

DATE 11/22/2005

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000023885

APPLICANT MELANIE RODER PHONE 752.2281

ADDRESS 387 SW KEMP CT LAKE CITY FL 32024

OWNER ROB STEWART PHONE 867.2059

ADDRESS 176 SW ARROWBEND DRIVE LAKE CITY FL 32024

CONTRACTOR ROB STEWART PHONE 867.2059

LOCATION OF PROPERTY 90-W TO C-341,TL TO KICKLIGHTER RD,TL TO CANNON CREEK DR,TL TO CANNON CREEK PL,TR TO ARROWBEND DR, 3RD LOT ON R.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 77250.00

HEATED FLOOR AREA 1545.00 TOTAL AREA 2103.00 HEIGHT 21.00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 7'12 FLOOR CONC

LAND USE & ZONING RSF-2 MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00

NO. EX.D.U. 0 FLOOD ZONE XPP DEVELOPMENT PERMIT NO. _____

PARCEL ID 24-4S-16-03114-137 SUBDIVISION CANNOM CREEK PLACE

LOT 37 BLOCK _____ PHASE _____ UNIT _____ TOTAL ACRES .51

000000892 _____ CBC1252898 Melanie Roder

Culvert Permit No. _____ Culvert Waiver _____ Contractor's License Number _____ Applicant/Owner/Contractor _____

18"X32"MITERED _____ 05-0983-N _____ BLK _____ JTH _____ N _____

Driveway Connection _____ Septic Tank Number _____ LU & Zoning checked by _____ Approved for Issuance _____ New Resident _____

COMMENTS: PLAT REQUIRES M.F.E TO BE 95.5' ELEVATION LETTER REQUIRED.

Check # or Cash 1625

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ Foundation _____ Monolithic _____
date/app. by _____ date/app. by _____ date/app. by _____

Under slab rough-in plumbing _____ Slab _____ Sheathing/Nailing _____
date/app. by _____ date/app. by _____ date/app. by _____

Framing _____ Rough-in plumbing above slab and below wood floor _____
date/app. by _____ date/app. by _____

Electrical rough-in _____ Heat & Air Duct _____ Peri. beam (Lintel) _____
date/app. by _____ date/app. by _____ date/app. by _____

Permanent power _____ C.O. Final _____ Culvert _____
date/app. by _____ date/app. by _____ date/app. by _____

M/H tie downs, blocking, electricity and plumbing _____ Pool _____
date/app. by _____ date/app. by _____

Reconnection _____ Pump pole _____ Utility Pole _____
date/app. by _____ date/app. by _____ date/app. by _____

M/H Pole _____ Travel Trailer _____ Re-roof _____
date/app. by _____ date/app. by _____ date/app. by _____

BUILDING PERMIT FEE \$ 390.00 CERTIFICATION FEE \$ 10.52 SURCHARGE FEE \$ 10.52

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 511.04

INSPECTORS OFFICE _____ CLERKS OFFICE _____

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

**Columbia County Building Department
Culvert Permit**

**Culvert Permit No.
000000892**

DATE 11/22/2005 PARCEL ID # 24-4S-16-03114-137
APPLICANT MELANIE RODER PHONE 752.2281
ADDRESS 387 SW KEMP CT LAKE CITY FL 32024
OWNER ROB STEWART PHONE 867.2059
ADDRESS 176 SW ARROWBEND DRIVE LAKE CITY FL 32024
CONTRACTOR ROB STEWART PHONE 867.2059
LOCATION OF PROPERTY 90-W TO SISTERS WELCOME, TL TO KICLIGHTER, TL TO CANNON CREEK DR TO
CANNON CREEK DR, TR INTO S/D, TL @ ARROWBEND DR, 3RD LOT ON R.
SUBDIVISION/LOT/BLOCK/PHASE/UNIT CANNON CREEK PLACE 37
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



Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0510-06 Date Received 10/3/05 By G Permit # 892/23885
Application Approved by - Zoning Official BLK Date 11.11.05 Plans Examiner OKJTH Date 11.18.05
Flood Zone Xppld Development Permit N/A Zoning RSF-2 Land Use Plan Map Category Res. Low Dev.
Comments Plat Requires M.F.E. to be at 95.5' Elevation letter required
Issued by Linda 11.22.05

Applicants Name Melanie Roder Phone 752-2281
Address 387 SW Kemp Ct Lake City, FL 32024
Owners Name Bob Stewart LC Phone 867-2059
911 Address 176 SW Arrowbend DR Lake City, FL 32024
Contractors Name Bob Stewart Phone 867-2059
Address 507 W Duval St Lake City, FL 32056
Fee Simple Owner Name & Address NA
Bonding Co. Name & Address NA
Architect/Engineer Name & Address Will Myers Mark Disnaway
Mortgage Lenders Name & Address Capitol City
Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
Property ID Number 24-45-16-03114-137 Estimated Cost of Construction 110,000
Subdivision Name Cannon Creek Place Lot 37 Block Unit Phase
Driving Directions 90W TL on Sisters Welcome, TL on Kiehligher, TL on Cannon Creek Dr. TR into Cannon Creek Place TL on Arrowbend Dr 3rd lot on R
Type of Construction SFD Number of Existing Dwellings on Property 0
Total Acreage .51 Lot Size Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive
Actual Distance of Structure from Property Lines - Front 50' Side 27'10" Side 28'11" Rear 96'4"
Total Building Height 21' Number of Stories 1 Heated Floor Area 1545 Roof Pitch 2:12
PORCHES 36 GARAGE 522 TOTAL 2103

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



Linda R. Roder
Commission #DD303275
Expires: Mar 24, 2008
Bonded Thru
Bonding Co., Inc.

Sworn to (or affirmed) and subscribed before me

is 30 day of September 2005.

Personally known ✓ or Produced Identification

Contractor Signature

Contractors License Number CBC 1252898

Competency Card Number

NOTARY STAMP/SEAL

Linda R. Roder
Notary Signature

Notice of Authorization

I Bob Stewart, do hereby authorize Linda Roder or Melanie Roder,

to be my representative and act on my behalf in all aspects of applying for any

Building permit to be located in Columbia county.

Any homeowner and legal description

[Signature]

Contractor's signature

9-30-05
Date

Sworn and subscribed before me this 30 day of September, 2005.

Linda Roder

Notary Public



Linda R. Roder
Commission #DD303275
Expires: Mar 24, 2008
Bonded Thru
Atlantic Bonding Co., Inc.

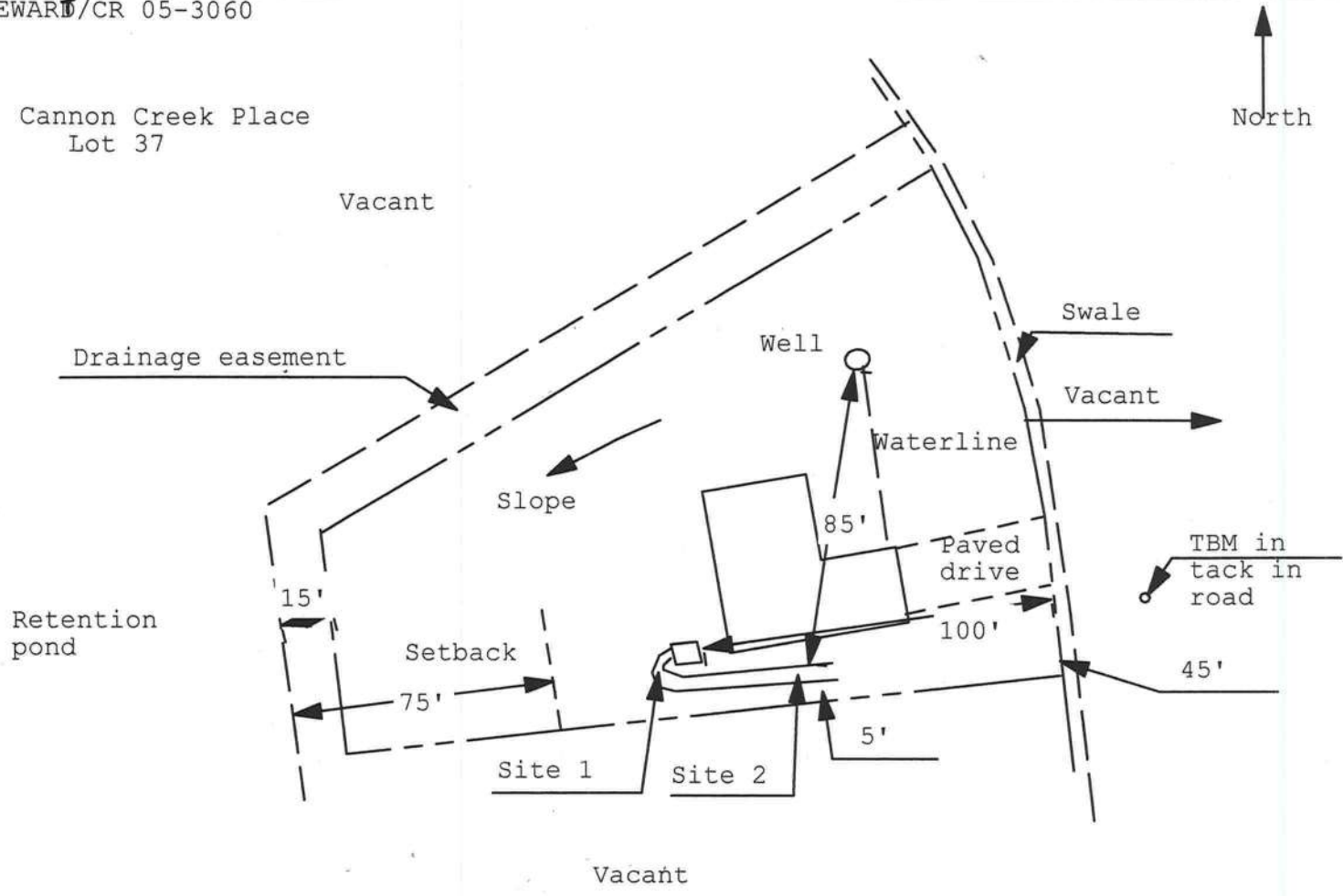
My commission expires: Mar 24, 2008
Commission No. DD303275
Personally known [Signature]
Produced ID (Type): _____

Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan

Permit Application Number: 05-0983N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

STEWART/CR 05-3060



1 inch = 50 feet

Site Plan Submitted By Paul Lloyd Date 9/5/05
Plan Approved ☒ Not Approved ☐ Date 10-1-05

By Mr. D. L. Columbis CPHU

Notes: _____

Prepared by:
Michael H. Harrell
Abstract & Title Services, Inc.
111 East Howard Street
Live Oak, Florida 32064

Warranty Deed

Individual to Individual

THIS WARRANTY DEED made the 19th day of August, 2006 by

Peter W. Glebeig

hereinafter called the grantor, to

Rob Stewart

Inst: 2006021142 Date: 08/30/2006 Time: 15:33
Doc Stamp Fee: 271.00
SC, P. 301111 Cason, Columbia County 3:1055 P:2001

whose post office address is: 807 W Duval St., Lake City, FL 32055
hereinafter called the grantee:

(Wherever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporation)

Witnesseth: That the grantor, for and in consideration of the sum of \$10.00 and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, alien, remises, releases, conveys, and confirms unto the grantee, all that certain land situate in COLUMBIA County, FLORIDA, vtz: Parcel ID#

Lot 37, of Cannon Creek Place, a Subdivision according to the plat thereof recorded in Plat Book 8, Pages 31-34, of the Public Records of Columbia County, Florida.

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

TO HAVE AND TO HOLD, the same in fee simple forever.

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

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

Signed, sealed and delivered in our presence:

Megan Marable
Witness Megan Marable

Peter W. Glebeig
Peter W. Glebeig

Traci Landry
Witness TRACI LANDRY

STATE OF FLORIDA
COUNTY OF SUWANNEE

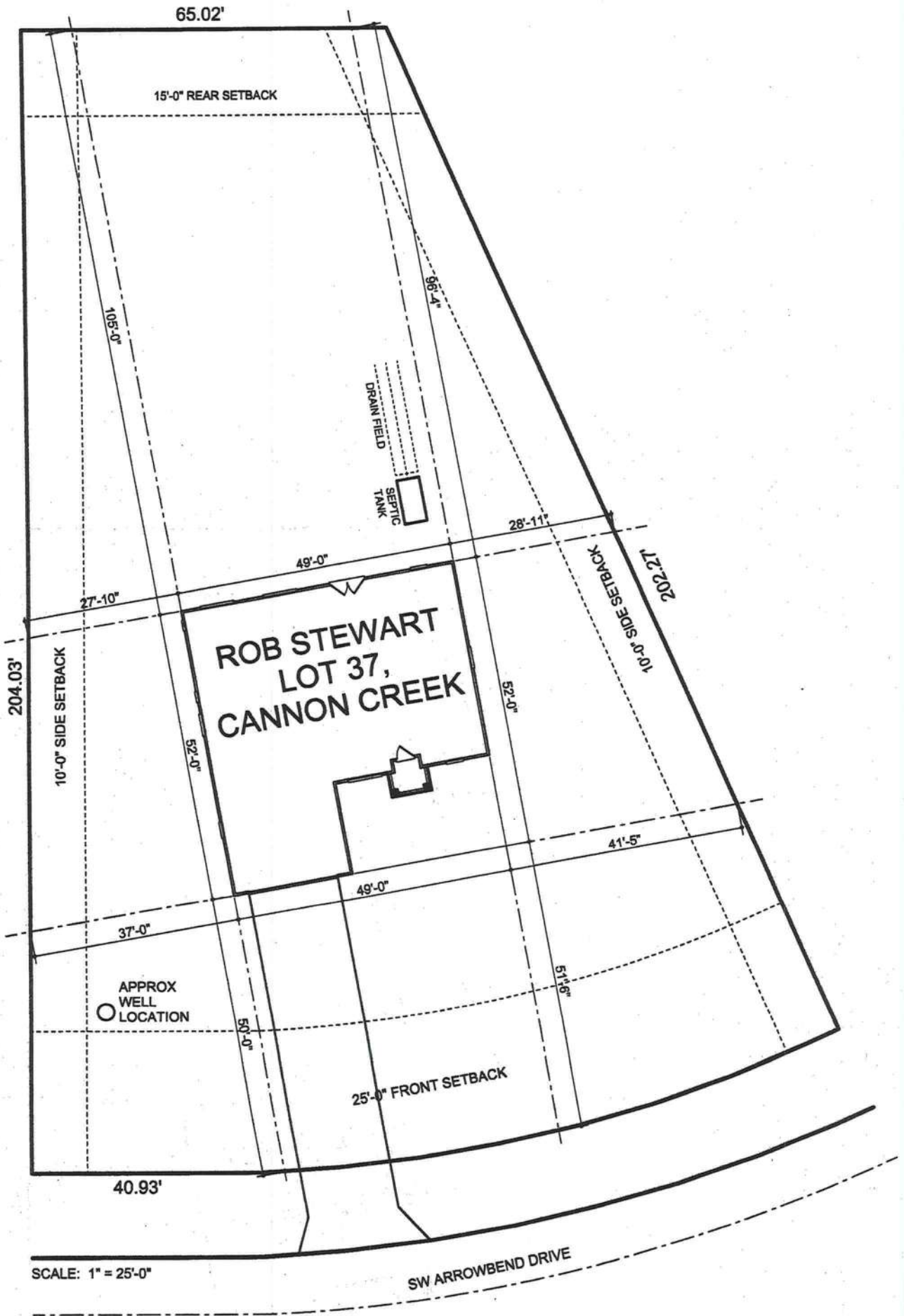
The foregoing instrument was acknowledged before me this 19th day of August, 2006 by Peter W. Glebeig personally known to me or, if not personally known to me, who produced Driver's License No. _____ for identification and who did not take an oath.

(SEAL)



Megan M. Marable
Notary Public

My Commission Expires:



FROM :

FAX NO. : 386-755-7022

Sep. 17 2002 01:52PM P1

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS



DONALD AND MARY HALL
OWNERS

PHONE (904) 752-1854
FAX (904) 755-7022
~~XXXXXXXXXXXXXXXXXXXX~~
LAKE CITY, FLORIDA 32055
904 NW Main Blvd.

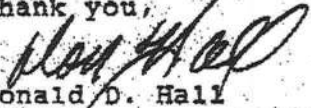
June 12, 2002

NOTICE TO ALL CONTRACTORS

Please be advised that due to the new building codes we will use a large capacity diaphragm tank on all new wells. This will insure a minimum of one (1) minute draw down or one (1) minute refill. If a smaller diaphragm tank is used then we will install a cycle stop valve which will produce the same results.

If you have any questions please feel free to call our office anytime.

Thank you,


Donald D. Hall
DDH/jk

FLORIDA ENERGY EFFICIENCY CODE
FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	Rob Stewart	Builder:	Rob Stewart
Address:	Lot: 34, Sub: Cannon Creek, Plat:	Permitting Office:	
City, State:	Lake City, FL 32025-	Permit Number:	
Owner:	Spec House	Jurisdiction Number:	
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 30.0 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)	1545 ft²		
7. Glass area & type		13. Heating systems	
a. Clear - single pane	0.0 ft²	a. Electric Heat Pump	Cap: 30.0 kBtu/hr
b. Clear - double pane	188.0 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, 172.0(p) ft	a. Electric Resistance	Cap: 50.0 gallons
b. N/A			EF: 0.90
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=13.0, 1030.0 ft²	(HR-Heat recovery, Solar	
b. Frame, Wood, Adjacent	R=13.0, 148.0 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, 1600.0 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, 40.0 ft		
b. N/A			

Glass/Floor Area: 0.12

Total as-built points: 22717
Total base points: 24256

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: Will Myers DATE: 9/14/05 I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT: DATE:	Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes. BUILDING OFFICIAL: DATE: 
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SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 34, Sub: Cannon Creek, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Overhang Type/SCOrnt Len Hgt Area X SPM X SOF = Points							
.18	1545.0	20.04	5573.1	Double, Clear	N	1.5	6.0	75.0	19.22	0.94	1353.0
				Double, Clear	W	1.5	7.7	40.0	36.99	0.95	1408.8
				Double, Clear	N	1.5	1.7	4.0	19.22	0.73	55.9
				Double, Clear	E	1.5	6.0	45.0	40.22	0.91	1652.1
				Double, Clear	S	1.5	1.7	4.0	34.50	0.53	73.8
				Double, Clear	S	1.5	6.0	20.0	34.50	0.86	590.7
				As-Built Total:188.05134.3							
WALL TYPES Area X BSPM = Points				TypeR-Value Area X SPM = Points							
Adjacent	148.0	0.70	103.6	Frame, Wood, Exterior			13.0	1030.0	1.50		1545.0
Exterior	1030.0	1.70	1751.0	Frame, Wood, Adjacent			13.0	148.0	0.60		88.8
Base Total:1178.01854.6				As-Built Total:1178.01633.8							
DOOR TYPES Area X BSPM = Points				TypeArea 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:40.0170.0				As-Built Total:40.0114.0							
CEILING TYPES Area X BSPM = Points				TypeR-Value Area X SPM X SCM = Points							
Under Attic	1545.0	1.73	2672.9	Under Attic			30.0	1600.0	1.73 X 1.00		2768.0
Base Total:1545.02672.9				As-Built Total:1600.02768.0							
FLOOR TYPES Area X BSPM = Points				TypeR-Value Area X SPM = Points							
Slab	172.0(p)	-37.0	-6364.0	Slab-On-Grade Edge Insulation			0.0	172.0(p)	-41.20		-7086.4
Raised	0.0	0.00	0.0								
Base Total:-6364.0				As-Built Total:172.0-7086.4							
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
1545.010.2115774.5				1545.010.2115774.5							

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 34, Sub: Cannon Creek, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT							
Summer Base Points: 19681.0				Summer As-Built Points: 18338.1							
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component	X	Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points	
19681.0		0.4266	8395.9	18338.1		1.000	(1.090 x 1.147 x 1.00)	0.310	1.000	7113.6	
				18338.1		1.00	1.250	0.310	1.000	7113.6	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 34, Sub: Cannon Creek, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X WPM X WOF = Points			
.18	1545.0	12.74	3543.0	Double, Clear	N	1.5	6.0	75.0	14.30	1.00	1075.3
				Double, Clear	W	1.5	7.7	40.0	10.77	1.01	436.1
				Double, Clear	N	1.5	1.7	4.0	14.30	1.02	58.2
				Double, Clear	E	1.5	6.0	45.0	9.09	1.04	423.6
				Double, Clear	S	1.5	1.7	4.0	4.03	2.57	41.4
				Double, Clear	S	1.5	6.0	20.0	4.03	1.12	90.1
				As-Built Total:							188.0
WALL TYPES											
Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Adjacent	148.0	3.60	532.8	Frame, Wood, Exterior			13.0	1030.0	3.40		3502.0
Exterior	1030.0	3.70	3811.0	Frame, Wood, Adjacent			13.0	148.0	3.30		488.4
Base Total:			1178.0	4343.8	As-Built Total:			1178.0			3990.4
DOOR TYPES											
Area X BWPM = Points				Type	R-Value			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	1545.0	2.05	3167.3	Under Attic			30.0	1600.0	2.05 X 1.00		3280.0
Base Total:			1545.0	3167.3	As-Built Total:			1600.0			3280.0
FLOOR TYPES											
Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Slab	172.0(p)	8.9	1530.8	Slab-On-Grade Edge Insulation	0.0			172.0(p)	18.80		
Raised	0.0	0.00	0.0								
Base Total:			1530.8	As-Built Total:			172.0			3233.6	
INFILTRATION											
Area X BWPM = Points							Area X WPM = Points				
			1545.0	-0.59	-911.5				1545.0	-0.59	-911.5

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 34, Sub: Cannon Creek, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT							
Winter Base Points:		12149.3		Winter As-Built Points:						12045.2	
Total Winter Points	X	System Multiplier	= Heating Points	Total Component	X	Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Heating Points
12149.3		0.6274	7622.5	12045.2		1.000	(1.069 x 1.169 x 1.00)	0.501	1.000		7548.3
				12045.2		1.00	1.250	0.501	1.000		7548.3

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 34, Sub: Cannon Creek, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT					
WATER HEATING									
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X Credit = Total Multiplier
3		2746.00	8238.0	50.0	0.90	3		1.00	2684.98 1.00 8054.9
				As-Built Total:					8054.9

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling Points	+	Heating Points	+ Hot Water Points = Total Points	Cooling Points	+	Heating Points	+ Hot Water Points = Total Points
8396		7622	8238 24256	7114		7548	8055 22717

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 34, Sub: Cannon Creek, 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* = 84.0

The higher the score, the more efficient the home.

Spec House, Lot: 34, Sub: Cannon Creek, Plat: , Lake City, FL, 32025-

1. New construction or existing New
2. Single family or multi-family Single family
3. Number of units, if multi-family 1
4. Number of Bedrooms 3
5. Is this a worst case? No
6. Conditioned floor area (ft²) 1545 ft²
7. Glass area & type
a. Clear - single pane 0.0 ft²
b. Clear - double pane 188.0 ft²
c. Tint/other SHGC - single pane 0.0 ft²
d. Tint/other SHGC - double pane 0.0 ft²
8. Floor types
a. Slab-On-Grade Edge Insulation R=0.0, 172.0(p) ft
b. N/A
c. N/A
9. Wall types
a. Frame, Wood, Exterior R=13.0, 1030.0 ft²
b. Frame, Wood, Adjacent R=13.0, 148.0 ft²
c. N/A
d. N/A
e. N/A
10. Ceiling types
a. Under Attic R=30.0, 1600.0 ft²
b. N/A
c. N/A
11. Ducts
a. Sup: Unc. Ret: Unc. AH: Garage Sup. R=6.0, 40.0 ft
b. N/A
12. Cooling systems
a. Central Unit Cap: 30.0 kBtu/hr SEER: 11.00
b. N/A
c. N/A
13. Heating systems
a. Electric Heat Pump Cap: 30.0 kBtu/hr HSPF: 6.80
b. N/A
c. N/A
14. Hot water systems
a. Electric Resistance Cap: 50.0 gallons EF: 0.90
b. N/A
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)

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

Builder Signature: Date:

Address of New Home: City/FL Zip:



*NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs. Energy Gauge® Version: FLR1PB v3.22)

23885

NOTICE OF COMMENCEMENT

TO WHOM IT MAY CONCERN:

The undersigned hereby give notice that improvements will be made to certain real property and in accordance with Chapter 713.13, Florida Statutes, the following is provided in this Notice of Commencement:

1. Construction of Single Family Dwelling, to be made to real property located at TBD SW Arrowbend Drive, Lake City, Florida 32025, more particularly described as: LOT 37, OF CANNON CREEK PLACE, A SUBDIVISION ACCORDING TO THE PLAT THEREOF IN PLAT BOOK 8, PAGES 31-34, OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.
2. The name and address of the undersigned owner is: Rob Stewart, LC, a Florida Limited Liability Company, PO Box 3001, Lake City, FL 32056.
3. The name and address of the contractor is: Rob Stewart, LC, PO Box 3001, Lake City, FL 32056.
4. The name and address of surety bond is: N/A
5. LENDER: Capital City Bank, 15000 NW 140th Street, Alachua, Florida 32615.
6. Persons within the State of Florida designated by Owner upon whom notices of other documents may be served as provided in Section 713.13(1)a.7., Florida Statutes: NONE
7. In addition to himself, Owner designates Janice Green, 15000 NW 140th Street, Alachua, Florida 32615, is also designated to receive a copy of the Lienor's Notice as provided in Section 713.06(2)(b) Florida Statutes.
8. Expiration date of Notice of Commencement (the expiration date is 1 year from the date of recording unless a different date is specified).

*Owner is used for singular or plural as context requires.

Signed, sealed and delivered in the presence:

Traci Landry
WITNESS Traci Landry
Jessica Newsome
WITNESS Jessica Newsome

Rob Stewart, LC

[Signature]
Robert S. Stewart, Managing Member

STATE OF FLORIDA
COUNTY OF COLUMBIA

Before me, personally appeared Robert S. Stewart, Managing Member of Rob Stewart, LC to me known to be the person(s) described in and who executed the foregoing instrument, and they acknowledged to and before me that they executed said instrument for the purpose therein expressed.

Witness my hand and official seal this 9th day of December, 2005.

(SEAL)



[Signature]
NOTARY PUBLIC

My Commission Expires:

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:1SQV487-Z0329090946

Truss Fabricator: Anderson Truss Company
Job Identification: 5-416-ROB STEWART / CANNON CREEK LOT37
Truss Count: 36
Model Code: Florida Building Code
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
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-A11015EC-GBLLETIN

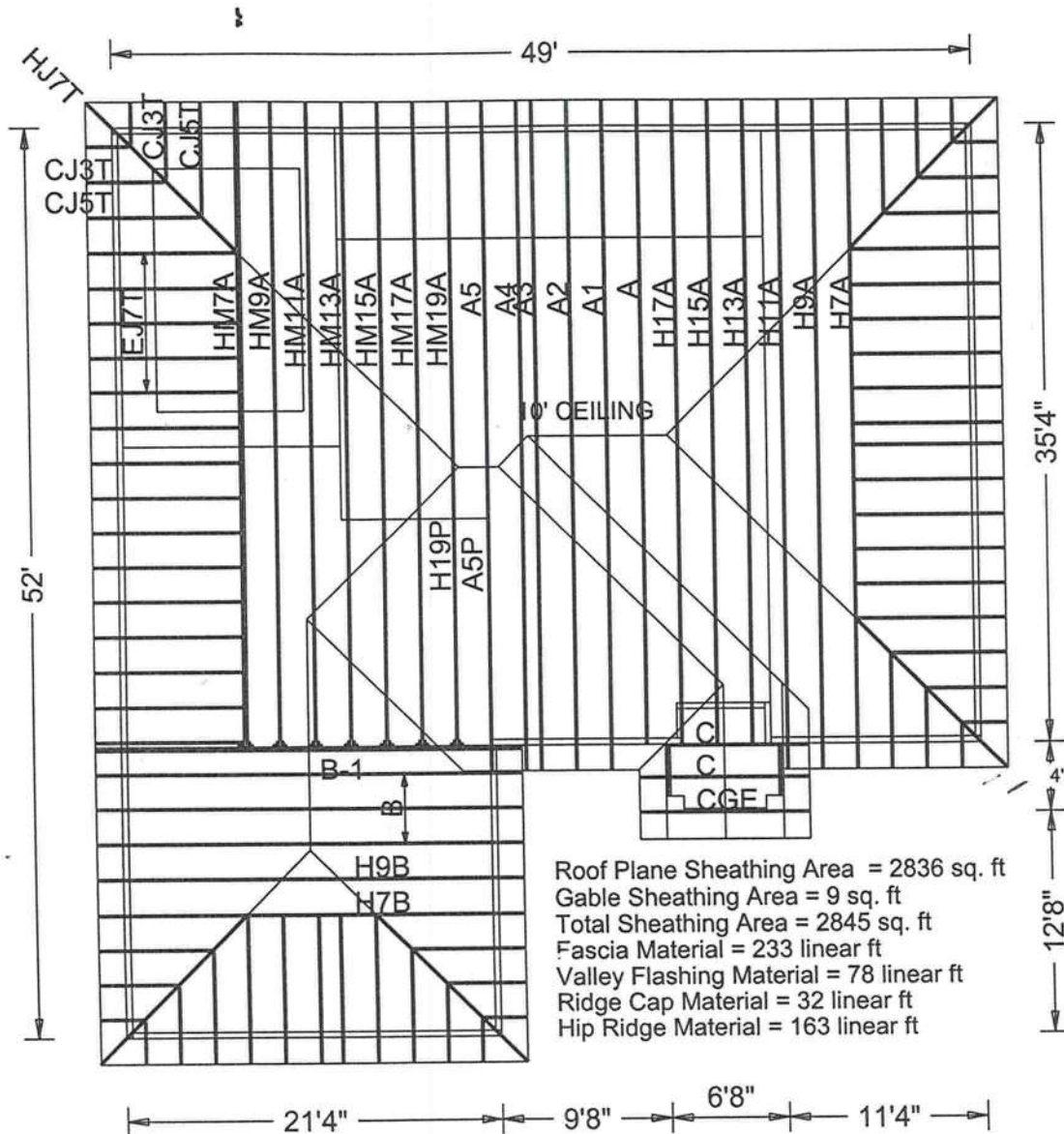


Seal Date: 09/29/2005

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

#	Ref	Description	Drawing#	Date
1	51448--A4		05271214	09/28/05
2	51449--A5		05271215	09/28/05
3	51450--HM19A		05271216	09/28/05
4	51451--HM13A		05271217	09/28/05
5	51452--HM15A		05271218	09/28/05
6	51453--HM17A		05271219	09/28/05
7	51454--A		05271220	09/28/05
8	51455--A1		05271243	09/28/05
9	51456--A2		05271221	09/28/05
10	51457--A3		05271222	09/28/05
11	51458--H13A		05271223	09/28/05
12	51459--H15A		05271224	09/28/05
13	51460--H17A		05271225	09/28/05
14	51461--H7A		05271226	09/28/05
15	51462--H9A		05271208	09/28/05
16	51463--H11A		05271209	09/28/05
17	51464--HM7A		05271227	09/28/05
18	51465--HM9A		05271228	09/28/05
19	51466--HM11A		05271229	09/28/05
20	51467--B-1		05271230	09/28/05
21	51468--B		05271210	09/28/05
22	51469--H7B		05271231	09/28/05
23	51470--H9B		05271211	09/28/05
24	51471--C		05271212	09/28/05
25	51472--CGE		05271232	09/28/05
26	51473--CJ1		05271233	09/28/05
27	51474--HJ7		05271234	09/28/05
28	51475--CJ3T		05271235	09/28/05
29	51476--CJ5T		05271236	09/28/05
30	51477--CJ3		05271213	09/28/05
31	51478--EJ7		05271237	09/28/05
32	51479--EJ7T		05271238	09/28/05
33	51480--HJ7T		05271239	09/28/05
34	51481--CJ5		05271240	09/28/05
35	51482--A5P		05271241	09/28/05
36	51483--H19P		05271242	09/28/05

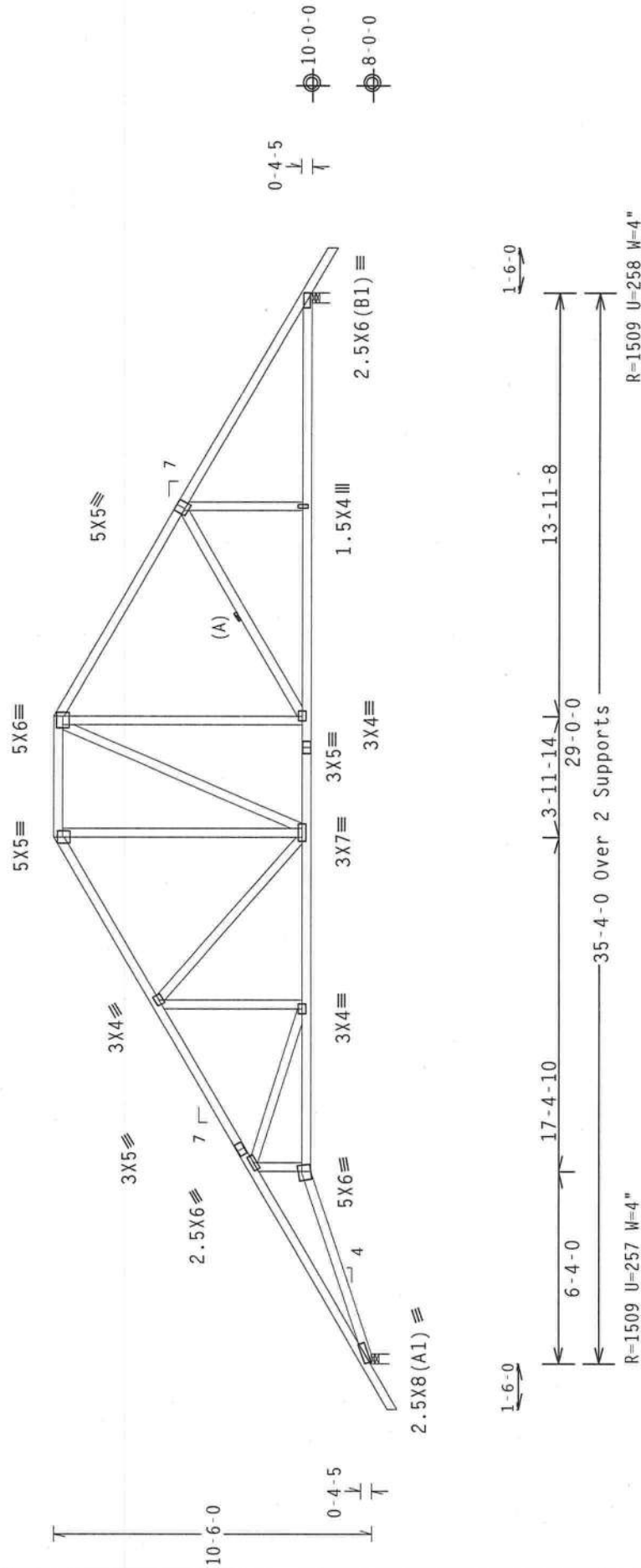




ROB STEWART / CANNON CREEK LOT37

Scale: 3/32" = 1'

(A) Continuous lateral bracing equally spaced on member.
Deflection meets L/360 live and L/240 total load.

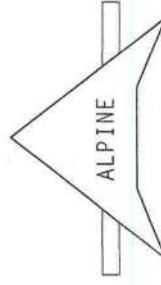


PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

F11-131-1-1R1-

$$\text{Scale} = 1875''/\text{Ft}$$


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

FL Certificate of Authorization # 567

4. **WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO REST-1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 583 MADISON AVE., SUITE 100, ST. LOUIS, MO 63102, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE ACTIONS. OTHERWISE, IMPROPER TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED FLOOT. SEEING.

* **IMPORTANT** * FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE
TRUSS IN CONFORMANCE WITH THE PROVISIONS OF THIS NATIONAL DESIGN SPEC. BY AFRAP) AND TRACING OF TROUSSES.
CONNECTIONS WITH THE TRUSS SHALL BE MADE TO THE TRUSS IN ACCORDANCE WITH THE NATIONAL DESIGN SPEC. BY AFRAP) AND TRACING OF TROUSSES.
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. A SEAL ON THIS
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A.3 OF TRP1-2002 SEC.3. A SEAL ON THIS
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT
BUILDING DESIGNER PER ANNEX 1.1 SEC. 3. USE OF THIS COMMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE
BUILDING DESIGNER PER ANNEX 1.1 SEC. 3.



SEP 29 '05

TC LL	20.0	PSF	REF	R487--	51449
TC DL	10.0	PSF	DATE	09/28/05	
BC DL	10.0	PSF	DRW	HCUSR487	05271215
BC LL	0.0	PSF	HC-ENG	JB/AF	
TOT.LD.	40.0	PSF	SEQN-	6197	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1SQV487	Z03

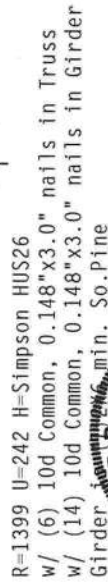
TC LL	20.0	PSF	REF	R487--	51450
TC DL	10.0	PSF	DATE	09/28/05	
BC DL	10.0	PSF	DRW	HCUSR487	05271216
BC LL	0.0	PSF	HC-ENG	JB/AF	
TOT.LD.	40.0	PSF	SEQN-	6211	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1SQV487_Z03	

110 mph wind, 11.71 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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

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.



08-15-ENCLOSURE: 1

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN COMPLIANCE WITH THE FOLLOWING PROVISIONS (NOTIONAL DESIGN SPEC. BY AIA) AND THE TYPE OF TRUSS COMPOSITION SHALL BE THE RESPONSIBILITY OF THE BUILDING DESIGNER. TP1 SHALL BE THE SAME AS THE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE NOTED, TP1 SHALL BE 1/2" X 12" X 1/2" STEEL. PER DRAMINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN A3 OF TP1-2002 SEC. 3.2. A SEAL ON THIS BRACING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF THIS CONVENT. OF THIS CONVENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMERICAN A3 OF TP1-2 SEC. 2.

FL Certificate of Authorization # 567

TC LL	20.0	PSF	REF	R487 --	51451
TC DL	10.0	PSF	DATE	09/28/05	
BC DL	10.0	PSF	DRW	HCHSR487	05271217
BC LL	0.0	PSF	HC-ENG	JB/AF	
TOT.LD.	40.0	PSF	SEQN-	12777	
DUR.FAC.	1.25				
SPACING	24.0"				JREF- 1SQV487_Z03

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

110 mph wind, 12.30 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

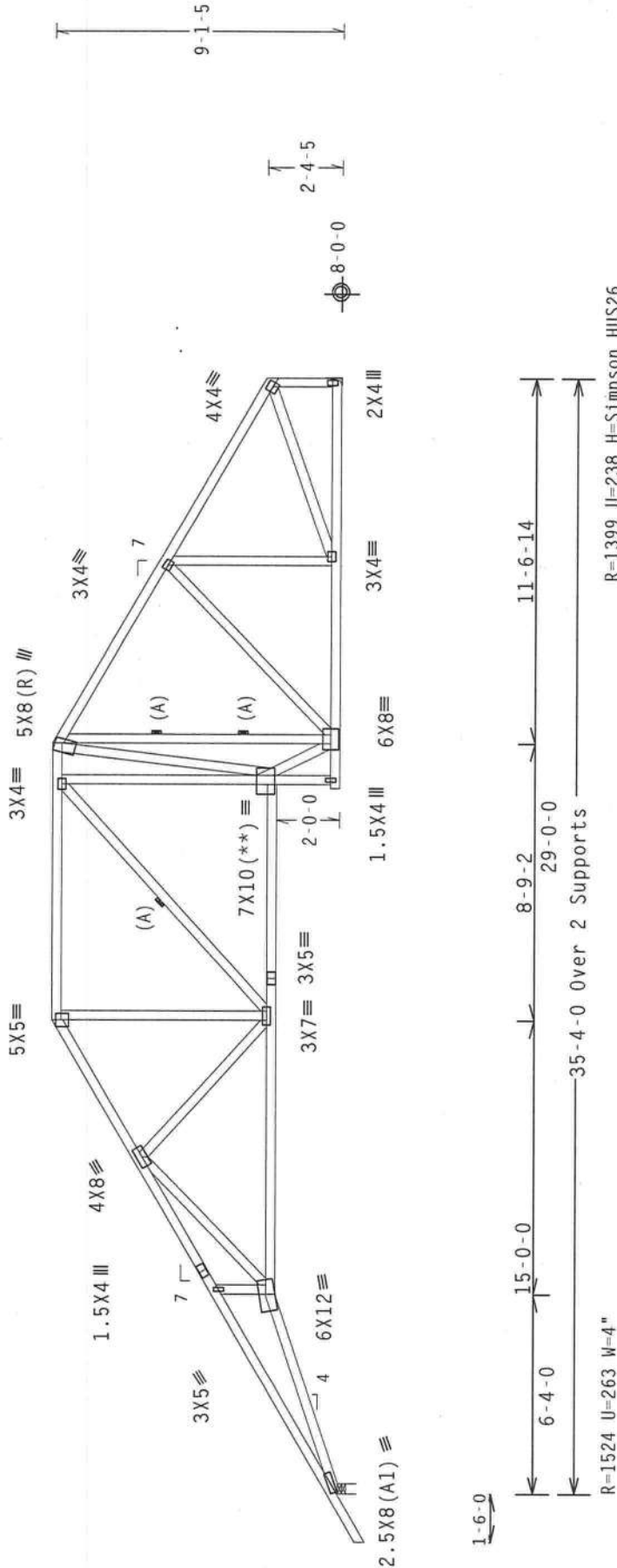
Calculated horizontal deflection is 0.22" due to live load and 0.22" due to dead load.

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

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

(**) Plate relocated as shown.

Right end vertical not exposed to wind pressure.
(A) Continuous lateral bracing equally spaced on member.



R=1399 U=238 H=Stimpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
(14) 10d Common, 0.148"x3.0" nails in Girder
Truss is (1)2X6 min. So.Pine

PLT TYP. Wave TPI	ALPINE Alpine Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844 FL Certificate of Authorization # 567	Design Crit: TPI-1995 (STD)/FBC		7.04.00	FL/-/3/-/-/R/-	Scale = .1875" / Ft.		
		WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 983 D'ORFORD 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.		TPI-1995 (STD)/FBC		7.04.00	TC LL	20.0 PSF
		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-1995 (STD)/FBC OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING, DESIGN OR CONSTRUCTION OF THIS TRUSS SHALL BE THE RESPONSIBILITY OF THE FABRICATOR. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1995 (STD)/FBC OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING, DESIGN OR CONSTRUCTION OF THIS TRUSS SHALL BE THE RESPONSIBILITY OF THE FABRICATOR. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1995 (STD)/FBC OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING, DESIGN OR CONSTRUCTION OF THIS TRUSS SHALL BE THE RESPONSIBILITY OF THE FABRICATOR.		TPI-1995 (STD)/FBC		7.04.00	TC DL	10.0 PSF
		ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1995 (STD)/FBC OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING, DESIGN OR CONSTRUCTION OF THIS TRUSS SHALL BE THE RESPONSIBILITY OF THE FABRICATOR. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1995 (STD)/FBC OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING, DESIGN OR CONSTRUCTION OF THIS TRUSS SHALL BE THE RESPONSIBILITY OF THE FABRICATOR. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1995 (STD)/FBC OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING, DESIGN OR CONSTRUCTION OF THIS TRUSS SHALL BE THE RESPONSIBILITY OF THE FABRICATOR.		TPI-1995 (STD)/FBC		7.04.00	BC DL	10.0 PSF
		ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1995 (STD)/FBC OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING, DESIGN OR CONSTRUCTION OF THIS TRUSS SHALL BE THE RESPONSIBILITY OF THE FABRICATOR. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1995 (STD)/FBC OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING, DESIGN OR CONSTRUCTION OF THIS TRUSS SHALL BE THE RESPONSIBILITY OF THE FABRICATOR. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1995 (STD)/FBC OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING, DESIGN OR CONSTRUCTION OF THIS TRUSS SHALL BE THE RESPONSIBILITY OF THE FABRICATOR.		TPI-1995 (STD)/FBC		7.04.00	BC LL	0.0 PSF
		ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1995 (STD)/FBC OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING, DESIGN OR CONSTRUCTION OF THIS TRUSS SHALL BE THE RESPONSIBILITY OF THE FABRICATOR. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1995 (STD)/FBC OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING, DESIGN OR CONSTRUCTION OF THIS TRUSS SHALL BE THE RESPONSIBILITY OF THE FABRICATOR. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1995 (STD)/FBC OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING, DESIGN OR CONSTRUCTION OF THIS TRUSS SHALL BE THE RESPONSIBILITY OF THE FABRICATOR.		TPI-1995 (STD)/FBC		7.04.00	TOT.LD.	40.0 PSF
ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1995 (STD)/FBC OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING, DESIGN OR CONSTRUCTION OF THIS TRUSS SHALL BE THE RESPONSIBILITY OF THE FABRICATOR. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1995 (STD)/FBC OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING, DESIGN OR CONSTRUCTION OF THIS TRUSS SHALL BE THE RESPONSIBILITY OF THE FABRICATOR. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1995 (STD)/FBC OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING, DESIGN OR CONSTRUCTION OF THIS TRUSS SHALL BE THE RESPONSIBILITY OF THE FABRICATOR.		TPI-1995 (STD)/FBC		7.04.00	DUR.FAC.	1.25		
ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1995 (STD)/FBC OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING, DESIGN OR CONSTRUCTION OF THIS TRUSS SHALL BE THE RESPONSIBILITY OF THE FABRICATOR. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1995 (STD)/FBC OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING, DESIGN OR CONSTRUCTION OF THIS TRUSS SHALL BE THE RESPONSIBILITY OF THE FABRICATOR. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1995 (STD)/FBC OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING, DESIGN OR CONSTRUCTION OF THIS TRUSS SHALL BE THE RESPONSIBILITY OF THE FABRICATOR.		TPI-1995 (STD)/FBC		7.04.00	SPACING	24.0"		
ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1995 (STD)/FBC OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING, DESIGN OR CONSTRUCTION OF THIS TRUSS SHALL BE THE RESPONSIBILITY OF THE FABRICATOR. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1995 (STD)/FBC OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING, DESIGN OR CONSTRUCTION OF THIS TRUSS SHALL BE THE RESPONSIBILITY OF THE FABRICATOR. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1995 (STD)/FBC OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING, DESIGN OR CONSTRUCTION OF THIS TRUSS SHALL BE THE RESPONSIBILITY OF THE FABRICATOR.		TPI-1995 (STD)/FBC		7.04.00	JREF -	1SQV487_Z03		

No. 59887

STATE OF FLORIDA

PROFESSIONAL ENGINEER

Sep 29 '05

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

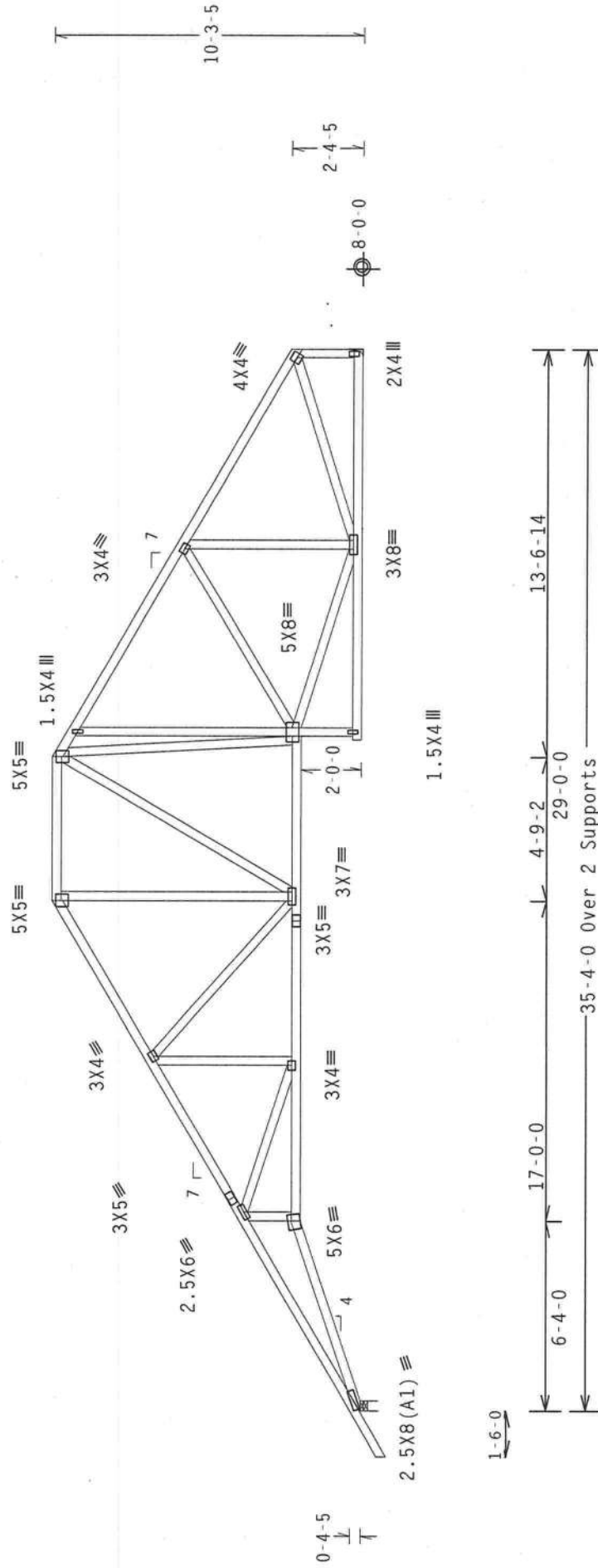
110 mph wind, 12.88 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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

Right end vertical not exposed to wind pressure.

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



R-1399 U=235 H=Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

PLT_TYP: Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04.08

QUANTITY: 1 FILE: 131-1-1R1-

$$\text{Scale} = 1875'' / \text{E+}$$

*WARNING** TROSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. SEE DESIGN 1-103 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE (TROSS) PLATE INSTITUTE, 503 O'LEARY BLVD., ST. LOUIS, MO 63103. FOR THE TROSS COMPANY, 6300 ENTERPRISE LN., ST. LOUIS, MO 63110. FOR THE TROSS GROUP, 10000 W. 11TH AVE., SUITE 200, OVERLAND PARK, KS 66204. FOR SAFETY PROPERTIES, 4000 W. 11TH AVE., SUITE 200, OVERLAND PARK, KS 66204. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED TOP CHORD CEILING.

****IMPORTANT**** TURN OVER A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.
***PRODUCTS:** INC. SHALL NOT BE RESPONSIBLE FOR ANY INSTALLATION ERRORS OR ANY FAILURE OF THE BRUSSES IN CONFORMANCE WITH THE FOLLOWING:
 • OR FABRICATING, HANDLING, SHIPPING, INSTALLING & TRACING ALPINE
 OF DESIGN CONFORMS WITH NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TYPE I
 CONNECTOR PLATES ARE MADE OF 2017/16GA. (N/A) ASTM A563 GRADE 40/60 (W. 8/16 S.) GALV. STEEL.
 PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED IN THIS POSITION PER DRAWINGS T60A-2.
 ACCEPTANCE OF THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE USER.
 THE STABILITY AND USE OF THIS CONNECTION FOR ANY BUILDING IS THE RESPONSIBILITY OF THE
 DESIGN ENGINEER.



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

FL Certificate of Authorization # 567

TC LL	20.0 PSF	REF	R487 - -	51453
TC DL	10.0 PSF	DATE	09/28/05	
BC DL	10.0 PSF	DRW	HCUSR487	05271219
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	12817	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	150V487	703

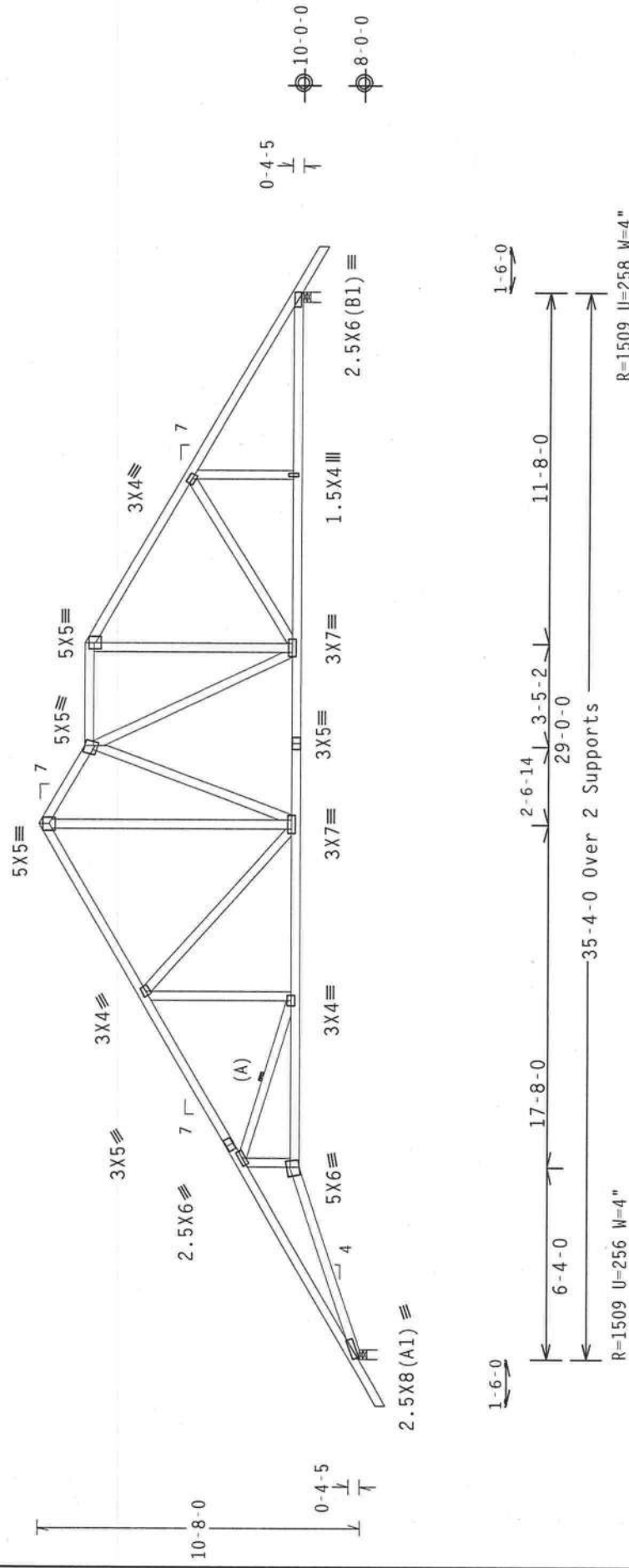
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TC DL	10.0	PSF	DATE 09/28/05
BC DL	10.0	PSF	DRW HCUR487 05271243
BC LL	0.0	PSF	HC-ENG JB/AF
TOT.LD.	40.0	PSF	SEQN 6166
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1SQV487 Z03

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

110 mph wind, 13.07 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Calculated horizontal deflection is 0.14" due to live load and 0.13" due to dead load.

(A) Continuous lateral bracing equally spaced on member.
Deflection meets L/360 live and L/240 total load.



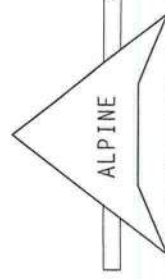
PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04 0

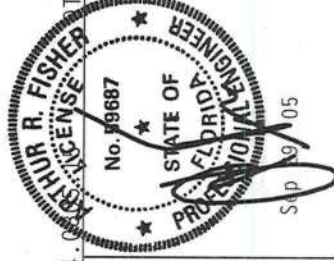
FI 1-131-1-181-

SC310 - 107E" / E+



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

Haines City, FL 33844
FL Certificate of Authorization # 567

[illegible][illegible]

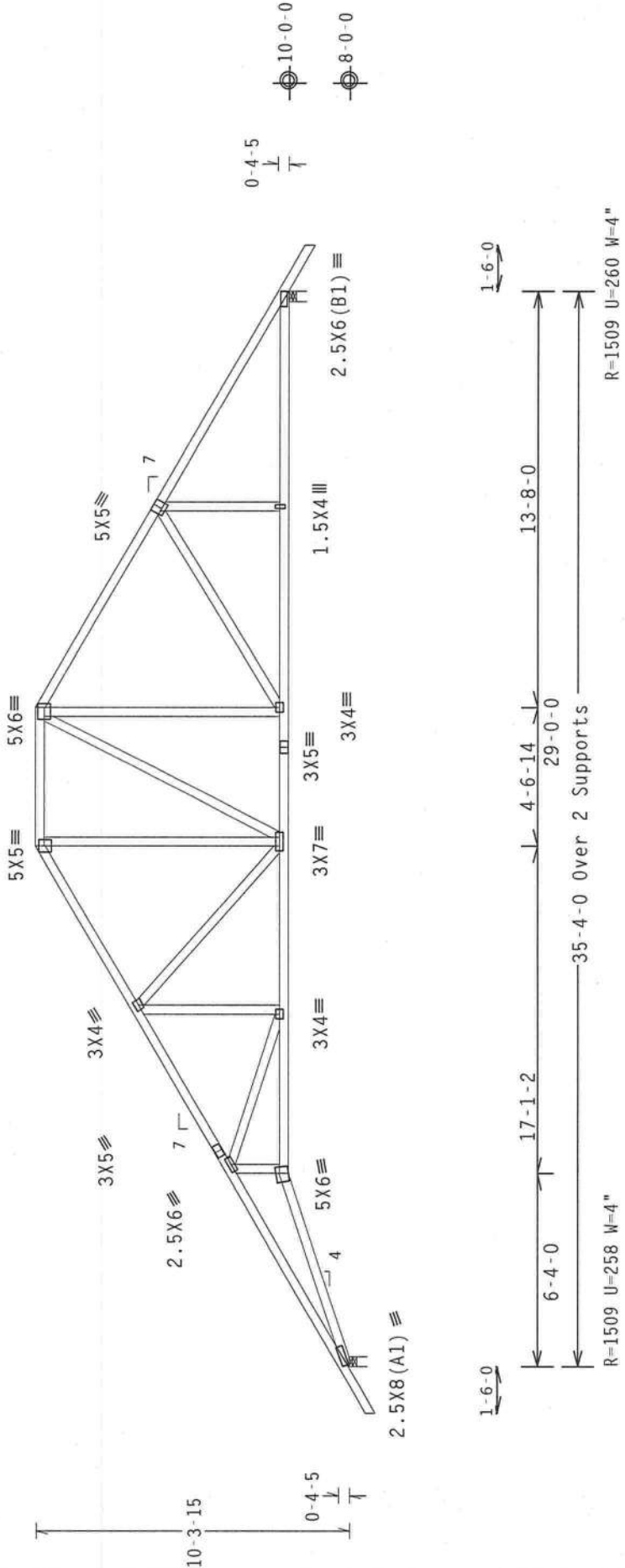
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TC DL	10.0	PSF	DATE	09/28/05	
BC DL	10.0	PSF	DRW	HCUSR487	05271221
BC LL	0.0	PSF	HC-ENG	JB/AF	
TOT.LD.	40.0	PSF	SEQN-	6171	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1SQV487	Z03

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

110 mph wind, 12.91 ft mean hgt, ASCE 7-98, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind
BC DL=5.0 psf.

Calculated horizontal deflection is 0.13" due to live load and 0.13" due
to dead load.

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



PLT TYP. Wave TPI

Design Crit: TPI-1995 (STD) / FBC

7.04.05

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

Scale = .1875" / Ft.

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

ALPINE

ENGINEER

PROFESSIONAL

STATE OF FLORIDA

No. 59687

ASHUR R. FISHER

7.04.05

FL Certificate of Authorization # 567

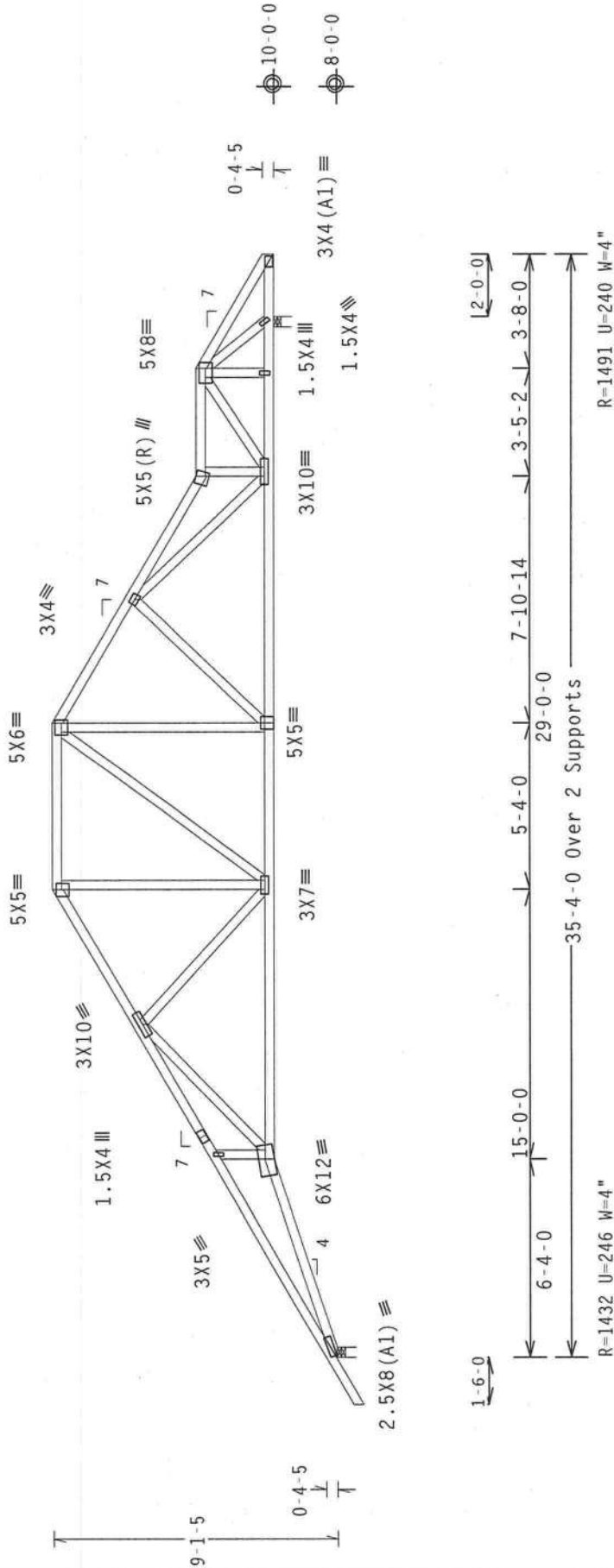
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TC DL	10.0 PSF	DATE	09/28/05
BC DL	10.0 PSF	DRW	HCUSR487 05271222
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	6176
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SQV487_Z03

100

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

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

110 mph wind, 12.30 ft mean hgt, ASCE 7-98, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind
BC DL=5.0 psf.

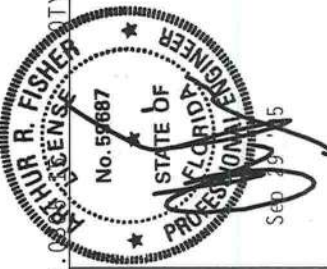


PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

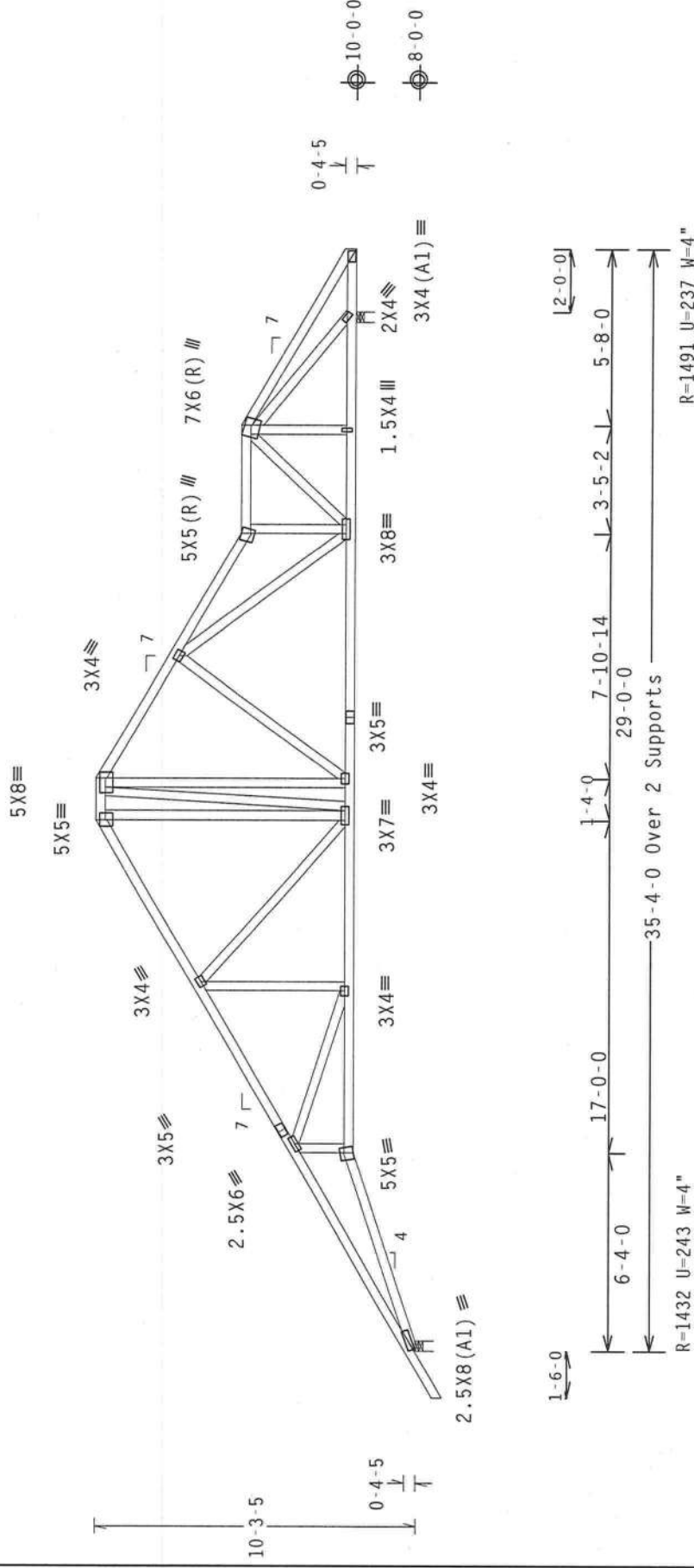
Scale = .1875"/Ft.

 Alpine Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844 FL Certificate of Authorization # 567	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (M-N/S/R) ASTM A653 GRADE 40/60 (M, K/N-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 FOR THE DESIGN COMPONENT OF THIS DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.	
	IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (M-N/S/R) ASTM A653 GRADE 40/60 (M, K/N-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 FOR THE DESIGN COMPONENT OF THIS DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.	
		
	TC LL	20.0 PSF
	TC DL	10.0 PSF
	BC DL	10.0 PSF
	BC LL	0.0 PSF
	TOT.LD.	40.0 PSF
	DUR.FAC.	1.25
	SPACING	24.0"
	JREF	1SQV487_Z03

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

110 mph wind, 12.88 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



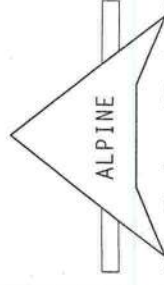
PLT TYP. Wave TPT

Design Crit.: TPI-1995 (STD) / ERC

7

EI 1-131-1-101-

COOL - 107E" / FT



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

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO HC51 - SUITE 200 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 5835 DORCHESTER 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 ENGINEERING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR CONSTRUCTION FROM THIS DESIGN. ANY FAILURE TO BUILD TRUSS IN CONFORMANCE WITH THE PROVISIONS OF THIS DESIGN SHALL BE THE SOLE RESPONSIBILITY OF THE TRUSS FABRICATOR. PROVIDE ALL NECESSARY INFORMATION AND APPLICATIONS TO THE TRUSS FABRICATOR. THE TRUSS FABRICATOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND APPROVALS REQUIRED BY THE LOCAL, STATE AND FEDERAL AUTHORITIES. THE TRUSS FABRICATOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION AND APPLICATIONS TO THE TRUSS FABRICATOR. THE TRUSS FABRICATOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND APPROVALS REQUIRED BY THE LOCAL, STATE AND FEDERAL AUTHORITIES. THE TRUSS FABRICATOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION AND APPLICATIONS TO THE TRUSS FABRICATOR. THE TRUSS FABRICATOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND APPROVALS REQUIRED BY THE LOCAL, STATE AND FEDERAL AUTHORITIES.



TC LL	20.0 PSF	REF R487 -- 51460
TC DL	10.0 PSF	DATE 09/28/05
BC DL	10.0 PSF	DRW HCUR487 05271225
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 6149
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQV487_Z03

(5-416-ROB STEWART / CANNON CREEK LOT37 - H7A)

Top chord 2x4 SP #2 Dense :T2, T3 2x6 SP #2:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

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

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

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

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04.00

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

Scale = .1875" / Ft.

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

FL Certificate of Authorization # 567

AGATHIR A. FISHER
No. 59887
Professional Engineer
State of Florida
Sep 2 '05

AGATHIR A. FISHER
No. 59887
Professional Engineer
State of Florida
Sep 2 '05

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

REF R487-- 51461
DATE 09/28/05
DRW HCUSR487 05271226
HC-ENG JB/AF
SEQN- 6107
JREF- 1SQV487_Z03

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



7.04

Scale = .1875"/Ft.

	TC LL	20.0 PSF	REF R487--	51462
	TC DL	10.0 PSF	DATE	09/28/05
	BC DL	10.0 PSF	DRW HCURS487	05271208
	BC LL	0.0 PSF	HC-ENG JB/AF	*
	TOT.LD.	40.0 PSF	SEQN-	6131
DUR.FAC.	1.25			
SPACING	24.0"		JREF -	1SQV487_Z03

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. PER ANSI T1 (BUILDING CODES) (CONSTRUCTION). THE FOLLOWING INFORMATION IS BEING PROVIDED FOR YOUR INFORMATION ONLY. IT IS NOT TO BE USED AS A SUBSTITUTE 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, INCORPORATED SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD OR CONSTRUCT IN ACCORDANCE WITH THE DESIGN SPECIFICATIONS SHALL BE THE RESPONSIBILITY OF THE USER. THE DESIGN COMPLIES WITH APPLICABLE PROVISIONS OF AISI NATIONAL DESIGN SPEC. BY AFEPD) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/T6GA (IN W/S/V) ASTM A653 GRADE 40/60 (UL K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-72.

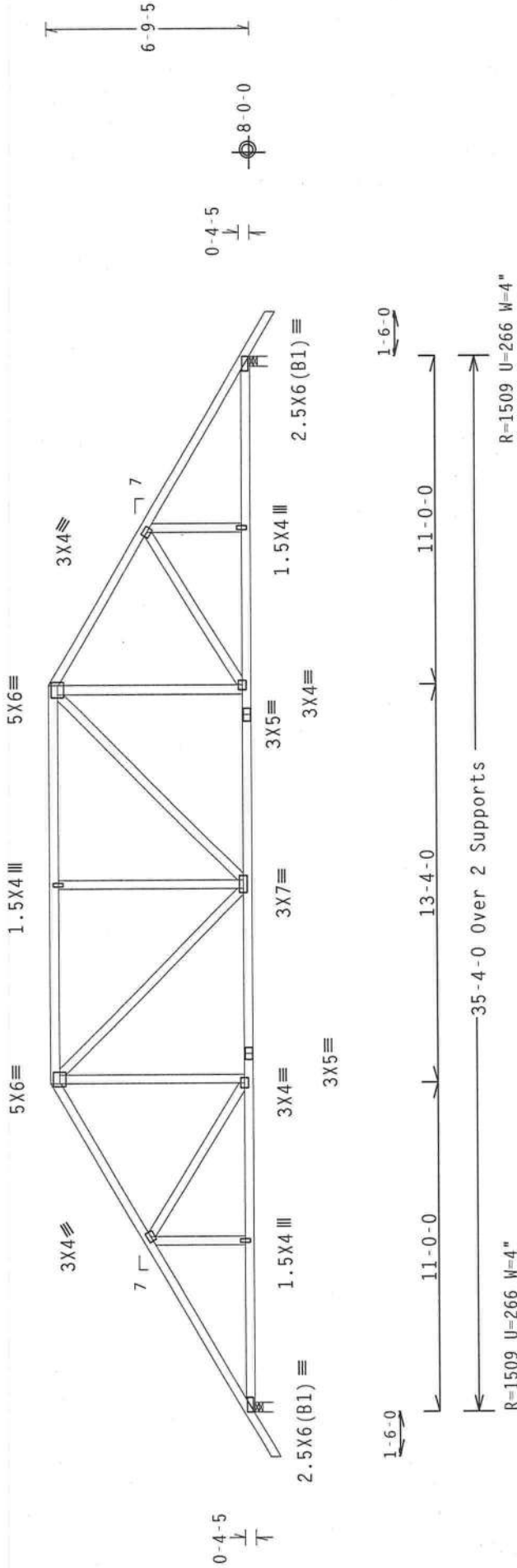
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A.3 OF TPI-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

SND 29 '05

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

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

110 mph wind, 11.13 ft mean hgt, ASCE 7-98, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind
BC DL=5.0 psf.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

QTY: 1

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

Scale = .1875"/Ft.

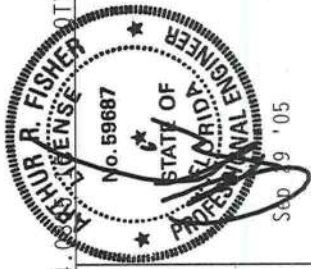
ALPINE

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

FL Certificate of Authorization # 567

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), TRUSSING, INSTALLING & BRACING OF TRUSSES, 0-000000 DR... SUITE 200, 1050 MARLEY DRIVE, HAINES CITY, FL 33844, FOR THE LATEST PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (M-H/S/K) ASTM A653 GRADE 40/60 (M, K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3 FOR THE TRUSS WORKMAN. BRACING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY AND SHALL BE FOR THE TRUSS WORKMAN DESIGNER. 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 --	51463
TC DL	10.0 PSF	DATE	09/28/05	
BC DL	10.0 PSF	DRW	HCUSR487	05271209
BC LL	0.0 PSF	HC-ENG	JB/AF	*
TOT.LD.	40.0 PSF	SEQN	6120	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SQV487_Z03	

Top chord 2x6 SP #2 :T1 2x8 SP SS:
Bot chord 2x6 SP #2
Webs 2x4 SP #3 :W6 2x4 SP #2 Dense:

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

Calculated horizontal deflection is 0.18" due to live load and 0.19" due to dead load.

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.

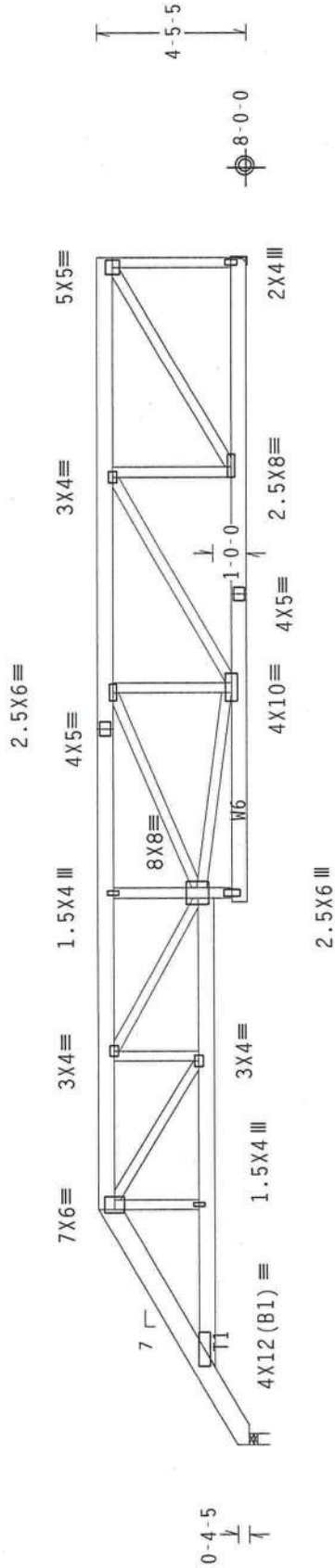
2 COMPLETE TRUSSES REQUIRED

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

Right end vertical not exposed to wind pressure.

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

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



L2-4-0

L 4-8-0

28-4-0

35-4-0 Over 2 Supports

R=2838 U=510 W=4"

R-2995 U=535 H-Simpson HHUS26-2
w/ (6) 16d, 0.162"x2.5" nails in Truss
w/ (14) 16d, 0.162"x2.5" nails in Girder
Girder is (2)2X6 min. So.Pine

PLT TYP. Wave TPI	Design Crit: TPI-1995(STD)/FBC		7.04.00	FL/-3/-1/-R/-	Scale =.1875"/Ft.
	R-2995 U=535 H-Simpson HHUS26-2 w/ (6) 16d, 0.162"x2.5" nails in Truss w/ (14) 16d, 0.162"x2.5" nails in Girder Girder is (2)2X6 min. So.Pine		TC LL	20.0 PSF	REF R487-- 51464
			TC DL	10.0 PSF	DATE 09/28/05
			BC DL	10.0 PSF	DRW HCUSR487 05271227
			BC LL	0.0 PSF	HC-ENG JB/AF
 Alpine Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844 FL Certificate of Authorization # 567			TOT.LD.	40.0 PSF	SEON- 12693
			DUR.FAC.	1.25	
			SPACING	24.0"	JREF- 1SQV487_Z03



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BUILDING INFORMATION SYSTEMS) FOR TRUSS COUNCIL OF AMERICA, EXISTING ENTERPRISE, INC., 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 TPI1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI1. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (N-H/S/K) ASTM A653 GRADE 40/60 (W, K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE PER AMEX A3 OF TPI1-2002 SEC.3.1. A SEAL ON THIS DESIGN INDICATES THE DESIGNER'S ACCEPTANCE OF THE DESIGN. THE SEAL IS THE PROPERTY OF THE DESIGNER. THE SEAL IS THE PROPERTY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Top chord 2x4 SP #2 Dense : T1 2x8 SP SS:

Bot chord 2x4 SP #2 Dense

Webb	2x4	SP	#3
Webb	2x4	SP	#3

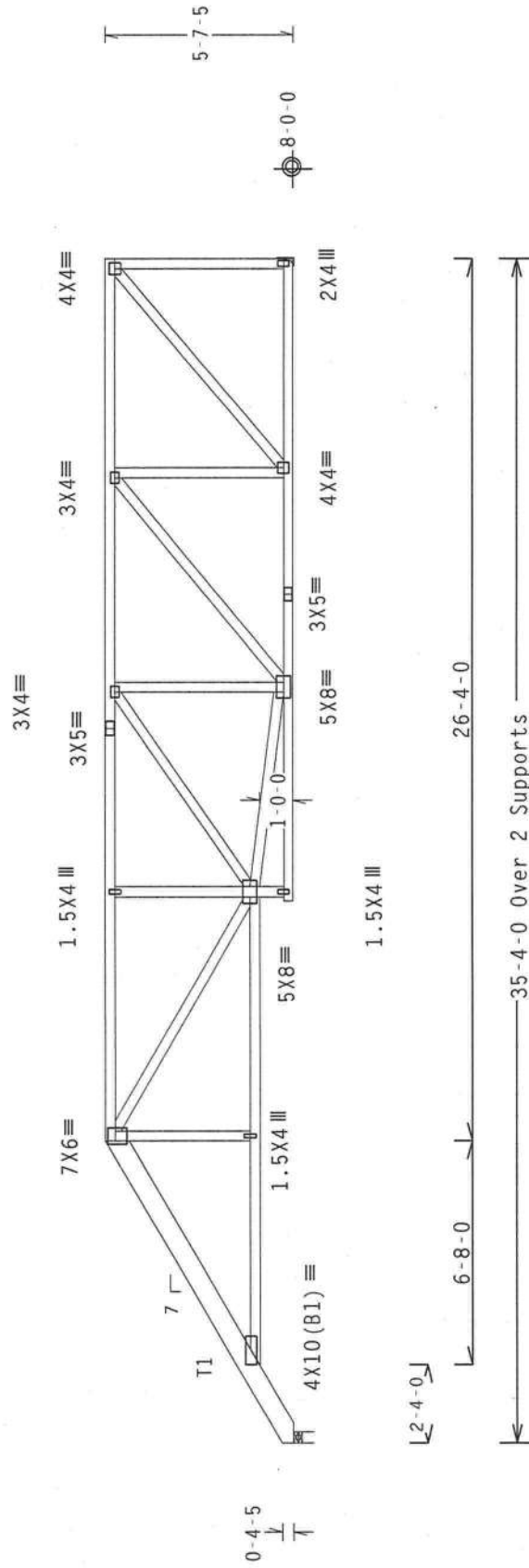
110 mph wind, 10.98 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Calculated horizontal deflection is 0.19" due to live load and 0.18" due to dead load.

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

Right end vertical not exposed to wind pressure.

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



R=1427 II=234 W=4"

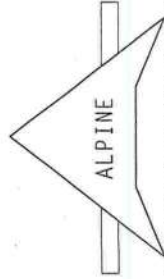
R=1400 U=269 H=Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0
w/ (14) 10d Common, 0.148"x3.0
Girder is (1)2X6 min. So.Pine

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04.0

Scale = .1875"/Ft.



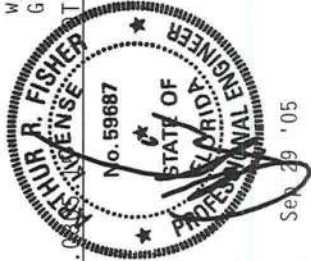
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

FL Certificate of Authorization # 567
Haines City, FL 33844

****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER BEST PRACTICES FOR INFORMATION ON FABRICATING AND BRACING THESE COUNCIL OF AMERICA'S GOOD ENTERPRISE, INC. DESIGN, AT 5371919, 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 TOP CHORD SHELLING.

PRODUCTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALTHOUGH ENGINEER'S DESIGN CONFORMS WITH TPI's OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH TPI's OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMANCE WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC.) BY AREA) AND TPI'S, THE ENGINEER SHALL NOT BE RESPONSIBLE FOR SUCH FAILURE.

**SPECIFICATIONS TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRANINGS 160A-Z. ANY APPLICATION OF PLATES FOLLOWED BY (I) SHALL BE PER APPENDIX A3 OF TPI-2002 SEC.2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESCRIBED HEREON. NO USE OF THIS COMMENTARY FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ARTICLE 1111.1 SEC. 2.



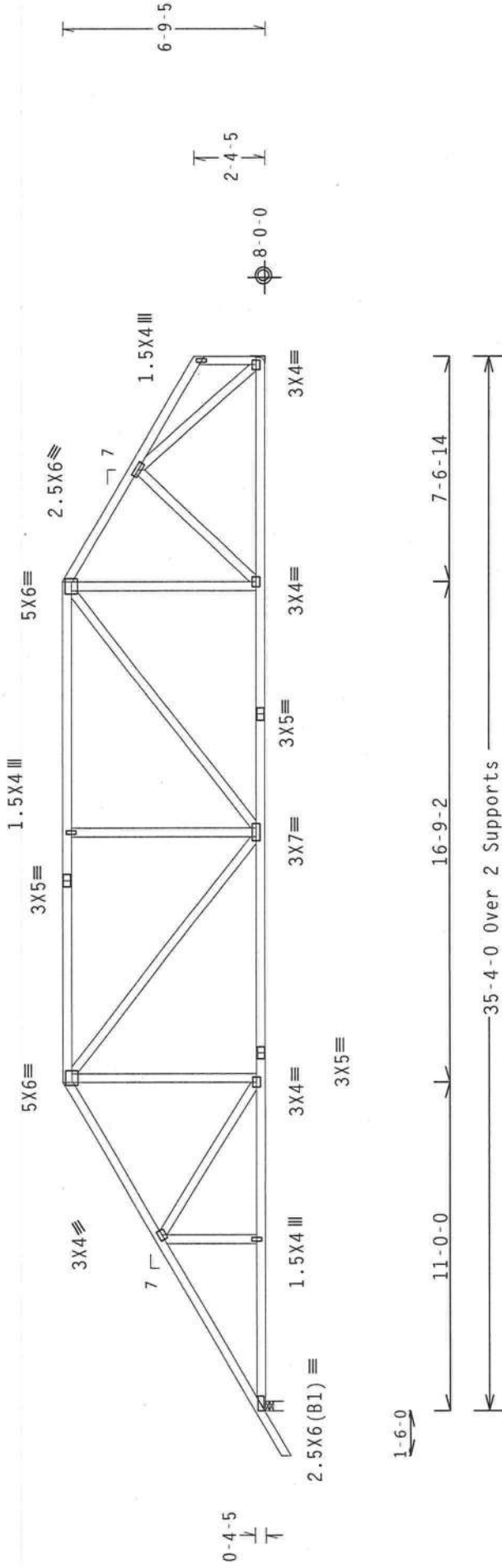
TC LL	20.0	PSF	REF	R487 --	51465
TC DL	10.0	PSF	DATE	09/28/05	
BC DL	10.0	PSF	DRW	HCUSR487	05271228
BC LL	0.0	PSF	HC-ENG	JB/AF	
TOT.LD.	40.0	PSF	SEQN-	12708	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1SQV487_Z03	

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

110 mph wind, 11.13 ft mean hgt, ASCE 7-98, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind
BC DL=5.0 psf.

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.



R-1399 U=244 H-Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder: 1.5x4, 2.5x6, 3x4, 3x5, 3x7, 3x8, 3x9, 3x10, 3x11, 3x12, 3x13, 3x14, 3x15, 3x16, 3x17, 3x18, 3x19, 3x20, 3x21, 3x22, 3x23, 3x24, 3x25, 3x26, 3x27, 3x28, 3x29, 3x30, 3x31, 3x32, 3x33, 3x34, 3x35, 3x36, 3x37, 3x38, 3x39, 3x40, 3x41, 3x42, 3x43, 3x44, 3x45, 3x46, 3x47, 3x48, 3x49, 3x50, 3x51, 3x52, 3x53, 3x54, 3x55, 3x56, 3x57, 3x58, 3x59, 3x60, 3x61, 3x62, 3x63, 3x64, 3x65, 3x66, 3x67, 3x68, 3x69, 3x70, 3x71, 3x72, 3x73, 3x74, 3x75, 3x76, 3x77, 3x78, 3x79, 3x80, 3x81, 3x82, 3x83, 3x84, 3x85, 3x86, 3x87, 3x88, 3x89, 3x90, 3x91, 3x92, 3x93, 3x94, 3x95, 3x96, 3x97, 3x98, 3x99, 3x100, 3x101, 3x102, 3x103, 3x104, 3x105, 3x106, 3x107, 3x108, 3x109, 3x110, 3x111, 3x112, 3x113, 3x114, 3x115, 3x116, 3x117, 3x118, 3x119, 3x120, 3x121, 3x122, 3x123, 3x124, 3x125, 3x126, 3x127, 3x128, 3x129, 3x130, 3x131, 3x132, 3x133, 3x134, 3x135, 3x136, 3x137, 3x138, 3x139, 3x140, 3x141, 3x142, 3x143, 3x144, 3x145, 3x146, 3x147, 3x148, 3x149, 3x150, 3x151, 3x152, 3x153, 3x154, 3x155, 3x156, 3x157, 3x158, 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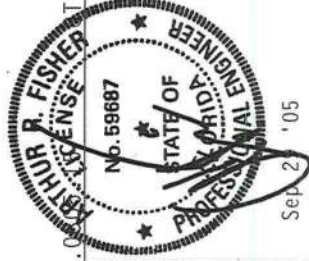
	#1 Dense:	#2 Dense:
Webs	2x4 SP	:W5 2x4 SP

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

	(LUMBER LOADS)	DUR.FAC.=1.25	/ PLATE DUR.	FAC.=1.25)
TC -	From	60 PLF at -1.50 to	60 PLF at 22.83	
BC -	From	4 PLF at -1.50 to	4 PLF at 0.00	
BC -	From	20 PLF at 0.00 to	20 PLF at 21.33	
BC -	From	4 PLF at 21.33 to	4 PLF at 22.83	
BC -	1399 LB Conc.	Load at 2.27,	4.27, 6.27, 8.27,	
BC -	1400 LB Conc.	Load at 12.27,		
BC -	2995 LB Conc.	Load at 14.21		

BC -	From	20 PLF at 0.00	20 PLF at 21.33
BC -	From	4 PLF at 21.33 to	4 PLF at 22.83
BC -	1399 LB Conc.	Load at 2.27,	4.27, 6.27, 8.27, 10.27
BC -	1400 LB Conc.	Load at 12.27	
BC -	2995 LB Conc.	Load at 14.21	

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



7.04.05

Scale = .3125"/Ft.

	TC LL	20.0	PSF	REF R487 -- 51467
	TC DL	10.0	PSF	DATE 09/28/05
	BC DL	10.0	PSF	DRW HCUR487 05271230
	BC LL	0.0	PSF	HC-ENG JB/AF
	TOT.LD.	40.0	PSF	SEQN - 12831
	DUR.FAC.	1.25		
	SPACING	24.0"		JREF - 1SQV487_Z03

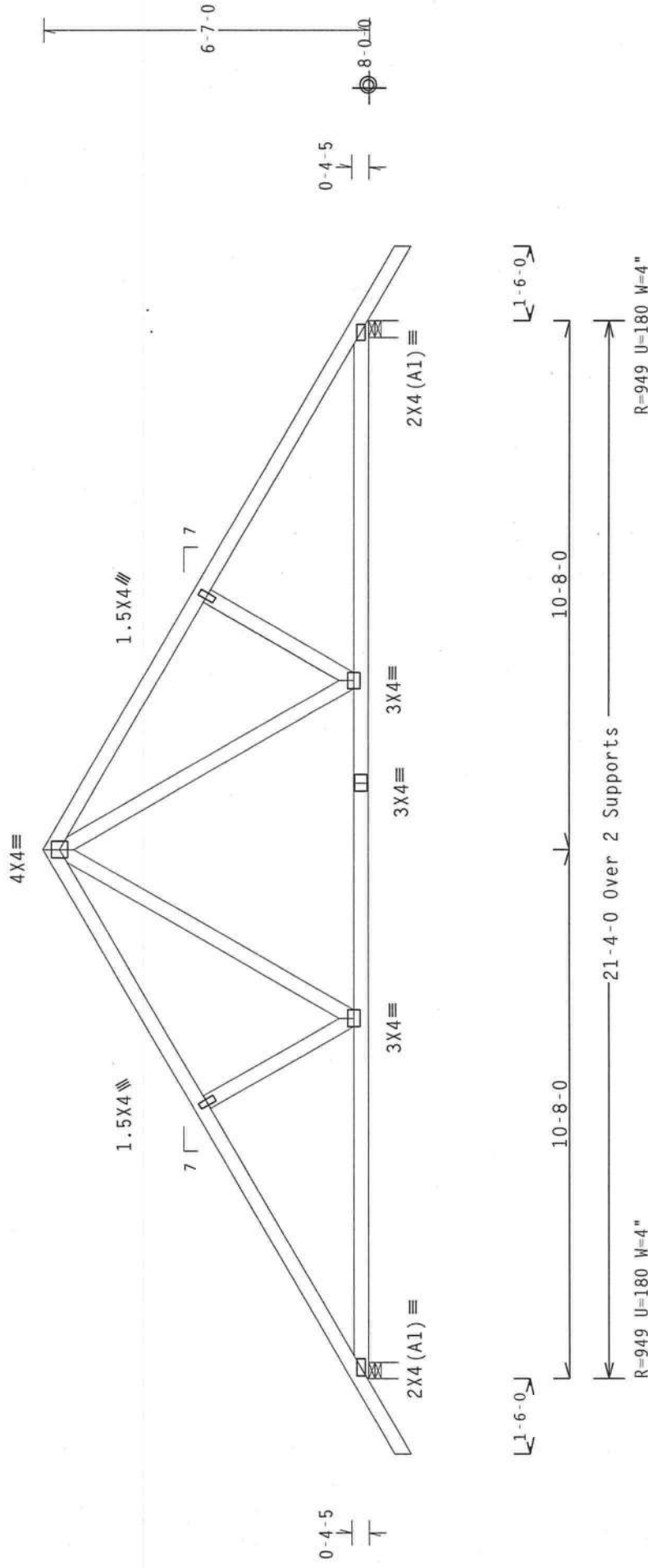
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

FL Certificate of Authorization # 567

FL Certificate of Authorization # 567

* * IMPORTANT * * FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR AND ALPINE ENGINEERS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY APA) AND ALPINE TRUSS COMPANY'S TRUSS MANUFACTURING PRACTICES. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE INDICATED. 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 43 OF TP11-2002 SEC.3. A SEAL ON THIS COPIED INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER. THIS USE OF THIS DOCUMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. DESIGNER'S SIGNATURE:

REF R487--	51468
DATE	09/28/05
DRW	HCUSR487 05271210 *
HC-ENG	JB/AF
SEQN-	6093
JREF-	150V487 Z03



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

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



PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS INDICATED. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A.3 OF TP1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANS1/TP1 1 SEC. 2.

QTY: 1	FL / - 3 / - / - R / -	Scale = .3125" / Ft.
	TC LL	20.0 PSF
	TC DL	10.0 PSF
	BC DL	10.0 PSF
	BC LL	0.0 PSF
	TOT. LD.	40.0 PSF
DUR. FAC.		1.25
SPACING		24.0"
JREF - 1SQV487_Z03		

PLT TYP. Wave TPI

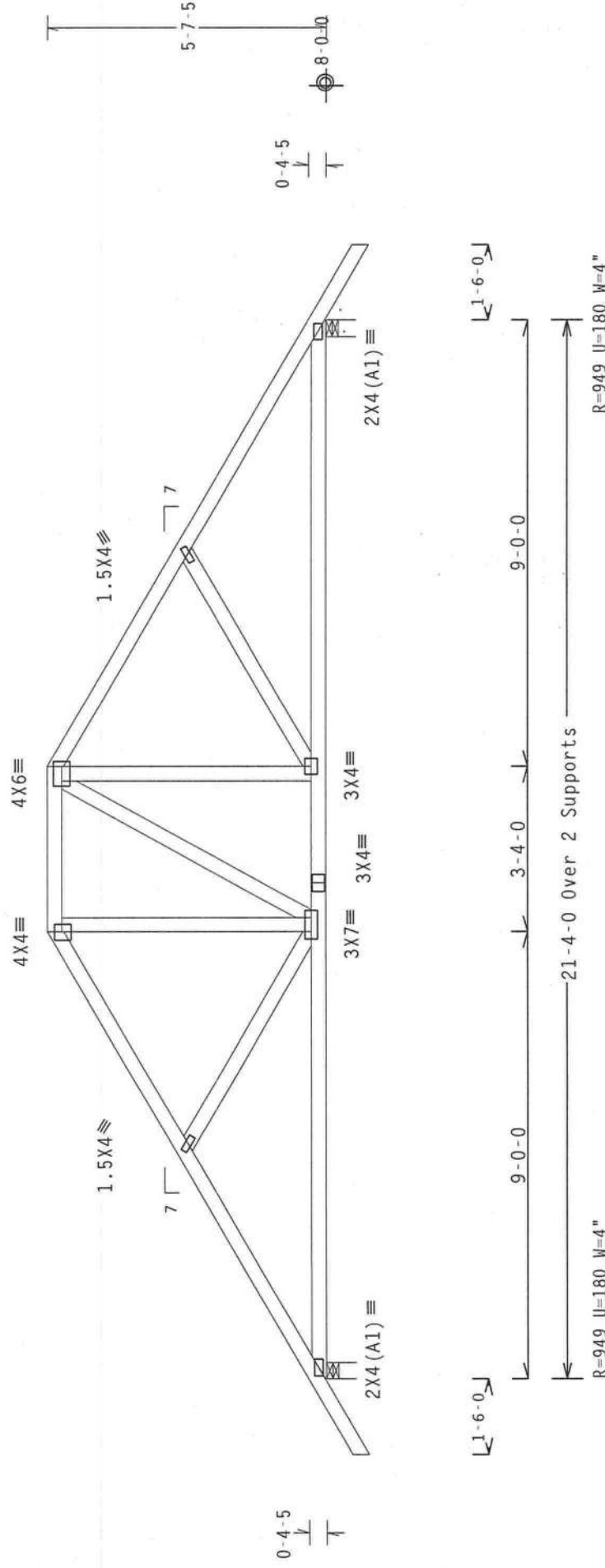
7.04.08

	TC LL	20.0 PSF	REF R487 -- 51470
	TC DL	10.0 PSF	DATE 09/28/05

[illegible]

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE NOTED ON THIS DESIGN, POSITION PER UNIFORM LOAD. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPII-2002, SEC. 3.3. 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/TPII 1 SEC. 2.

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Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R487 - - 51471
TC DL	10.0 PSF	DATE	09/28/05

HC-ENG JB/AF

TOT. LD.	40.0 PSF	SEQN - 6070
DUR. FAC.	1.25	
SPACING	24 0"	JREF - 150V487 703



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

SPECIAL LOADS

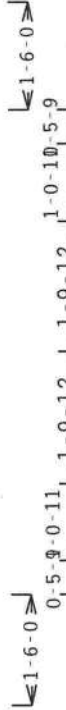
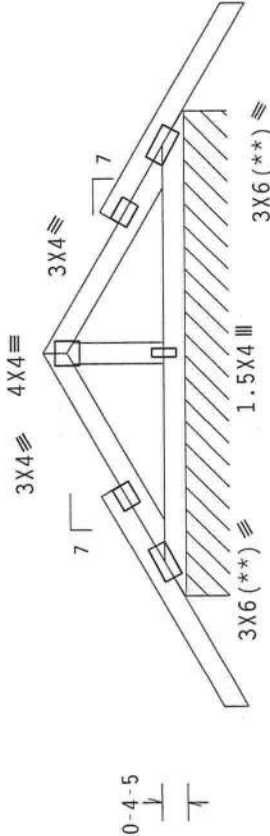
-----LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 82 PLF at -1.50 to 82 PLF at 8.17
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 6.67
BC - From 4 PLF at 6.67 to 4 PLF at 8.17

(**) Plate relocated as shown.

110 mph wind, 10.72 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

See DWGS A11015EC1103 & GBLLETIN0405 for more requirements.

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



6-8-0 Over Continuous Support →

R=141 PLF U=48 PLF W=6-8-0

PLT TYP. Wave TPI

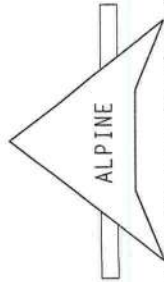
Design Crit: TPI-1995(STD)/FBC

7.04.08

Scale = .375" / Ft.

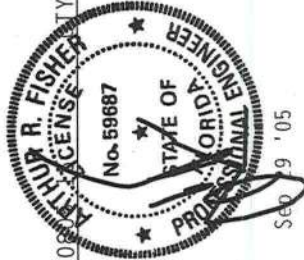
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. DESIGNER SHALL PROVIDE ALL NECESSARY INFORMATION, INCLUDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ARNOLE DR., SUITE 200, MADISON, WI 53719), AND NCA (NATIONAL COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719), FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/19/16GA (W/H/S/K) ASTM A551 GRADE 40/60 (N, K/PL-5) GALV. STEEL. STEEL PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, SHALL BE SECURED TO THE TRUSS COMPONENTS BY BOLTS PER AISC 308. A SEAL ON THIS DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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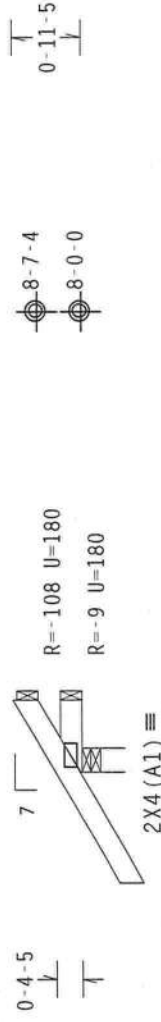
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TC DL	10.0 PSF	DATE	09/28/05	
BC DL	10.0 PSF	DRW	HCUSR487	05271232
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	6077	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	15QV487_Z03	

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

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



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

R=294 U=180 W=4"

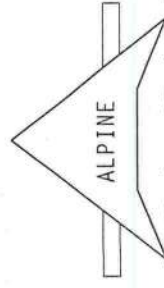
PI T TYP Wave TPI

Design Crit: TPI-1995 (STD) / FBC

7

QTY:10 FL/-/3/-/-/R/-

Scale = .375" / Ft.



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Haines City, FL 33844
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4. *WARNING* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESIGNS 1-103 (OUTLIVING COMPONENT SAFETY INFORMATION) AND AISC DESIGN GUIDE 10 (TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE, L.N. PATERSON, NJ 07640) 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 TOP CHORD CHLING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE
TRUSS IN CONFORMANCE WITH TP1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.
DESIGN CONFORMS WITH NATIONAL SPECIFICATIONS FOR STEEL TRUSS STRUCTURES (NDS) AND THE AISC
DESIGN GUIDE FOR COMPOSITE TRUSS ACTION (DGT-1). THE DESIGN SPEC. BY AISC AND THE AISC STEEL EDITION
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 AMERICAN A3 OF TP1-2002 SEC. 3. A SEAL ON THIS
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT
DESIGNED BY ALPINE ENGINEERS, INC. (2) THIS DESIGN IS FOR THE CONSENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE
BUILDING DESIGNER. PER AMERICAN A3 OF TP1-2002 SEC. 3.



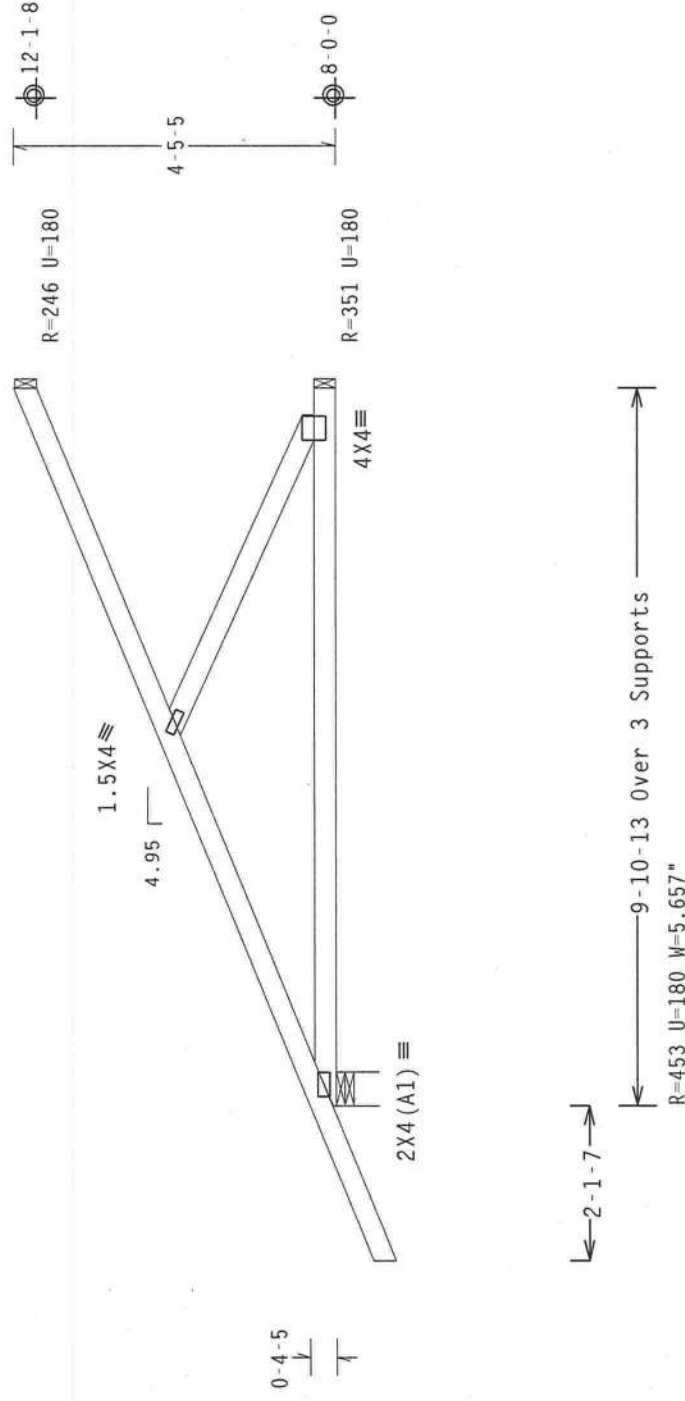
Sep 29 '05

TC LL	20.0	PSF	REF	R487 - -	51473
TC DL	10.0	PSF	DATE	09/28/05	
BC DL	10.0	PSF	DRW	HCUSR487	05271233
BC LL	0.0	PSF	HC-ENG	JB/AF	
TOT.LD.	40.0	PSF	SEQN-	6051	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1SQV487_Z03	

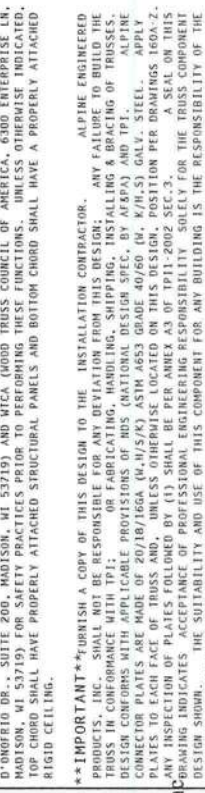
Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	

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

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



Scale = .375"/Ft.



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

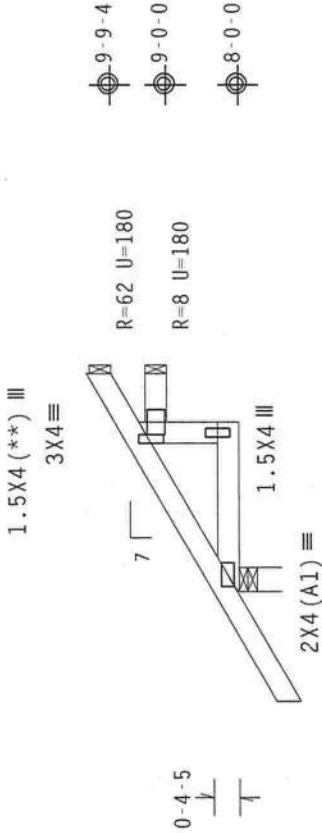
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

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

(**) Plate relocated as shown.



L=1-6-0

2-4-0
3-0-0 Over 3 Supports
R=266 U=180 W=4"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

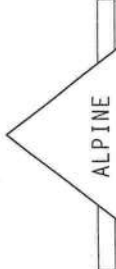
7.04.08

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

Scale = .375"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND 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 AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/160A (40/60) GRADE 40/60 (40/60) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002, SEC.3. A SEAL ON THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING PERFORMANCE FOR THE TRUSS. THE SEALING OF THIS TRUSS IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/160A (40/60) GRADE 40/60 (40/60) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002, SEC.3. A SEAL ON THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING PERFORMANCE FOR THE TRUSS. THE SEALING OF THIS TRUSS 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



Sep 29 '05

TC LL	20.0 PSF	FL/-/3/-/-/R/-	Scale = .375"/Ft.
TC DL	10.0 PSF		REF R487 -- 51475
BC DL	10.0 PSF		DATE 09/28/05
BC LL	0.0 PSF		DRW HCUSR487 05271235
TOT.LD.	40.0 PSF		HC-ENG JB/AF
DUR.FAC.	1.25		SEQN- 12730
SPACING	24.0"		JREF- 1SQV487_Z03

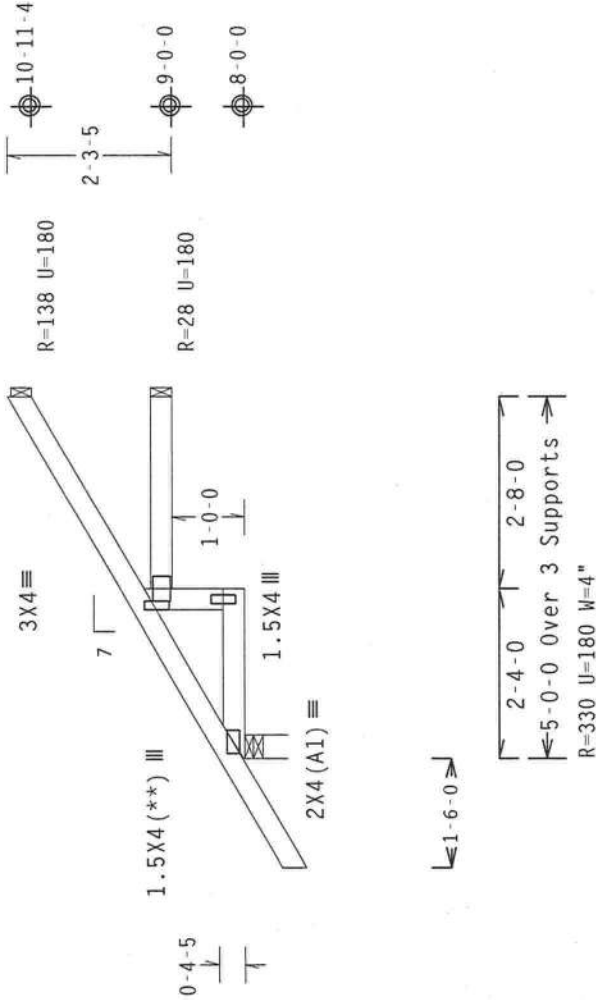
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

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.

(**) Plate relocated as shown.

110 mph wind, 9.38 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.



1-6-0

2-4-0 2-8-0
5-0-0 Over 3 Supports
R=330 U=180 W=4"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04.08

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

Scale = .375"/Ft.



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

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFRAIN FROM ANY ATTEMPT TO MODIFY OR ALTER THE TRUSS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES SHALL BE THE RESPONSIBILITY OF THE FABRICATOR. TPI TRUSSES ARE DESIGNED BY TPI TRUSSES PLATE INSTITUTE, 103 D'ONDRE RD., SUITE 200, MADISON, MI 48219 AND WEA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, MI 48219) 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 SHALL BE THE RESPONSIBILITY OF THE FABRICATOR. TPI TRUSSES ARE DESIGNED BY TPI TRUSSES PLATE INSTITUTE, 103 D'ONDRE RD., SUITE 200, MADISON, MI 48219 AND WEA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, MI 48219) 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.

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04.08

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

Scale = .375"/Ft.

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

REF R487-- 51476

DATE 09/28/05

DRW HCUSR487 05271236

HC-ENG JB/AF

SEON- 12737

JREF- 1SQV487_Z03

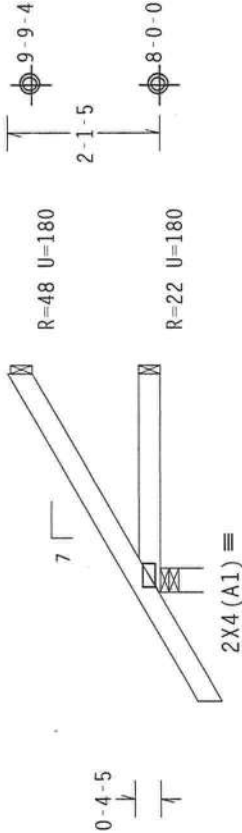


Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

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

110 mph wind, 8.80 ft mean ht, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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.



L<1-6-0>

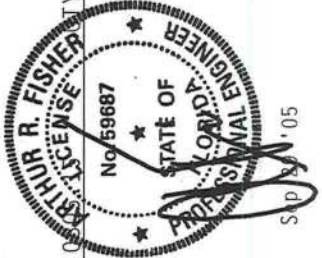
0-5-9 2-6-7
3'-0" Over 3 Supports
R=266 U=180 W=4"

PLT TYP. Wave TPI



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DETAIL 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 563 MADISON AVE, SUITE 200, MADISON, WI 53710, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/X) 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 SEC.3.2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Design Crit: TPI-1995(STD)/FBC

7.04

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

Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R487 -- 51477
TC DL	10.0 PSF	DATE	09/28/05
BC DL	10.0 PSF	DRW	HCUSR487 05271213
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	6056
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SQV487_Z03

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



NOTY:27 FL/-/3/-/-/R/-/

Scale = 375" / Ft.

TC LL	20.0	PSF	REF R487 -- 51478
TC DL	10.0	PSF	DATE 09/28/05
BC DL	10.0	PSF	DRW HCHSR487 05271237
BC LL	0.0	PSF	HC-ENG JB/AF
TOT. LD.	40.0	PSF	SEQN- 6044
DUR. FAC.	1.25		
SPACING	24.0"		JREF- 1SQV487_Z03



Haines City, FL 33844
FL-Certificate of Authorization # 567

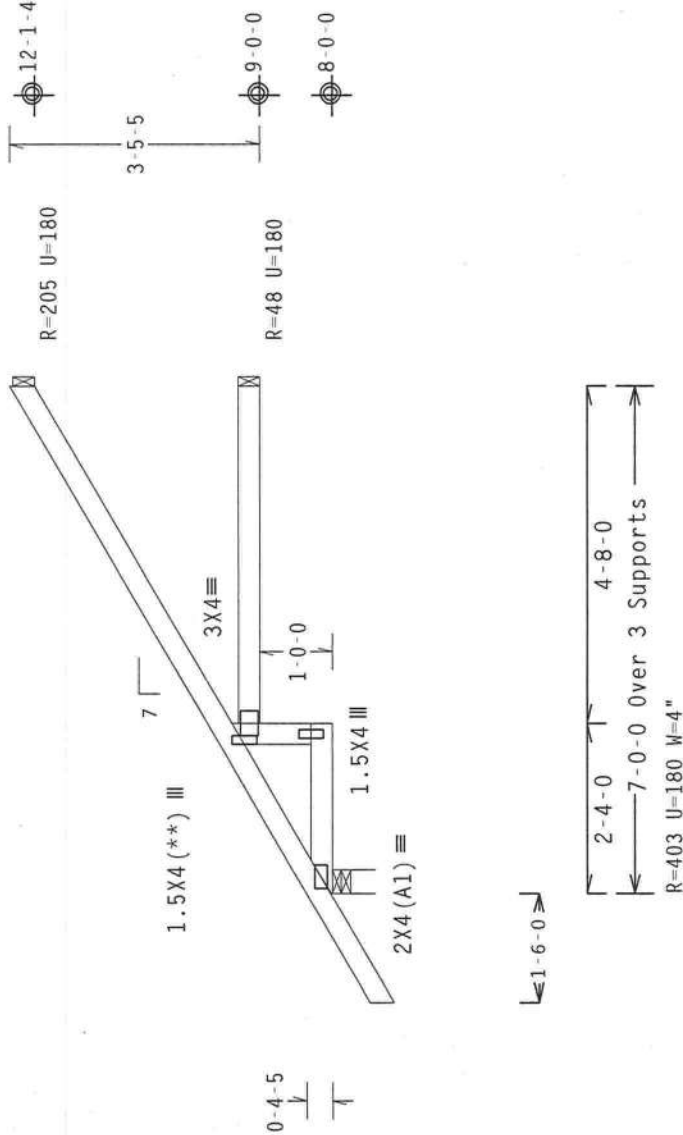
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

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

110 mph wind, 9.96 ft mean hgt, ASCE 7-98, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind
BC DL=5.0 psf.

(**) Plate relocated as shown.



PLT TYP. Wave TPI

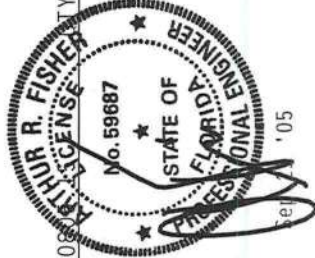


Alpine Engineered Products, Inc.
1950 Manley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

Design Crit: TPI-1995(STD)/FBC

****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), 1983, FOR TRUSS 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 AFPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/160A (N/A/S/K) ASTM A653 GRADE 40/60 (N. K/N-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. THE SUBMITTAL AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



7.04.08

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

Scale = .375" /Ft.

TC LL	20.0 PSF	REF	R487--	51479
TC DL	10.0 PSF	DATE	09/28/05	
BC DL	10.0 PSF	DRW	HCUSR487	05271238
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	12725	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SQV487_Z03	

Webs 2x4 SP #3 :W3 2x4 SP #2 Dense:

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.

(**) Plate relocated as shown.

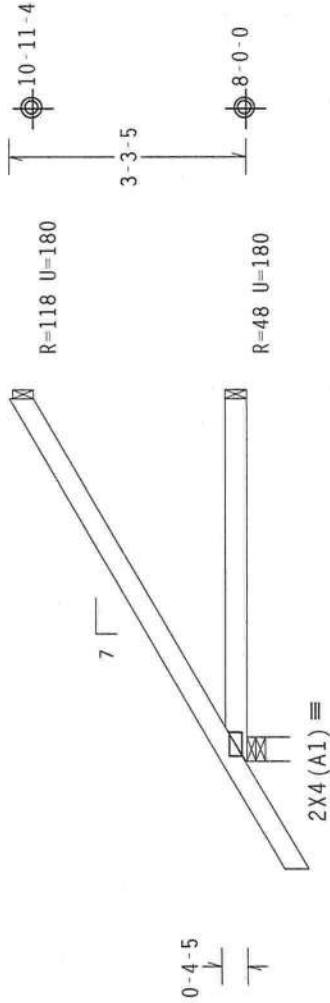


Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

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

110 mph wind, 9.38 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



1-6-0

2-4-9 2-7-7
5-0-0 Over 3 Supports
R=330 U=180 W=4"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04.0

TY:8 FL/-/3/-/-/R/-

Scale =.375"/Ft.

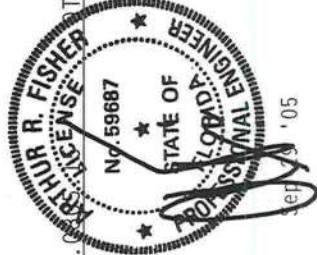
ALPINE

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

FL Certificate of Authorization # 567

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (IN-1/2/3/4) ASTM A653 GRADE 40/60 (W. K/M-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. INSPECTION OF PLATES SHALL BE CONDUCTED BY AN INSPECTOR QUALIFIED TO INSPECT TRUSSES. THE DESIGN SHOWN INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (IN-1/2/3/4) ASTM A653 GRADE 40/60 (W. K/M-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. INSPECTION OF PLATES SHALL BE CONDUCTED BY AN INSPECTOR QUALIFIED TO INSPECT TRUSSES. THE DESIGN SHOWN INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



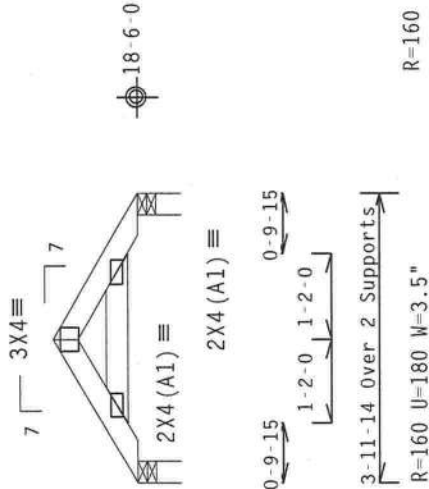
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TC DL	10.0 PSF	DATE	09/28/05
BC DL	10.0 PSF	DRW	HCUSR487 05271240
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN	6060
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1SQV487_Z03

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

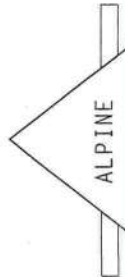
Deflection meets L/360 live and L/240 total load.

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

110 mph wind, 19.08 ft mean hgt, ASCE 7-98, CLOSED bldg, Located
anywhere in roof, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0
psf.



PLT TYP. Wave TPI



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

Design Crit: TPI-1995(STD)/FBC

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR TRUSS COMPONENTS AND TRUSS MANUFACTURING PRACTICES. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1995(STD) OR TPI-1995(STD) AND UFGA (UNIFORM 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-1995(STD) OR TPI-1995(STD) AND UFGA (UNIFORM 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.

7.04

TY: 1

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

Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R487--	51482
TC DL	10.0 PSF	DATE	09/28/05	
BC DL	10.0 PSF	DRW	HCUSR487	05271241
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	6189	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SQV487_Z03	



1-0-4

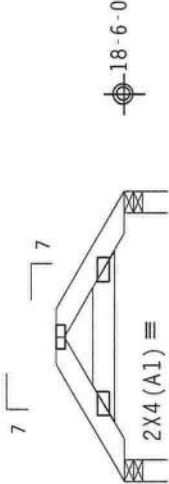
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

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

110 mph wind, 18.97 ft mean hgt, ASCE 7-98, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0
psf.

REFER TO DWG PIGBACKB0204 FOR PIGGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO
BE BRACED @ 24"O.C., UNLESS OTHERWISE SPECIFIED

1.5X4



2X4 (A1)

0-9-15
1-2-0 1-2-0

3-11-14 Over 2 Supports

R=160 U=180 W=3.5"

R=160 U=180 W=3.5"

PLT TYP. Wave TPI

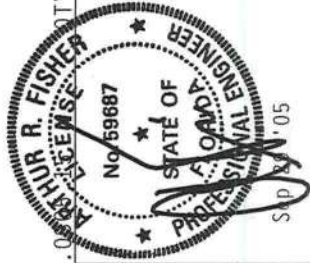


Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

Design Crit: TPI-1995(STD)/FBC

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO THE TPI-1995(STD) FOR THE TPI-1995(STD) TRUSS DESIGN SPECIFICATIONS. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1995(STD) OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TPI-1995(STD). 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 TPI-1995(STD) OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TPI-1995(STD). THE TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002, SEC. 3. A SEAL ON THIS DESIGN INDICATES THE DESIGNER'S ACCEPTANCE OF THE DESIGN. THE DESIGNER'S ACCEPTANCE OF THE DESIGN DOES NOT IMPLY THAT THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



7.04

QUANTITY: 1

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

Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R487--	51483
TC DL	10.0 PSF	DATE	09/28/05	
BC DL	10.0 PSF	DRW	HCUSR487	05271242
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	6203	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SQV487_Z03	

CLB WEB BRACE SUBSTITUTION

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

NOTES:

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

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

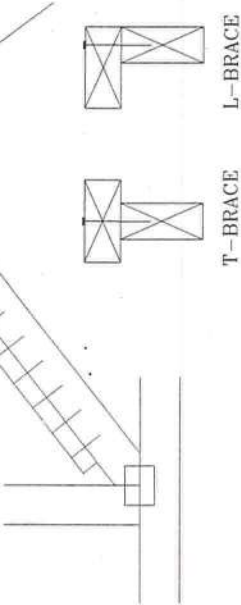
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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

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

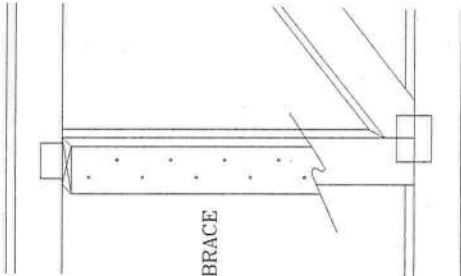
T-BRACING
OR
L-BRACING:

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



SCAB BRACING:

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



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

****IMPORTANT**** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO FOLLOW THE DESIGN REQUIREMENTS OR TO PROVIDE THE REQUIRED BRACING OR TO PROVIDE THE REQUIRED BRACING OF TRUSSES. DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF THE INTERNATIONAL DESIGN SPEC. BY AISC AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (W/H/2) ASTM A653 GRADE 40/60 (W/K/H/2) 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 (D) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



THIS DRAWING REPLACES DRAWING 579.640

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

2X4 GABLE VERTICAL SPACING		BRACE		NO BRACES	(1) 1X4 "L" BRACE • (2) 2X4 "L" BRACE • (1) 2X6 "L" BRACE • (2) 2X6 "L" BRACE •												GROUP A		GROUP B		GROUP A		GROUP B		GROUP A		GROUP B		GROUP A		GROUP B																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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24" O.C.	SPF	STANDARD	#1 / #2	3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 5"	9' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 5"	12' 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BRACING GROUP SPECIES AND GRADES:			
GROUP A:			
SPRUCE-PINE-FIR	#1 / #2	STANDARD	STUD
	#3	STUD	STANDARD
	HEM-FIR		
	#2	STUD	STANDARD
	#3	STUD	STANDARD
	SOUTHERN PINE		
	#3	STUD	STANDARD
	STUD	STANDARD	
	STANDARD		
DOUGLAS FIR-LARCH			
	#3	STUD	STANDARD
	STUD	STANDARD	
	STANDARD		

GROUP B:			
HEM-FIR			
#1 & BTR	#1	STUD	STANDARD
SOUTHERN PINE			
#1	#2	STUD	STANDARD
DOUGLAS FIR-LARCH			
#1	#2	STUD	STANDARD

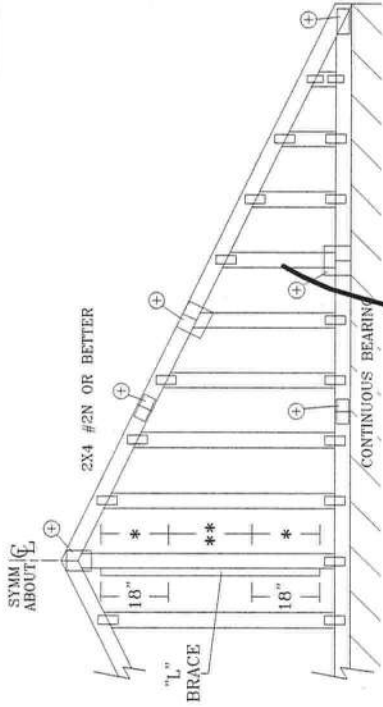
GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.
PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).
GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

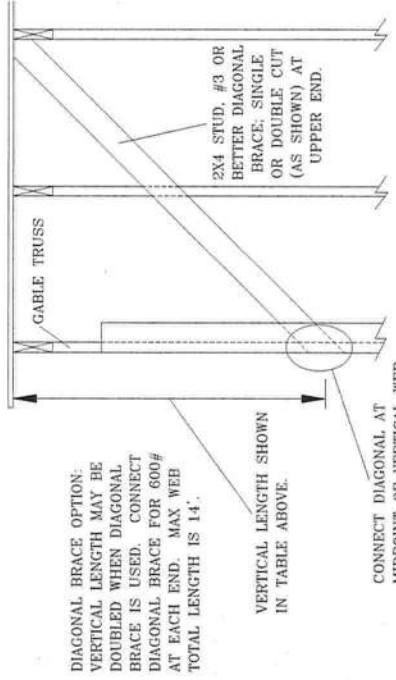
ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2' O.C. IN 16" END ZONES AND 4' O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3' O.C. IN 16" END ZONES AND 6" O.C. BETWEEN ZONES.
"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

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

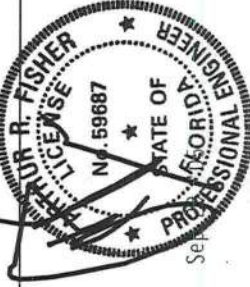
+ REFER TO COMMON TRUSS DESIGN FOR
PEAK, SPLICE, AND HEEL PLATES.



REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.



DIAGONAL BRACE OPTION: VERTICAL LENGTH MAY BE DOUBLED WHEN DIAGONAL BRACE IS USED. CONNECT DIAGONAL BRACE FOR 600# AT EACH END. MAX WEB TOTAL LENGTH IS 14'.



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO 901-1-103 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS COMPANY, 10000 W. 11TH AVENUE, SUITE 100, DENVER, CO 80231, (303) 751-1100, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

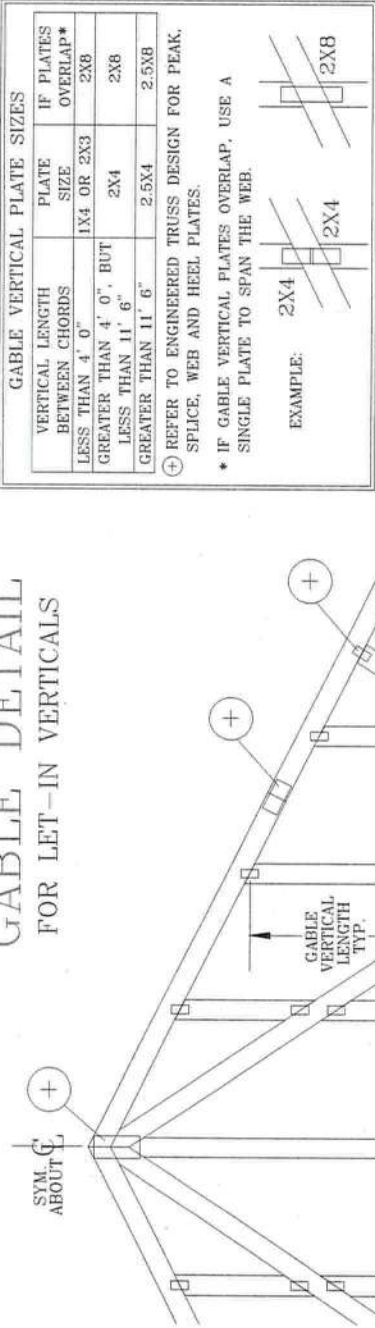
IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. THIS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC. FOR STEEL BUILDINGS AND THE AISC 360-10 SPECIFICATION FOR STRUCTURAL STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS H00A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF 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.



ALPINE ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA

REF	ASCE7-98-GABI1015
DATE	11/26/03
DRWG	AI1015EC1103
-ENG	
MAX. TOT. LD. 60 PSF	
MAX. SPACING 24.0"	

GABLE DETAIL
FOR LET-IN VERTICALS



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

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

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

EXAMPLE:

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

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

WEB LENGTH INCREASE W/ "T" BRACE

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

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

PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH

HAND DRIVEN NAILS:

10d COMMON TOENAILS AT 4" O.C. PLUS (4) 16d COMMON TOENAILS IN TOP AND BOTTOM CHORD.

GUN DRIVEN NAILS - 0.131" X 3":

TOENAILS AT 4" O.C. PLUS (4) TOENAILS IN TOP AND BOTTOM CHORD.

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

ASCE 7-93 GABLE DETAIL DRAWINGS

A10105EN1103, A10015EN1103, A09015EN1103, A08015EN1103, A07015EN1103
A10303EN1103, A100303EN1103, A090303EN1103, A080303EN1103, A070303EN1103

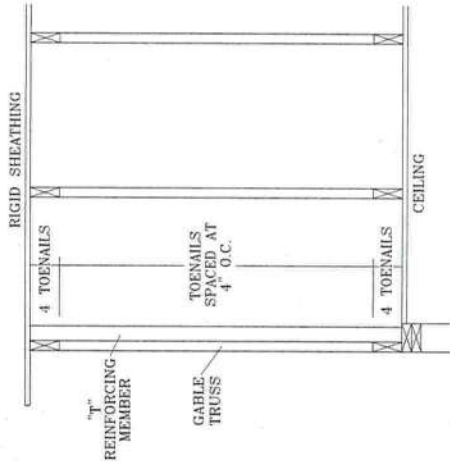
ASCE 7-98 GABLE DETAIL DRAWINGS

A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A08515EC1103
A130303EC1103, A120303EC1103, A110303EC1103, A100303EC1103, A085303EC1103

SBCCI GABLE DETAIL DRAWINGS

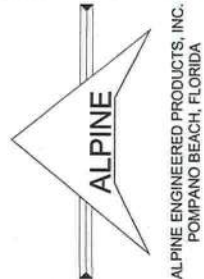
S11015EN1103, S10015EN1103, S09015EN1103, S08015EN1103, S07015EN1103
S110303EN1103, S100303EN1103, S090303EN1103, S080303EN1103, S070303EN1103

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



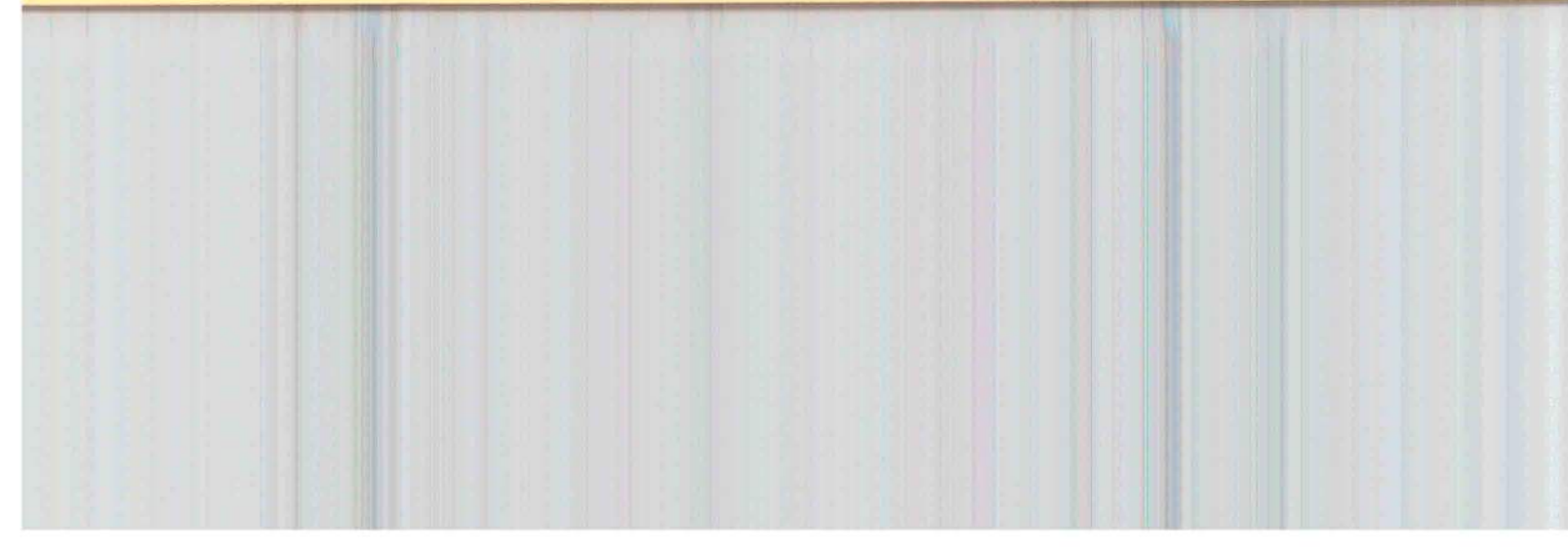
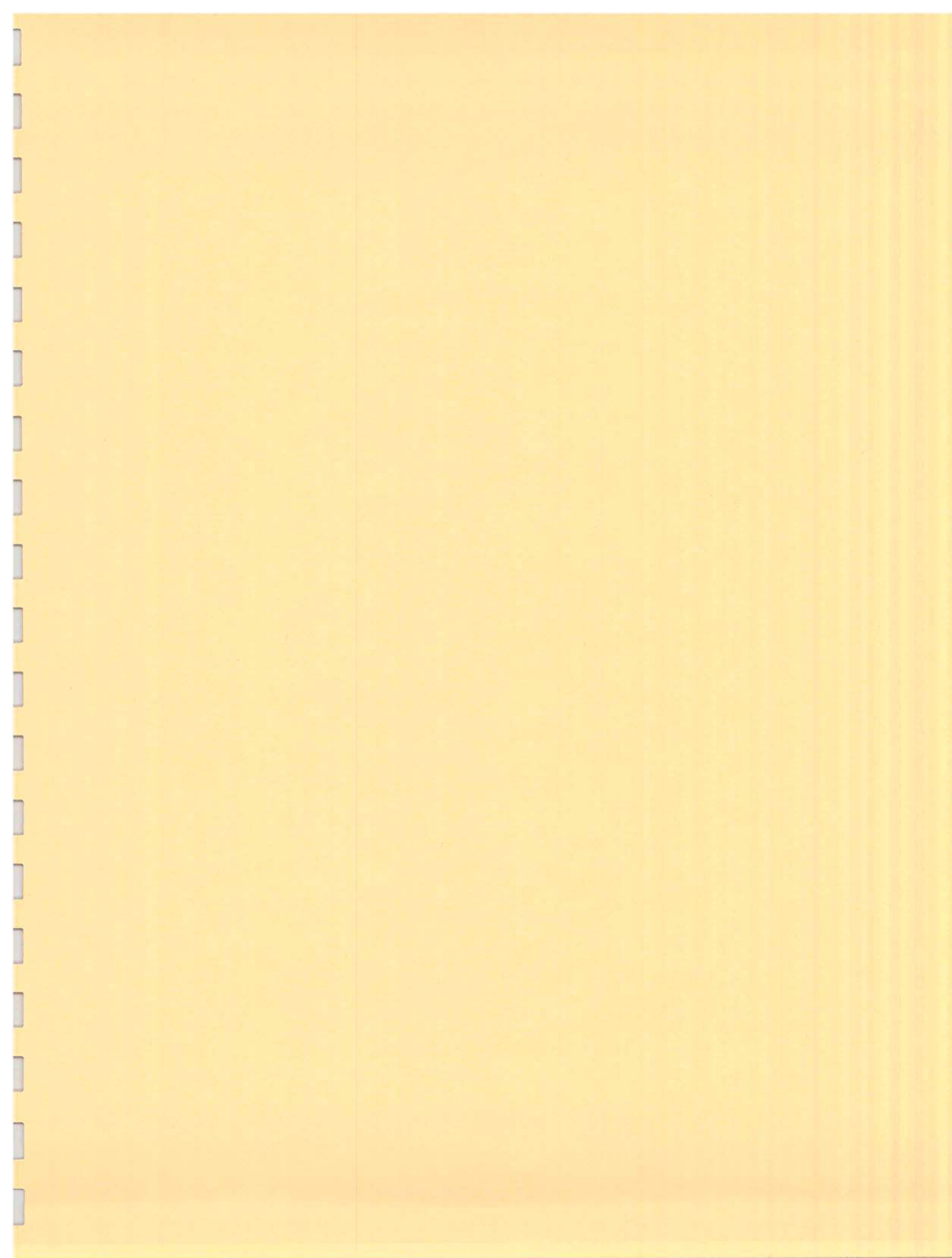
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 J-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 DODD FRIED DR., SUITE 200, MADISON, WI 53719) AND WTC (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE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

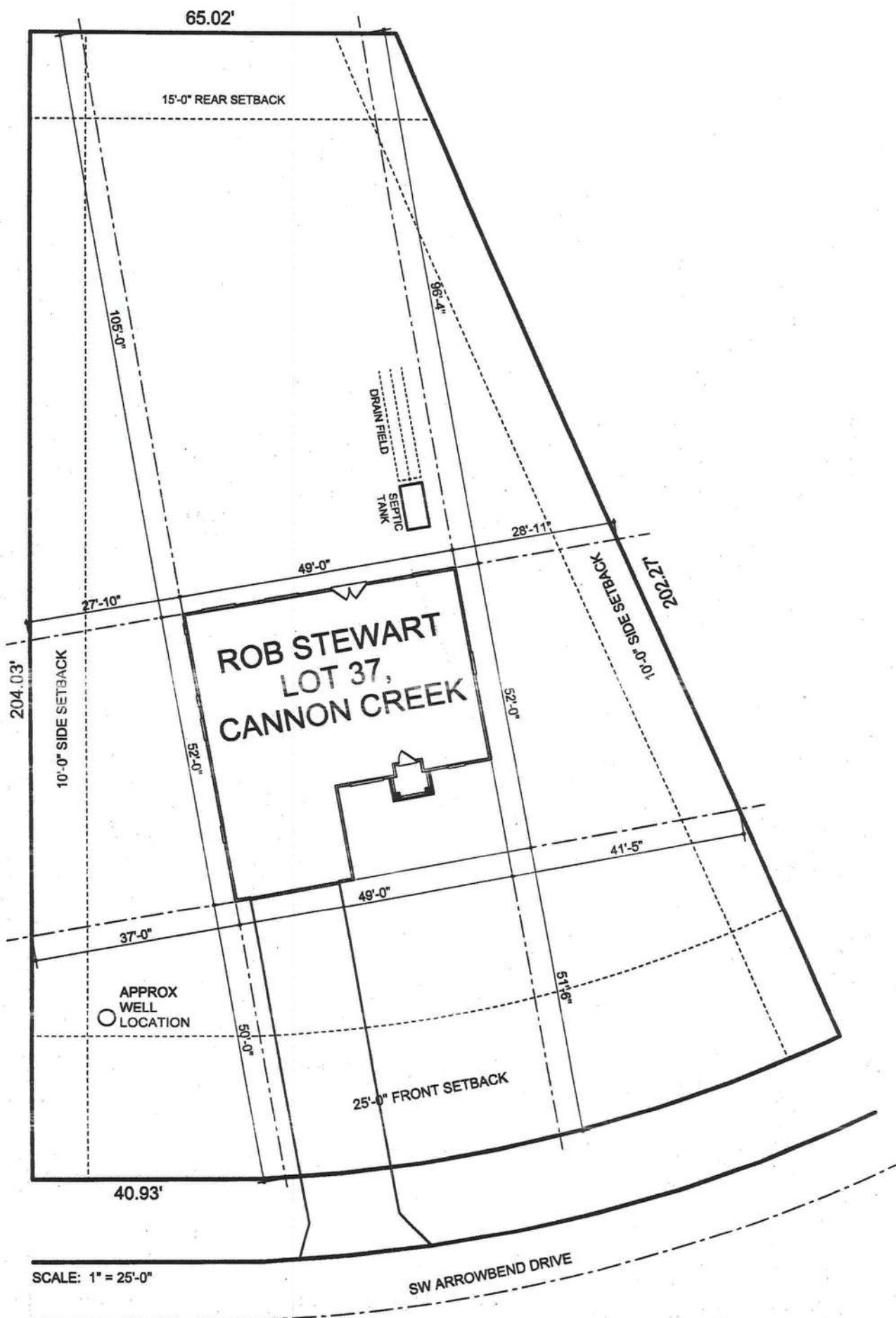
IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (W/H/S) 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 PERFORMED BY A REGISTERED PROFESSIONAL ENGINEER. THE DESIGNER SHALL BE RESPONSIBLE FOR THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

REF	LET-IN VERT
DATE	01/16/04
DRWG	GBLETTIN1103
-ENG	DLJ/KAR
MAX TOT. LD. 60 PSF	
DUR. FAC.	ANY
MAX SPACING	24.0"





ATS# 15155

Prepared by:
Michael H. Herrell
Abstract & Title Services, Inc.
111 East Howard Street
Live Oak, Florida 32064

Warranty Deed

Individual to Individual

THIS WARRANTY DEED made the 19th day of August, 2005 by

Peter W. Glebeig

hereinafter called the grantor, to

Rob Stewart

Inst: 2005021142 Date: 08/20/2005 Time: 15:33
Doc Stamp Fee: 271.60
PC, P. J. Witt Cason, Columbia County 3:1054 P:2001

whose post office address is: 507 W Duval St., Lake City, FL 32065
hereinafter called the grantee:

(Wherever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporation)

Witnesseth: That the grantor, for and in consideration of the sum of \$10.00 and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, alien, remises, releases, conveys, and confirms unto the grantee, all that certain land situate in COLUMBIA County, FLORIDA, viz: Parcel ID#

Subdivision
Lot 37, of Cannon Creek Place, a subdivision according to the plat thereof recorded in Plat Book 8, Pages 31-34, of the Public Records of Columbia County, Florida.

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

TO HAVE AND TO HOLD, the same in fee simple forever.

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

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

Signed, sealed and delivered in our presence:

Megan Marable
Witness Megan Marable

Peter W. Glebeig
Peter W. Glebeig

Traci Landry
Witness TRACI LANDRY

STATE OF FLORIDA
COUNTY OF SUWANNEE

The foregoing instrument was acknowledged before me this 19th day of August, 2005 by Peter W. Glebeig personally known to me or, if not personally known to me, who produced Driver's License No. _____ for identification and who did not take an oath.

(SEAL)



Megan M. Marable
Notary Public

My Commission Expires:

08/21/2005 WED 16:45 FAX 3867555869 BUREACH REALTY SERVICES
Abstract & Title
No. 7440 P. 2
2002/002

FLORIDA ENERGY EFFICIENCY CODE
FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	Rob Stewart	Builder:	Rob Stewart
Address:	Lot: 34, Sub: Cannon Creek, Plat:	Permitting Office:	
City, State:	Lake City, FL 32025-	Permit Number:	
Owner:	Spec House	Jurisdiction Number:	
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 30.0 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)	1545 ft²	13. Heating systems	
7. Glass area & type		a. Electric Heat Pump	Cap: 30.0 kBtu/hr
a. Clear - single pane	0.0 ft²		HSPF: 6.80
b. Clear - double pane	188.0 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: 50.0 gallons
a. Slab-On-Grade Edge Insulation	R=0.0, 172.0(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, 1030.0 ft²	DHP-Dedicated heat pump)	
b. Frame, Wood, Adjacent	R=13.0, 148.0 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, 1600.0 ft²	MZ-H-Multizone heating)	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 40.0 ft		
b. N/A			

Glass/Floor Area: 0.12	Total as-built points: 22717	PASS
	Total base points: 24256	

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

PREPARED BY: Will Myers
DATE: 9/14/05

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

OWNER/AGENT:
DATE:

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

BUILDING OFFICIAL:
DATE:



SUMMER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 34, Sub: Cannon Creek, 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	1545.0	20.04	5573.1	Double, Clear	N	1.5	6.0	75.0	19.22	0.94	1353.0	
				Double, Clear	W	1.5	7.7	40.0	36.99	0.95	1408.8	
				Double, Clear	N	1.5	1.7	4.0	19.22	0.73	55.9	
				Double, Clear	E	1.5	6.0	45.0	40.22	0.91	1652.1	
				Double, Clear	S	1.5	1.7	4.0	34.50	0.53	73.8	
				Double, Clear	S	1.5	6.0	20.0	34.50	0.86	590.7	
				As-Built Total:							188.0	5134.3
WALL TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points				
Adjacent	148.0	0.70	103.6	Frame, Wood, Exterior	13.0			1030.0	1.50	1545.0		
Exterior	1030.0	1.70	1751.0	Frame, Wood, Adjacent	13.0			148.0	0.60	88.8		
Base Total:				As-Built Total:							1178.0	1633.8
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:				As-Built Total:							40.0	114.0
CEILING TYPES Area X BSPM = Points				Type	R-Value			Area X SPM X SCM = Points				
Under Attic	1545.0	1.73	2672.9	Under Attic	30.0			1600.0	1.73 X 1.00	2768.0		
Base Total:				As-Built Total:							1600.0	2768.0
FLOOR TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points				
Slab	172.0(p)	-37.0	-6364.0	Slab-On-Grade Edge Insulation	0.0			172.0(p)	-41.20	-7086.4		
Raised	0.0	0.00	0.0									
Base Total:				As-Built Total:							172.0	-7086.4
INFILTRATION Area X BSPM = Points							Area X SPM = Points					
							1545.0	10.21	15774.5			

SUMMER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 34, Sub: Cannon Creek, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 19681.0				Summer As-Built Points: 18338.1						
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component	X	Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
19681.0		0.4266	8395.9	18338.1		1.000	(1.090 x 1.147 x 1.00)	0.310	1.000	7113.6
				18338.1		1.00	1.250	0.310	1.000	7113.6

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 34, Sub: Cannon Creek, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	1545.0	12.74	3543.0	Double, Clear	N	1.5	6.0	75.0	14.30	1.00	1075.3
				Double, Clear	W	1.5	7.7	40.0	10.77	1.01	436.1
				Double, Clear	N	1.5	1.7	4.0	14.30	1.02	58.2
				Double, Clear	E	1.5	6.0	45.0	9.09	1.04	423.6
				Double, Clear	S	1.5	1.7	4.0	4.03	2.57	41.4
				Double, Clear	S	1.5	6.0	20.0	4.03	1.12	90.1
				As-Built Total:							188.0
WALL TYPES				Area X BWPM = Points		Type	R-Value	Area X WPM = Points			
Adjacent	148.0	3.60	532.8	Frame, Wood, Exterior			13.0	1030.0	3.40	3502.0	
Exterior	1030.0	3.70	3811.0	Frame, Wood, Adjacent			13.0	148.0	3.30	488.4	
Base Total:				1178.0	4343.8		As-Built Total:		1178.0	3990.4	
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	1545.0	2.05	3167.3	Under Attic			30.0	1600.0	2.05 X 1.00	3280.0	
Base Total:				1545.0	3167.3		As-Built Total:		1600.0	3280.0	
FLOOR TYPES				Area X BWPM = Points		Type	R-Value	Area X WPM = Points			
Slab	172.0(p)	8.9	1530.8	Slab-On-Grade Edge Insulation			0.0	172.0(p)	18.80	3233.6	
Raised	0.0	0.00	0.0								
Base Total:				1530.8	As-Built Total:		172.0	3233.6			
INFILTRATION				Area X BWPM = Points		Area X WPM = Points					
				1545.0	-0.59	-911.5	1545.0 -0.59 -911.5				

WINTER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 34, Sub: Cannon Creek, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT						
Winter Base Points: 12149.3				Winter As-Built Points: 12045.2						
Total Winter Points	X	System Multiplier	= Heating Points	Total Component	X	Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
12149.3		0.6274	7622.5	12045.2		1.000	(1.069 x 1.169 x 1.00)	0.501	1.000	7548.3
				12045.2		1.00	1.250	0.501	1.000	7548.3

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

ADDRESS: Lot: 34, Sub: Cannon Creek, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT						
WATER HEATING										
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X Credit	= Total Multiplier
3		2746.00	8238.0	50.0	0.90	3		1.00	2684.98	1.00 8054.9
As-Built Total:										8054.9

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling	+	Heating	+	Cooling	+	Heating	+
Points		Points		Points		Points	
8396		7622		7114		7548	
		8238				8055	
		24256				22717	

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 34, Sub: Cannon Creek, 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* = 84.0

The higher the score, the more efficient the home.

Spec House, Lot: 34, Sub: Cannon Creek, 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: 30.0 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 (ft ²)	1545 ft ²		
7. Glass area & type		13. Heating systems	
a. Clear - single pane	0.0 ft ²	a. Electric Heat Pump	Cap: 30.0 kBtu/hr
b. Clear - double pane	188.0 ft ²		HSPF: 6.80
c. Tint/other SHGC - single pane	0.0 ft ²	b. N/A	
d. Tint/other SHGC - double pane	0.0 ft ²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 172.0(p) ft	a. Electric Resistance	Cap: 50.0 gallons
b. N/A			EF: 0.90
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=13.0, 1030.0 ft ²	(HR-Heat recovery, Solar	
b. Frame, Wood, Adjacent	R=13.0, 148.0 ft ²	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, 1600.0 ft ²	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, 40.0 ft		
b. N/A			

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

Builder Signature: _____ Date: _____

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



**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs Energy Gauge Office (Version: FLR1PB v3.22)*

Residential System Sizing Calculation

Summary

Spec House
Lake City, FL 32025-

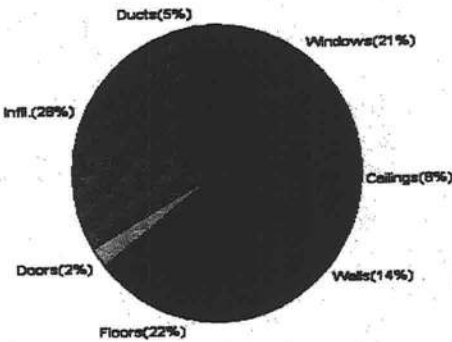
Project Title:
Rob Stewart
Class 3 Rating
Registration No. 0
Climate: North
9/9/2005

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	25099 Btuh	Total cooling load calculation	29248 Btuh
Submitted heating capacity	30000 Btuh	Submitted cooling capacity	30000 Btuh
Submitted as % of calculated	119.5 %	Submitted as % of calculated	102.6 %

WINTER CALCULATIONS

Winter Heating Load (for 1545 sqft)

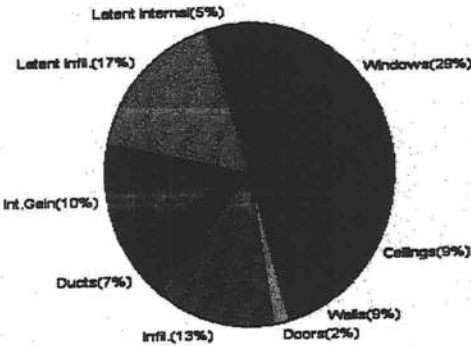
Load component		Load	
Window total	188 sqft	5320	Btuh
Wall total	1178 sqft	3430	Btuh
Door total	40 sqft	555	Btuh
Ceiling total	1600 sqft	2080	Btuh
Floor total	172 ft	5435	Btuh
Infiltration	165 cfm	7084	Btuh
Subtotal		23904	Btuh
Duct loss		1195	Btuh
TOTAL HEAT LOSS		25099	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1545 sqft)

Load component		Load	
Window total	188 sqft	8407	Btuh
Wall total	1178 sqft	2512	Btuh
Door total	40 sqft	518	Btuh
Ceiling total	1600 sqft	2528	Btuh
Floor total		0	Btuh
Infiltration	144 cfm	3814	Btuh
Internal gain		3000	Btuh
Subtotal(sensible)		20779	Btuh
Duct gain		2078	Btuh
Total sensible gain		22857	Btuh
Latent gain(infiltration)		5011	Btuh
Latent gain(internal)		1380	Btuh
Total latent gain		6391	Btuh
TOTAL HEAT GAIN		29248	Btuh



EnergyGauge® System Sizing based on ACCA Manual J.
PREPARED BY: _____
DATE: _____

System Sizing Calculations - Winter

Residential Load - Component Details

Spec House

Project Title:
Rob Stewart

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL 32025-

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

9/9/2005

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	75.0	28.3	2122 Btuh
2	2, Clear, Metal, DEF	W	40.0	28.3	1132 Btuh
3	2, Clear, Metal, DEF	N	4.0	28.3	113 Btuh
4	2, Clear, Metal, DEF	E	45.0	28.3	1274 Btuh
5	2, Clear, Metal, DEF	S	4.0	28.3	113 Btuh
6	2, Clear, Metal, DEF	S	20.0	28.3	566 Btuh
Window Total			188		5320 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1030	3.1	3193 Btuh
2	Frame - Adjacent	13.0	148	1.6	237 Btuh
Wall Total			1178		3430 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	1600	1.3	2080 Btuh
Ceiling Total			1600		2080Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	172.0 ft(p)	31.6	5435 Btuh
Floor Total			172		5435 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.80	12360(sqft)	165	7084 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				165	7084 Btuh

Totals for Heating	Subtotal	23904 Btuh
	Duct Loss(using duct multiplier of 0.05)	1195 Btuh
	Total Btuh Loss	25099 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

Spec House

Project Title:
Rob Stewart

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL 32025-

Reference City: Gainesville (User customized) Summer Temperature Difference: 24.0 F 9/9/2005

Window	Type	Overhang		Window Area(sqft)			HTM		Load	
	Panes/SHGC/U/InSh/ExSh Omt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, DEF, N, N	N	1.5	6	75.0	0.0	75.0	25	25	1875 Btuh
2	2, Clear, DEF, N, N	W	1.5	7.66	40.0	0.0	40.0	25	74	2960 Btuh
3	2, Clear, DEF, N, N	N	1.5	1.66	4.0	0.0	4.0	25	25	100 Btuh
4	2, Clear, DEF, N, N	E	1.5	6	45.0	9.3	35.7	25	74	2872 Btuh
5	2, Clear, DEF, N, N	S	1.5	1.66	4.0	4.0	0.0	25	39	100 Btuh
6	2, Clear, DEF, N, N	S	1.5	6	20.0	20.0	0.0	25	39	500 Btuh
Window Total				188				8407 Btuh		
Walls	Type	R-Value		Area		HTM		Load		
1	Frame - Exterior	13.0		1030.0		2.2		2287	Btuh	
2	Frame - Adjacent	13.0		148.0		1.5		225	Btuh	
Wall Total				1178.0				2512	Btuh	
Doors	Type	R-Value		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		1600.0		1.6		2528	Btuh	
Ceiling Total				1600.0				2528	Btuh	
Floors	Type	R-Value		Size		HTM		Load		
1	Slab-On-Grade Edge Insulation	0.0		172.0 ft(p)		0.0		0	Btuh	
Floor Total				172.0				0	Btuh	
Infiltration	Type	ACH		Volume		CFM=		Load		
	Natural	0.70		12360		144.5		3814	Btuh	
	Mechanical					0		0	Btuh	
Infiltration Total					144			3814	Btuh	

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

Totals for Cooling	Subtotal	20779 Btuh
	Duct gain(using duct multiplier of 0.10)	2078 Btuh
	Total sensible gain	22857 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	5011 Btuh
	Latent occupant gain (6 people @ 230 Btuh per person)	1380 Btuh
	Latent other gain	0 Btuh
	TOTAL GAIN	29248 Btuh

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

FROM :

FAX NO. : 386-755-7022

Sep. 17 2002 01:52PM P1

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS



DONALD AND MARY HALL
OWNERS

PHONE (904) 752-1854
FAX (904) 755-7022
~~XXXXXXXXXXXXXXXXXXXX~~
LAKE CITY, FLORIDA 32055
904 NW Main Blvd.

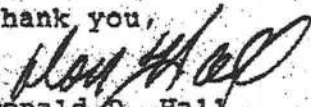
June 12, 2002

NOTICE TO ALL CONTRACTORS

Please be advised that due to the new building codes we will use a large capacity diaphragm tank on all new wells. This will insure a minimum of one (1) minute draw down or one (1) minute refill. If a smaller diaphragm tank is used then we will install a cycle stop valve which will produce the same results.

If you have any questions please feel free to call our office anytime.

Thank you,


Donald D. Hall
DDH/jk

Premdor Entry Systems

ACCEPTANCE No.: 01-0314.18

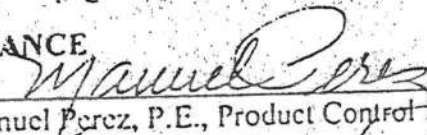
APPROVED : JUN 05 2001

EXPIRES : April 02, 2006

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

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

END OF THIS ACCEPTANCE


Manuel Perez, P.E., Product Control Examiner
Product Control Division

Premdor Entry Systems

ACCEPTANCE No.: 01-0314.18

APPROVED : JUN 05 2001

EXPIRES : April 02, 2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

- 1.1 This renews the Notice of Acceptance No. 00-0321.20 which was issued on April 28, 2000. It approves a residential insulated door, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

- 2.1 The Series Entergy 6-8 S-W/E Inswing Opaque Single Residential Insulated Steel Door with Sidelites- Impact Resistant Door Slab Only and its components shall be constructed in strict compliance with the following documents: Drawing No 31-1020-EV-1, Sheets 1 through 6 of 6, titled "Premdor (Entergy Brand) Wood Edge Single Door in Wood Frames with a Bumper Threshold (Inswing)," prepared by manufacturer, dated 7/29/97 with revision C dated 01/15/01, bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

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

4. INSTALLATION

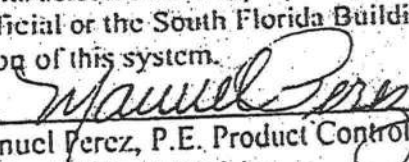
- 4.1 The residential insulated steel door and its components shall be installed in strict compliance with the approved drawings.
- 4.2 Hurricane protection system (shutters):
- 4.2.1 Door: the installation of this unit will not require a hurricane protection system.
- 4.2.2 Sidelite: the installation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

5. LABELING

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

6. BUILDING PERMIT REQUIREMENTS

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


Manuel Perez, P.E. Product Control Examiner
Product Control Division



FEB - 4 2002

January 31, 2002

TO: OUR FLORIDA CUSTOMERS:

Effective February 1, 2002, the following TAMKO shingles, as manufactured at TAMKO's Tuscaloosa, Alabama, facility, comply with ASTM D-3161, Type I modified to 110 mph. Testing was conducted using four nails per shingle. These shingles also comply with Florida Building Code TAS 100 for wind driven rain.

- Glass-Seal AR
- Elite Glass-Seal AR
- ASTM Heritage 30 AR (formerly ASTM Heritage 25 AR)
- Heritage 40 AR (formerly Heritage 30 AR)
- Heritage 50 AR (formerly Heritage 40 AR)

All testing was performed by Florida State certified independent labs.

Please direct all questions to TAMKO's Technical Services Department at 1-800-641-4691.

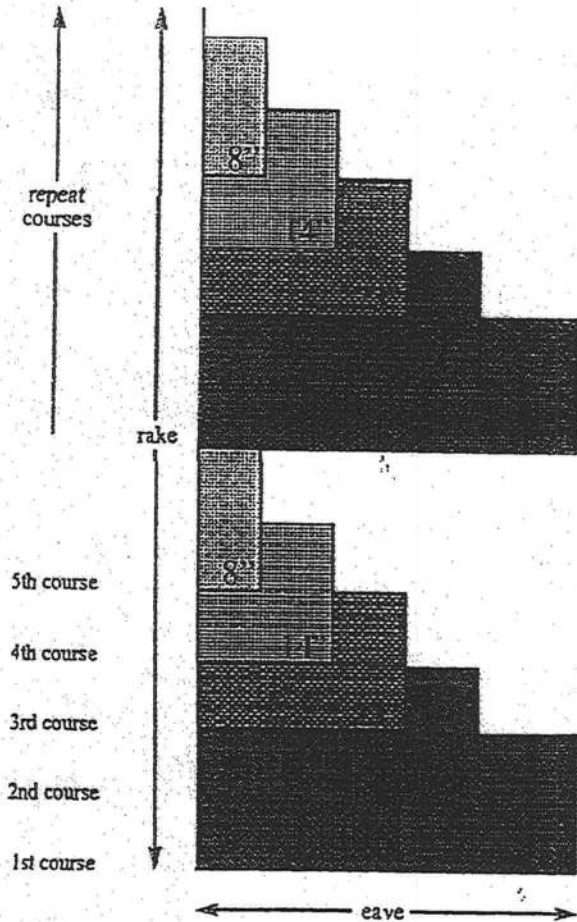
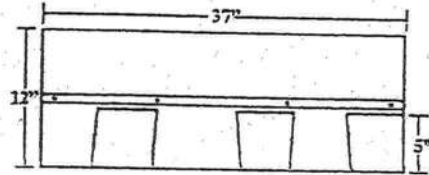
TAMKO Roofing Products, Inc.

CORPORATE HEADQUARTERS
220 W. FOURTH STREET P.O. BOX 1404 JOPLIN, MO 64802-1404 800-641-4691 FAX 800-641-1925

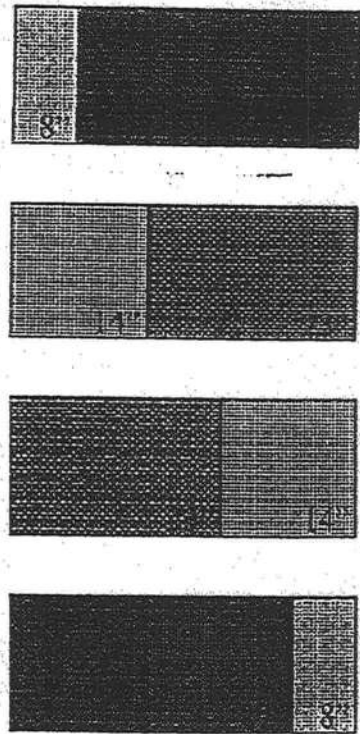


Application Instructions For Heritage® 25 Series Shingles

SPECIFICATIONS (APPROX.)	
Length	37"
Width	12"
Bundles per Sq.	3
Shingles per Sq.	78
Shingles per Bundle	26
Coverage per Sq. (Sq. Ft.)	100
Exposure	5"



The 4 cuts in the first 10 courses:



In the first 10 courses, there are 4 cuts and no waste.

When you reach the other side of the roof, whatever has to be trimmed off can be used in the field of roofing.

For additional application information consult the application instructions printed on the product package.

NOTE: These application instructions apply only to Heritage 25 and Heritage 25 AR shingles.

THREE-TAB ASPHALT SHINGLES

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO ROOFING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS.

THIS PRODUCT IS COVERED BY A LIMITED WARRANTY, THE TERMS OF WHICH ARE PRINTED ON THE WRAPPER. IN COLD WEATHER (BELOW 40°F), CARE MUST BE TAKEN TO AVOID DAMAGE TO THE EDGES AND CORNERS OF THE SHINGLES.

IMPORTANT: It is not necessary to remove the plastic strip from the back of the shingles.

1. ROOF DECK

These shingles are for application to roof decks capable of receiving and retaining fasteners, and to inclines of not less than 2 in. per foot. For roofs having pitches 2 in. per foot to less than 4 in. per foot, refer to special instructions titled "Low Slope Application". Shingles must be applied properly. TAMKO assumes no responsibility for leaks or defects resulting from improper application, or failure to properly prepare the surface to be roofed over.

NEW ROOF DECK CONSTRUCTION: Roof deck must be smooth, dry and free from warped surfaces. It is recommended that metal drip edges be installed at eaves and rakes.

PLYWOOD: All plywood shall be exterior grade as defined by the American Plywood Association. Plywood shall be a minimum of 3/8 in. thickness and applied in accordance with the recommendations of the American Plywood Association.

SHEATHING BOARDS: Boards shall be well-seasoned tongue-and-groove boards and not over 6 in. nominal width. Boards shall be a 1 in. nominal minimum thickness. Boards shall be properly spaced and nailed.

2. VENTILATION

Inadequate ventilation of attic spaces can cause accumulation of moisture in winter months and a build up of heat in the summer. These conditions can lead to:

1. Vapor Condensation
2. Buckling of shingles due to deck movement.
3. Rotting of wood members.
4. Premature failure of roof.

To insure adequate ventilation and circulation of air, place louvers of sufficient size high in the gable ends and/or install continuous ridge and soffit vents.

FHA minimum property standards require one square foot of net free ventilation area to each 150 square feet of space to be vented, or one square foot per 300 square feet if a vapor barrier is installed on the warm side of the ceiling or if at least one half of the ventilation is provided near the ridge. If the ventilation openings are screened, the total area should be doubled.

IT IS PARTICULARLY IMPORTANT TO PROVIDE ADEQUATE VENTILATION.

3. FASTENING

NAILS: TAMKO recommends the use of nails as the preferred method of application.

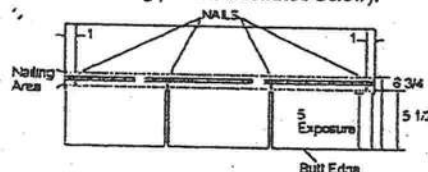
WIND CAUTION: Extreme wind velocities can damage these shingles after application when proper sealing of the shingles does not occur. This can especially be a problem if the shingles are applied in cooler months or in areas on the roof that do not receive direct sunlight. These

conditions may impede the sealing of the adhesive strips on the shingles. The inability to seal down may be compounded by prolonged cold weather conditions and/or blowing dust. In these situations, hand sealing of the shingles is recommended. Shingles must also be fastened according to the fastening instructions described below.

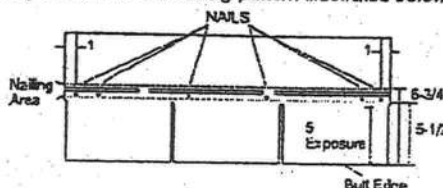
Correct placement of the fasteners is critical to the performance of the shingle. If the fasteners are not placed as shown in the diagrams and described below, TAMKO will not be responsible for any shingles blown off or displaced. TAMKO will not be responsible for damage to shingles caused by winds or gusts exceeding gale force. Gale force shall be the standard as defined by the U.S. Weather Bureau.

FASTENING PATTERNS: Fasteners must be placed above or below the factory applied sealant in an area between 5-1/2" and 6-3/4" from the butt edge of the shingle. Fasteners should be located horizontally according to the diagram below. Do not nail into the sealant. TAMKO recommends nailing below the sealant whenever possible for greater wind resistance.

- 1) Standard Fastening Pattern. (For use on decks with slopes 2 in. per foot to 21 in. per foot.) One fastener 1 in. back from each end and one 12 in. back from each end of the shingle for a total of 4 fasteners. (See standard fastening pattern illustrated below.)



- 2) Mansard or High Wind Fastening Pattern. (For use on decks with slopes greater than 21 in. per foot.) One fastener 1 in. back from each end and one fastener 10-1/2 in. back from each end and one fastener 13-1/2 in. back from each end for a total of 6 fasteners per shingle. (See Mansard fastening pattern illustrated below.)



NAILS: TAMKO recommends the use of nails as the preferred method of application. Standard type roofing nails should be used. Nail shanks should be made of minimum 12-gauge wire, and a minimum head diameter of 3/8 in. Nails should be long enough to penetrate 3/4 in.

(Continued)

Visit Our Web Site at
www.tamko.com

Central District	220 West 4th St., Joplin, MO 64801	800-641-4691
Northeast District	4500 Tamko Dr., Frederick, MD 21701	800-368-2055
Southeast District	2300 35th St., Tuscaloosa, AL 35401	800-228-2656
Southwest District	7910 S. Central Exp., Dallas, TX 75216	800-443-1834
Western District	5300 East 43rd Ave., Denver, CO 80216	800-530-8868

07/01

THREE-TAB ASPHALT SHINGLES

with quick setting asphalt adhesive cement immediately upon installation. Spots of cement must be equivalent in size to a \$.25 piece and applied to shingles with a 5 in. exposure, use 6 fasteners per shingle. See Section 3 for the Mansard Fastening Pattern.

9. RE-ROOFING

Before re-roofing, be certain to inspect the roof decks. All plywood shall meet the requirements listed in Section 1.

Nail down or remove curled or broken shingles from the existing roof. Replace all missing shingles with new ones to provide a smooth base. Shingles that are buckled usually indicate warped decking or protruding nails. Hammer down all protruding nails or remove them and refasten in a new location. Remove all drip edge metal and replace with new.

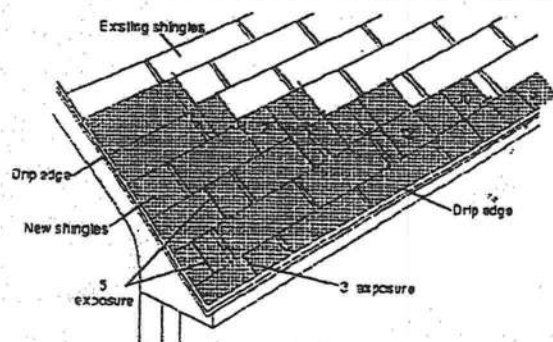
If re-roofing over an existing roof where new flashing is required to protect against ice dams (freeze/thaw cycle of water and/or the backup of water in frozen or clogged gutters), remove the old roofing to a point at least 24 in. beyond the interior wall line and apply TAMKO's Moisture Guard Plus® waterproofing underlayment. Contact TAMKO's Technical Services Department for more information.

The nesting procedure described below is the preferred method for re-roofing over square tab strip shingles with a 5 in. exposure.

Starter Course: Begin by using TAMKO Shingle Starter or by cutting shingles into 5 x 36 inch strips. This is done by removing the 5 in. tabs from the bottom and approximately 2 in. from the top of the shingles so that the remaining portion is the same width as the exposure of the old shingles. Apply the starter piece so that the self-sealing adhesive lies along the eaves and is even with the existing roof. The starter strip should be wide enough to overhang the eaves and carry water into the gutter. Remove 3 in. from the length of the first starter shingle to ensure that the joints from the old roof do not align with the new.

First Course: Cut off approximately 2 in. from the bottom edge of the shingles so that the shingles fit beneath the existing third course and align with the edge of the starter strip. Start the first course with a full 36 in. long shingle and fasten according to the instructions printed in Section 3.

Second and Succeeding Courses: According to the off-set application method you choose to use, remove the appropriate length from the



rake end of the first shingle in each succeeding course. Place the top edge of the new shingle against the butt edge of the old shingles in the courses above. The full width shingle used on the second course will reduce the exposure of the first course to 3 in. The remaining courses will automatically have a 5 in. exposure.

9. VALLEY APPLICATION

Over the shingle underlayment, center a 36 in. wide sheet of TAMKO Nail-Fast® or a minimum 50-lb. roll roofing in the valley. Nail the felt only where necessary to hold it in place and then only nail the outside edges.

IMPORTANT: PRIOR TO INSTALLATION WARM SHINGLES TO PREVENT DAMAGE WHICH CAN OCCUR WHILE BENDING SHINGLES TO FORM VALLEY.

- Apply the first course of shingles along the eaves of one of the intersecting roof planes and across the valley.

Note: For proper flow of water over the trimmed shingle, always start applying the shingles on the roof plane that has the lower slope or less height.

- Extend the end shingle at least 12 in. onto the adjoining roof. Apply succeeding courses in the same manner, extending them across the valley and onto the adjoining roof.
- Do not trim if the shingle length exceeds 12 in. Lengths should vary.
- Press the shingles tightly into the valley.
- Use normal shingle fastening methods.

Note: No fastener should be within 6 in. of the valley centerline, and two fasteners should be placed at the end of each shingle crossing the valley.

- To the adjoining roof plane, apply one row of shingles extending it over previously applied shingles and trim a minimum of 2 in. back from the centerline of the valley.

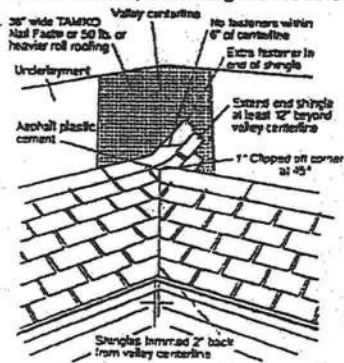
Note: For a neater installation, snap a chalkline over the shingles for guidance.

- Clip the upper corner of each shingle at a 45-degree angle and embed the end of the shingle in a 3 in. wide strip of asphalt plastic cement. This will prevent water from penetrating between the courses by directing it into the valley.

CAUTION: Adhesive must be applied in smooth, thin, even layers.

Excessive use of adhesive will cause blistering to this product.

TAMKO assumes no responsibility for blistering.



(Continued)

Visit Our Web Site at
www.tamko.com

Central District 220 West 4th St., Joplin, MO 64801
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Southeast District 2300 35th St., Tuscaloosa, AL 35401
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Western District 5300 East 43rd Ave., Denver, CO 80216

800-641-4691
800-368-2055
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800-530-8868

07/01



(CONTINUED from Pg. 3)

• Glass-Seal
• Glass-Seal AR

• Elite Glass-Seal®
• Elite Glass-Seal® AR

THREE-TAB ASPHALT SHINGLES

FOR ALTERNATE VALLEY APPLICATION METHODS, PLEASE CONTACT TAMKO'S TECHNICAL SERVICES DEPARTMENT.

19. HIP AND RIDGE FASTENING DETAIL

Apply the shingles with a 5 in. exposure beginning at the bottom of the hip or from the end of the ridge opposite the direction of the prevailing winds. Secure each shingle with one fastener 5-1/2 in. back from the exposed end and 1 in. up from the edge. Do not nail directly into the sealant.

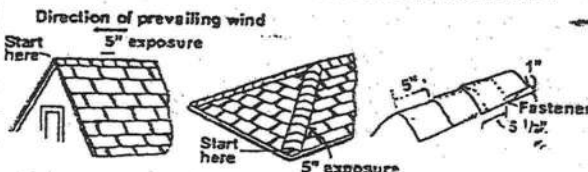
TAMKO recommends the use of TAMKO Hip & Ridge shingle products. Where matching colors are available, it is acceptable to use TAMKO's Glass-Seal or Elite Glass-Seal shingles cut down to 12 in. pieces.

NOTE: AR type shingle products should be used as Hip & Ridge on Glass-Seal AR and Elite Glass-Seal AR shingles.

Fasteners should be 1/4 in. longer than the one used for shingles.

IMPORTANT: PRIOR TO INSTALLATION, CARE NEEDS TO BE TAKEN TO PREVENT DAMAGE WHICH CAN OCCUR WHILE BENDING SHINGLES IN COOL WEATHER.

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO ROOFING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS.



THIS PRODUCT IS COVERED BY A LIMITED WARRANTY. THE TERMS OF WHICH ARE PRINTED ON THE WRAPPER.

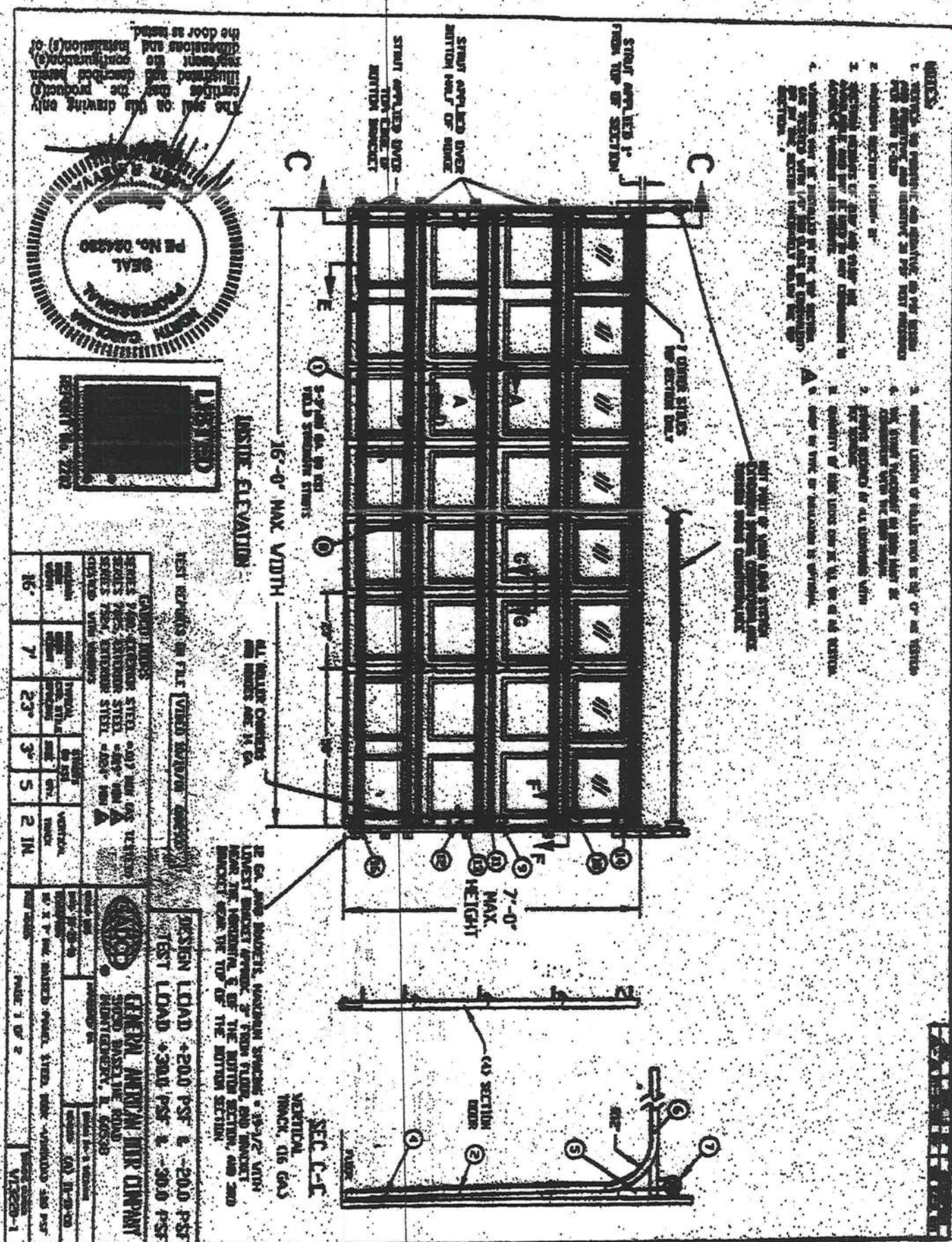
IMPORTANT - READ CAREFULLY BEFORE OPENING BUNDLE

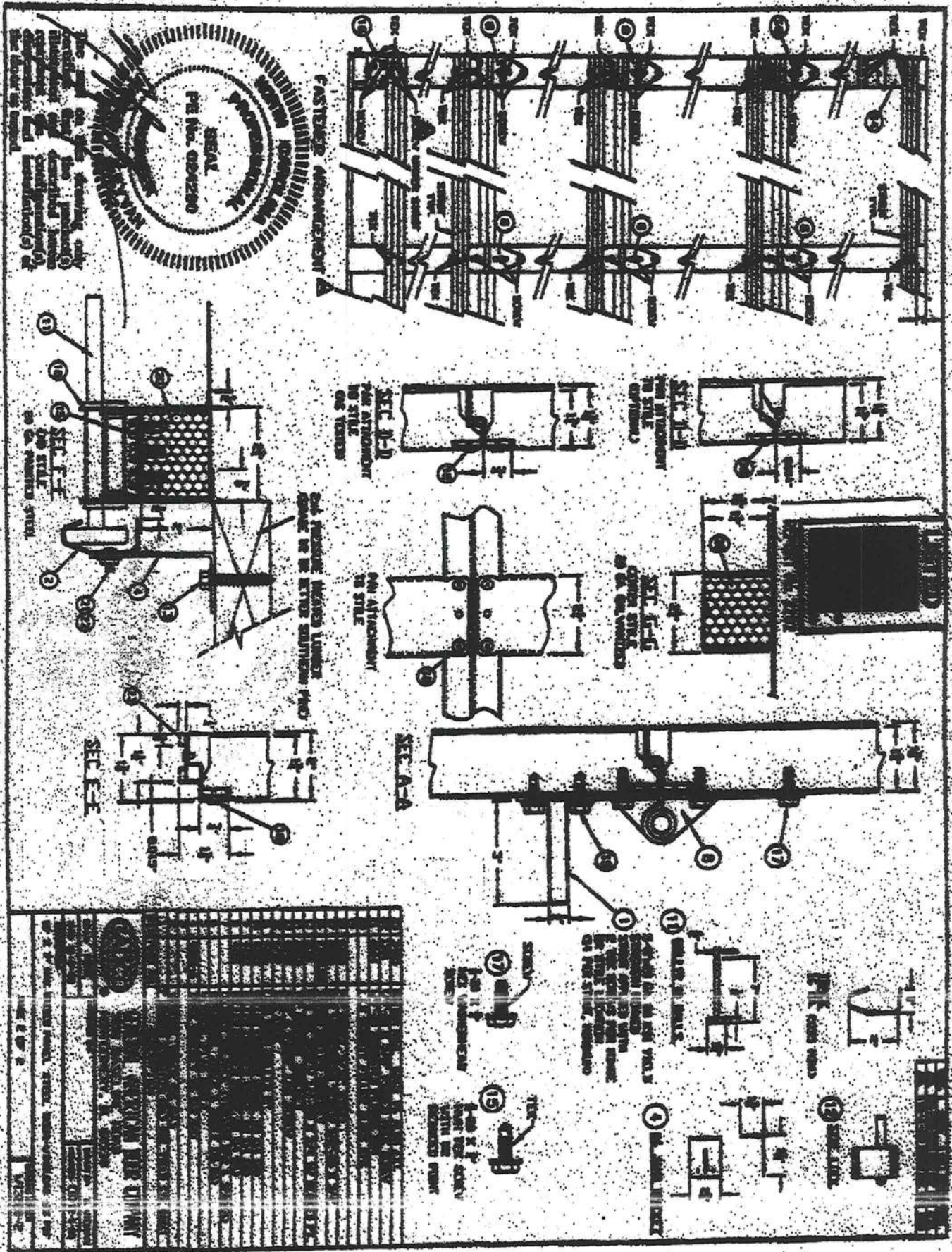
In this paragraph "You" and "Your" refer to the installer of the shingles and the owner of the building on which these shingles will be installed. This is a legally binding agreement between You and TAMKO Roofing Products, Inc. ("TAMKO"). By opening this bundle You agree: (a) to install the shingles strictly in accordance with the instructions printed on this wrapper; or (b) that shingles which are not installed strictly in accordance with the instructions printed on this wrapper are sold "AS IS" and are not covered by the limited warranty that is also printed on this wrapper, or any other warranty, including, but not limited to (except where prohibited by law) implied warranties of MERCHANTABILITY and FITNESS FOR USE.

Visit Our Web Site at
www.tamko.com

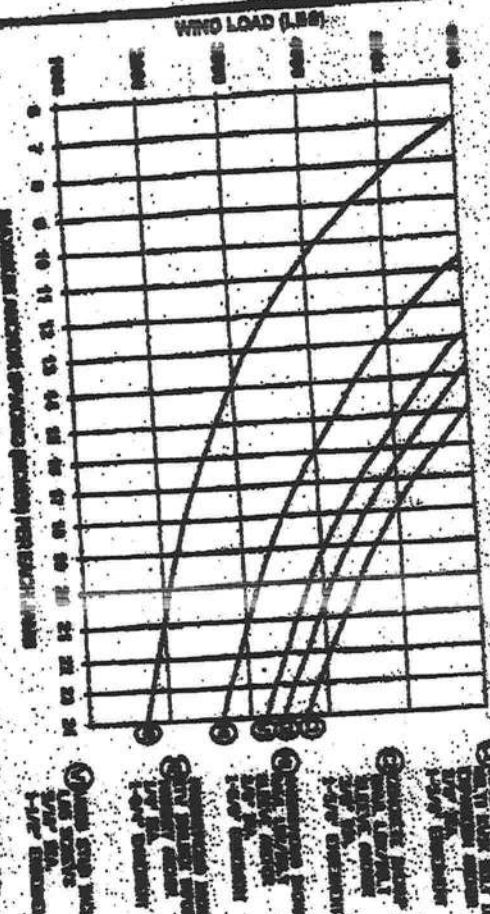
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07/01



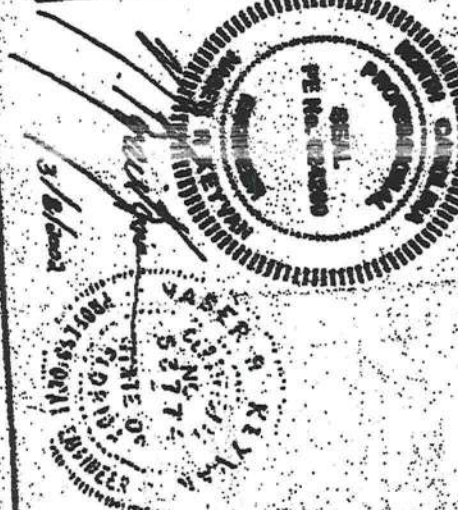
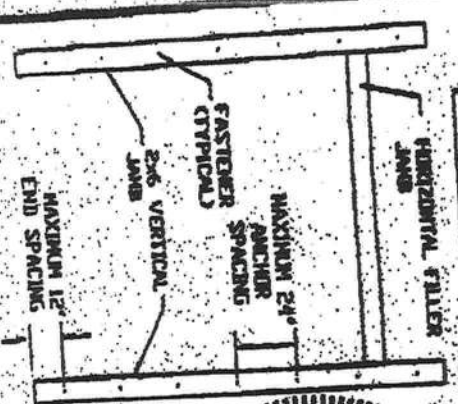


WIND LOAD vs. ANCHOR SPACING



DESIGN CLASS X GARAGE DOOR HEIGHT-FT X WIDTH-FT = WIND LOADS
LBS
F-T

- TABLE
- 20 LBS X 0.6 FT WIRE X 0 FT HEAD = 2000 LBS
- 1. USE 2" SPACING
 - 2. USE 2" SPACING
 - 3. USE 2" SPACING
 - 4. USE 1" SPACING
- USE 1" SPACING



2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

2x6 PRESSURE TREATED LAMINATE OR BETTER SUBSTITUTION PINE, VENEER AND SHALL BE ANCHORED TO BUILDING WOOD FRAME, CONCRETE AND REINFORCED CONCRETE MASONRY UNIT CONCRETE WALLS OR COLUMNS OR REINFORCED CONCRETE COLUMNS.

ANCHORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS, RESTRICTIONS AND RECOMMENDATIONS.

1. ALL ANCHORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS, RESTRICTIONS AND RECOMMENDATIONS.

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23. ALL ANCHORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS, RESTRICTIONS AND RECOMMENDATIONS.

24. ALL ANCHORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS, RESTRICTIONS AND RECOMMENDATIONS.

GENERAL AMERICAN DOOR COMPANY
1000 EAST 10TH AVENUE
DENVER, CO 80202
TEL: 303-733-1111
FAX: 303-733-1112
WWW: WWW.GADCORP.COM

**AAMA/NWDA 101/LS-2-97
TEST REPORT SUMMARY**

Rendered to:

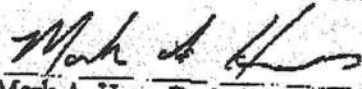
MI HOME PRODUCTS, INC.

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

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

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

For ARCHITECTURAL TESTING, INC.


Mark A. Hess, Technician

MAH:mb


Allen R. Reeves
1 APRIL 2002

II

Architectural Testing

AAMA/NWDA 101/LS-2-97 TEST REPORT

Rendered to

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

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

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

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

Test Specimen Description:

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

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

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

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

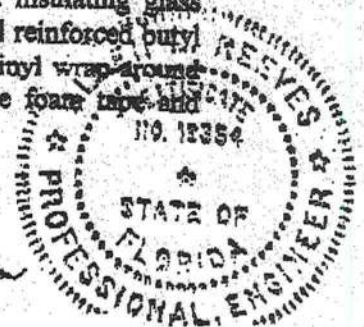
Screen Size: 4' 0-1/4" wide by 2' 11-1/8" high

Finish: All aluminum was white.

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

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

Allen N. Reeves
1 APRIL 2002



III

Test Specimen Description: (Continued)

Weatherstripping:

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

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

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

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

Hardware:

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

Allen H. Reeves
1 APRIL 2002



IV

Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

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

Test Results:

The results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.1	Operating Force	11 lbs	30 lbs max
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.13 cfm/ft ²	0.3 cfm/ft ² max
	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds) @ 25.9 psf (positive) @ 34.7 psf (negative)	0.42"* 0.43"*	0.26" max. 0.26" max.
	*Exceeds L/175 for deflection, but passes all other test requirements.		
2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds) @ 38.9 psf (positive) @ 52.1 psf (negative)	0.02" 0.02"	0.18" max. 0.18" max.

Allen N. Reeves
1 APR 12 2002



Test Specimen Description: (Continued)

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

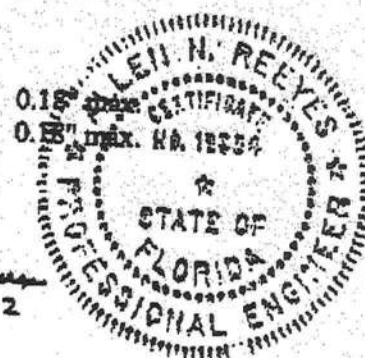
Optional Performance

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

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

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

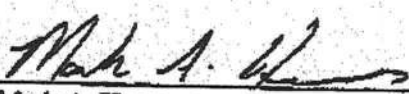
Allen N. Reeves
1 APRIL 2002



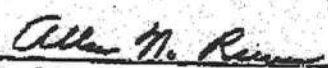
VI

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

For ARCHITECTURAL TESTING, INC:


Mark A. Hess
Technician

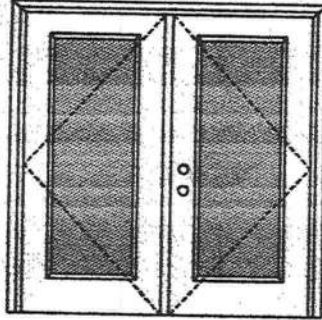
MAH:nlb
01-41134.01


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



WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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
+40.5/-40.5
Limited water unless special threshold design is used.

Large Missile Impact Resistance
Hurricane protective system (shutters) is REQUIRED.

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

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0012-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

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

APPROVED DOOR STYLES:

1/4 GLASS:



100 Series



133, 135 Series



136 Series



680 Series



822 Series

1/2 GLASS:



105 Series*



106, 160 Series*



129 Series*



200 Series*



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



107 Series*



108 Series



304 Series

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

Johnson
EntrySystems

March 29, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

PREMIER Collection
Premium Quality Doors

Exclusively from
Masonite
Masonite International Corporation

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES: 3/4 GLASS:



404 Series

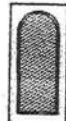


410 Series

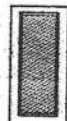


450 Series

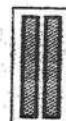
FULL GLASS:



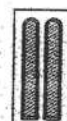
100 Series



114, 120, 122
Series



152 Series



149 Series



300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1864-5, 6, 7, 8; NCTL 210-2178-1, 2, 3

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

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

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

Frame constructed of wood with an extruded aluminum bumper threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

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

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

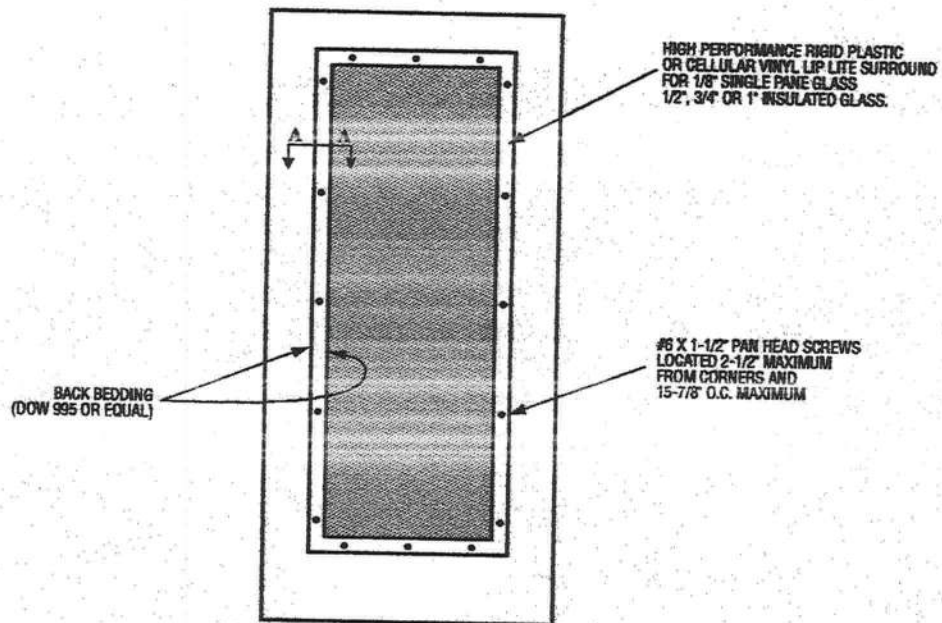
Johnson
EntrySystems

March 29, 2002
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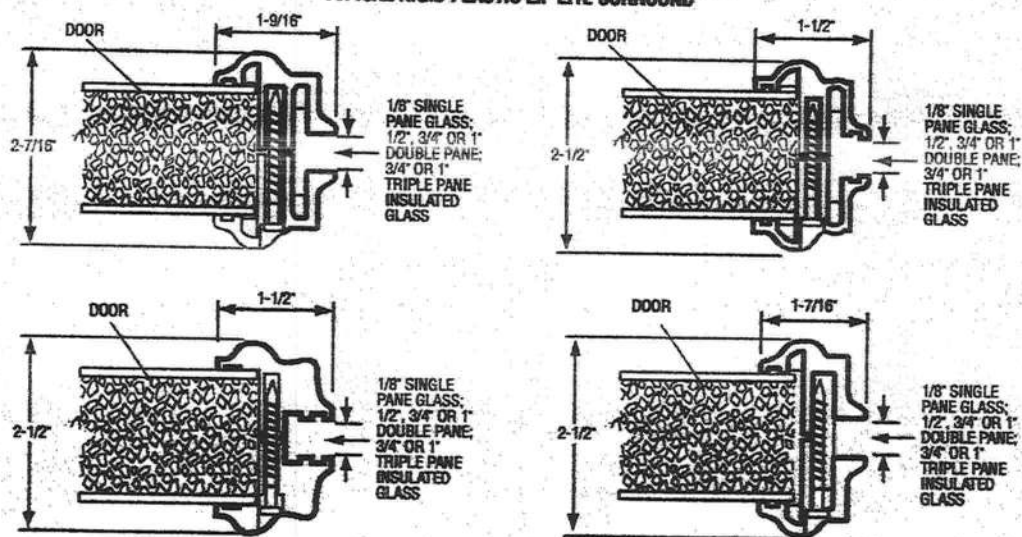


Exclusively from
Masonite
Masonite International Corporation

GLASS INSERT IN DOOR OR SIDELITE PANEL



SECTION A-A TYPICAL RIGID PLASTIC LIP LITE SURROUND



March 29, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.



Exclusively from
Masonite®
Masonite International Corporation



BRITT SURVEYING

830 West Duval Street • Lake City, FL 32055
Phone (386) 752-7163 • Fax (386) 752-5573

Land Surveyors
and Mappers

23885

03/10/06

L-17187

To Whom It May Concern:

C/o: Gary Martin

Re: Lot 37 Cannon Creek Place

The elevation of the foundation is found to be 97.27 feet. The proposed floor elevation is shown to be 95.50 feet on the plat of record. The highest adjacent grade is 95.9 feet and the lowest adjacent grade is 95.6 feet. The centerline of the adjacent road is 95.93 feet. Elevations are based on NGVD29 datum.


L. Scott Britt
PLS #5757

COLUMBIA COUNTY FLORIDA DEPARTMENT OF BUILDING AND ZONING 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 24-4S-16-03114-137

Building permit No. 000023885

Use Classification SFD/UTILITY

Fire: 29.60

Permit Holder ROB STEWART

Waste: 61.25

Owner of Building ROB STEWART

Total: 90.85

Location: 176 SW ARROWBEND DRIVE(CANNON CREEK PL, LOT 37)

Date: 05/24/2006



[Signature]
Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Notice of Treatment

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

Address: BAY AVE

City: LC Phone: 752.1793

Site Location: Subdivision Cannon Creek Race

Lot # 37 Block # 23885

Address 176 SW Arrow Bend Dr

Product used

☐ Premise

☐ Termidor

☒ Bora-Care

Active Ingredient

Imidacloprid

Fipronil

Disodium Octaborate Tetrahydrate

% Concentration

0.1%

0.12%

23.0%

Type treatment:

☐ Soil

☒ Wood

Area Treated

Square feet

Linear feet

Gallons Applied

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

If this notice is for the final exterior treatment, initial this line _____

Date

Time

Print Technician's Name

Remarks:

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05 ©

Notice of Intent for Preventative Treatment for Termites

(As required by Florida Building Code 104.2.6)

Date: 12/30/05 Lot # 37 Cannon Creek Place Permit # 23885
176 SW ARROWBEND DRIVE Lake City
 (Address of Treatment or Lot/Block of Treatment) City

Florida Pest Control & Chemical Co.

www.flapest.com

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

Chemical to be used: 23% Disodium Octaborate Tetrahydrate

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

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

6/05 ©