DATE 12/08/2005

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000023945

APPLICANT RON PRESTON PHONE 386.497.4915

ADDRESS 479 SW OLD SPANISH ROAD FT. WHITE FL 32038

OWNER RON PRESTON PHONE 386.497.4915

ADDRESS 479 SW OLD SPANISH ROAD FT. WHITE FL 32038

CONTRACTOR OWNER BUILDER PHONE

LOCATION OF PROPERTY 1/2 MILE PAST ICHETUCKNEE SPRINGS STATE PARK,KEEP STRAIGHT
ON TO OLD SPANISH ROAD, 1/4 MILE ON R. (0FF C-238)

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 60000.00

HEATED FLOOR AREA 1200.00 TOTAL AREA 1584.00 HEIGHT 22.00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 10'12 FLOOR CONC

LAND USE & ZONING A-3 MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

NO. EX.D.U. 1 FLOOD ZONE XPP DEVELOPMENT PERMIT NO.

PARCEL ID 01-6S-15-00496-005 SUBDIVISION ICHETUCKNEE FOREST

LOT 5 BLOCK B PHASE 1 UNIT TOTAL ACRES 8.00

Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor
EXISTING	05-1118-E	BLK	JTH	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: 1 FOOT ABOVE ROAD. M/H TO BE REMOVED BEFORE C.O. CAN BE ISSUED.

Check # or Cash CASH REC'D.

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ date/app. by

Foundation _____ date/app. by

Monolithic _____ date/app. by

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

Slab _____ date/app. by

Sheathing/Nailing _____ date/app. by

Framing _____ date/app. by

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

Electrical rough-in _____ date/app. by

Heat & Air Duct _____ date/app. by

Peri. beam (Lintel) _____ date/app. by

Permanent power _____ date/app. by

C.O. Final _____ date/app. by

Culvert _____ date/app. by

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

Pool _____ date/app. by

Reconnection _____ date/app. by

Pump pole _____ date/app. by

Utility Pole _____ date/app. by

M/H Pole _____ date/app. by

Travel Trailer _____ date/app. by

Re-roof _____ date/app. by

BUILDING PERMIT FEE $ 300.00 CERTIFICATION FEE $ 7.92 SURCHARGE FEE $ 7.92

MISC. FEES $ .00 ZONING CERT. FEE $ 50.00 FIRE FEE $ .00 WASTE FEE $

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ **TOTAL FEE** 390.84

INSPECTORS OFFICE CLERKS OFFICE CH

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0511-50 Date Received 11-28-05 By LH Permit # 23945

Application Approved by - Zoning Official BLK Date 29/11/05 Plans Examiner OK STH Date 12-7-05

Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3

Comments Per PLAT MH to be Removed before CO can be issued ✓

(NOC) (Septic site plan) SITE PLAN ON PLANS ✓

CALLed 11-30-05 LEFT CALL Back

Applicants Name Ron Preston Phone 386 497 4915

Address 479 SW old Spanish Road FT White FL 32038

Owners Name Ron Preston (same) Phone Same

911 Address 479 SW old Spanish Rd ft. White fl 32038

Contractors Name Owner Phone

Address

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Tim Delbene

Mortgage Lenders Name & Address N/A

Circle the correct power company – FL Power & Light – (Clay Elec.) – Suwannee Valley Elec. – Progressive Energy

Property ID Number 01-65-15-00496-005 Estimated Cost of Construction 45000.00

Subdivision Name Ichetucknee Forest (B) Lot 5 Block ____ Unit ____ Phase ____

Driving Directions West ½ mile past Ichetucknee Springs State Park straight on C-238 (W) old Spanish Road ¼ mile on Right driveway all The way back

Type of Construction SFD Number of Existing Dwellings on Property

Total Acreage 8 Lot Size ____ Do you need a - Culvert Permit or Culvert Waiver or (Have an Existing Drive)

Actual Distance of Structure from Property Lines - Front 1000' ✓ Side 60' ✓ Side 180' ✓ Rear 80' ✓

Total Building Height 22' Number of Stories 1 Heated Floor Area 1200 Roof Pitch 10/12

Porches = 384 TOTAL 1584

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 COMMENCMENT 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)

Contractor Signature

Contractors License Number

Competency Card Number

STATE OF FLORIDA
COUNTY OF COLUMBIA

LAURIE HODSON
MY COMMISSION # DD 383503
EXPIRES: June 28, 2008
Bonded Thru Notary Public Underwriters

NOTARY STAMP/SEAL

Sworn to (or affirmed) and subscribed before me

this 11 day of 28 20 05.

Personally known ____ or Produced Identification ✓

Notary Signature

$390.84

Called & Left MESSAGE on Recorde 12.7.05

ICHETUCKNEE FOREST

~~BLOCKS "A" & "B"~~, PHASE "2

THE EAST 1/2 OF SECTION 2, AND PART OF THE SOUTH 1/2 OF THE SOUTH
SECTION 2, TOWNSHIP - 6- SOUTH, RANGE - 15 - EAST, COLUMBIA COUN

IPTION

T 1/2 OF SECTION 2, AND PART OF THE SOUTH 1/2 OF THE SOUTHWEST 1/4 OF
2, TOWNSHIP-6-SOUTH, RANGE-15-EAST, COLUMBIA COUNTY, FLORIDA. BEING
RTICULARLY DESCRIBED AS FOLLOWS:

E AT THE SOUTHEAST CORNER OF SAID SECTION 2, BEING A FOUND IRON PIPE,
ALONG THE EAST LINE OF THE SOUTHEAST 1/4 OF SAID SECTION, NORTH 01°
WEST A DISTANCE OF 30.00 FEET TO A SET CONCRETE MONUMENT ON THE NORTH
F-WAY LINE OF OLD BELLAMY ROAD (A 60 FOOT RIGHT-OF-WAY NOW EXISTS)
POINT OF BEGINNING; THENCE CONTINUE ALONG SAID EAST LINE NORTH 01°
WEST A DISTANCE OF 1295.58 FEET TO A SET CONCRETE MONUMENT BEING
JTHEAST CORNER OF THE NORTHEAST 1/2 OF SAID SOUTHEAST 1/4 OF SECTION
CE RUN ALONG THE EAST LINE OF SAID SOUTHEAST 1/4 NORTH 01°19'59" WEST,
FEET TO A FOUND CONCRETE MONUMENT BEING THE EAST 1/4 CORNER OF SAID
2; THENCE RUN ALONG THE EAST LINE OF SAID NORTHEAST 1/4 OF SECTION 2,
1° 16' 12" WEST, 2654.32 FEET TO A FOUND CONCRETE MONUMENT BEING THE
ST CORNER OF SECTION 2; THENCE RUN ALONG THE NORTH LINE OF SECTION,
H 88° 27' 15" WEST, 2658.71 FEET TO A SET CONCRETE MONUMENT BEING THE
ST CORNER OF SAID NORTHEAST 1/4; THENCE RUN ALONG THE WEST LINE OF
T 1/2 OF SAID SECTION 2, SOUTH 01°05'04" EAST A DISTANCE OF 3988.02
A SET CONCRETE MONUMENT BEING THE NORTHEAST CORNER OF THE SOUTH 1/2
SOUTHWEST 1/4 OF SAID SECTION 2; THENCE RUN ALONG THE NORTH LINE OF
OUTH 1/2 SOUTH 88°39'30" WEST A DISTANCE OF 33.75 FEET TO A SET
E MONUMENT; THENCE LEAVING SAID NORTH LINE RUN SOUTH 01°05'04" EAST
E OF 1290.51 FEET TO A SET CONCRETE MONUMENT ON THE NORTH RIGHT-OF-
E OF SAID OLD BELLAMY ROAD; THENCE RUN ALONG SAID RIGHT-OF-WAY LINE
CURVE CONCAVE SOUTHERLY HAVING A CORD BEARING AND DISTANCE OF
86° 42' 06" EAST, 227.32 FEET AN ARC DISTANCE OF 227.35 FEET TO

Dedication

~~ADOPTION~~ AND RES

KNOW ALL MEN BYTHESE PRES
HAS CAUSED THE LAND SHO
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DRAINAGE IMPROVEMENTS AND
CORPORATION GULF ATLANTI

WITNESS

WITNESS

STATE OF FLORIDA

THE FOREGOING INSTRUME
BY JEFFRY L. FORBES,
CORPORATION ON BEHALF

NOTARY PUBLIC, STATE
MY COMMISSION EXPIRES

AND THE POINT OF BEGINNING; THENCE CONTINUE ALONG SAID EAST LINE NORTH 01 19'59" WEST A DISTANCE OF 1295.58 FEET TO A SET CONCRETE MONUMENT BEING THE SOUTHEAST CORNER OF THE NORTHEAST 1/2 OF SAID SOUTHEAST 1/4 OF SECTION 2; THENCE RUN ALONG THE EAST LINE OF SAID SOUTHEAST 1/4 NORTH 01°19'59" WEST, 1325.58 FEET TO A FOUND CONCRETE MONUMENT BEING THE EAST 1/4 CORNER OF SAID SECTION 2; THENCE RUN ALONG THE EAST LINE OF SAID NORTHEAST 1/4 OF SECTION 2, NORTH 01° 16' 12" WEST, 2654.32 FEET TO A FOUND CONCRETE MONUMENT BEING THE NORTHEAST CORNER OF SECTION 2; THENCE RUN ALONG THE NORTH LINE OF SECTION, 2, SOUTH 88° 27' 15" WEST, 2658.71 FEET TO A SET CONCRETE MONUMENT BEING THE NORTHWEST CORNER OF SAID NORTHEAST 1/4; THENCE RUN ALONG THE WEST LINE OF THE EAST 1/2 OF SAID SECTION 2, SOUTH 01°05'04" EAST A DISTANCE OF 3988.02 FEET TO A SET CONCRETE MONUMENT BEING THE NORTHEAST CORNER OF THE SOUTH 1/2 OF THE SOUTHWEST 1/4 OF SAID SECTION 2; THENCE RUN ALONG THE NORTH LINE OF SAID SOUTH 1/2 SOUTH 88°39'30" WEST A DISTANCE OF 33.75 FEET TO A SET CONCRETE MONUMENT; THENCE LEAVING SAID NORTH LINE RUN SOUTH 01°05'04" EAST DISTANCE OF 1290.51 FEET TO A SET CONCRETE MONUMENT ON THE NORTH RIGHT-OF-WAY LINE OF SAID OLD BELLAMY ROAD; THENCE RUN ALONG SAID RIGHT-OF-WAY LINE BEING A CURVE CONCAVE SOUTHERLY HAVING A CORD BEARING AND DISTANCE OF NORTH 86° 42' 06" EAST, 227.32 FEET AN ARC DISTANCE OF 227.35 FEET TO A SET CONCRETE MONUMENT AND THE POINT OF TANGENCY; THENCE CONTINUE ALONG SAID NORTH RIGHT-OF-WAY LINE NORTH 88°12'14" EAST A DISTANCE OF 560.00 FEET TO A SET CONCRETE MONUMENT AND THE POINT OF CURVATURE; THENCE CONTINUE ALONG SAID NORTH RIGHT-OF-WAY LINE BEING A CURVE CONCAVE SOUTHERLY AND HAVING A CHORD BEARING AND DISTANCE OF SOUTH 86°50'19" EAST, 520.75 FEET AN ARC DISTANCE OF 521.40 FEET TO A SET CONCRETE MONUMENT ON THE SOUTH LINE OF THE SOUTHEAST 1/4 OF SAID SECTION 2; THENCE LEAVING SAID NORTH RIGHT-OF-WAY LINE RUN ALONG SAID SOUTH LINE NORTH 88°12'14" EAST A DISTANCE OF 946.27 FEET TO A SET CONCRETE MONUMENT ON THE NORTH RIGHT-OF-WAY LINE OF SAID OLD BELLAMY ROAD; THENCE LEAVING SAID SOUTH LINE RUN ALONG SAID NORTH RIGHT-OF-WAY BEING A CURVE CONCAVE SOUTHERLY AND HAVING A CHORD BEARING AND DISTANCE OF NORTH 84°28'14" EAST, 460.73 FEET AN ARC DISTANCE OF 461.01 FEET TO A SET CONCRETE MONUMENT AND THE POINT OF TANGENCY; THENCE CONTINUE ALONG SAID NORTH RIGHT-OF-WAY LINE NORTH 88°02'38" EAST A DISTANCE OF 0.38 FEET TO THE POINT OF TANGENCY AND THE POINT OF BEGINNING.
CONTAINING 324.98 ACRES OF LAND, MORE OR LESS.

FLOOD HAZARD NOTE

THE ABOVE DESCRIBED LANDS LIE WITHIN FLOOD ZONE X, AS INDICATED ON NATIONAL FLOOD PROGRAM RATE MAP, PANAL NUMBER 120070-0225B, DATED: JAN. 6 1988, COLUMBIA COUNTY, FLORIDA.

NOTICE

THERE MAY BE ADDITIONAL RESTRICTIONS THAT ARE NOT RECORDED ON THIS PLAT THAT MAY BE

WITNESS

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STATE

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DISCLOSURE STATEMENT

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

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

TYPE OF CONSTRUCTION

(X) Single Family Dwelling
( ) Farm Outbuilding
( ) New Construction
( ) Two-Family Residence
( ) Other_____
( ) Addition, Alteration, Modification or other Improvement

NEW CONSTRUCTION OR IMPROVEMENT

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

Signature 10/31/05 Date

FOR BUILDING USE ONLY

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

Date 11-28-05 Building Official/Representative David Summers

JAC:tah
9-88-3052
6/8/88

Doc 27
June 17 1988
Int 34.00

This Instrument Prepared By:
JILL A. CONTI
DARBY, PEELE, BOWDOIN, MANASCO & PAYNE
Attorneys at Law
327 North Hernando Street
Lake City, Florida 32055

88 06378

FILED AND RECORDED
1988 JUN 28 PM 4:20
RECORD VERIFIED
CLERK OF COURTS
COLUMBIA COUNTY, FLORIDA

MORTGAGE

THIS INDENTURE made this 10th day of June, 1988, between RON D. PRESTON and CINDY F. PRESTON (herein "Mortgagor") and PATTEN CORPORATION GULF-ATLANTIC, a Delaware corporation qualified to do business in the State of Florida (herein "Mortgagee").

W I T N E S S E T H:

That Mortgagor in consideration of the sum of ONE AND NO/100 ($1.00) DOLLAR and other valuable considerations, the receipt of which is acknowledged, has granted, bargained and sold to Mortgagee, its successors and assigns forever, the following described land in Suwannee County, Florida, to-wit:

Lot 5, Tract "B", Phase 1, ICHETUCKNEE FOREST, a subdivision according to plat thereof, recorded in Plat Book 5, pages 119 and 119A, a replat of Ichetucknee Forest, Tract B, Phase 1, public records, Columbia County, Florida.

SUBJECT TO: Declaration of Restrictions and Protective Covenants, recorded May 31, 1988, in Official Records Book 653, pages 341-343; and all utility easements of record or as shown on recorded plat.

(herein "the mortgaged property"), and Mortgagor fully warrants the title thereto, and will defend the same against the lawful claims of all persons whomsoever.

PROVIDED, that if Mortgagor shall pay to Mortgagee a certain promissory note of even date from Mortgagor to Mortgagee in the principal sum of SEVENTEEN THOUSAND AND NO/100 DOLLARS, payable in 180 monthly installments with interest as provided therein, the final payment being due on June 10, 2003, (herein "the note") and shall pay all other sums payable thereunder and hereunder, and perform, comply with and abide by each and every stipulation, condition and covenant of the note and of this mortgage, then this mortgage and the estate hereby created shall cease and be null and void, otherwise to continue in full force and effect.

AND Mortgagor covenants and agrees with Mortgagee as follows:

1. To promptly pay, when due, all sums required to be paid by the note and this mortgage.

2. To pay promptly when due all taxes, assessments, liens and encumbrances on the mortgaged property.

3. To permit or commit no waste, impairment or deterioration of the mortgaged property.

4. To pay all expenses reasonably incurred by Mortgagee because of the failure of Mortgagor to comply with terms, conditions, and covenants of the note and this mortgage, including

OFFICIAL RECORDS
BK 0655 PG 0819

DOCUMENTARY STAMP 25.50
INTANGIBLE TAX 34.00
MARY M. PETRY, CLERK OF
COURTS, COLUMBIA COUNTY
BY MS George D.C.

the payment of reasonable attorney's fees, whether suit be brought or not, and, if suit is brought, all court costs.

5. If any payment provided for in the note or this mortgage is not paid when due, or if any covenant or condition of this mortgage is breached, then the entire unpaid principal balance of the note shall immediately become due and payable at the option of Mortgagee, without notice, and Mortgagee may foreclose this mortgage or bring any other action to enforce the note or this mortgage as permitted by law.

6. The provisions hereof and of the note shall be binding upon Mortgagor, jointly and severally, if more than one, or their heirs, legal representatives and assigns and shall inure to the benefit of Mortgagee, its successors and assigns.

7. If the mortgaged property or any part thereof shall be condemned and taken for public use under power of eminent domain, Mortgagee shall have the right to receive all damages awarded for such taking to be applied to the mortgage indebtedness.

8. Time is of the essence of this mortgage and the note, and no waiver of any obligation hereunder or the obligations secured by the note shall be deemed a waiver of the terms of this mortgage or the note.

9. The terms "Mortgagor" or "Mortgagee" when used herein shall denote the singular or plural wherever the context so admits or requires.

IN WITNESS WHEREOF, Mortgagor has executed and delivered this mortgage the day and year first above written.

Signed, sealed and delivered
in the presence of:

Mary J. Cox

Witnesses

Ron D. Preston (SEAL)
RON D. PRESTON

Cindy F. Preston (SEAL)
CINDY F. PRESTON

STATE OF FLORIDA

COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 10th day of June, 1988, by RON D. PRESTON and CINDY F. PRESTON.

Sheryl K. Smith
Notary Public, State of Florida

(NOTARIAL SEAL)

My Commission Expires:

NOTARY PUBLIC, STATE OF FLORIDA.
MY COMMISSION EXPIRES: OCT. 25, 1991.
BONDED THRU NOTARY PUBLIC UNDERWRITERS.

OFFICIAL RECORDS

BK 0955 PG 0820

FORM 600A-2001

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Preston Residence**	Builder:	**Owner**
Address:	**Lot: 5, Sub: Ichetucknee For, Plat:**	Permitting Office:	**Columbia Co.**
City, State:	**Fort White, FL**	Permit Number:	2396
Owner:	**Ron Preston**	Jurisdiction Number:	~~121000~~ 221000
Climate Zone:	**North**		

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		2	
5. Is this a worst case?		No	
6. Conditioned floor area (ft²)		1200 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	0.0 ft²	177.0 ft²	
b. Default tint	0.0 ft²	0.0 ft²	
c. Labeled U or SHGC	0.0 ft²	0.0 ft²	
8. Floor types			
a. Raised Wood, Stem Wall		ft²	
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior		R=13.0, 981.0 ft²	
b. N/A			
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 1200.0 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 6.0 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 35.0 kBtu/hr	
	SEER: 10.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 35.0 kBtu/hr	
	HSPF: 7.90	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 30.0 gallons	
	EF: 0.90	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT, CF,	

Glass/Floor Area: 0.15

Total as-built points: 17447
Total base points: 18379

PASS

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

PREPARED BY: Tim Delbene

DATE: 7/13/05

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.

GREAT SEAL OF THE STATE OF FLORIDA
IN GOD WE TRUST

BUILDING OFFICIAL: _____

DATE: _____

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 5, Sub: Ichetucknee For, Plat: , Fort White, FL,** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	1200.0	20.04	4328.6	Double, Clear	N	10.0	5.0	6.0	19.20	0.62	71.8	
				Double, Clear	S	10.0	8.0	36.0	35.87	0.49	632.1	
				Double, Clear	E	2.0	8.0	54.0	42.06	0.91	2073.2	
				Double, Clear	E	2.0	5.0	3.0	42.06	0.80	100.6	
				Double, Clear	E	2.0	10.0	24.0	42.06	0.95	957.6	
				Double, Clear	W	2.0	5.0	18.0	38.52	0.80	554.3	
				Double, Clear	W	2.0	8.0	36.0	38.52	0.91	1266.7	
				As-Built Total:				**177.0**			**5656.2**	
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =	Points		
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			13.0	981.0	1.50	1471.5		
Exterior	981.0	1.70	1667.7									
Base Total:	**981.0**		**1667.7**	**As-Built Total:**				**981.0**		**1471.5**		
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =	Points		
Adjacent	0.0	0.00	0.0	Exterior Insulated				21.0	4.10	86.1		
Exterior	42.0	6.10	256.2	Exterior Insulated				21.0	4.10	86.1		
Base Total:	**42.0**		**256.2**	**As-Built Total:**				**42.0**		**172.2**		
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =	Points		
Under Attic	1200.0	1.73	2076.0	Under Attic			30.0	1200.0	1.73 X 1.00	2076.0		
Base Total:	**1200.0**		**2076.0**	**As-Built Total:**				**1200.0**		**2076.0**		
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =	Points		
Slab	0.0(p)	0.0	0.0	Raised Wood, Stem Wall			19.0	1200.0	-1.50	-1800.0		
Raised	1200.0	-3.99	-4788.0									
Base Total:			**-4788.0**	**As-Built Total:**				**1200.0**		**-1800.0**		
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =	Points		
	1200.0	10.21	12252.0					1200.0	10.21	12252.0		

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 5, Sub: Ichetucknee For, Plat: , Fort White, FL,** PERMIT #:

BASE				AS-BUILT						
Summer Base Points:			**15792.5**	**Summer As-Built Points:**						**19827.9**
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
15792.5	**0.4266**		**6737.1**	19827.9 **19827.9**	1.000 **1.00**	(1.090 x 1.147 x 0.91) **1.138**	0.341 **0.341**	0.902 **0.902**		6948.5 **6948.5**

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 5, Sub: Ichetucknee For, Plat: , Fort White, FL,** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	1200.0	12.74	2751.8	Double, Clear	N	10.0	5.0	6.0	24.58	1.03	151.2	
				Double, Clear	S	10.0	8.0	36.0	13.30	3.09	1477.5	
				Double, Clear	E	2.0	8.0	54.0	18.79	1.04	1050.8	
				Double, Clear	E	2.0	5.0	3.0	18.79	1.08	61.1	
				Double, Clear	E	2.0	10.0	24.0	18.79	1.02	461.4	
				Double, Clear	W	2.0	5.0	18.0	20.73	1.06	395.2	
				Double, Clear	W	2.0	8.0	36.0	20.73	1.02	763.7	
				As-Built Total:				**177.0**			**4360.9**	
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			13.0	981.0	3.40		3335.4	
Exterior	981.0	3.70	3629.7									
Base Total:	**981.0**		**3629.7**	**As-Built Total:**				**981.0**			**3335.4**	
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =		Points	
Adjacent	0.0	0.00	0.0	Exterior Insulated				21.0	8.40		176.4	
Exterior	42.0	12.30	516.6	Exterior Insulated				21.0	8.40		176.4	
Base Total:	**42.0**		**516.6**	**As-Built Total:**				**42.0**			**352.8**	
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X	WCM =	Points	
Under Attic	1200.0	2.05	2460.0	Under Attic			30.0	1200.0	2.05 X	1.00	2460.0	
Base Total:	**1200.0**		**2460.0**	**As-Built Total:**				**1200.0**			**2460.0**	
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Slab	0.0(p)	0.0	0.0	Raised Wood, Stem Wall			19.0	1200.0	0.80		960.0	
Raised	1200.0	0.96	1152.0									
Base Total:			**1152.0**	**As-Built Total:**				**1200.0**			**960.0**	
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =		Points	
	1200.0	-0.59	-708.0					1200.0	-0.59		-708.0	

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 5, Sub: Ichetucknee For, Plat: , Fort White, FL,** PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**9802.1**	**Winter As-Built Points:**					**10761.1**
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
9802.1	**0.6274**	**6149.9**	10761.1 **10761.1**	1.000 **1.00**	(1.069 x 1.169 x 0.93) **1.162**	0.432 **0.432**	0.950 **0.950**	5128.4 **5128.4**

FORM 600A-2001

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 5, Sub: Ichetucknee For, Plat: , Fort White, FL,** PERMIT #:

BASE				AS-BUILT							
WATER HEATING Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
2		2746.00	5492.0	30.0	0.90	2	1.00	2684.98	1.00	5370.0	
				As-Built Total:							**5370.0**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
6737	**6150**	**5492**	**18379**	**6949**	**5128**	**5370**	**17447**

PASS

FORM 600A-2001

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 5, Sub: Ichetucknee For, Plat: , Fort White, FL,** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

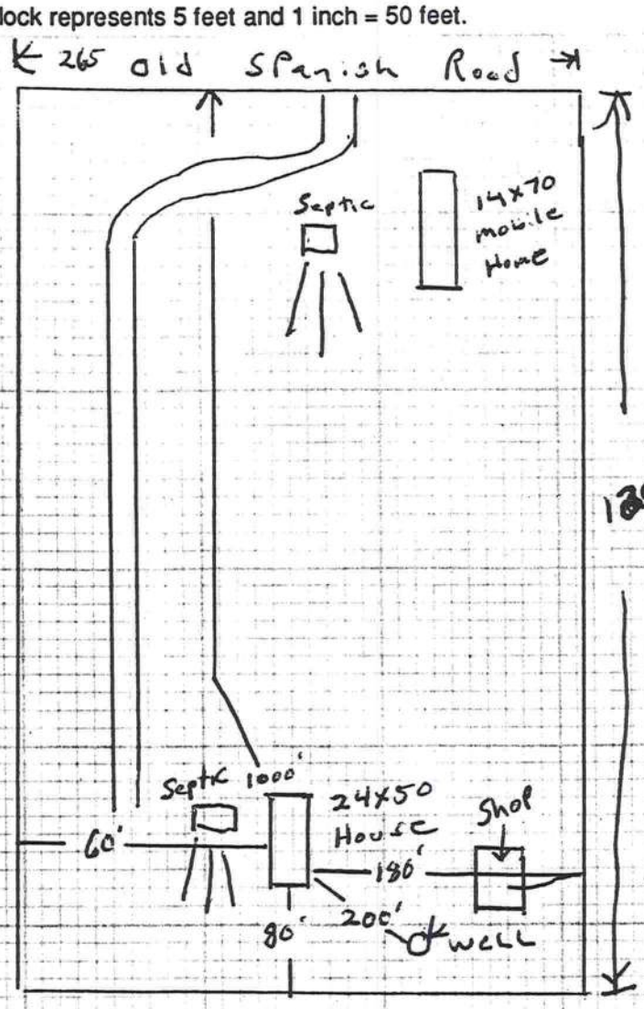
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 05-1118-F

PART II - SITE PLAN

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



Notes: 10/31/05 Signed Copy given to owner to take to Bldg Dept per MSI will call for final insp. before we release.

Site Plan submitted by: _____ Signature _____ Title

Plan Approved _____ Not Approved _____ Date _____

By Mark S Zander County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

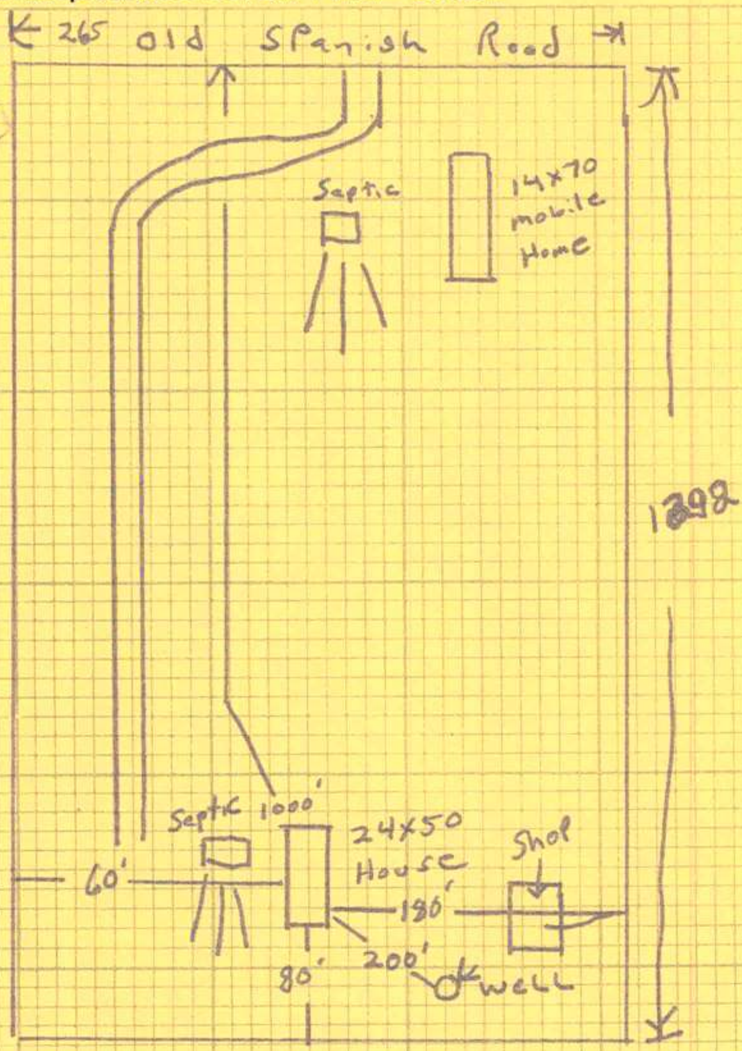
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 05-1118-E

PART II - SITE PLAN

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



Notes: not signed

Site Plan submitted by: ______________________ Signature ______________ Title

Plan Approved ______ Not Approved ______ Date ______________

By ______________________________ County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

To: Columbia County Building Dept.

Subject: Extension of building permit

From: Ron Preston (owner builder) Building permit #000023945

I would like to extend my building permit for another 90-day extension. My house is now "dried in" and I am working on rough plumbing, electric, and heating and AC. My projection for completion is December 1 2007

Thank You

Ron Preston
479 SW Old Spanish Rd.
Fort White Florida 32038
(386) 497-4915

To: Columbia County Building Dept.

Subject: Extension of Building Permit

From: Ron Preston, Building permit #000023945

I would like to extend my building permit for another six months. The House is dried in and I am working on rough in plumbing and electric. My estimate for completion of the structure is 12/07

Thank you

Ron Preston

OF COMMENCEMENT FORM
BIA COUNTY, FLORIDA

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

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

cel ID Number 01-6S-15-00496-005

cription of property: (legal description of the property and street address or 911 address)
479 SW old Spanish Road
FT White FL 32038

Inst:2005030251 Date:12/07/2005 Time:08:58
MK DC,P.DeWitt Cason,Columbia County B:1067 P:920

neral description of improvement: New House

ner Name & Address Same Ron Preston 479 SW old Spanish Rd FT White FL 32038

Interest in Property

ne & Address of Fee Simple Owner (if other than owner): Ron Preston 479 SW old Spanish Rd FT White

ntractor Name Same Ron Preston Phone Number 386 497 4915

ldress 479 SW old Spanish Rd FT White FL 32038

rety Holders Name Phone Number

ldress

nount of Bond

nder Name Phone Number

dress

rsons within the State of Florida designated by the Owner upon whom notices or other documents may be l as provided by section 718.13 (1)(a) 7; Florida Statutes:

me Phone Number

dress

addition to himself/herself the owner designates of

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

) 7. Phone Number of the designee

xpiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, nless a different date is specified)

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

Signature of Owner

Sworn to (or affirmed) and subscribed before 31st day of December, 2005

GALE REDDEN
MY COMMISSION # DD 333586
EXPIRES: June 28, 2009
Bonded Thru Notary Public Underwriters
NOTARY STAMP/SEAL

Signature of Notary

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

Reference to: Build permit application Number: 0511-90

Rob Preston Owner/Builder 497 SW Old Spanish Rd. Lot 5 Phase 2 of Ichetucknee Forest

On the date of November 29, 2005 application 0511-90 and plans for construction of a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0511-88 when making reference to this application.

12-1-05

1. Application 0511-90 which was filed with the building department on the date of November 28, 2005 will be reviewed under the Florida Building Code 2004. The Wind Load design by Mr. Mark Disosway was design under the Florida Building Code 2001. The wind Load design should reflect the code sections of the Florida Building Code 2004 that relate to wind Load design code requirements.
2. Please have Mr. Tim Delbene show the total square footage of the dwelling under the roof, the total area of square footage that will be climate condition, the total square footage of the covered porches.

3. Please have Mr. Tim Delbene show the total height of the structure from the established finished grade to the roof highest peak.

4. Please have Mr. Mark Disosway provide the conventional framing rafter layout for the front and rear covered porches include the rafter size, species, spacing and attachment to both the porch supporting headers and walls also include the rafter attachment uplift requirements.

5. Show the method of termite treatment for the structure (termiticide or alternative method).

6. Show the location of the electrical service panel and include the amperage rating of the service panel.

7. Please submit a recorded (with the Columbia County Clerk Office) a notice of commencement before any inspections can be preformed by the Columbia County Building Department.

Thank you,

Joe Haltiwanger
Plan Examiner
Columbia County Building Department

Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
 Document ID:1SQP487-Z0622145441

Truss Fabricator:	Anderson Truss Company
Job Identification:	5-407-RON PRESTON
Truss Count:	2
Model Code:	Florida Building Code 2001
Truss Criteria:	ANSI/TPI-1995(STD)/FBC
Engineering Software:	Alpine Software,Version 7.04.
Structural Engineer of Record:	
Address:	
Minimum Design Loads:	Roof - 40.0 PSF @ 1.25 Duration Floor - N/A Wind - 110 MPH ASCE 7-98 -Closed

Seal Date: 09/22/2005

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

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: A11015EC-GBLLETIN

#	Ref	Description	Drawing#	Date
1	01129--A2		05265084	09/22/05
2	01130--A1-GE		05265085	09/22/05

Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
 Document ID:1SQP487-Z0622145441

Truss Fabricator:	Anderson Truss Company
Job Identification:	5-407-RON PRESTON (5-407|-RON PRESTON)
Truss Count:	1
Model Code:	Florida Building Code 2001
Truss Criteria:	ANSI/TPI-1995(STD)/FBC
Engineering Software:	Alpine Software,Version 7.04.
Structural Engineer of Record:	
Address:	
Minimum Design Loads:	Roof - 40.0 PSF @ 1.25 Duration Floor - N/A Wind - 110 MPH ASCE 7-98 -Closed

Notes:

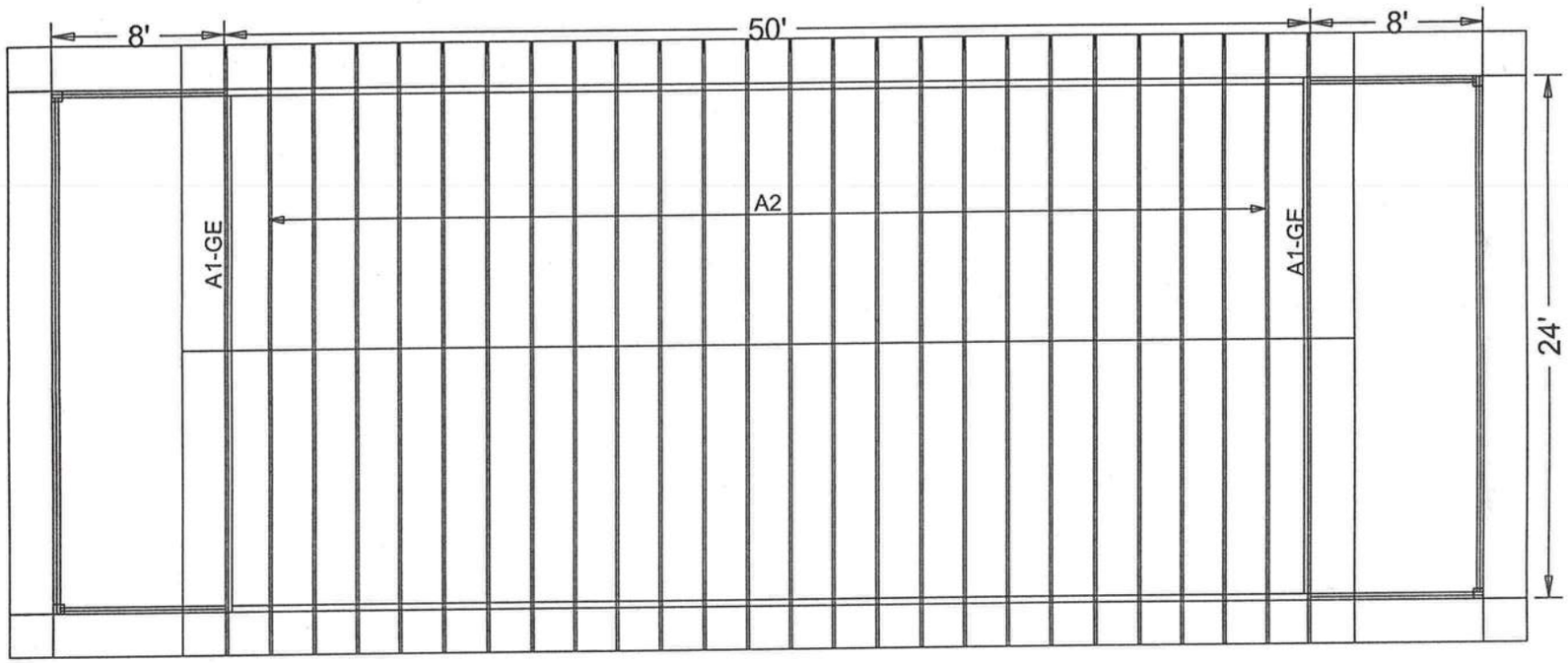
1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown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

Seal Date: 09/22/2005

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

Revised Trusses

#	Ref	Description	Drawing#	Date
1	01130--A1-GE		05265085	09/22/05



9/21/05

#5-407 RON PRESTON

Scale: 1/8" = 1'

JOB NO: 5-407	PAGE NO: 1 OF 1

(5-407-RON PRESTON - A2)

Top chord 2x4 SP #2 Dense :T2, T3 2x8 SP SS:
Bot chord 2x6 SP #2 :B2 2x8 SP SS:
:B3 2x4 SP #2 Dense:
Webs 2x4 SP #3

Calculated horizontal deflection is 0.12" due to live load and 0.15" due to dead load.

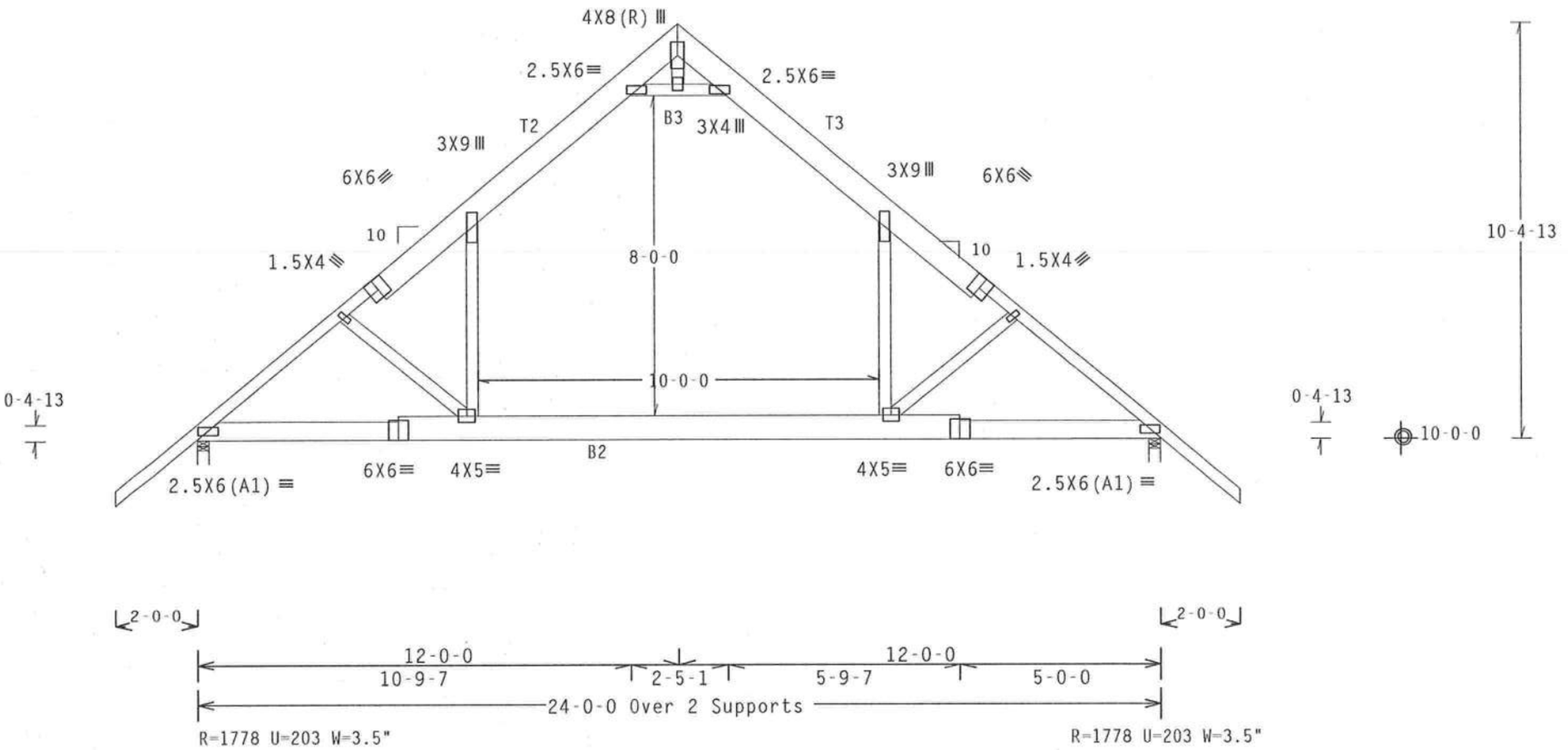
BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 7-0-0 to 17-0-0.

110 mph wind, 14.57 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.

Roof overhang supports 2.00 psf soffit load.

Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

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



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0805 | QTY:24 FL/-/3/-/-/R/- | Scale =.25"/Ft.

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

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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASIM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
Sep 22 '05

TC LL	20.0 PSF	REF	R487-- 1129
TC DL	10.0 PSF	DATE	09/22/05
BC DL	10.0 PSF	DRW	HCUSR487 05265084
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	36197
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF-	1SQP487_Z06

(5-407-RON PRESTON - A1-GE)

Top chord 2x4 SP #2 Dense :T3, T4 2x8 SP SS:
Bot chord 2x6 SP #2 :B2 2x8 SP SS:
:B3 2x4 SP #2 Dense:
Webs 2x4 SP #3

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

TC - From	81 PLF	at	-2.00	to	81 PLF	at 7.00
TC - From	101 PLF	at	7.00	to	101 PLF	at 11.24
TC - From	81 PLF	at	11.24	to	81 PLF	at 12.76
TC - From	101 PLF	at	12.76	to	101 PLF	at 17.00
TC - From	81 PLF	at	17.00	to	81 PLF	at 26.00
PLT- From	20 PLF	at	11.55	to	20 PLF	at 12.45
BC - From	4 PLF	at	-2.00	to	4 PLF	at 0.00
BC - From	20 PLF	at	0.00	to	20 PLF	at 7.00
BC - From	120 PLF	at	7.00	to	120 PLF	at 17.00
BC - From	20 PLF	at	17.00	to	20 PLF	at 24.00
BC - From	4 PLF	at	24.00	to	4 PLF	at 26.00

BC - 89 LB Conc. Load at 7.00, 17.00

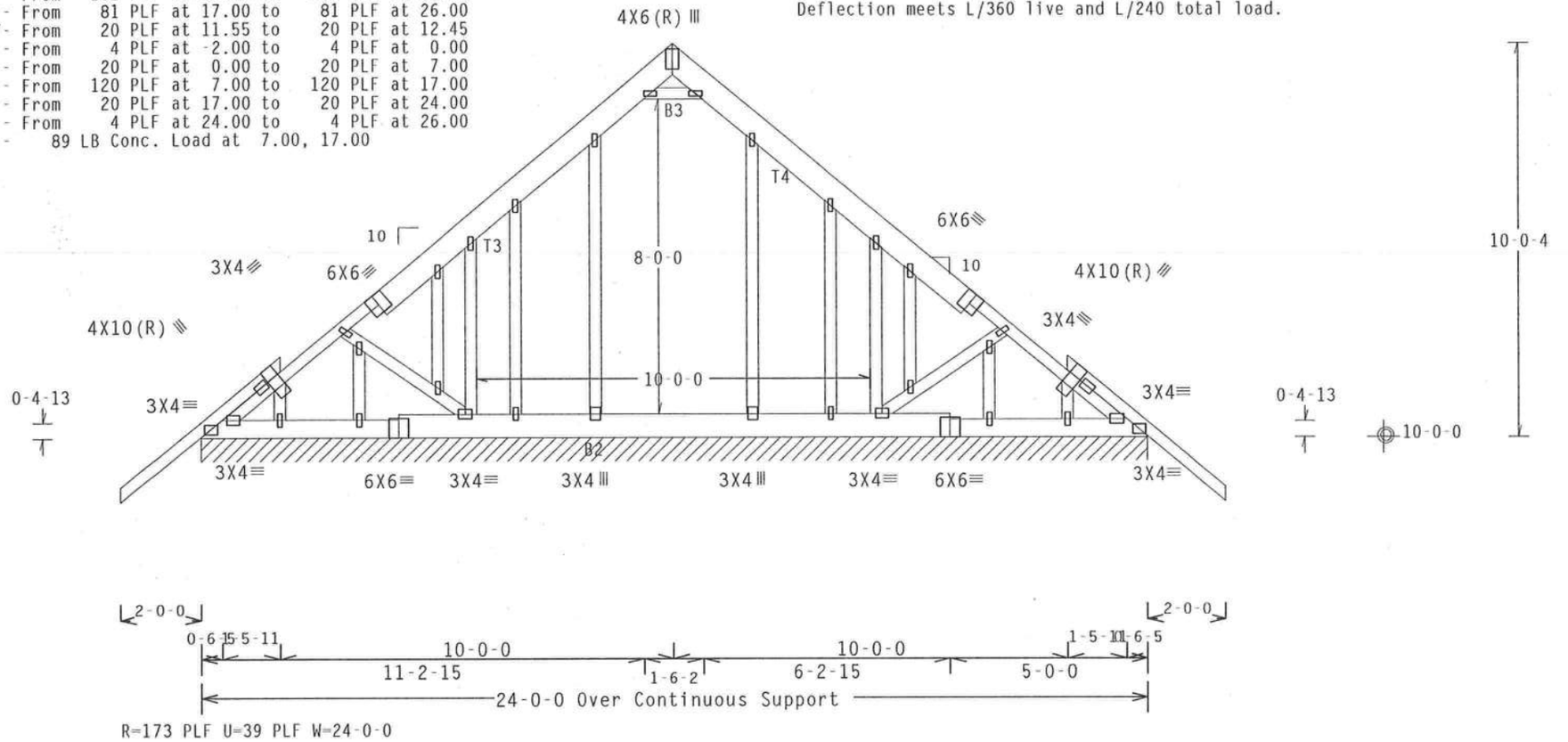
110 mph wind, 14.38 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Roof overhang supports 2.00 psf soffit load.

See DWGS A11015EC1103 & GBLLETIN0405 for more requirements.

Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

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



R=173 PLF U=39 PLF W=24-0-0

Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0805 | QTY:2 | FL/-/3/-/-/R/- | Scale =.25"/Ft.

ALPINE

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

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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

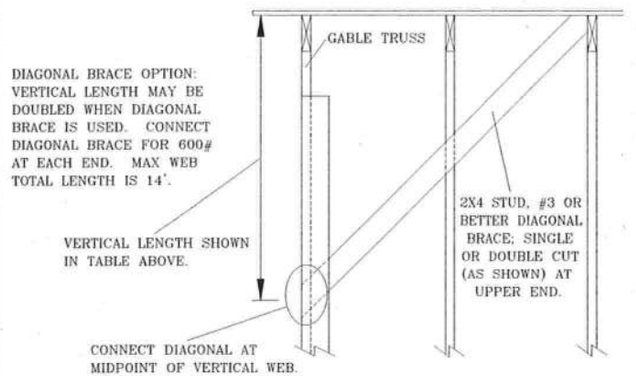
Sep 22 '05

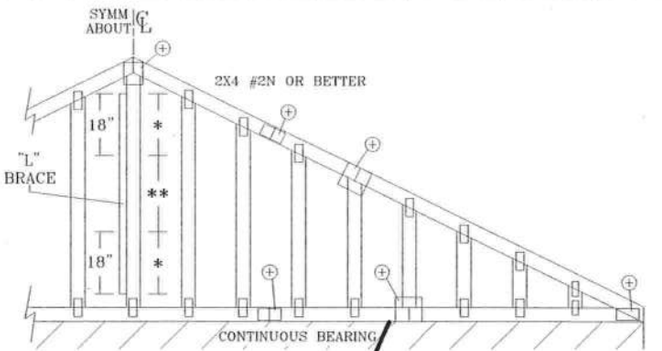
TC LL	20.0 PSF	REF	R487-- 1130
TC DL	10.0 PSF	DATE	09/22/05
BC DL	10.0 PSF	DRW	HCUSR487 05265085
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	36213 REV
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF-	1SQP487_Z06

ASCE 7-98: 110 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH	2X4 GABLE VERTICAL SPACING	SPECIES	BRACE GRADE	NO BRACES	(1) 1X4 "L" BRACE * GROUP A	(1) 1X4 "L" BRACE * GROUP B	(1) 2X4 "L" BRACE * GROUP A	(1) 2X4 "L" BRACE * GROUP B	(2) 2X4 "L" BRACE ** GROUP A	(2) 2X4 "L" BRACE ** GROUP B	(1) 2X6 "L" BRACE * GROUP A	(1) 2X6 "L" BRACE * GROUP B	(2) 2X6 "L" BRACE ** GROUP A	(2) 2X6 "L" BRACE ** GROUP B
	24" O.C.	SPF HF	#1 / #2	3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 8"	12' 5"	12' 9"	14' 0"	14' 0"
			#3	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"
			STUD	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 3"	12' 3"	14' 0"	14' 0"
			STANDARD	3' 9"	5' 2"	5' 2"	6' 9"	6' 9"	9' 1"	9' 1"	10' 7"	10' 7"	14' 0"	14' 0"
		SP DFL	#1	4' 3"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
			#2	4' 2"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
			#3	4' 0"	6' 2"	6' 2"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 8"	14' 0"	14' 0"
			STUD	4' 0"	6' 1"	6' 1"	7' 11"	8' 0"	9' 5"	9' 11"	12' 5"	12' 6"	14' 0"	14' 0"
			STANDARD	3' 10"	5' 3"	5' 3"	6' 11"	6' 11"	9' 4"	9' 4"	10' 10"	10' 10"	14' 0"	14' 0"
	16" O.C.	SPF HF	#1 / #2	4' 5"	7' 8"	7' 10"	9' 1"	9' 4"	10' 10"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"
			#3	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
			STUD	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
			STANDARD	4' 4"	6' 4"	6' 4"	8' 4"	8' 4"	10' 10"	10' 10"	12' 11"	12' 11"	14' 0"	14' 0"
		SP DFL	#1	4' 10"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"
			#2	4' 9"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"
			#3	4' 6"	7' 7"	7' 7"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"
			STUD	4' 6"	7' 6"	7' 6"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"
			STANDARD	4' 5"	6' 5"	6' 5"	8' 6"	8' 6"	10' 10"	11' 1"	13' 3"	13' 3"	14' 0"	14' 0"
	12" O.C.	SPF HF	#1 / #2	4' 11"	8' 5"	8' 8"	10' 0"	10' 3"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"
			#3	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"
			STUD	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"
			STANDARD	4' 9"	7' 3"	7' 3"	9' 7"	9' 7"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"
		SP DFL	#1	5' 4"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"
			#2	5' 3"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"
			#3	5' 0"	8' 5"	8' 5"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"
			STUD	5' 0"	8' 5"	8' 7"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"
			STANDARD	4' 11"	7' 5"	7' 5"	9' 10"	9' 10"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"

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'.





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

BRACING GROUP SPECIES AND GRADES:

GROUP A: *

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

DOUGLAS FIR-LARCH	SOUTHERN PINE
#3	#3
STUD	STUD
STANDARD	STANDARD

GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE	DOUGLAS FIR-LARCH
#1	#1
#2	#2

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

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

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

ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES

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

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

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI. 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL 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,K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (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 SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

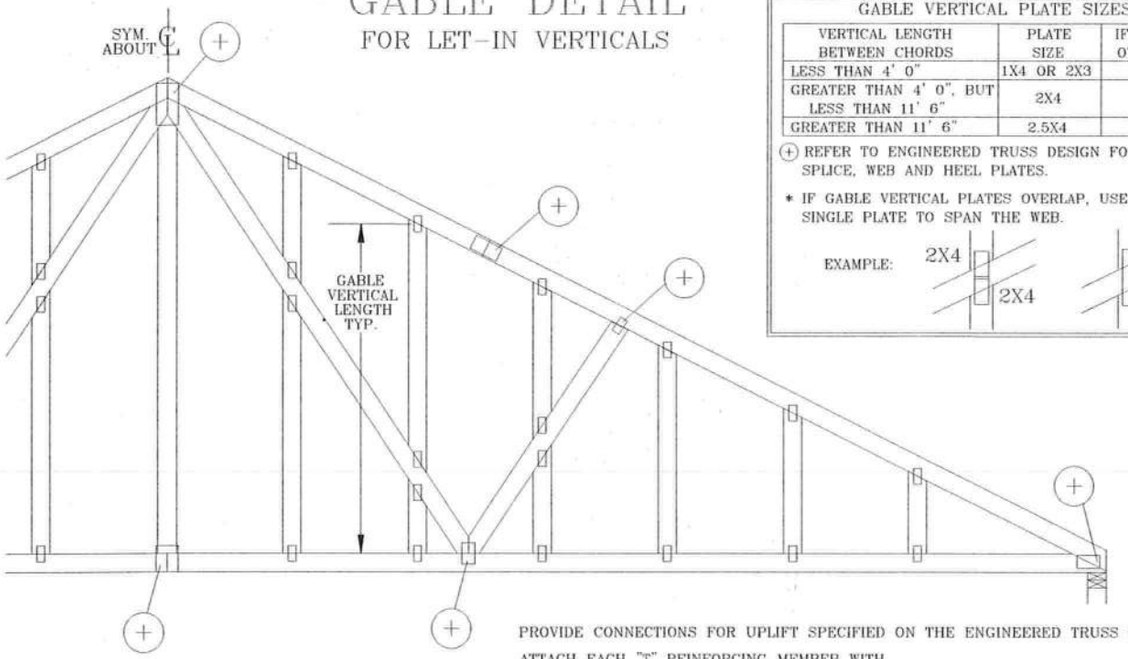
ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Sep [illegible] 05

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-98-GAB11015
DATE	11/26/03
DRWG	A11015EC1103
-ENG	

GABLE DETAIL
FOR LET-IN VERTICALS

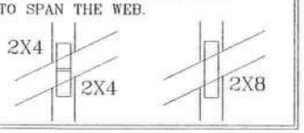


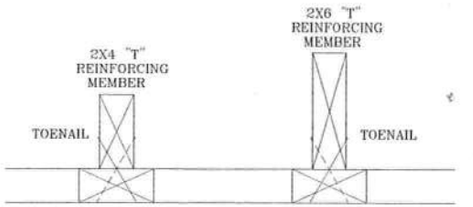
GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X8
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	2X8
GREATER THAN 11' 6"	2.5X4	2.5X8

(+) REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPLICE, WEB AND HEEL PLATES.

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

EXAMPLE:





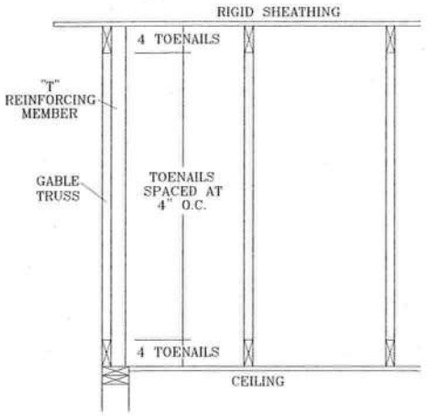
TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

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

WEB LENGTH INCREASE W/ "T" BRACE

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

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



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
A11015EN1103, A10015EN1103, A09015EN1103, A08015EN1103, A07015EN1103
A11030EN1103, A10030EN1103, A09030EN1103, A08030EN1103, A07030EN1103
ASCE 7-98 GABLE DETAIL DRAWINGS
A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A08515EC1103
A13030EC1103, A12030EC1103, A11030EC1103, A10030EC1103, A08530EC1103
SBCCI GABLE DETAIL DRAWINGS
S11015EN1103, S10015EN1103, S09015EN1103, S08015EN1103, S07015EN1103
S11030EN1103, S10030EN1103, S09030EN1103, S08030EN1103, S07030EN1103

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

THIS DRAWING REPLACES DRAWINGS GAB98117 876.719 & HC26294035

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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MAX TOT. LD. 60 PSF
DUR. FAC. ANY
MAX SPACING 24.0"

REF	LET-IN VERT
DATE	01/16/04
DRWG	GBLLETIN1103
-ENG	DLJ/KAR

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

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

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

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

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

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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

Applicant	Plans Examiner	
☐	☑	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☐	☑	Designers name and signature on document (FBC 106.1). If licensed architect or engineer, official seal shall be affixed.
☐	☑	**Site Plan including:** a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☐	☑	**Wind-load Engineering Summary, calculations and any details required** Plans or specifications must state compliance with FBC Section 1609. The following information must be shown as per section 1603.1.4 FBC a. Basic wind speed (3-second gust), miles per hour (km/hr). b. Wind importance factor, Iw, and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7. c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated. d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient. e. Components and Cladding. The design wind pressures in terms of psf (kN/m²) to be used for the design of exterior component and cladding materials not specifally designed by the registered design professional.
		Elevations including:
☐	☑	a) All sides
☐	☑	b) Roof pitch
☐	☑	c) Overhang dimensions and detail with attic ventilation

See NOTE: 1

- ☐ ☑ d) Location, size and height above roof of chimneys.
- ☐ ☑ e) Location and size of skylights
- ☐ ☑ f) Building height — See NOTE 3
- ☐ ☐ e) Number of stories

Floor Plan including:

- ☐ ☑ a) Rooms labeled and dimensioned.
- ☐ ☑ b) Shear walls identified.
- ☐ ☑ c) Show product approval specification as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 **(see attach forms).**
- ☐ ☑ d) Show safety glazing of glass, where required by code.
- ☐ ☑ e) Identify egress windows in bedrooms, and size.
- ☐ ☑ f) Fireplace (gas vented), (gas non-vented) or wood burning with hearth, **(Please circle applicable type).** — See NOTE 4
- ☐ ☑ g) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails.
- ☐ ☑ h) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan including:

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

Roof System:

- ☐ ☑ a) Truss package including:
  1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
  2. Roof assembly (FBC 106.1.1.2)Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
- ☐ ☐ b) Conventional Framing Layout including: — See NOTE 5
  1. Rafter size, species and spacing
  2. Attachment to wall and uplift
  3. Ridge beam sized and valley framing and support details
  4. Roof assembly (FBC 106.1.1.2)Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

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

c. Crawl space (if applicable)

☐ ☐ b) Wood frame wall

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

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

Floor Framing System:

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

☐ ☐ b) Floor joist size and spacing

☐ ☐ c) Girder size and spacing

☐ ☐ d) Attachment of joist to girder

☐ ☐ e) Wind load requirements where applicable

☐ ☐ **Plumbing Fixture layout**

Electrical layout including:

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

☐ ☐ b) Ceiling fans

☐ ☐ c) Smoke detectors

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

☐ ☐ e) Meter location with type of service entrance (overhead or underground)

☐ ☐ f) Appliances and HVAC equipment

☐ ☐ g) Arc Fault Circuits (AFCI) in bedrooms

☐ ☐ h) Exhaust fans in bathroom

HVAC information

☐ ☐ a) Energy Calculations (dimensions shall match plans)

☐ ☐ b) Manual J sizing equipment or equivalent computation

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

☐ ☐ **Disclosure Statement for Owner Builders**

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

☐ ☐ **Private Potable Water**

a) Size of pump motor

b) Size of pressure tank

c) Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all residential projects.

2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.

3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 **(Toilet facilities shall be provided for construction workers)**

4. **City Approval: If the project is to be located within the city limits of the Town of Fort White**, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. **(386) 497-2321**

5. **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. **Any project located within a flood zone where the base flood elevation (100 year flood) has been** established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.**
   A development permit will also be required. Development permit cost is **$50.00**

6. **Driveway Connection: If the property does not have an existing access to a public road, then an** application for a culvert permit **($25.00)** must be made. If the applicant feels that a culvert is not needed, **they may apply for a culvert waiver ($50.00). All culvert waivers are sent to the Columbia County Public** Works Department for approval or denial. **If the project is to be located on a F.D.O.T. maintained road, than an F.D.O.T. access permit is required.**

7. **911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 752-8787

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

PRODUCT APPROVAL SPECIFICATION SHEET

Location:_____ **Project Name:**_____

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are **applying for a building permit on or after April 1, 2004**. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung			
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass -through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

I understand these products may have to be removed if approval cannot be demonstrated during inspection

_____

_____

_____

_____ _____

Contractor or Contractor's Authorized Agent Signature — Print Name — Date

_____ _____

Location — Permit # **(FOR STAFF USE ONLY)**

NOTICE:

ADDRESSES BY APPOINTMENT ONLY!

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

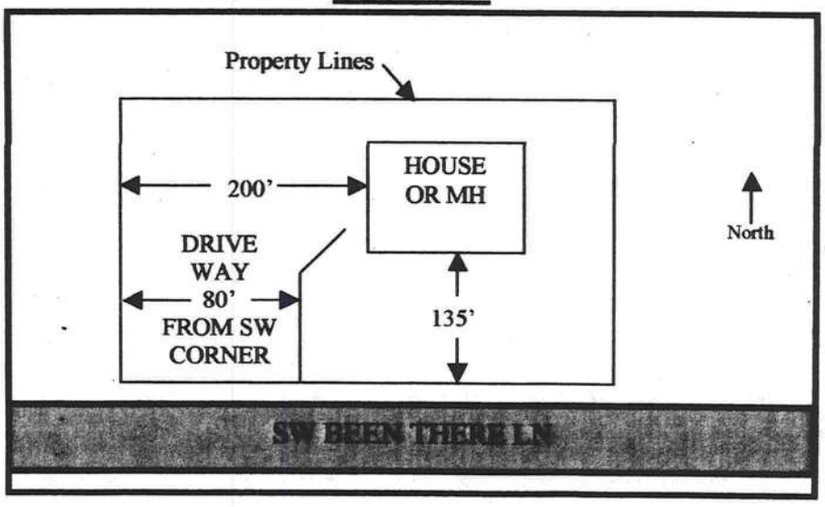
YOU CAN NOT OBTAIN A NEW ADDRESS OVER THE TELEPHONE. MUST MAKE AN APPOINTMENT!

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

THE REQUESTER WILL NEED THE FOLLOWING:

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

SAMPLE:



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

Providing architects, contractors, and building owners with the most current information available

Product Specifications

Product Specifications || Product Description | Technical Data | Installation | Cost
Warranty | Maintenance | Technical Services

Where to Buy
Trade and Technical Information
Products in Use
Sponsors
Download
FAQ's
Links
Contact Us
Home

Search:

Technical Data

Applicable Standards: Galvalume sheet is produced according to ASTM Specification A792/A792M-97a "Steel Sheet, 55% Aluminum-Zinc Alloy-Coated by the Hot-Dip Process." It is supplied in commercial, lock-forming and structural qualities. Each grade is available in AZ50 (AZ150-metric), AZ55 (AZ165-metric), and AZ60 (AZ180-metric), coating weights. AZ50 or 0.50 oz/sq. ft. (150 g/sq. m.) coated Galvalume sheet is generally used for prepainted architectural Galvalume SSR and AZ55 or 0.55 oz/sq. ft. (165 g/sq. m.) for unpainted structural Galvalume SSR.

Galvalume structural SSR roof systems are generally fabricated and installed to meet the UL-90 rated wind up-lift resistance requirement specified in the Underwriters Laboratories' UL 580 test. However, these systems must be installed exactly as tested because performance is dictated by sheet thickness and width, clips, fasteners, secondary structural gages and spacings, as well as by panel rib height and configuration.

Many Galvalume SSR manufacturers offer roof systems which have wind uplift capability established in accordance with the recently published ASTM Specification E1592, "Test Method for Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference".

Bare and prepainted Galvalume sheet have also been incorporated guide specifications for metal building systems and components by the U.S. Army Corps of Engineers. Some typical specifications are: CEGS-07413, "Metal Roofing and Siding Plain"; CEGS-07415, "Metal Roofing and Siding, Factory Color Finish"; CEGS-07416, "Metal Buildings"; and CEGS-13120, "Standing Seam Metal Roof System." The Department of Navy also recognizes prepainted Galvalume sheet in guide specification NFGS-13121.

The paint coatings on Galvalume SSR panels are tested in accordance with the following ASTM specifications. Performance requirements vary with the type of paint. Galvalume SSR panel manufacturers should be consulted for specific data.

- Color change and chalk- ASTM D2244, "Method for Calculation of Color Differences and Instrumentally Measured Color Coordinates"; and D659,

"Method of Evaluating Degree of Chalking of Exterior Paints"

- Adhesion- ASTM D2795, "Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation(Impact)"; D3359, "Test Methods for Measuring Adhesion By Tape Test"; and D4145, "Standard Test Method for Coating Flexibility of Prepainted Sheet"
- Coating hardness- ASTM D3363 "Test Method for Film Hardness By Pencil Test"
- Formability- ASTM D3281, "Test Method for Formability of Attached Organic Coatings with Impact-Wedge Bend Apparatus"
- Gloss Retention- D523, "Test Method for Specular Gloss"
- Humidity- ASTM D2247,"Practice for Testing Water Resistance of Coating in 100% Relative Humidity"; and D4585, "Standard Practice for Testing Water Resistance of Coatings Using Controlled Condensation"

Because a Galvalume SSR is noncombustible, it can be incorporated in systems which meet favorable Factory Mutual and Underwriter Laboratories fire classifications. Such a classification can result in lower insurance costs.

Atmospheric Corrosion Resistance:
Based on 30-year atmospheric corrosion R&D tests, it is estimated that Galvalume sheet will outlast G90 galvanized by two to four times in marine, industrial and rural atmospheres. Galvalume panels are still rust-free after 30 years in all but the severe marine environment. The estimated life of the 55% Al-Zn coating (years to first rust) based on these 30-years tests ranges from 14 years to 40 or more years.

A survey of 82 unpainted Galvalume low slope (1:12 slope or less) roofs up to 22 years old in the Eastern-half of the U.S. reconfirms the prediction from the R&D tests that Galvalume roofs will last 30+ years. The Galvalume steel roofs are in excellent condition and easily meet their 20-year performance warranty. After 20+ years the 55% Al-Zn coating is intact and protecting the steel substrate from corrosion. Based on their appearance, most roofs should last 30 to 40 years, before requiring major maintenance, such as field painting.

Prepainted Galvalume sheet has also exhibited excellent corrosion resistance in a variety of accelerated tests and atmospheric exposures and on buildings. It has demonstrated equal or better performance than prepainted G90 galvanized in corrosion at flat areas, paint damaged areas, formed areas and roof drip edges.

Typical Mechanical Properties:
Galvalume sheet used for SSR panels has the following range of mechanical properties:

- Yield Strength: 40-60 ksi (276-414 MPa)
- Tensile Strength: 55-70 ksi (379-483 MPa)
- Total Elongation: 18-36%
- Hardness: 50-65 HRB

Structural quality grades, including 50 ksi (345 Mpa) and 80 ksi (552 Mpa) minimum yield strengths are also available. Mechanical property requirements are covered in ASTM Specification A792/A 792M.

Engineering data such as section properties and load values for specific SSR panel profiles are available from Galvalume SSR panel manufacturers.

Environmental Impact:
Because of their light weight, retro-fit Galvalume SSR systems can be installed over most existing non- metallic roofs, thereby eliminating the cost of tear-offs and disposal and non-metallic roofing materials, while reducing the burden on landfills. Removal and disposal of hazardous asbestos roof panels on old industrial, government and military buildings can also be avoided by installing retro-fit Galvalume SSR systems directly on such roofs. Elimination of tear-offs also avoids exposing the interior of the building to weather and disrupting activities taking place within buildings.

Product Specifications || Product Description | Technical Data | Installation | Cost
Warranty | Maintenance | Technical Services

SECTION 08520

ALUMINUM WINDOWS

NOTE ** St. Cloud Window, Inc., double hung, horizontal rolling, and fixed aluminum windows.

NOTE **

NOTE ** This section is based on the products of St. Cloud Window, Inc., which is located at:

NOTE ** P.O. Box 1577

NOTE ** St. Cloud, MN 56302-1577

NOTE ** Tel: (320) 251-9311

NOTE ** Tel: (800) 383-9311

NOTE ** Fax: (320) 255-1513

NOTE ** email: info@stcloudwindow.com

NOTE ** Website: http://www.stcloudwindow.com

NOTE **

NOTE ** St. Cloud Window's SCW-900 Series, available in configurations to match any project need, provide thermal performance, acoustical control, and a variety of custom options for new construction, renovation, and remodeling projects.

NOTE **

PART 1 GENERAL

1.1 SECTION INCLUDES

NOTE ** Select paragraphs below applicable to project.

A. Aluminum double hung windows.

B. Aluminum horizontal rolling windows.

C. Aluminum fixed windows.

1.2 RELATED SECTIONS

NOTE ** Delete sections below not relevant to this project; add others as required.

A. Section 07900 - Joint Sealers.

B. Section 08800 - Glazing.

1.3 REFERENCES

NOTE ** Delete references from the list below that are not actually required by the text of the edited section; add others as required.

A. AAMA/NWWDA 101/I.S.2 - Voluntary Specifications for Aluminum, Vinyl (PVC), and Wood Windows and Glass Doors.

B. AAMA 605.2 - Voluntary Specification for High Performance Organic coatings on Architectural Aluminum Extrusions and Panels.

C. AAMA 1503.1 - Voluntary Test Method for Thermal Transmittance and Condensation Resistance of Windows, Doors, and Glazed Wall Sections.

D. ASTM E 283 - Standard Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen.

E. ASTM E 330 - Standard Test Method for Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference.

F. ASTM E 547 - Standard Test Method for Water Penetration of Exterior Windows, Curtain Walls, and Doors by Cyclic Static Air Pressure Differential.

G. ASTM F 588 - Standard Test Methods for Measuring the Forced Entry Resistance of Window Assemblies, Excluding Glazing Impact.

1.4 SYSTEM DESCRIPTION

A. Design Requirements:

NOTE ** Select type(s) of units required for the project from the subparagraphs below, deleting those not required.

1. Double hung units; thermally broken aluminum dual sash units conforming to, or exceeding, H-HC 40 per AAMA/NWWDA 101/I.S.2.

2. Horizontal rolling units; thermally broken aluminum dual sash units conforming to, or

exceeding, DW-HC60 per AAMA/NWWDA 101/I.S.2.

3. Fixed units; thermally broken aluminum fixed sash units conforming to, or exceeding, F-HC40 per AAMA/NWWDA 101/I.S.2.

NOTE ** Retain first "Performance Requirements" paragraph below for double hung and/or horizontal rolling units.

B. Performance Requirements (Operable Units):

1. Air Infiltration: Test window in accordance with ASTM E 283, primary sash closed and locked, secondary sash full open position; meet the following performance requirements:

a. Windows with Less than 18 Feet (5.486 m) of Operable Crack Perimeter: Not more than 2.8 cubic feet per minute (1.32 L/second) total when tested in a static pressure drop of 1.57 pounds per square foot (7.66 kg/square m), equivalent to 25 miles per hour (40.2 km/hour) wind velocity, or 6.3 cubic feet per minute (2.97 L/second) total when tested at 6.24 pounds per square foot (30.47 kg/square m), equivalent to 50 miles per hour (80.5 km/hour) wind velocity.

b. Windows with 18 Feet (5.486 m) or More of Operable Crack Perimeter: Not more than 1.0 cubic feet per minute (0.47 L/second) per square foot of window area at a static pressure drop of 1.57 pounds per square foot (7.66 kg/square m), or 0.20 cubic feet per minute (0.09 L/second) total when tested at 6.24 pounds per square foot (30.47 kg/square m).

2. Water Resistance: Test window in accordance with ASTM E 547, in the winter and summer mode with screen removed, as follows:

a. Primary sash closed and locked, secondary sash full open position; subject window to pressure drop of 8.00 pounds per square foot (39.1 kg/square m).

b. Both sets of sash closed and latched; subject window to minimum pressure drop of 12.00 pounds per square foot (58.6 kg/square m).

3. Uniform Load Structure Test: Test window in accordance with ASTM E 330, primary sash closed,

secondary sash full open position.

a. Double Hung Units: Static air pressure difference of 60.0 pounds per square foot (292.9 kg/square m), high pressure applied first on one side of unit and then on the other side.

NOTE ** Delete either subparagraph above or below if not applicable to the project.

b. Horizontal Rolling Units: Static air pressure difference of 90.0 pounds per square foot (439.4 kg/square m), high pressure applied first on one side of unit and then on the other side.

c. Static air pressure difference of 1.5 times design wind class used in AAMA/NWWDA 101/I.S.2.

d. At Conclusion of Test: No glass breakage; no permanent damage to fasteners, hardware parts, support arms, or actuating mechanisms; no other damage which would cause window to be inoperable; permanent deformation of any frame, sash, or ventilator member not exceeding 0.04 percent of its span.

4. Thermal Performance ("U" Value): Test window of exactly 4 by 6 foot (1.219 by 1.829 m) size in accordance with AAMA 1503.1.

a. Double Hung Units: Thermal transmittance due to conductance not exceeding 0.55.

NOTE ** Delete either subparagraph above or below if not applicable to the project.

b. Horizontal Rolling Units: Thermal transmittance due to conductance not exceeding 0.54.

5. Condensation Resistance Factor (CRF): Test window of exactly 4 by 6 foot (1.219 by 1.829 m) size in accordance with AAMA 1503.1.

a. Double Hung Units: CRF not less than 62.

NOTE ** Delete either subparagraph above or below if not applicable to the project.

b. Horizontal Rolling Units: CRF not less

than 64.

6. Forced Entry Resistance: ASTM F 588.

NOTE ** Retain subparagraph below if specifying horizontal rolling windows.

a. Horizontal Rolling Windows: Level 40.

NOTE ** Retain "Performance Requirements" paragraph below for fixed units.

C. Performance Requirements (Fixed Units):

1. Air Infiltration: Not more than 0.06 cubic feet per minute (0.028 L/second) per square foot of sash, tested in accordance with ASTM E 283 under a static pressure drop of 6.24 pounds per square foot (30.47 kg/square m), equivalent to 50 miles per hour (80.5 km/hour) wind velocity.

2. Water Resistance: No penetration of water into the plane of the innermost face of the window unit during a 15 minute test period under prescribed conditions of water application, tested in accordance with ASTM E 330 at a rate of 5.0 gallons per hour per square foot (204 L/hour/square m) and a static air pressure differential of 6.24 pounds per square foot (30.47 kg/square m).

3. Uniform Load Structure Test: No glass breakage or other damage and no permanent deformation of any member exceeding 0.04 percent of its span; subject separately to an exterior and interior uniform load in accordance with ASTM E 330, static air pressure difference of 60 pounds per square foot (292.9 kg/square m), pressure applied first on one side of unit and then on the other side.

4. Thermal Performance ("U" Value): Thermal transmittance not exceeding 0.65, tested in accordance with AAMA 1503.1.

5. Condensation Resistance Factor (CRF): CRF not less than 55, tested in accordance with AAMA 1504.

1.5 SUBMITTALS

A. Submit under provisions of Section 01300.

B. Product Data: Manufacturer's catalog data, detail

sheets, and specifications.

NOTE ** Retain paragraph below if specifying fixed windows.

C. Submit evidence that fabrication of fixed windows has not resulted in any corner or joint failure or glass breakage for a period of not less than 10 years.

D. Shop Drawings: Prepared specifically for this project; show dimensions of aluminum windows, elevations, details of all window sections, anchorage and installation details, hardware, and interface with other products.

1.6 QUALITY ASSURANCE

A. Installer Quality: The window manufacturer or their approved representative, using mechanics that are experienced and skilled in the installation of aluminum windows of the type specified.

NOTE ** Delete the following article if no warranties are required, or if work is covered under the terms of a general project warranty specified elsewhere. You may edit the article to obtain a warranty from the Contractor only, or to suit other project-specific criteria.

1.7 WARRANTY

A. Provide written 10-year warranty signed by manufacturer that products are free of material defects. Defects are defined to include uncontrolled leakage of water, corner or joint failure, and abnormal aging or deterioration.

B. Include repair or replacement of defective units for 10 years from date of completion.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturer: St. Cloud Window, Inc., P.O. Box 1577, St. Cloud, MN 56302-1577; ASD. Tel: (320) 251-9311, Tel: (800) 383-9311, Fax: (320) 255-1513, email: info@stcloudwindow.com, Website: http://www.stcloudwindow.com

B. Requests for substitutions will be considered in accordance with provisions of Section 01600.

NOTE ** Delete paragraph above or below; coordinate with Division 1 requirements.

C. Substitutions: Not permitted.

D. Provide all aluminum windows from a single manufacturer.

2.2 MATERIALS

A. Principal Frame Members: Accurately extruded aluminum alloy 6063-T6.

NOTE ** Delete the paragraph above and retain the following paragraph if operable units are specified.

B. Frame, Sash, and Screen Members: Accurately extruded aluminum alloy 6063-T6; 0.062 inch (1.57 mm) minimum wall thickness.

C. Thermal Barrier: Not a structural part of frame assembly, but providing complete metal to metal separation between inner and outer frame members; not less than 1/4 inch (6.3 mm) wide. Poured and debridged polyurethane thermal barrier is not acceptable.

D. Weatherstripping: 100 percent woven pile and Mylar center fins.

E. Screens: Tubular aluminum frames; screen cloth securely held in place by means of reusable vinyl splines.

1. Screen Cloth: 18 by 16 aluminum.

NOTE ** Delete subparagraph above or below.

2. Screen Cloth: 18 by 16 fiberglass.

F. Hardware: Spring-loaded metal plunger type lock automatically engaging as window is closed; locate as follows:

1. Double Hung Windows: Interior sill rails.

NOTE ** Retain subparagraph above if specifying double hung windows, retain subparagraph below if specifying horizontal rolling windows.

2. Horizontal Rolling Windows: Interior meeting rails.

G. Double Hung Window Balances: Zinc die cast metal with nylon rollers, capable of providing positive lifting force through full range of sash travel and holding sash stationary at any open position without the use of auxiliary frictional devices or holding clips; overhead

balances, exposed balance cables, or fasteners are not acceptable.

NOTE ** Retain paragraph above if specifying double hung windows, retain paragraph below if specifying horizontal rolling windows.

H. Sash Rollers: Delrin lubricated with "Moly B" dry lubricant, operating on stainless steel axles.

NOTE ** Retain paragraph below if specifying fixed windows.

I. Calking: Grade "A" type calking compound, Pecora, Tremco, Vulkem, or equal approved by architect; color to match color of aluminum unless otherwise approved by architect.

2.3 GLAZING SCHEDULE

A. Operable Windows:

1. Interior Sash: 1/4 inch (6.3 mm) clear float glass.

2. Exterior Sash: 1/4 inch (6.3 mm) clear float glass.

NOTE ** Retain paragraph above if specifying operable windows, retain paragraph below if specifying fixed windows.

B. Fixed Windows:

1. One inch (25.4 mm) thick insulating glass.

NOTE ** Delete subparagraph above or below.

2. One and one quarter inch (31.75 mm) thick insulating glass.

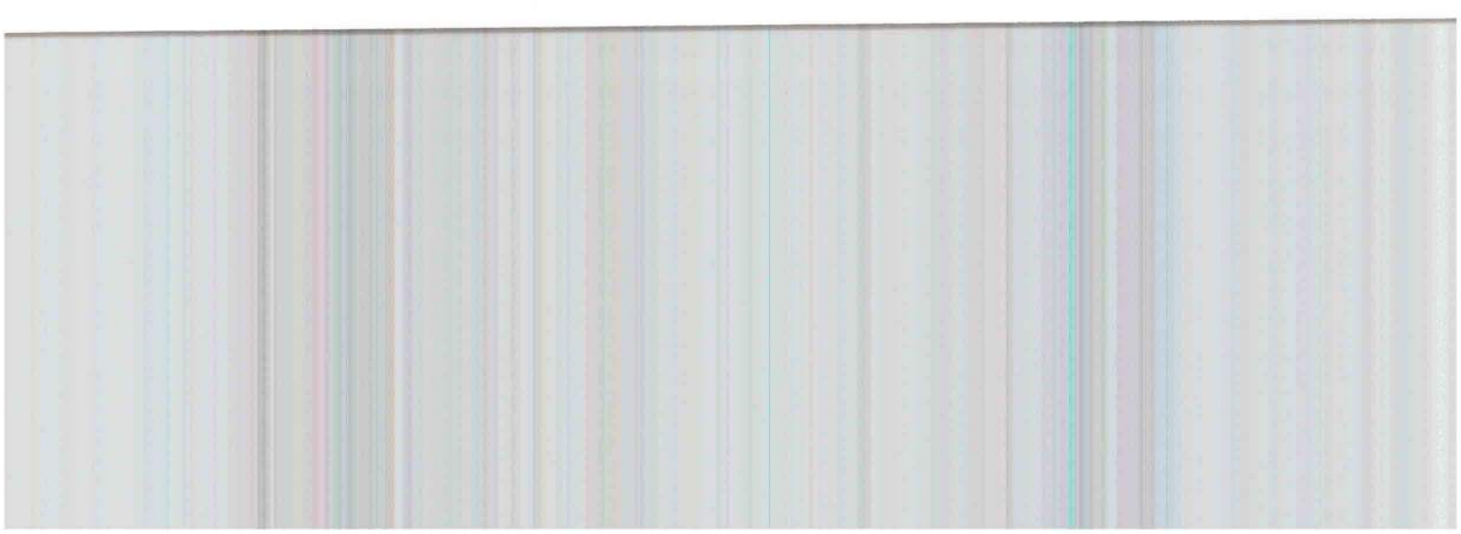
2.4 FABRICATION

A. General:

1. Fabricate windows as two separate frames permanently interlocked by a rigid thermal barrier.

2. Operable Frame and Sash Joints: Butt type secured by means of thread-cutting type screws anchored into screw ports, ports integral parts of frame members.

NOTE ** Retain subparagraph above if specifying operable windows, retain subparagraph below if specifying fixed windows.



3. Fixed Frame Joints: Miter or butt type secured by means of thread-cutting type screws anchored into screw ports, ports integral parts of frame members.

4. Corners: Joined neatly in a manner to provide watertight connections.

5. Deburr and make smooth all sharp milled edges and corners.

NOTE ** Retain subparagraphs below if specifying operable windows.

6. Internally seal sash corners.

7. Fabricate meeting rails of tubular construction, double weatherstripped and interlocked when in closed position.

8. Fabricate window units in a manner to facilitate replacement of worn or damaged parts, hardware, or weatherstripping.

B. Sill Frames: Tubular sections, weeped (including weep flaps) to prevent accumulation of water in sill.

C. Exterior and Interior Frame Sill: Tubular design, 5 degrees minimum slope.

D. Thermal Barrier: Interlock both halves of frame, securing them together without inhibiting expansion and contraction of either part; apply bead of sealant to complete perimeter of window to seal joints between frame and thermal barrier.

E. Weatherstripping: Completely weatherstrip sash, securing weatherstripping to prevent movement.

F. Double Hung Windows:

1. Fully balance each sash with a minimum of two balances.

2. House balances inside jamb sash; make removable with the use of take out clips for ease of replacement without the use of special tools.

NOTE ** Retain paragraph and subparagraphs above if specifying double hung windows, retain paragraph below if specifying horizontal rolling windows.

G. Horizontal Rolling Windows: Fabricate sash to operate on rollers in bottom sash rail in a concealed manner, not

protruding beyond bottom of sash rail.

2.5 FINISHES

A. Finish exposed surfaces of aluminum windows, panning, and trim as follows:

NOTE ** Select finish from the following subparagraphs, deleting those not required for the project.

1. Natural Anodized: Class II AA-C22A31 204-R1, etched and clear anodized to 0.4 mil (0.010 mm).

2. Light Bronze Anodized: Class I AA-C22A44 204-R1, anodized to 0.7 mil (0.018 mm).

3. Medium Bronze Anodized: Class I AA-C22A44 204-R1, anodized to 0.7 mil (0.018 mm).

4. Dark Bronze Anodized: Class I AA-C22A44 204-R1, anodized to 0.7 mil (0.018 mm).

5. Black Anodized: Class I AA-C22A44 204-R1, anodized to 0.7 mil (0.018 mm).

6. Organic Coated: Fluoropolymer organic coating in a color selected by the architect; meet or exceed AAMA 605.1 specifications for high performance organic coatings on extrusions.

PART 3 EXECUTION

3.1 INSTALLATION

A. Install windows and related components in accordance with approved shop drawings and manufacturer's requirements.

B. Erect materials plumb, level, and true relative to the building structure, maximum variation from plumb and level not exceeding 1/8 inch in 10 feet (3 mm in 3 m).

C. Install approved insulation materials in the frame cavity on the interior portion of the window frame, area adjacent to exterior of window frame remaining uninsulated.

1. Exercise caution to avoid overlapping insulation materials across thermal barrier connectors.

2. Exercise caution to avoid bridging of the two separated frame members.

NOTE ** Retain paragraph below if specifying fixed windows.

D. Apply calking at all points between masonry and aluminum outer frame; apply in a manner to ensure airtight and watertight continuous perimeter seal so as to prohibit seepage of cold air into the insulated cavity.

NOTE ** Retain article below if specifying fixed windows.

3.2 FIELD QUALITY CONTROL

A. Retain and pay for a certified testing laboratory to conduct on-site tests for air infiltration and water infiltration as specified in "Performance Requirements" above.

B. Architect will select two windows to be tested.

C. At no additional cost to owner, repair or replace window units not meeting specified performance requirements.

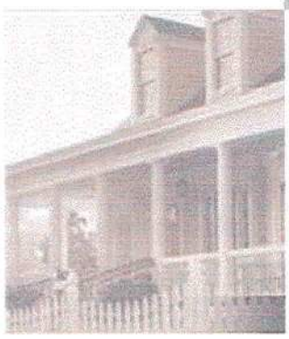
3.3 CLEANING

A. After installation, remove all sealants, calking, and other misplaced materials from all surfaces, including adjacent work.

B. Thoroughly clean window frames, casings, and glass using materials and methods recommended by the window and glass manufacturer that do not cause defacement of work.

END OF SECTION

James Hardie® Siding Products



- Products & Home Styles
- Product Comparisons
- Remodeling & Replacement
- Installation
- Technical Information
  - Caulking Tips
  - Painting Tips
  - Technical Reports
  - Warranty
- Advantages & Accolades
- James Hardie Near You
- Remodeler Locator
- Dealer Locator
- Literature Request
- FAQ

Technical Reports

Technical Reports

Technical information is now available as a PDF. Links to the information are set out below. the links to view and Adobe Acrobat will load.

Material Safety Data Sheet (PDF)
NER Report NER-405 (PDF)
U.S. HUD Materials Release 1263c (PDF)
City of New York Department of Buildings Report MEA 233-93-M (PDF)
Texas Department of Insurance Product Evaluation EC-23 (PDF)
City of Los Angeles Research Report RR 24862 (PDF)
Division of the State Architect Acceptance Report PA-019 (PDF)
JHBP Internal Memorandum dated 11/3/97 from John Mulder regarding FEMA Recognition (
JHBP Internal Memorandum dated 11/26/97 from John Mulder regarding ARPE Recognition
Ontario Canada Ruling 95-17-36-(12678-R)
U.S. HUD Materials Release 1268c (PDF)
National Research Council Canada CCMC 12678-R (PDF)
Miami-Dade County BCCO Notice of Acceptance 02-0729.02 (PDF)

You'll need Adobe Acrobat to download PDF files. If you don't already have it, please cli
Adobe icon to download the program for free

Factory Built Construction Information

General Telephone and E-mail
1-888-JHARDIE
info@jhmh.com

MIAMI-DADE

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

James Hardie Building Product, Inc.
10901 Elm Avenue
Fontana, CA 92337

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

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

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

DESCRIPTION: Hardiplank, Cemplank, Hardipanel, Cempanel, Hardisoffit and Cemsoffitt

APPROVAL DOCUMENT: Drawing No. HPNL-8X, HPLK-4X8 & HSOFFIT-8X, titled "Hardipanel & Cempanel; Hardiplank & Cemplank; Hardisoffit & Cemsoffit Installation Details", sheets 1 through 3 with no revisions, prepared, signed and sealed by Ronald Ogawa, P.E., dated04/02/04, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

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

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

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

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

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

This NOA **revises NOA # 02-0318.08** and, consists of this page, evidence page as well as approval document mentioned above.

The submitted documentation was reviewed by **Candido F. Font PE.**

04/08/04

PRODUCT CONTROL ACCEPTED

NOA No 02-0729.02
Expiration Date: May 1, 2007
Approval Date: April 8, 2004

James Hardie Building Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE PAGE

A DRAWING

1. Drawing prepared by James Hardie Building Products, Inc. titled "Hardipanel & Cempanel; Hardiplank & Cemplank; Hardisoffit & Cemsoffit Installation Details", drawing No HPNL-8X, HPLK-4X8 & HSOFFIT-8X, dated 04/02/04, with no revisions, signed and sealed by R. L. Ogana, PE.

B TEST

	Laboratory Report	Test	Date	Signature
1.	ATI-16423-1	PA 202 & 203	03/18/96	A. N. Reeves PE.
2.	ATI 16423-2	PA 202 & 203	03/18/96	A. N. Reeves PE.
3.	ATI 16423-3	PA 202 & 203	03/18/96	A. N. Reeves PE.

C QUALITY ASSURANCE

1. Building Code Compliance Office.

D MATERIAL CERTIFICATION

1 Standard Compliance (ASTM C-1185) issued by ETL Testing Laboratories on 05/09/95 signed by D. K. Tucker, PE.

2 Evaluation Report NER-405 issued by National Evaluation Service, Inc. on 01/01/93, with no signature.

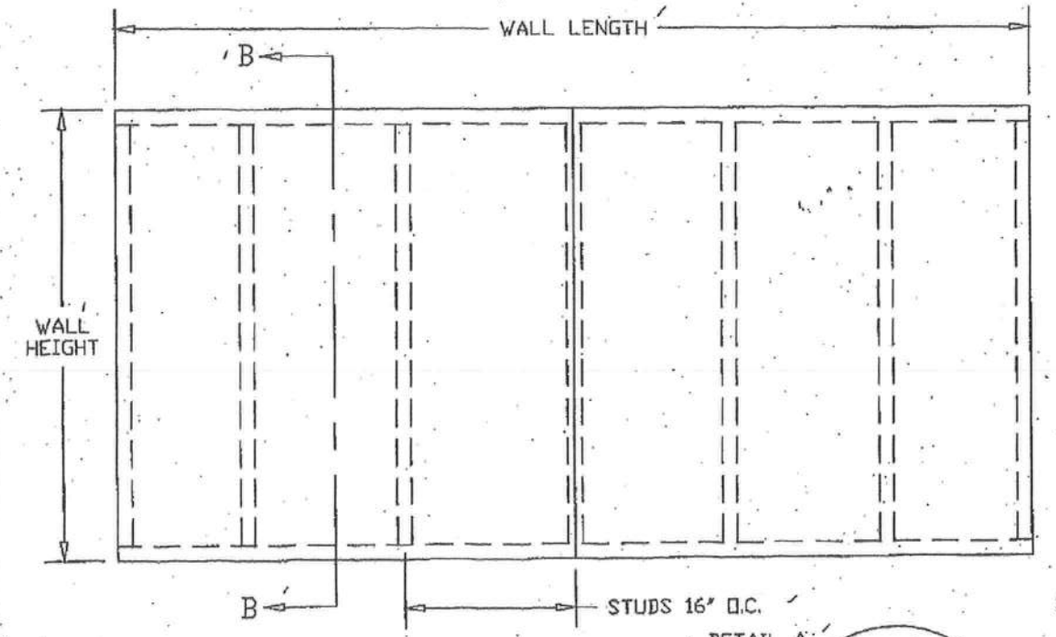
E STATEMENT

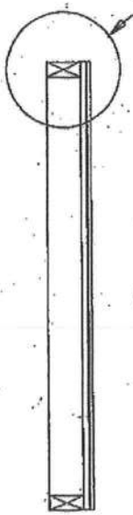
1. No change letter issued by James Hardie Building Products, Inc. issued on 02/16/99, signed and by J. L Mulder.
2. Power of Attorney and Appointment of Domestic Representative, signed by P. Shafron on 04/17/02, Assignment and Memorandum of Assignment signed by T. P. Dolmans on 04/16/02 and Assignment for the trade marks of Cemplank, Cempanel and Cemsoffit to the Assistant Commissioner for Trademarks signed by V. Lester and P. Shafron on 04/18/02

04/08/04

Candido F. Font P.E.
Sr. Product Control Examiner
NOA No 02-0729.02
Expiration Date: May 1, 2007
Approval Date: April 8, 2004

REVISION BLOCK
REV. # / DATE:





SECTION B-B

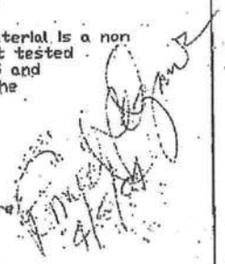
DESCRIPTION
Hardipanel & Cempanel siding material is a non asbestos fiber cement product tested in accordance with ASTM C-1185 and meeting the requirements of the Florida Building Code.

PANEL DIMENSIONS

Width	Length	Thickness
48"	8,9,10'	5/16"

DESIGN PRESSURE RATING

Installation	Design Pressure
Wood frame	-76 PSF
Metal frame	-104 PSF

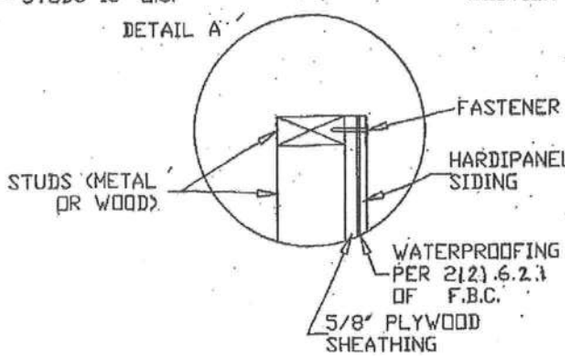


NOTES
1) ALL INSTALLATION SHALL BE DONE IN CONFORMANCE WITH THIS NOTICE OF ACCEPTANCE, THE MANUFACTURER'S INSTALLATION RECOMMENDATIONS, AND THE APPLICABLE SECTIONS OF THE FLORIDA BUILDING CODE.

2) STUDS OF METAL OR WOOD WHERE HARDIPANEL & CEMPANEL WILL BE INSTALLED SHALL BE DESIGNED BY AN ENGINEER OR ARCHITECT PER THE F.B.C. AND THE REQUIREMENTS OF THIS N.O.A.

HARDIPANEL & CEMPANEL SIDING INSTALLATION DETAILS
The panels are applied vertically, avoiding horizontal joints, over 5/8" (5 ply) APA rated plywood supported by a minimum of 2"x4" wood studs or 20 ga. x 3 5/8" x 1 3/8" steel studs spaced a maximum of 16" o.c. When installed on wood studs panels shall be fastened with 6d x 2" long galvanized box nails; on steel studs it shall be fastened with #8 x 1 5/8" x 0.315" corrosion resistance H.D. ribbed buggle screws. The fasteners shall be placed @ 6" o.c. around the perimeter of the panel and intermediate studs, driven through the plywood sheathing into the studs. All joints shall be over studs. Nails and screws shall have a minimum edge distance of 3/8" and a minimum clearance of 2" from the corners.

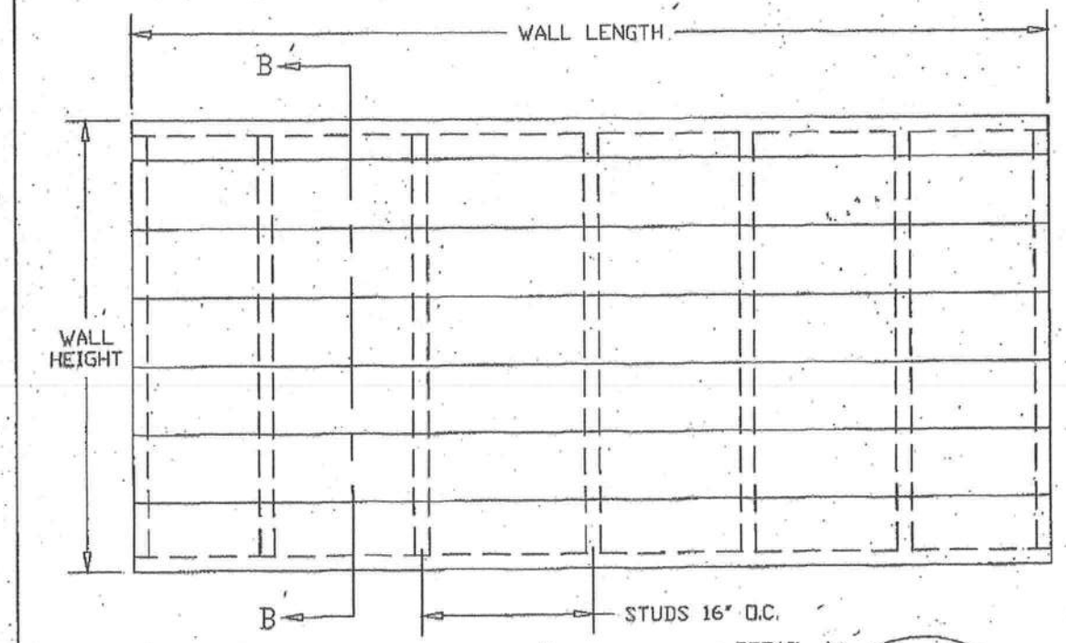
5/8" PLYWOOD SHEATHING SHALL BE ATTACHED TO THE STUDS IN ACCORDANCE TO FLORIDA BUILDING CODE, WITH ANOTHER SET OF NAILS OR SCREWS AS UNDERLINED ABOVE.

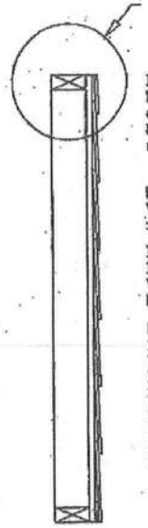


PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 02-0729.02
Expiration Date 05/04/07
By
Miami-Dade Product Control Division

JAMES HARDIE BUILDING PRODUCTS – USA RESEARCH & DEVELOPMENT CENTER	10901 ELM AVENUE FONTANA, CA 92337 909-356-6300 FAX 909-427-0634
This drawing and the copyright therein are the property of the above company and accordingly the drawing must not be copied or reproduced in any material form whatsoever.	DATE: 04/02/2004
	DRG NO.: HPNL-8X
	SHEET NO.: 1/3
TITLE: HARDIPANEL® & CEMPANEL® INSTALLATION DETAILS	SCALE: NTS
	DRAWN BY: C DIERCKS
APPROVING ENG: / ENG DISCIPLINE:	ENG NO.:

REVISION BLOCK
REV. # / DATE





SECTION B-B

DESCRIPTION
Hardiplank & Cenplank siding material is a non asbestos fiber cement product tested in accordance with ASTM C-1185 and meeting the requirements of the Florida Building Code.

PLANK DIMENSIONS

Width	Length	Thickness
≤9 1/2"	12 & 14'	5/16"

DESIGN PRESSURE RATING

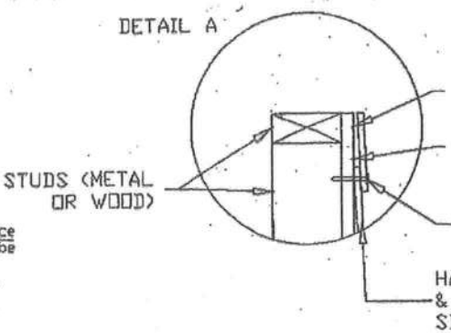
Installation	Design Pressure
Wood Frame	-92 PSF
Metal Frame	-92 PSF

NOTES
1) ALL INSTALLATION SHALL BE DONE IN CONFORMANCE WITH THIS NOTICE OF ACCEPTANCE, THE MANUFACTURER'S INSTALLATION RECOMMENDATIONS, AND THE APPLICABLE SECTIONS OF THE FLORIDA BUILDING CODE.

2) STUDS OF METAL OR WOOD WHERE HARDIPLANK & CEMPLANK WILL BE INSTALLED SHALL BE DESIGNED BY AN ENGINEER OR ARCHITECT PER THE F.B.C. AND THE REQUIREMENTS OF THIS N.O.A.

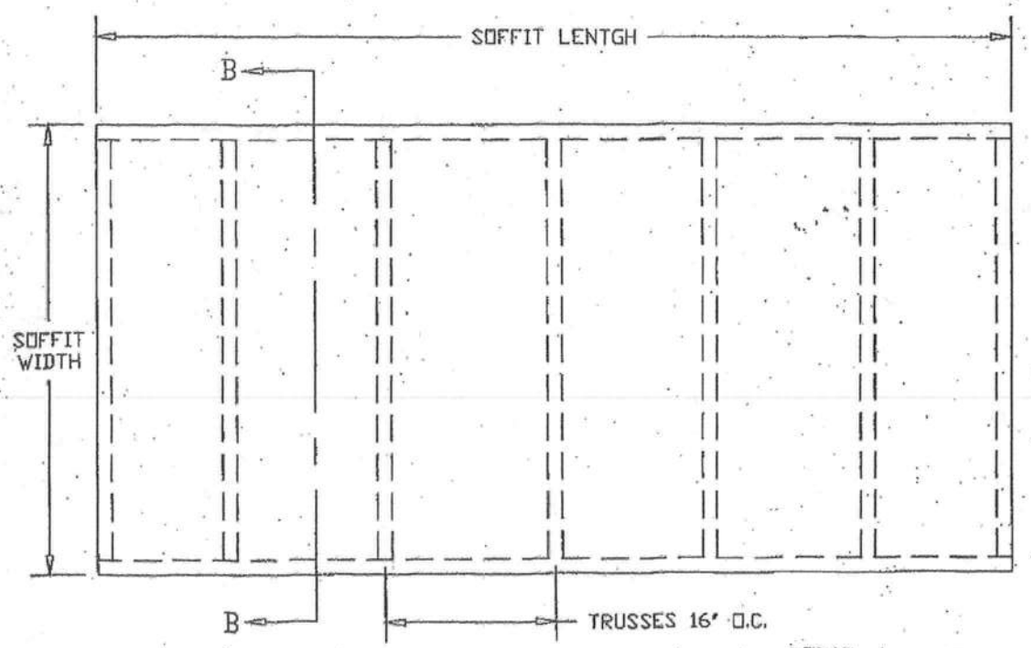
HARDIPLANK & CEMPLANK SIDING INSTALLATION DETAILS
The planks are applied horizontally commencing from the botton course of a wall with 1 1/4" wide laps at top of the plank. The optional PVC cover molding 1 5/8" wide is applied to the botton plate under the botton plank course. The vertical joints must be over framing members. Optional PVC butt joints inserts are used for on-stud jointing. The planks are to be installed over 5/8" (5 ply) APA rated plywood supported by a minimum of 2"x4" wood studs or 20 ga. x 3 5/8" x 1 3/8" steel studs spaced a maximum of 16" o.c. The siding shall be fastened through over lapping planks with 8d x 2 1/2" long galvanized box nails over wood studs or with #8 x 2 1/4" long x 0.315" corrosion resistance H.D. ribbed bugle screws over steel studs. The fasteners shall be placed in the over-lapping area ≤8" o.c. vertically and 16" o.c. horizontally into the studs through the 5/8" plywood sheathing. A distance of 3/4" from the edges shall always be observed.

5/8" PLYWOOD SHEATHING SHALL BE ATTACHED TO THE STUDS IN ACCORDANCE TO FLORIDA BUILDING CODE, WITH ANOTHER SET OF NAILS OR SCREWS AS UNDERLINED ABOVE.

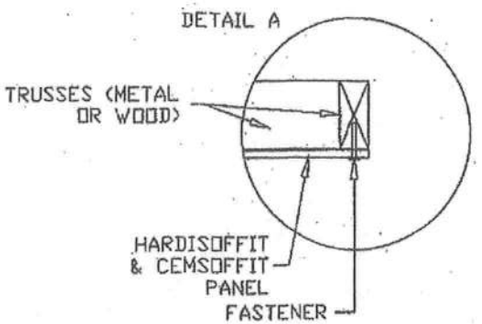


PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 02-0729.02
Expiration Date: 09/01/07
By:
Miami Dade Product Control Division

JAMES HARDIE BUILDING PRODUCTS – USA RESEARCH & DEVELOPMENT CENTER	10901 ELM AVENUE FONTANA, CA 92337 909-356-6300 FAX: 909-427-0634
This drawing and the copyright therein are the property of the above company and accordingly the drawing must not be copied or reproduced in any material form whatsoever.	DATE: 04/02/2004
	DRG NO: HPLK-4X8
	SHEET NO: 2/3
TITLE: HARDIPLANK® & CEMPLANK® INSTALLATION DETAILS	SCALE: NTS
	DRAWN BY: C DIERCKS
APPROVING ENG: ENG DISCIPLINE:	ENG NO.:



HARDISOFFIT & CEMSOFFIT PANEL INSTALLATION DETAILS
The soffit panels are to be installed over minimum 2"x4" wood joists or 20 ga. x 3 5/8" x 1 3/8" steel joists spaced a maximum of 16" o.c. When installed on wood joists Hardisoffit shall be fastened with 6d x 2" long galvanized box nails; on steel studs it shall be fastened with #8 x 1 1/4" x 0.315" corrosion resistance H.D. ribbed bugle screws. The fasteners shall be placed 4" o.c. around the perimeter of the panel and intermediate studs. Nails and screws shall have a minimum edge distance of 3/8" and a minimum clearance of 2" from corners.



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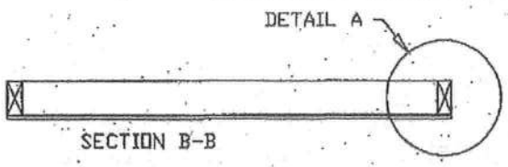


DESCRIPTION
Hardisoffit & Cemsoffit panels material is a non asbestos fiber cement product tested in accordance with ASTM C-1185 and meeting the requirements of the Florida Building Code.

SOFFIT DIMENSIONS

Width	Length	Thickness
≤48".	8,9,10'	1/4" & 5/16"

DESIGN PRESSURE RATING

Installation	Design Pressure
Wood frame	±53 PSF
Metal frame.	±53 PSF

NOTES
1) ALL INSTALLATION SHALL BE DONE IN CONFORMANCE WITH THIS NOTICE OF ACCEPTANCE, THE MANUFACTURER'S INSTALLATION RECOMMENDATIONS, AND THE APPLICABLE SECTIONS OF THE FLORIDA BUILDING CODE.

2) TRUSS OF METAL OR WOOD WHERE HARDISOFFIT & CEMSOFFIT WILL BE INSTALLED SHALL BE DESIGNED BY AN ENGINEER OR ARCHITECT PER THE F.B.C. AND THE REQUIREMENTS OF THIS N.O.A.

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 02-072902
Expiration Date 07/01/07
By:
Miami Dade Product Control Division

JAMES HARDIE BUILDING PRODUCTS – USA
RESEARCH & DEVELOPMENT CENTER
10901 ELM AVENUE
FONTANA, CA 92337
909-356-6300
FAX: 909-427-0634

DATE:	04/02/2004
DRG NO.:	HSOFFIT-8X
SHEET NO.:	3/3
SCALE:	NTS
DRAWN BY:	C DIERCKS
ENG NO.:	

TITLE: HARDISOFFIT® & CEMSOFFIT® INSTALLATION DETAILS

APPROVING ENG: | ENG DISCIPLINE:

Single Opening Door Report

Manufacturer: Amweld Building Products
Address: Industrial Park, 1500 Amweld Drive, Garrettsville, OH 44321
Specifications: Metro Dade County Protocol PA 201, 202 & 203

DESCRIPTION OF UNIT

Model Designation: Series: 1500/400; Out-Swinging Steel Entrance Door

Overall Size: 3'7 7/8" (43 7/8") by 8'2" (98") high by 5.750" deep.

Configuration: X

No. & Size of Panels: One steel panel; 3'3 11/16" (39 11/16") by 7'11 1/18" (95 1/8") high by 1 3/4" thick.

MATERIAL CHARACTERISTICS

Frame Construction: Equal leg typeframe. Frame head and jambs have mitered joints, each fastened with a corner key and tabbed over. Frame threshold and frame jambs have butt joints, threshold not fastened to frame jamb. Threshold has a mill coated finish, aluminum *alloy 6063 T-5. *Size of frame members are as follows: frame head and frame jamb (each 16 gauge steel), 2.000" by 5.7500" by 2.000" by 0.059" wall thickness (solid extrusions); frame sill (solid extrusion) 0.875" by 5" by 0.500".

Panel Construction: 18 gauge steel panel has a continuous seam, spot welded on 2" centers. Panel is 1 3/4" deep with a polystyrene core and has a wall thickness of 0.048".

Weatherstripping:

Quantity:	Description:	Location:
Single Row	adhesive black vinyl bulb, * Hager No. 736S	at frame head and frame jambs
Single Row	closed foam cell with multi fingers, * Hager 861S	at weatherstrip adapter in frame head and frame jamb
Single Row	vinyl bulb weatherstrip, *Hager 580S	at frame threshold

Hardware:

Quantity:	Description:	Location:
Four	4 1/2" long butt hinges, *Hager # BB1168, with 10 gauge steel plate reinforcement	9 3/4" and 35" from each end of the frame jamb
One	surface mount lever type entry lock, push button lock on the interior and key operated on the exterior, (A-1, A-2 and A-3, * Falcon	39 1/2" from bottom of panel

	LM561DG Mortise Lock with 35328M template reinforcement; A-4, * Falcon T501D with 35020M template reinforcement)	lock stile
One	4 7/8" ANSI strike plate, *NT Falcon with 16 gauge steel plate reinforcement	40 1/4" from bottom of right frame jamb

*as per manufacturer and drawings

Weepholes: None
Reinforcement: None
Sealants: Lower frame corners and weatherstrip adapter sealed to frame with white colored latex sealant, *OS1 Pro Series PC-158
Pads: None
Additional Description: One aluminum weatherstrip adapter, *Hager part No. 861S, at frame head and frame jambs, fastened with No. 8 by 1/2" pan head self drilling screws, 12 at each frame jamb and five at frame head. One aluminum bug sweep, *Hager 754S at panel bottom rail, fastened with No. 10 by 3/4" self drilling screws, 2" from each end and on 8" centers.
Unit Installation: Unit A-1, A-2 and A-4, tested in 2 X 12 pressure treated wood test buck, and unit A-3 tested in a 3 1/2" by 6 1/2" concrete slab at perimeter of unit. Units, A-1, A-2 and A-4 installed with a single row of 3/8" by 5" long carriage bolts and nuts through steel in frame head and each frame jamb; unit A-3, installed with 3/8" by 4" long wej-it, *Kingpin, anchor bolts through a 5 1/2" long steel anchor bracket at frame jambs and frame head; all units have a single row of No. 12 by 1 1/4" flat head sheet metal screws in frame sill. Approximate location of installation screw spacing as follows: frame head, 11" from right frame jamb; frame sill, 4" from each end and on 12" centers; frame jamb, 5" from each end and on 21" centers.
Product Markings: None

* as per manufacturer and drawings

OFFICIAL TEST RESULTS

Title of Test	**Measured**	**Remarks**
Unit A-1		
Air Infiltration Test: (ASTM E283) at 1.57 psf	1.20 cfm/sq.ft.	Passed
1/2 Structural Load Test:		
Exterior Load	52.5 psf	Passed
Interior Load	52.5 psf	Passed
Uniform Design Load Test: (ASTM E330)		
Exterior Load	70.0 psf	Passed
Interior Load	70.0 psf	Passed
Deflection	0.728 inches	
Water Resistance Test: (ASTM E547/E331)		
no leakage at	10.50 psf	Passed
Uniform Structural Load Test: (ASTM E330)		
Exterior Load	105.0 psf	Passed
Interior Load	105.0 psf	Passed

Deflection	3.048 inches	
Forced Entry Resistance:		
300 pound concentrated load perpendicular to plane of door: within 6" of lock at lock stile and within 6" of the top and bottom.		
(tested separately)	No Entry	Passed
Large Missile Impact Test:		
Center of panel	49.5 ft./sec	Passed
Lower right corner of panel	50.0 ft./sec	Passed
Cyclic Wind Load Test:		Passed
Exterior (Positive) Pressure		
Range-------Cycles-------Duration		
(Pmax=70.0 psf)---------(seconds)		
0.0 to 0.5------600----------1.0		
0.0 to 0.6-------70----------1.0		
0.0 to 1.3--------1----------1.0	Deflection--------0.761"	
Interior (Negative) Pressure		Passed
0.0 to 1.3------600----------1.0		
0.0 to 0.6-------70----------1.0		
0.0 to 0.5--------1----------1.0	Deflection--------1.284"	

Title of Test	**Measured**	**Remarks**
Unit A-2		
Large Missle Impact Test:		
Center of panel	49.9 ft./sec	Passed
Lower right corner panel	49.9 ft./sec	Passed
Cyclic Wind Load Test:		Passed
Exterior (Positive) Pressure		
Range-------Cycles-------Duration		
(Pmax=70.0 psf)---------(seconds)		
0.0 to 0.5------600-----------1.0		
0.0 to 0.6-------70-----------1.0		
0.0 to 1.3--------1-----------1.0	Deflection-------0.768"	
Interior (Negative) Pressure		Passed
0.0 to 1.3------600-----------1.0		
0.0 to 0.6-------70-----------1.0		
0.0 to 0.5--------1-----------1.0	Deflection-------0.997"	

Title of Test	**Measured**	**Remarks**

Unit A-3		
Large Missle Impact Test:		
Center of panel	49.6 ft./sec	Passed
Lower right corner panel	49.8 ft./sec	Passed
Cyclic Wind Load Test:		Passed
Exterior (Positive) Pressure		
Range-------Cycles-------Duration		
(Pmax=70.0 psf)---------(seconds)		
0.0 to 0.5------600----------1.0		
0.0 to 0.6-------70----------1.0		
0.0 to 1.3--------1----------1.0	Deflection-------0.866"	
Interior (Negative) Pressure		Passed
0.0 to 1.3------600----------1.0		
0.0 to 0.6-------70----------1.0		
0.0 to 0.5--------1----------1.0	Deflection-------1.055"	

Title of Test	**Measured**	**Remarks**
Unit A-4		
Large Missle Impact Test:		
Center of panel	50.1 ft./sec	Passed
Lower right corner panel	49.8 ft./sec	Passed
Cyclic Wind Load Test:		Passed
Exterior (Positive) Pressure		
Range-------Cycles-------Duration		
(Pmax=70.0 psf)---------(seconds)		
0.0 to 0.5------600----------1.0		
0.0 to 0.6-------70----------1.0		
0.0 to 1.3--------1----------1.0	Deflection-------0.915"	
Interior (Negative) Pressure		Passed
0.0 to 1.3------600----------1.0		
0.0 to 0.6-------70----------1.0		
0.0 to 0.5--------1----------1.0	Deflection-------1.114"	

Note: At conclusion of above tests, there was no apparent damage to unit or fasteners.

Test Completed - March 19, 1997

Remarks: This test report does not constitute certification of this product, but only that the above test results were obtained using the designated test methods and tested in accordance with Dade County Protocol PA 201, 202 & 203.

Detailed assembly drawings showing wall thickness of all members, corner construction and hardware application are on file and have been compared to the sample submitted. A test sample will be retained at the test laboratory.

Note: Test specimens were covered with a 1.5 mil plastic sheeting to seal from air leakage when load tests were performed, however this had no effect on the above test results. Large missle impact test performed with 6' long 2 X 4 (#2 SP) lumber, (weight of missle, 9 pounds). Deflection gauges were set at midspan of panel.

Witnessed by:

Mr. Gilbert Diamond, P.E.
Mr. Allan Ashachik, Amweld
Mr. Mike Kolovich, Amweld
Mr. Gary D. Rose, Falcon Lock
Mr Hong Kim, NT Monarch

Laboratory Technicians:
Roberto Robleto
Roque Zavala
Jose Vargas

4 - Amweld Building Products
2 - Amweld Building Products (Metro Dade County)
2 - NT Falcon Lock
2 - NT Monarch Hardware
2 - Hager Hinge Company

FENESTRATION TESTING LABORATORY INC.

Manny Sanchez
President

Cert. No. 96-0703.05
Auth No. FTL97014
Lab. Number 1599
March 24, 1997
Report Number 2
File Number 97-171

L-2150

View the paired opening doors report

PRODUCT APPROVAL SPECIFICATION SHEET

Location: 479 SW Old Spanish Rd Ft White **Project Name:** Preston Residense

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are **applying for a building permit on or after April 1, 2004**. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS	Amweld Building	2: 3'0" Exterior steel	See Attached
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung			
2. Horizontal Slider			
3. Casement			
4. Double Hung	ST. Clad Windows	7: 30"x60" Aluminum frame	See Attached
5. Fixed			
6. Awning			
7. Pass -through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding	Hardie products	4'x8' hardie board	See Attached
2. Soffits	Hardie products	hardie soffit	See Attached
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf	Galvalume	Standing Seam panels	See Attached
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			
2. Truss plates	Anderson	10/12 pitch	See Attached
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

I understand these products may have to be removed if approval cannot be demonstrated during inspection

Contractor or Contractor's Authorized Agent Signature

Print Name

Date

Location

Permit # **(FOR STAFF USE ONLY)**

NOTICE:

ADDRESSES BY APPOINTMENT ONLY!

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

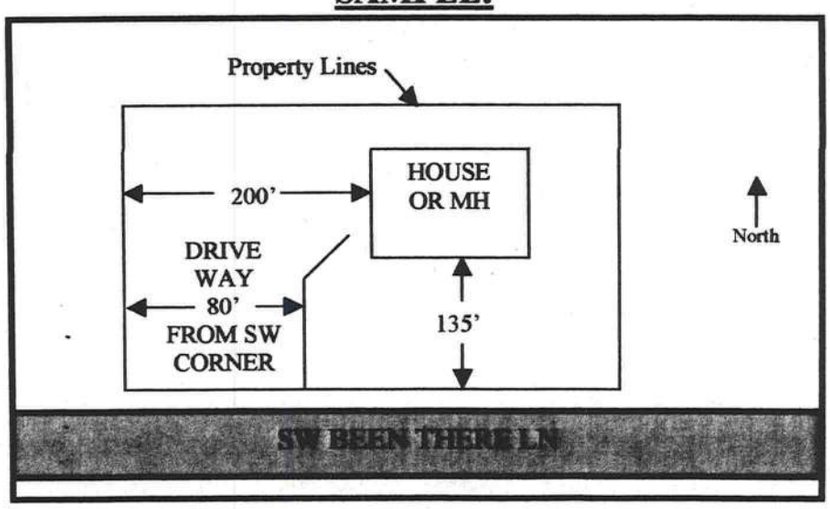
YOU CAN NOT OBTAIN A NEW ADDRESS OVER THE TELEPHONE. MUST MAKE AN APPOINTMENT!

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

THE REQUESTER WILL NEED THE FOLLOWING:

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

SAMPLE:



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

Mark Disosway, P.E.
POB 868, Lake City, FL 32056, Ph (386) 754-5419, Fax (386) 269-4871

December, 1, 2005

Building Department

Re: Permit #0511-90, Ron Preston, Lot 5 Ichetuckhee Forest Tract "B" Phase I Columbia County, FL

Dear Building Official:

Please accept this letter as addendum to the plans for the above referenced house to change all references to FBC 2001 to FBC 2004.

- The plan was drawn prior to the effective date for FBC 2004, 01 October 2005.
- Since the wind load requirements of FBC 2004 remain basically unchanged from FBC 2001 there are no structural changes required to this plan.

Mark Disosway, PE
Florida Registered Professional Engineer

To: Columbia County Building Dept.

Subject: Extension of Building Permit

From: Ron Preston, Building permit #000023945

I would like to extend my building permit for another six months for several reasons. I am building the house myself with the help from friends and small subcontractors for certain phases. With the huge amount of building going on this last year it has been difficult to acquire the labor needed to finish the project. I have also had some health issues that have increased the delays. My projection is to be "dried in " by April 1.

Thank you

Ron Preston

To: Columbia County Building Dept.

Subject: Extension of Building Permit

From: Ron Preston, Building permit #000023945

I would like to extend my building permit. I have passed my rough-in inspection. I am now working on the final interior and exterior details. I hope to complete the project by 04/01/08

Thank you

Ron Preston

To: Columbia County Building Dept.

Subject: Extension of Building Permit

From: Ron Preston, Building permit #000023945

I would like to extend my building permit. The House is dried in and I have had new underground electric installed by clay electric, and am working on rough in plumbing and electric. My estimate for completion of the structure is 12/07

Thank you

Ron Preston

Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
 Document ID:1SQP487-Z0622145441

Truss Fabricator:	Anderson Truss Company
Job Identification:	5-407-RON PRESTON
Truss Count:	2
Model Code:	Florida Building Code 2001
Truss Criteria:	ANSI/TPI-1995(STD)/FBC
Engineering Software:	Alpine Software,Version 7.04.
Structural Engineer of Record:	
Address:	
Minimum Design Loads:	Roof - 40.0 PSF @ 1.25 Duration Floor - N/A Wind - 110 MPH ASCE 7-98 -Closed

Seal Date: 09/22/2005

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

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: A11015EC-GBLLETIN

#	Ref	Description	Drawing#	Date
1	01129	--A2	05265084	09/22/05
2	01130	--A1-GE	05265085	09/22/05

Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
 Document ID:1SQP487-Z0622145441

Truss Fabricator:	Anderson Truss Company
Job Identification:	5-407-RON PRESTON (5-407|-RON PRESTON)
Truss Count:	1
Model Code:	Florida Building Code 2001
Truss Criteria:	ANSI/TPI-1995(STD)/FBC
Engineering Software:	Alpine Software,Version 7.04.
Structural Engineer of Record:	
Address:	
Minimum Design Loads:	Roof - 40.0 PSF @ 1.25 Duration Floor - N/A Wind - 110 MPH ASCE 7-98 -Closed

Notes:

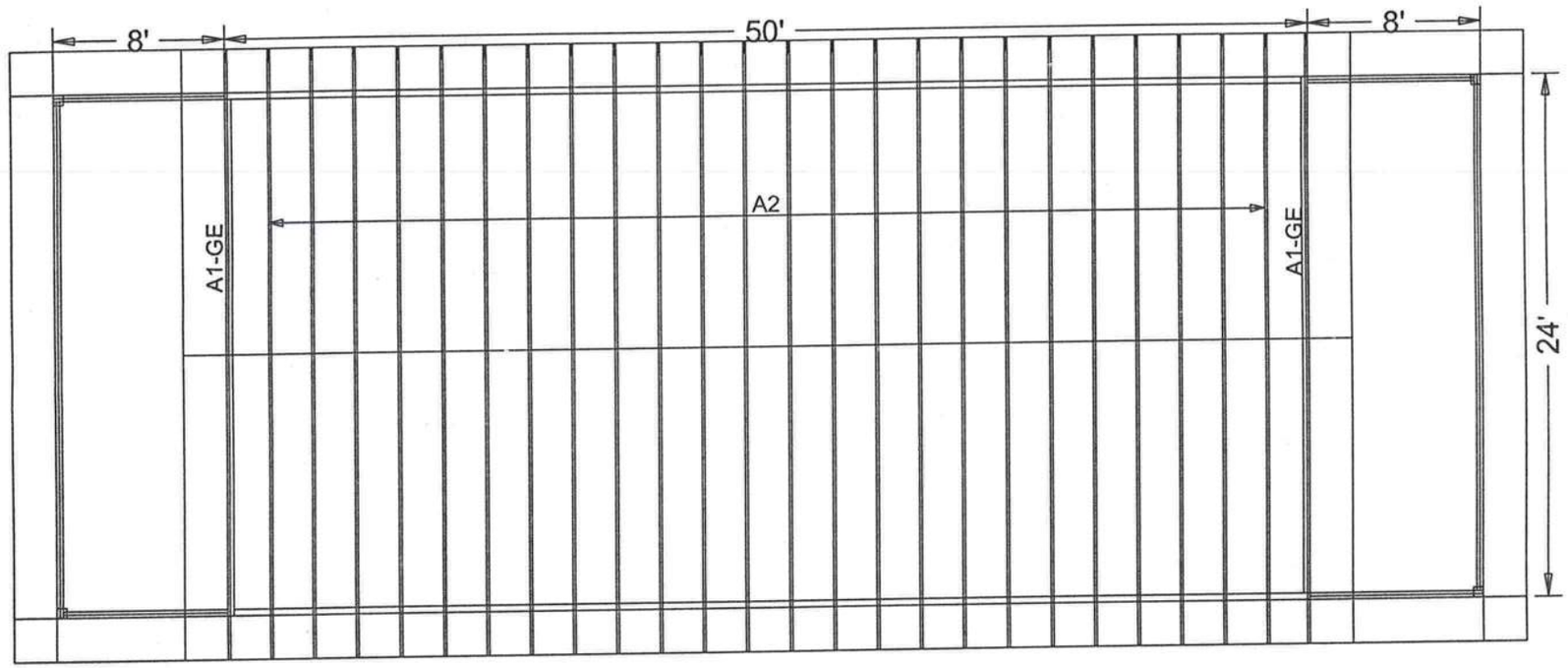
1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown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

Seal Date: 09/22/2005

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

Revised Trusses

#	Ref	Description	Drawing#	Date
1	01130--A1-GE		05265085	09/22/05



9/21/05

#5-407 RON PRESTON

Scale: 1/8" = 1'

JOB NO: 5-407	PAGE NO: 1 OF 1

(5-407-RON PRESTON - A2)

Top chord 2x4 SP #2 Dense :T2, T3 2x8 SP SS:
Bot chord 2x6 SP #2 :B2 2x8 SP SS:
:B3 2x4 SP #2 Dense:
Webs 2x4 SP #3

Calculated horizontal deflection is 0.12" due to live load and 0.15" due to dead load.

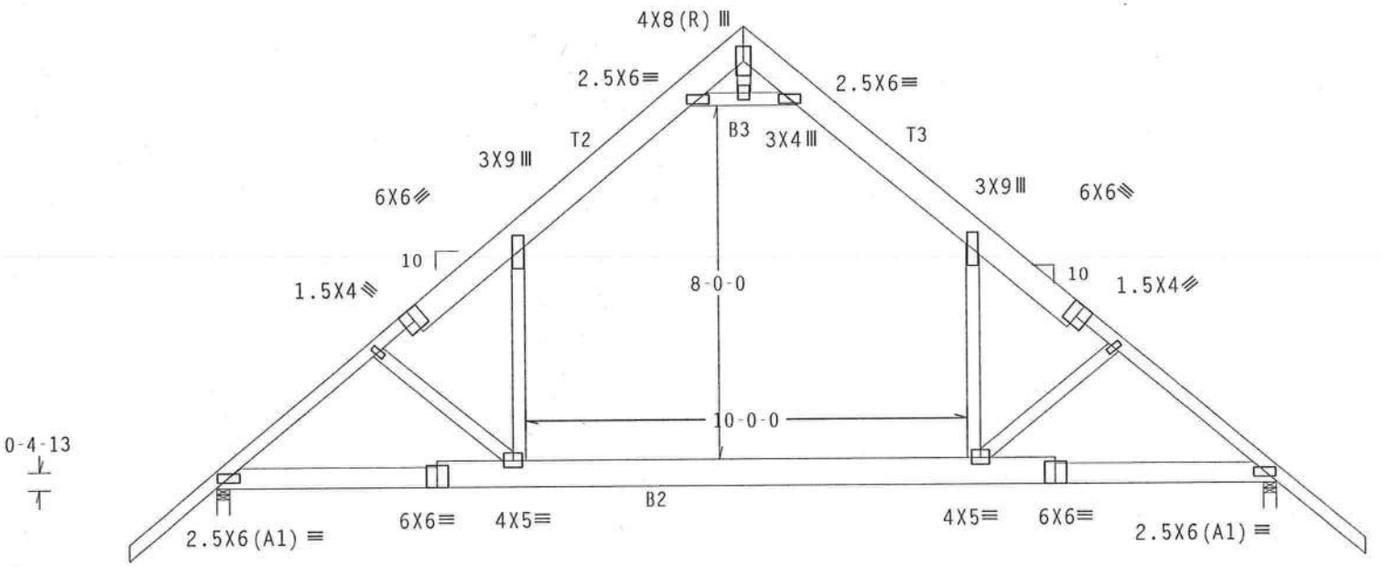
BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 7-0-0 to 17-0-0.

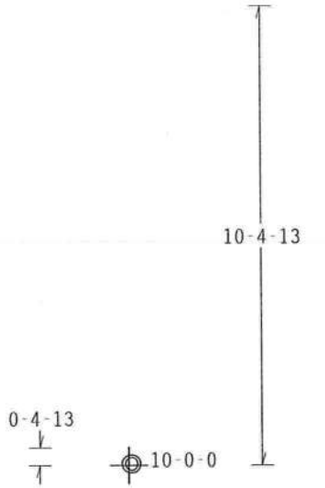
110 mph wind, 14.57 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

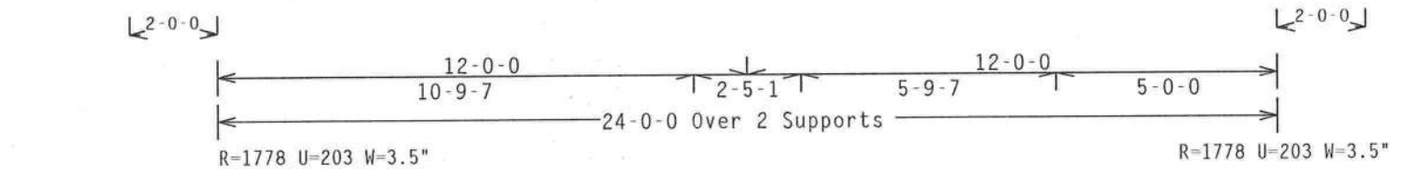
Roof overhang supports 2.00 psf soffit load.

Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

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







PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0805 | QTY:24 FL/-/3/-/-/R/- | Scale =.25"/Ft.

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

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL 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 AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (M,H/S/K) ASTM A653 GRADE 40/60 (M, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Sep 22 '05

TC LL	20.0 PSF	REF	R487-- 1129
TC DL	10.0 PSF	DATE	09/22/05
BC DL	10.0 PSF	DRW	HCUSR487 05265084
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	36197
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF-	1SOP487_Z06

(5-407-RON PRESTON - A1-GE)

Top chord 2x4 SP #2 Dense :T3, T4 2x8 SP SS:
Bot chord 2x6 SP #2 :B2 2x8 SP SS:
:B3 2x4 SP #2 Dense:
Webs 2x4 SP #3

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

TC - From	81 PLF	at	-2.00	to	81 PLF	at 7.00
TC - From	101 PLF	at	7.00	to	101 PLF	at 11.24
TC - From	81 PLF	at	11.24	to	81 PLF	at 12.76
TC - From	101 PLF	at	12.76	to	101 PLF	at 17.00
TC - From	81 PLF	at	17.00	to	81 PLF	at 26.00
PLT- From	20 PLF	at	11.55	to	20 PLF	at 12.45
BC - From	4 PLF	at	-2.00	to	4 PLF	at 0.00
BC - From	20 PLF	at	0.00	to	20 PLF	at 7.00
BC - From	120 PLF	at	7.00	to	120 PLF	at 17.00
BC - From	20 PLF	at	17.00	to	20 PLF	at 24.00
BC - From	4 PLF	at	24.00	to	4 PLF	at 26.00
BC -	89 LB Conc. Load at 7.00, 17.00					

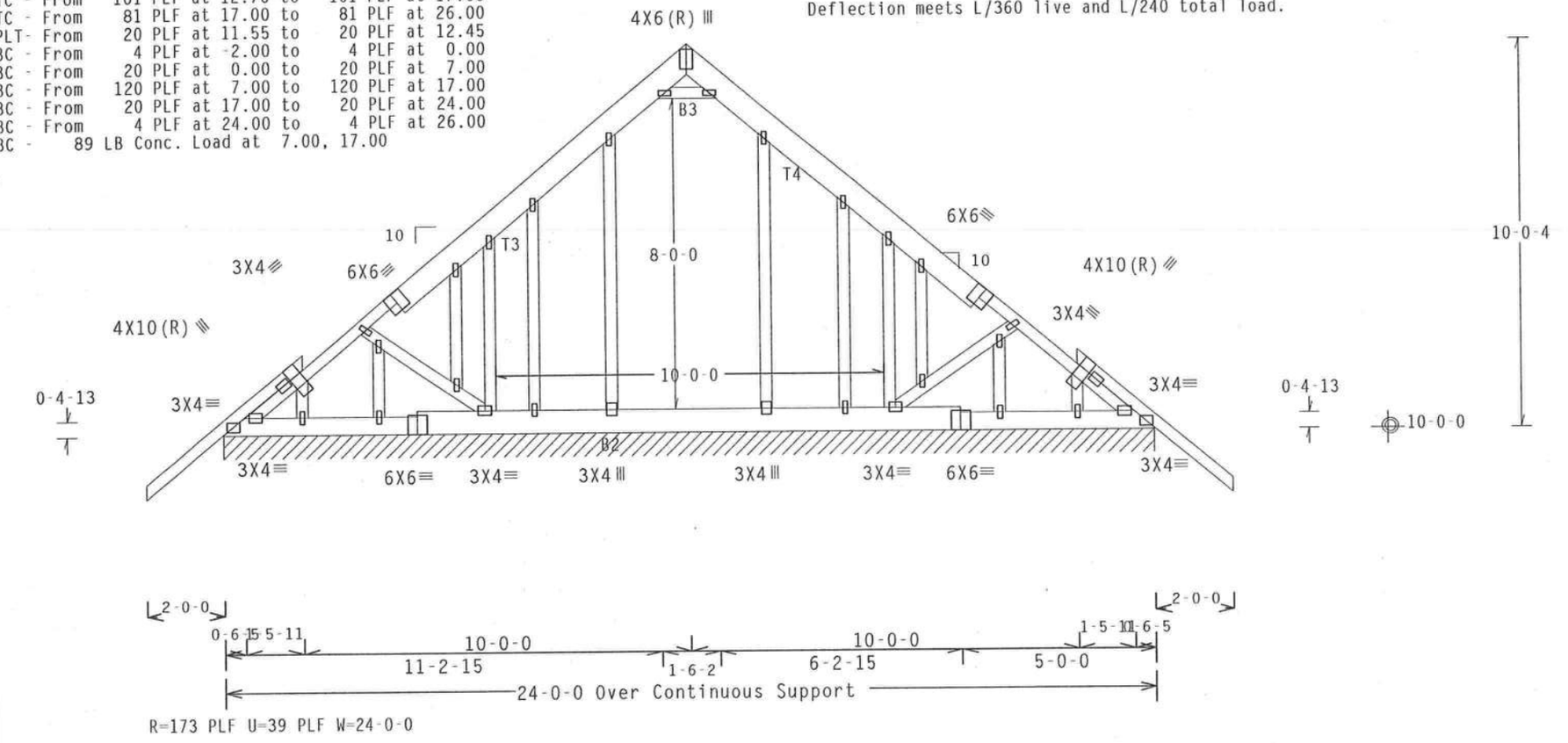
110 mph wind, 14.38 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Roof overhang supports 2.00 psf soffit load.

See DWGS A11015EC1103 & GBLLETIN0405 for more requirements.

Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

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



R=173 PLF U=39 PLF W=24-0-0

Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0805 | QTY:2 | FL/-/3/-/-/R/- | Scale =.25"/Ft.

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Sep 22 '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-- 1130
DATE	09/22/05
DRW	HCUSR487 05265085
HC-ENG	JB/AF
SEQN-	36213 REV
FROM	JP
JREF-	1SQP487_Z06

ASCE 7-98: 110 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH

2X4 GABLE VERTICAL SPACING	SPECIES	BRACE GRADE	NO BRACES	(1) 1X4 "L" BRACE *		(1) 2X4 "L" BRACE *		(2) 2X4 "L" BRACE **		(1) 2X6 "L" BRACE *		(2) 2X6 "L" BRACE **	
				GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
24" O.C.	SPF HF	#1 / #2	3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 8"	12' 5"	12' 9"	14' 0"	14' 0"
		#3	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"
		STUD	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 3"	12' 3"	14' 0"	14' 0"
		STANDARD	3' 9"	5' 2"	5' 2"	6' 9"	6' 9"	9' 1"	9' 1"	10' 7"	10' 7"	14' 0"	14' 0"
	SP DFL	#1	4' 3"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
		#2	4' 2"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
		#3	4' 0"	6' 2"	6' 2"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 8"	14' 0"	14' 0"
		STUD	4' 0"	6' 1"	6' 1"	7' 11"	8' 0"	9' 5"	9' 11"	12' 5"	12' 6"	14' 0"	14' 0"
		STANDARD	3' 10"	5' 3"	5' 3"	6' 11"	6' 11"	9' 4"	9' 4"	10' 10"	10' 10"	14' 0"	14' 0"
16" O.C.	SPF HF	#1 / #2	4' 5"	7' 8"	7' 10"	9' 1"	9' 4"	10' 10"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 4"	6' 4"	6' 4"	8' 4"	8' 4"	10' 10"	10' 10"	12' 11"	12' 11"	14' 0"	14' 0"
	SP DFL	#1	4' 10"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	4' 9"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 6"	7' 7"	7' 7"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	4' 6"	7' 6"	7' 6"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 5"	6' 5"	6' 5"	8' 6"	8' 6"	10' 10"	11' 1"	13' 3"	13' 3"	14' 0"	14' 0"
12" O.C.	SPF HF	#1 / #2	4' 11"	8' 5"	8' 8"	10' 0"	10' 3"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 9"	7' 3"	7' 3"	9' 7"	9' 7"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"
	SP DFL	#1	5' 4"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	5' 3"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	5' 0"	8' 5"	8' 5"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	5' 0"	8' 5"	8' 7"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 11"	7' 5"	7' 5"	9' 10"	9' 10"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE-PINE-FIR	
#1 / #2	STANDARD
#3	STUD

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

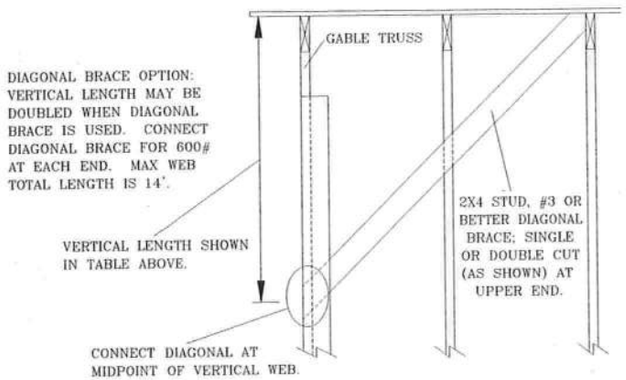
SOUTHERN PINE
#3
STUD
STANDARD

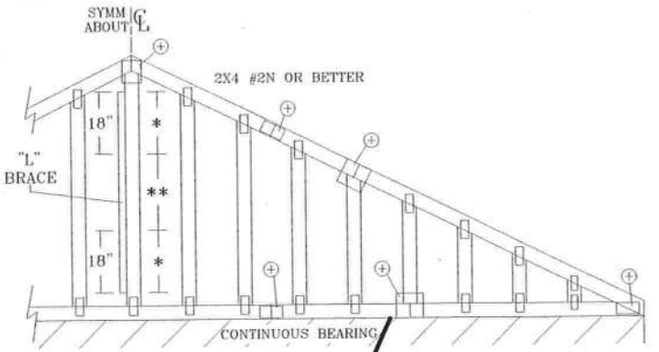
GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#1
#2

DOUGLAS FIR-LARCH
#1
#2





REFER TO CHART ABOVE FOR MAX. GABLE VERTICAL LENGTH.

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 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

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

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

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI. 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL 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,K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) 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 SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

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

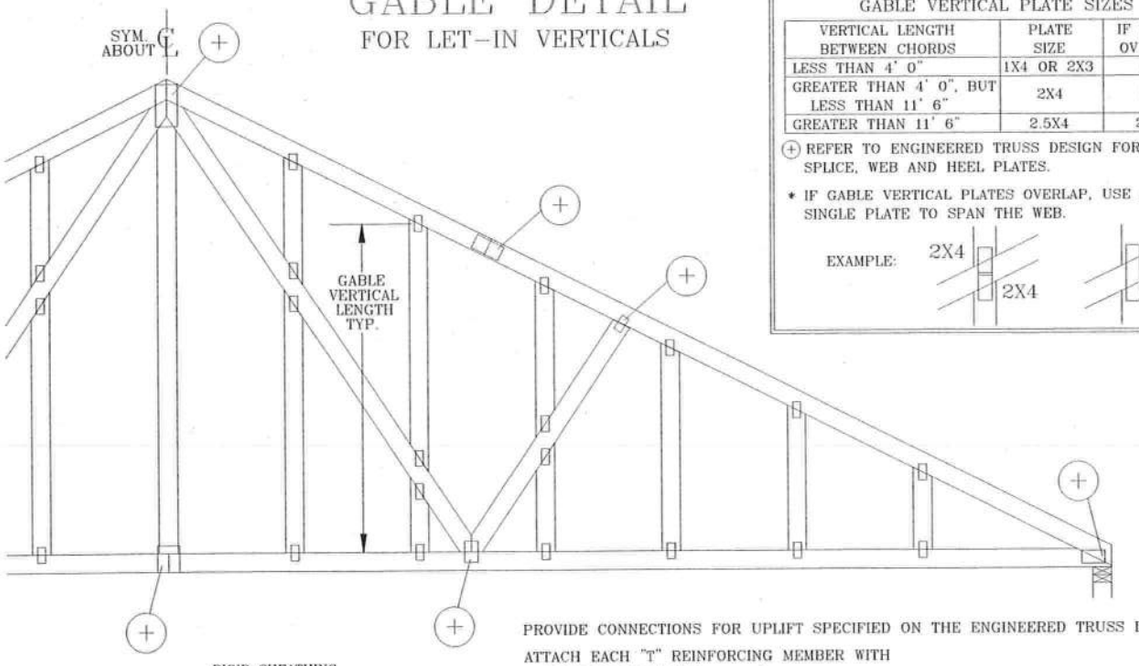
Sep

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-98-GAB11015
DATE	11/26/03
DRWG	A11015EC1103
-ENG	

GABLE DETAIL
FOR LET-IN VERTICALS

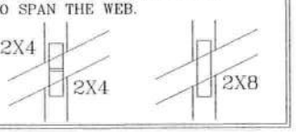


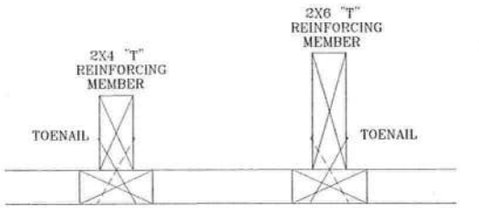
GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X8
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	2X8
GREATER THAN 11' 6"	2.5X4	2.5X8

(+) REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPLICE, WEB AND HEEL PLATES.

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

EXAMPLE:





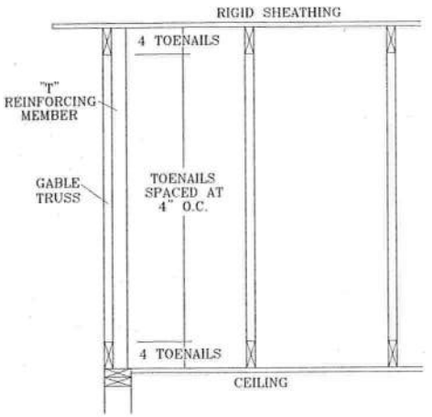
TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

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

WEB LENGTH INCREASE W/ "T" BRACE

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

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



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
A11015EN1103, A10015EN1103, A09015EN1103, A08015EN1103, A07015EN1103
A11030EN1103, A10030EN1103, A09030EN1103, A08030EN1103, A07030EN1103
ASCE 7-98 GABLE DETAIL DRAWINGS
A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A08515EC1103
A13030EC1103, A12030EC1103, A11030EC1103, A10030EC1103, A08530EC1103
SBCCI GABLE DETAIL DRAWINGS
S11015EN1103, S10015EN1103, S09015EN1103, S08015EN1103, S07015EN1103
S11030EN1103, S10030EN1103, S09030EN1103, S08030EN1103, S07030EN1103

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

THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

ALPINE
ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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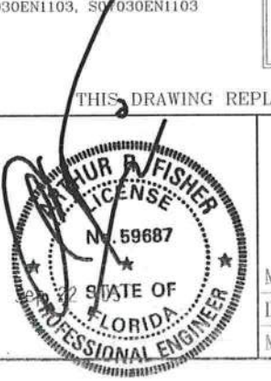


MAX TOT. LD. 60 PSF
DUR. FAC. ANY
MAX SPACING 24.0"

REF	LET-IN VERT
DATE	01/16/04
DRWG	GBLLETIN1103
-ENG	DLJ/KAR

FORM 600A-2001

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Preston Residence**	Builder:	**Owner**
Address:	**Lot: 5, Sub: Ichetucknee For, Plat:**	Permitting Office:	**Columbia Co.**
City, State:	**Fort White, FL**	Permit Number:	
Owner:	**Ron Preston**	Jurisdiction Number:	**121000**
Climate Zone:	**North**		

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		2	__
5. Is this a worst case?		No	__
6. Conditioned floor area (ft²)		1200 ft²	
7. Glass area & type	Single Pane	Double Pane	__
a. Clear glass, default U-factor	0.0 ft²	177.0 ft²	__
b. Default tint	0.0 ft²	0.0 ft²	__
c. Labeled U or SHGC	0.0 ft²	0.0 ft²	
8. Floor types			__
a. Raised Wood, Stem Wall		ft²	__
b. N/A			__
c. N/A			
9. Wall types			__
a. Frame, Wood, Exterior		R=13.0, 981.0 ft²	__
b. N/A			__
c. N/A			__
d. N/A			__
e. N/A			
10. Ceiling types			__
a. Under Attic		R=30.0, 1200.0 ft²	__
b. N/A			__
c. N/A			
11. Ducts			__
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 6.0 ft	__
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 35.0 kBtu/hr	__
	SEER: 10.00	__
b. N/A		__
		__
c. N/A		__
		__
13. Heating systems		
a. Electric Heat Pump	Cap: 35.0 kBtu/hr	__
	HSPF: 7.90	__
b. N/A		__
		__
c. N/A		__
		__
14. Hot water systems		
a. Electric Resistance	Cap: 30.0 gallons	__
	EF: 0.90	__
b. N/A		__
		__
c. Conservation credits		__
(HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits	PT, CF,	__
(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)		

Glass/Floor Area: 0.15

Total as-built points: 17447
Total base points: 18379

PASS

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

PREPARED BY: Tim Delbene

DATE: 1/13/05

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.

GREAT SEAL OF THE STATE OF FLORIDA
IN GOD WE TRUST

BUILDING OFFICIAL: _____

DATE: _____

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 5, Sub: Ichetucknee For, Plat: , Fort White, FL,** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	**1200.0**	**20.04**	**4328.6**	Double, Clear	N	10.0	5.0	6.0	19.20	0.62	71.8	
				Double, Clear	S	10.0	8.0	36.0	35.87	0.49	632.1	
				Double, Clear	E	2.0	8.0	54.0	42.06	0.91	2073.2	
				Double, Clear	E	2.0	5.0	3.0	42.06	0.80	100.6	
				Double, Clear	E	2.0	10.0	24.0	42.06	0.95	957.6	
				Double, Clear	W	2.0	5.0	18.0	38.52	0.80	554.3	
				Double, Clear	W	2.0	8.0	36.0	38.52	0.91	1266.7	
				As-Built Total:				**177.0**			**5656.2**	
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			13.0	981.0	1.50		1471.5	
Exterior	981.0	1.70	1667.7									
Base Total:	**981.0**		**1667.7**	**As-Built Total:**				**981.0**			**1471.5**	
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points	
Adjacent	0.0	0.00	0.0	Exterior Insulated				21.0	4.10		86.1	
Exterior	42.0	6.10	256.2	Exterior Insulated				21.0	4.10		86.1	
Base Total:	**42.0**		**256.2**	**As-Built Total:**				**42.0**			**172.2**	
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points	
Under Attic	1200.0	1.73	2076.0	Under Attic			30.0	1200.0	1.73 X 1.00		2076.0	
Base Total:	**1200.0**		**2076.0**	**As-Built Total:**				**1200.0**			**2076.0**	
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Slab	0.0(p)	0.0	0.0	Raised Wood, Stem Wall			19.0	1200.0	-1.50		-1800.0	
Raised	1200.0	-3.99	-4788.0									
Base Total:			**-4788.0**	**As-Built Total:**				**1200.0**			**-1800.0**	
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points	
	1200.0	10.21	12252.0					1200.0	10.21		12252.0	

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 5, Sub: Ichetucknee For, Plat: , Fort White, FL,** PERMIT #:

BASE				AS-BUILT						
Summer Base Points:			**15792.5**	**Summer As-Built Points:**						**19827.9**
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
15792.5	**0.4266**		**6737.1**	19827.9 **19827.9**	1.000 **1.00**	(1.090 x 1.147 x 0.91) **1.138**	0.341 **0.341**	0.902 **0.902**		6948.5 **6948.5**

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 5, Sub: Ichetucknee For, Plat: , Fort White, FL,** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	**1200.0**	**12.74**	**2751.8**	Double, Clear	N	10.0	5.0	6.0	24.58	1.03	151.2	
				Double, Clear	S	10.0	8.0	36.0	13.30	3.09	1477.5	
				Double, Clear	E	2.0	8.0	54.0	18.79	1.04	1050.8	
				Double, Clear	E	2.0	5.0	3.0	18.79	1.08	61.1	
				Double, Clear	E	2.0	10.0	24.0	18.79	1.02	461.4	
				Double, Clear	W	2.0	5.0	18.0	20.73	1.06	395.2	
				Double, Clear	W	2.0	8.0	36.0	20.73	1.02	763.7	
				As-Built Total:				**177.0**			**4360.9**	

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0	981.0	3.40	3335.4
Exterior	981.0	3.70	3629.7					
Base Total:	**981.0**		**3629.7**	**As-Built Total:**		**981.0**		**3335.4**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	0.0	0.00	0.0	Exterior Insulated	21.0	8.40	176.4
Exterior	42.0	12.30	516.6	Exterior Insulated	21.0	8.40	176.4
Base Total:	**42.0**		**516.6**	**As-Built Total:**	**42.0**		**352.8**

CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X	WCM =	Points
Under Attic	1200.0	2.05	2460.0	Under Attic	30.0	1200.0	2.05 X	1.00	2460.0
Base Total:	**1200.0**		**2460.0**	**As-Built Total:**		**1200.0**			**2460.0**

FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	0.0(p)	0.0	0.0	Raised Wood, Stem Wall	19.0	1200.0	0.80	960.0
Raised	1200.0	0.96	1152.0					
Base Total:			**1152.0**	**As-Built Total:**		**1200.0**		**960.0**

INFILTRATION	Area X	BWPM	= Points		Area X	WPM	= Points
	1200.0	-0.59	-708.0		1200.0	-0.59	-708.0

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 5, Sub: Ichetucknee For, Plat: , Fort White, FL,** PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**9802.1**	**Winter As-Built Points:**					**10761.1**
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
9802.1	**0.6274**	**6149.9**	10761.1 **10761.1**	1.000 **1.00**	(1.069 x 1.169 x 0.93) **1.162**	0.432 **0.432**	0.950 **0.950**	5128.4 **5128.4**

FORM 600A-2001

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 5, Sub: Ichetucknee For, Plat: , Fort White, FL,** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank Ratio	X Multiplier	X Credit Multiplier	= Total
2		2746.00	5492.0	30.0	0.90	2		1.00	2684.98	1.00	5370.0
				As-Built Total:							**5370.0**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
6737	**6150**	**5492**	**18379**	**6949**	**5128**	**5370**	**17447**

PASS

FORM 600A-2001

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 5, Sub: Ichetucknee For, Plat: , Fort White, FL,** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

Mark Disosway, P.E.
POB 868, Lake City, FL 32056, Ph (386) 754-5419, Fax (386) 269-4871

December, 1, 2005

Building Department

Re: Permit #0511-90, Ron Preston, Lot 5 Ichetuckhee Forest Tract "B" Phase I Columbia County, FL

Dear Building Official:

Please accept this letter as addendum to the plans for the above referenced house to change all references to FBC 2001 to FBC 2004.

- The plan was drawn prior to the effective date for FBC 2004, 01 October 2005.
- Since the wind load requirements of FBC 2004 remain basically unchanged from FBC 2001 there are no structural changes required to this plan.

01 DEC 05

Mark Disosway, PE
Florida Registered Professional Engineer

CERTIFICATE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 01-6S-15-00496-005 **Building permit No.** 000023945

Use Classification SFD/UTILITY **Fire:** 0.00

Permit Holder OWNER BUILDER **Waste:** 0.00

Owner of Building RON PRESTON **Total:** 0.00

Location: 479 SW OLD SPANISH ROAD, FT. WHITE, FL

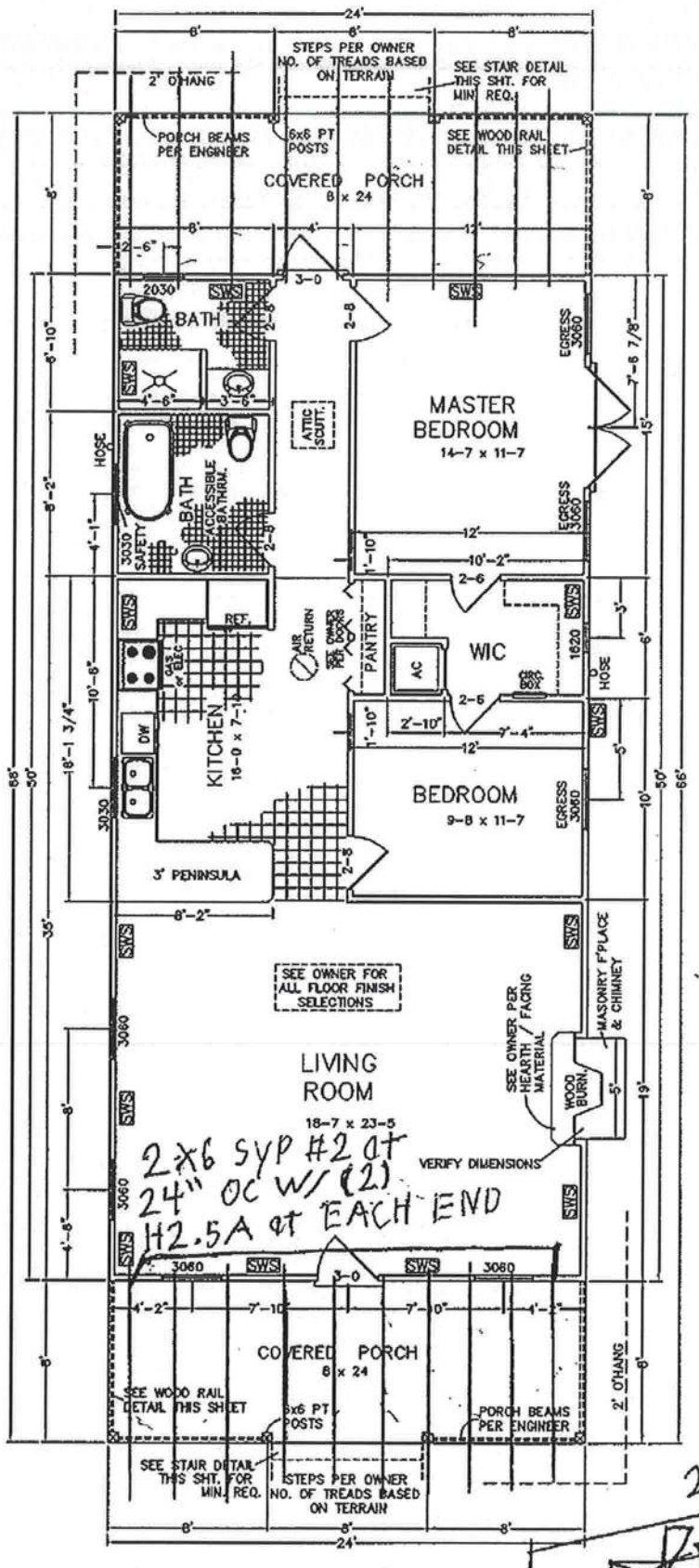
Date: 07/03/2008

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

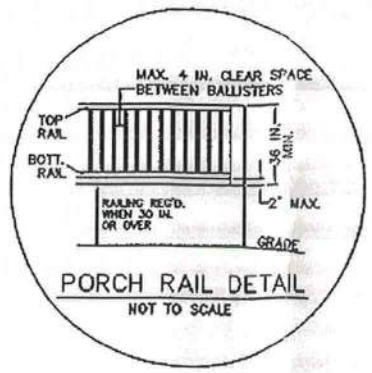
Preston Residence



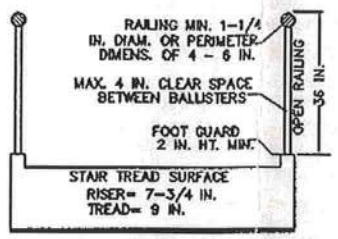
FLOOR PLAN
SCALE: 1/4 IN. = 1 FT.

Back Porch is The same.

2x6 SYP #2 at 24" OC W/ (2) H2.5A at EACH END

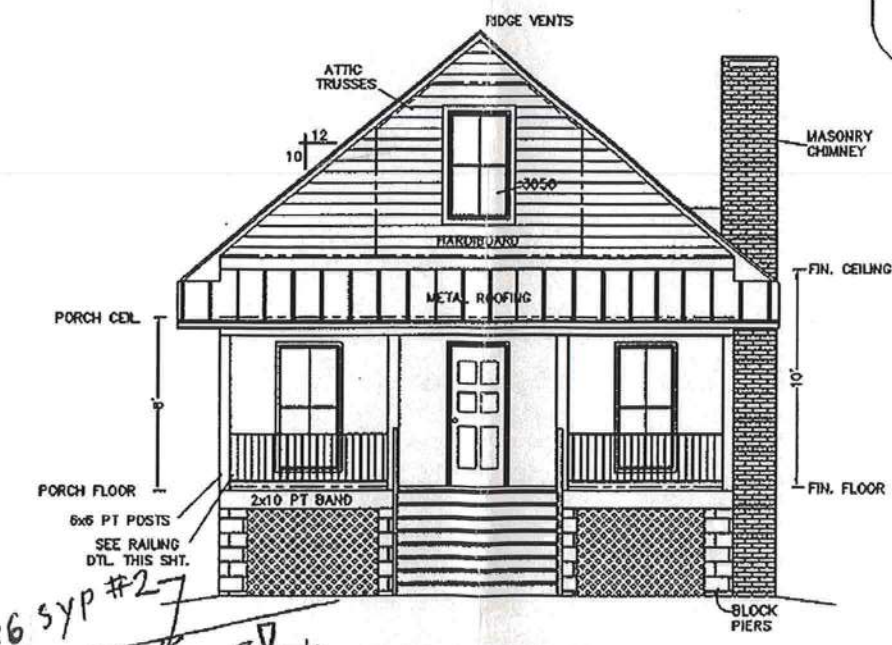


PORCH RAIL DETAIL
NOT TO SCALE



STAIR DETAIL
NOT TO SCALE

SWS = indicates a shearwall segment location referring to the labeled section of wall lying between the adjacent window / door openings in either direction. The shearwall areas have a height/width aspect ratio of 3-1/2 : 1 or wider.



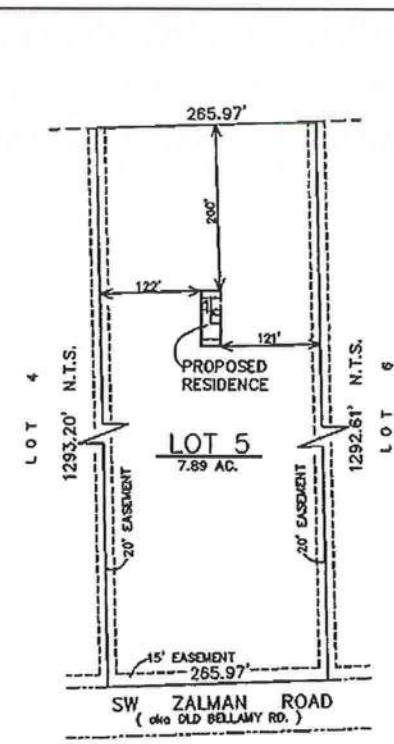
FRONT ELEVATION
SCALE: 1/4 IN. = 1 FT.

2x6 SYP #2

H2.5A

2x4 wall

Header



DESCRIPTION:

LOT 5 OF "ICHETUCKNEE FOREST TRACT "B" PHASE 1", A SUBDIVISION RECORDED IN THE PUBLIC REDORDS OF COLUMBIA CO., FLORIDA. TAX PARCEL I.D. 01-6S-15-00496-005. CONTAINING 7.89 ACRES.

NOTES:

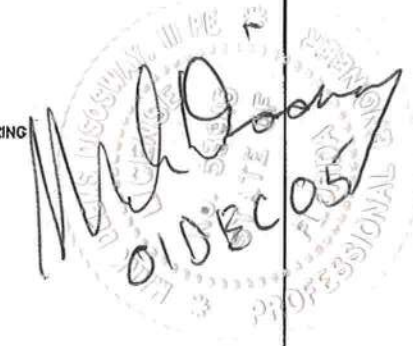
1.) LOT DIMENSIONS PER PLAT OF SUBDIVISION FROM OWNER.

2.) HOUSE LOCATION PER OWNER.

3.) THE BUILDER SHALL VERIFY ALL APPLICABLE SETBACKS, REGULATIONS AND DEED RESTRICTIONS.

SITE PLAN
SCALE: 1 IN. = 100 FT.

Index to Sheets



01DEC05

A-1

WINDLOAD ENGINEER: Mark Disaway, PE No.53915, POB 868, Lake City, FL 32056, 386-754-5419

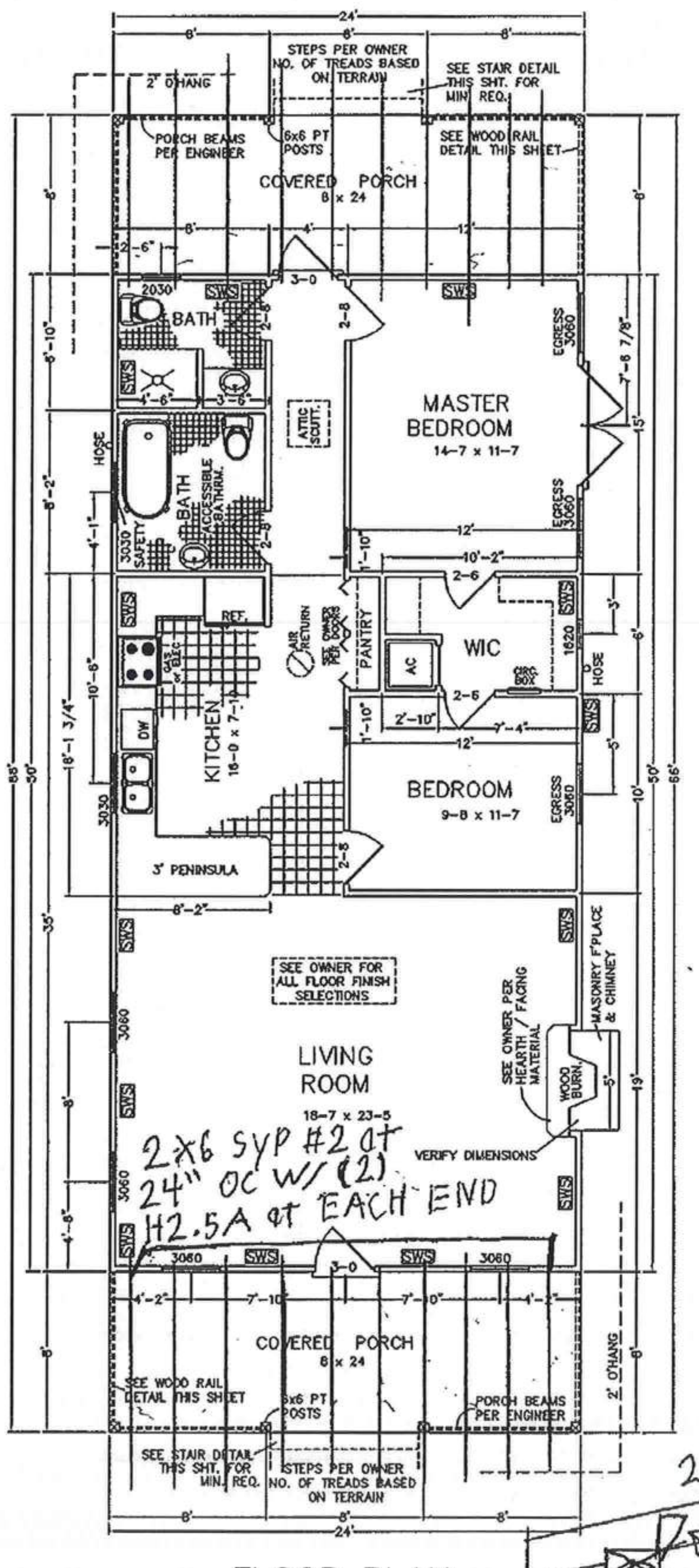
CERTIFICATION: These plans and "Windload Engineering", Sheet S-1, attached, comply with Florida Building Code 2001, Section 1606 wind loads, to the best of my knowledge.

LIMITATION: This design is valid for one building, at specified location, permitted within 90 days of signature date. In case of conflict, structural requirements, scope of work, and builder responsibilities on sheet S-1 control.

LOT 5 "ICHETUCKNEE FOREST
Location: TRACT "B" PHASE 1. Job No.:

FILE: 05-035	PRESTON RESIDENCE	SHEET: 1 OF 4
DATE: 7-1-05		CAD FILE: 05035
DRAWN: T A D	PREPARED BY: TIM DELBENE Drafting & Technical Services	REV:
CHECK: T A D	192 SW Sagewood Gln., Lake City, FL 32024 Phone (386) 755-5891	REV:

Preston Residence



FLOOR PLAN
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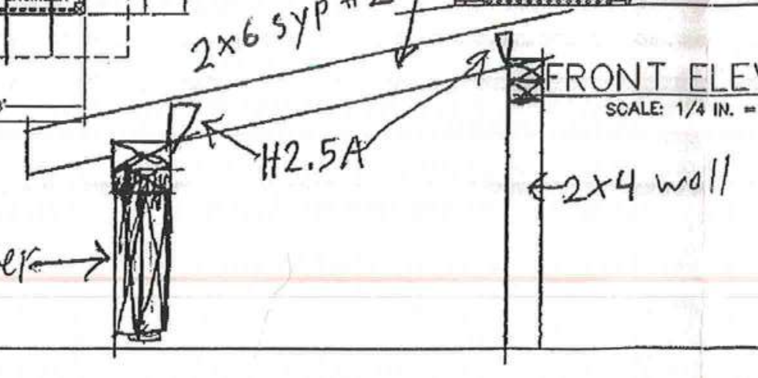

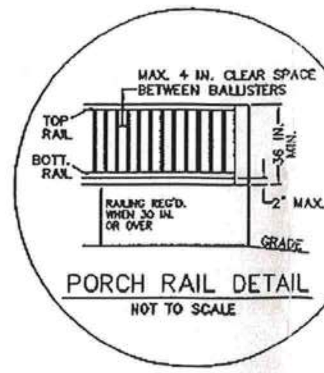

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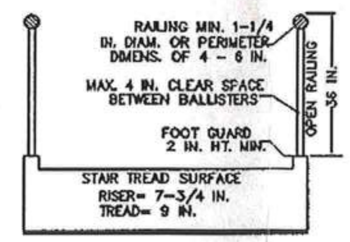

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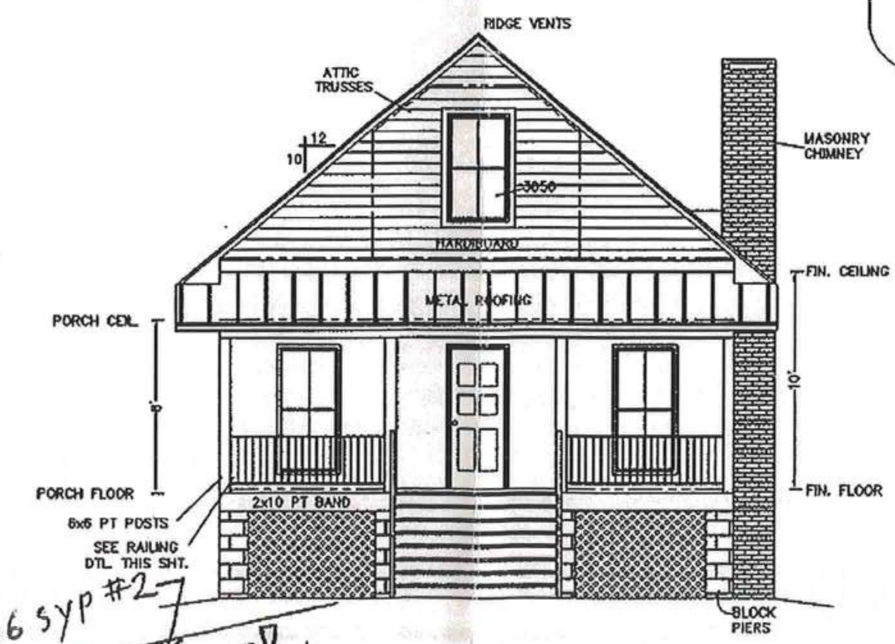

FRONT ELEVATION
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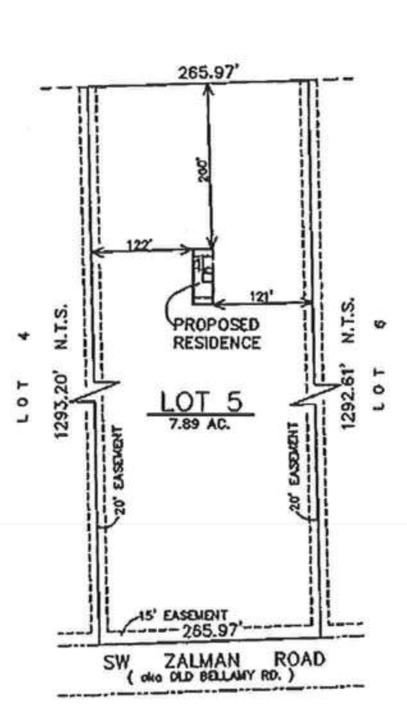

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Mark Disosway 01DEC05

A-1

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