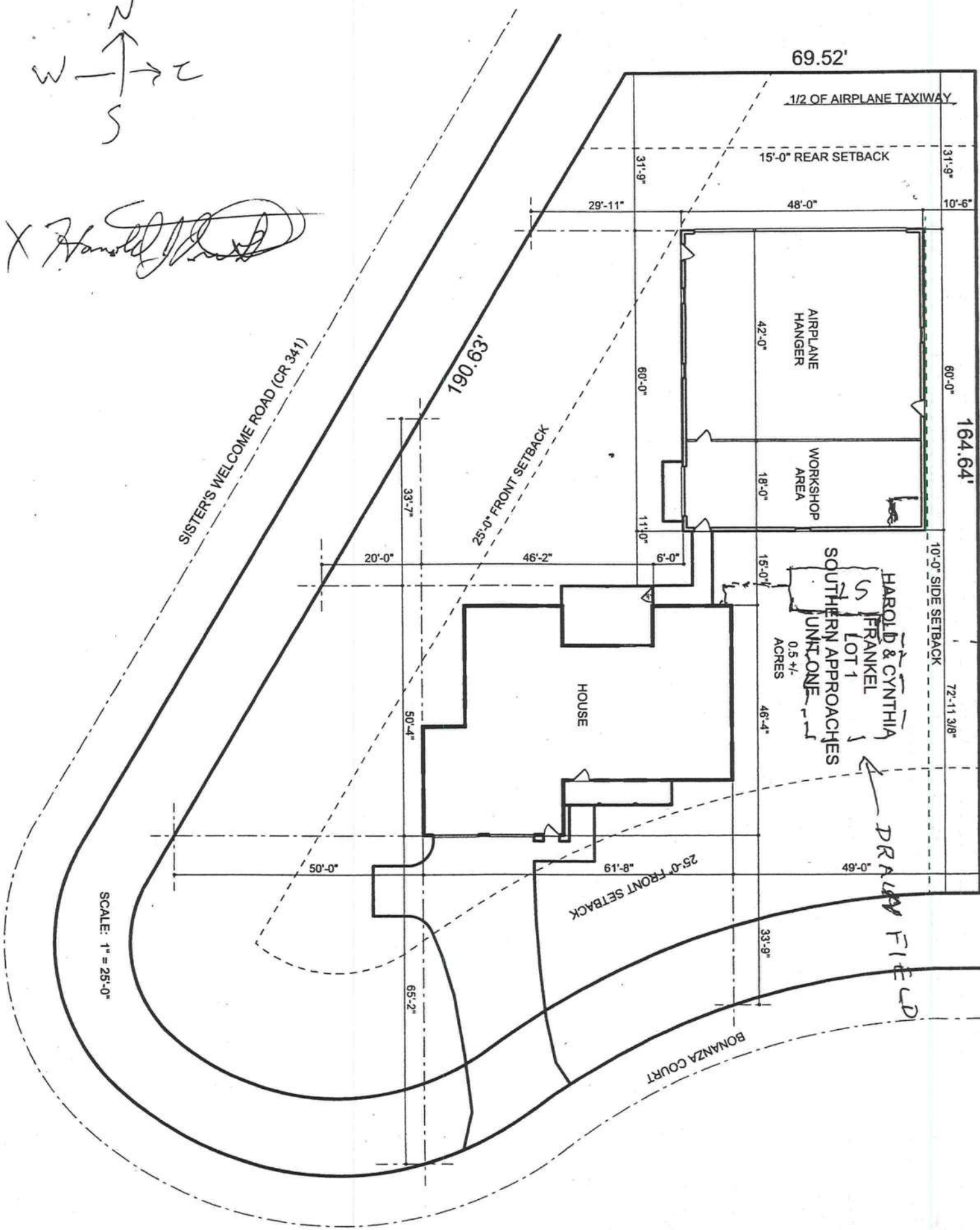
By

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT



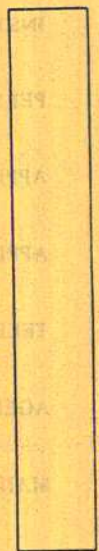
X Harold Frankel





STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE DISPOSAL SYSTEM
CONSTRUCTION PERMIT
Authority: Chapter 381, FS & Chapter 10D-6, FAC

PERMIT # 05-1052-N
DATE PAID _____
FEE PAID \$ _____
RECEIPT # _____



CONSTRUCTION PERMIT FOR:

☒ New System ☐ Existing System ☐ Holding Tank ☐ Temporary/Experimental
☐ Repair ☐ Abandonment ☐ Other(Specify) _____

APPLICANT: FRANKEL, HAROLD AGENT: OWNER

PROPERTY STREET ADDRESS: 110 BONANZA GLEN

LOT: 1 BLOCK: _____ SUBDIVISION: SOUTHERN APPROACHES

PROPERTY ID #: 13-45-16-02952-20 [SECTION/TOWNSHIP/RANGE/PARCEL NUMBER]
[OR TAX ID NUMBER]

=====

SYSTEM MUST BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATIONS AND STANDARDS OF CHAPTER 10D-6, FAC. REPAIR PERMITS AND HOLDING TANK PERMITS EXPIRE 90 DAYS FROM THE DATE OF ISSUE. ALL OTHER PERMITS EXPIRE ONE YEAR FROM THE DATE OF ISSUE. DEPARTMENT OF HEALTH APPROVAL OF SYSTEM DOES NOT GUARANTEE SATISFACTORY PERFORMANCE FOR ANY SPECIFIC PERIOD OF TIME. ANY CHANGE IN MATERIAL FACTS WHICH SERVED AS A BASIS FOR ISSUANCE OF THIS PERMIT REQUIRE THE APPLICANT TO MODIFY THE PERMIT APPLICATION. SUCH MODIFICATIONS MAY RESULT IN THIS PERMIT BEING MADE NULL AND VOID.

=====

SYSTEM DESIGN AND SPECIFICATIONS

T ☐ 900 [GALLONS / GPD] SEPTIC TANK/AEROBIC UNIT CAPACITY MULTI-CHAMBERED/IN SERIES: ☐
A ☐ N/A [GALLONS / GPD] CAPACITY MULTI-CHAMBERED/IN SERIES: ☐
N ☐ N/A GALLONS GREASE INTERCEPTOR CAPACITY [MAXIMUM CAPACITY SINGLE TANK: 1250 GALLONS]
K ☐ N/A GALLONS PER DOSE DOSING TANK CAPACITY DOSE RATE ☐ PER 24 HRS NO. OF PUMPS: ☐

D ☐ 333 SQUARE FEET PRIMARY DRAINFIELD SYSTEM
R ☐ N/A SQUARE FEET SYSTEM
A TYPE SYSTEM: ☐ STANDARD ☒ FILLED ☐ MOUND ☐
I CONFIGURATION: ☒ TRENCH ☐ BED ☐
N
F LOCATION OF BENCHMARK: BACK NE OF SITE (UNDER SITE BM)
I ELEVATION OF PROPOSED SYSTEM SITE ☐ 36 [INCHES/FT] [ABOVE/BELOW] BENCHMARK/REFERENCE POINT
E BOTTOM OF DRAINFIELD TO BE ☐ 37 [INCHES/FT] [ABOVE/BELOW] BENCHMARK/REFERENCE POINT
L
D FILL REQUIRED: ☐ 17 INCHES EXCAVATION REQUIRED: ☐ N/A INCHES

O _____
T _____
H _____
E _____
R _____

SPECIFICATIONS BY: [Signature] TITLE: ES I

APPROVED BY: [Signature] TITLE: ES II Columbica CHD

DATE ISSUED: 10/17/05 EXPIRATION DATE: 04/17/07

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.

23775

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. JB102476 Company Phone No. 386-755-3611
FHA/VA Case No. (if any)

Section 2: Builder Information

Company Name: Harold Frankel Company Phone No.

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 115 SW Bonanza Glen Lake City FL
Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other
Approximate Depth of Footing: Outside 12 Inside 12 Type of Fill A.C.

Section 4: Treatment Information

Date(s) of Treatment(s) 11-22-05
Brand Name of Product(s) Used Proshield
EPA Registration No. 100-1006
Approximate Final Mix Solution % 0.5%
Approximate Size of Treatment Area: Sq. ft. 7467 Linear ft. 222 Linear ft. of Masonry Voids 222
Approximate Total Gallons of Solution Applied 470
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) JTB Brown 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 JTB Brown Date 11-22-05

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)

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

Mark Disosway, P.E.

POB 868, Lake City, FL 32056, Ph (386) 754-5419, Fax (702) 543-7241

23775

November 29, 2005

Building Department
Columbia County Dept. of Growth Management
35 N. Hernando St..
Lake City, FL 32056-1529

Re: Foundation elevation of the Harold & Cynthia Frankel Residence, Lot 1 Southern Approaches S/D Unit 1 Columbia Co., FL.

Dear Building Inspector:

This letter is in reference to foundation elevation issues at the above referenced house.

We checked the foundation elevation with a laser level (1/4"/100' accuracy).

Based on the existing surveyors nail in the center of Bonanza Court (111.09') the elevation of the house slab is at **117.00'**.

Evan Beamsley
Senior Structural Designer

Mark Disosway

Project No. 510141

Foundation Elevation

Page 1 of 1

Florida P.E. No.53915

COLUMBIA COUNTY OFFICE OF ALTERNATE

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 13-4S-16-02952-201

Building permit No. 000023775

Use Classification SFD, UTILITY

Fire: 5.92

Permit Holder OWNER BUILDER

Waste: 12.25

Owner of Building HAROLD FRANKEL

Total: 18.17

Location: 115 SW BONANZA GLEN

Date: 09/22/2006



Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)