

DATE 04/20/2006

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000024409

APPLICANT GARY W. THOMPSON PHONE 386.935.2118

ADDRESS 3554 256TH STREET O'BRIEN FL 32071

OWNER RONALD & LAUREL BIRD PHONE 305.251.9658

ADDRESS 14221 SW TUSTENUGGEE AVENUE FT. WHITE FL 32038

CONTRACTOR GARY W. THOMPSON PHONE 386.935.2118

LOCATION OF PROPERTY TUSTENUGGEE ROAD SOUTH, 200 YARDS BEFORE C-18 ON LEFT, GO THROUGH GATE.

TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 136400.00

HEATED FLOOR AREA 2728.00 TOTAL AREA 5412.00 HEIGHT 24.00 STORIES 1

FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

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. 0 FLOOD ZONE XPP DEVELOPMENT PERMIT NO. _____

PARCEL ID 30-6S-17-09813-015 SUBDIVISION CARTER UNREC.

LOT 8 BLOCK _____ PHASE _____ UNIT 0 TOTAL ACRES 13.61

CRC046869

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

EXISTING 06-0275-N BK JH Y _____

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

COMMENTS: FLOOR ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash 10750

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ Foundation _____ Monolithic _____

_____ date/app. by _____ date/app. by _____ date/app. by

Under slab rough-in plumbing _____ Slab _____ Sheathing/Nailing _____

_____ date/app. by _____ date/app. by _____ date/app. by

Framing _____ Rough-in plumbing above slab and below wood floor _____

_____ date/app. by _____ date/app. by _____ date/app. by

Electrical rough-in _____ Heat & Air Duct _____ Peri. beam (Lintel) _____

_____ date/app. by _____ date/app. by _____ date/app. by

Permanent power _____ C.O. Final _____ Culvert _____

_____ date/app. by _____ date/app. by _____ date/app. by

M/H tie downs, blocking, electricity and plumbing _____ Pool _____

_____ date/app. by _____ date/app. by _____ date/app. by

Reconnection _____ Pump pole _____ Utility Pole _____

_____ date/app. by _____ date/app. by _____ date/app. by

M/H Pole _____ Travel Trailer _____ Re-roof _____

_____ date/app. by _____ date/app. by _____ date/app. by

BUILDING PERMIT FEE \$ 685.00 CERTIFICATION FEE \$ 27.06 SURCHARGE FEE \$ 27.06

MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$ _____

FLOOD DEVELOPMENT FEE \$ _____ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ _____ TOTAL FEE 814.12

INSPECTORS OFFICE L.H. CLERKS OFFICE CH

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Columbia County Building Permit Application

Revised 9-23-04

Use Only Application # 0604-14 Date Received 4/5/06 By G Permit # 24409
 Application Approved by - Zoning Official BLK Date 19.04.06 Plans Examiner OKJTH Date 4-19-06
 Flood Zone X EWPY Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
 Comments _____

Applicants Name GARY W THOMPSON Phone 386-935-2118
 Address 3554 256th ST. O'BRIEN, FL 32071
 Owners Name RONALD & LAUREL BIRD Phone 386-497-3879
 911 Address 14221 SW TUSTENUGGEE RD FT. WHITE, FL.
 Contractors Name GARY W. THOMPSON Phone 386-935-2118
 Address 3554 256th ST. O'BRIEN, FL 32071
 Fee Simple Owner Name & Address RONALD & LAUREL BIRD 14221 TUSTENUGGEE RD FT WHITE, FL.
 Bonding Co. Name & Address _____
 Architect/Engineer Name & Address CURTIS KEEN 9263 CR 417 LNE OAK, FL 32060
 Mortgage Lenders Name & Address _____

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number 30-65-17-09813-015 Estimated Cost of Construction \$398,000.00
 Subdivision Name N/A Lot _____ Block _____ Unit _____ Phase _____
 Driving Directions TUSTENUGGEE RD. SOUTH. SITE LOCATED 200 yds NORTH OF CR 18 ON LEFT.

Type of Construction NEW / SINGLE FAMILY Number of Existing Dwellings on Property 1
 Total Acreage 13.61 Lot Size _____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 185' Side 530 Side 115 Rear 440
 Total Building Height 35'6" Number of Stories 1 Heated Floor Area 2728 Roof Pitch 6/12 + 3/12
PORCHES 1484 24'-0" GARAGE CARPORT 1200 TOTAL 5412

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

Owner Builder or Agent (Including Contractor) _____

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
 this 5th day of MARCH 20 06.
 Personally known ✓ or Produced Identification _____



Contractor Signature _____
 Contractors License Number CRCO 46869
 Competency Card Number _____
 NOTARY STAMP/SEAL
 Notary Signature _____



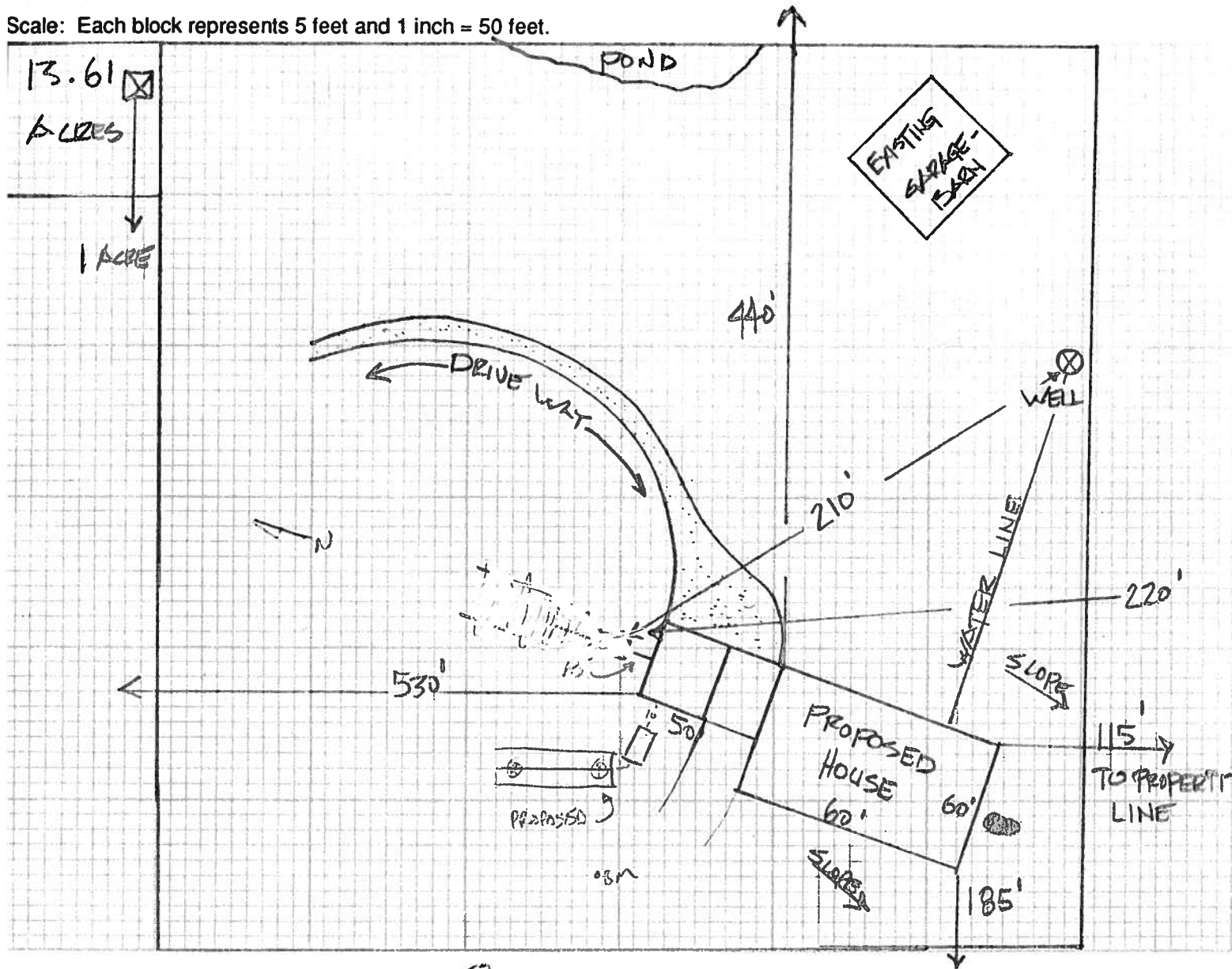
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 06-0275N

PART II - SITE PLAN

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



Notes:

(REVISED)

3/21/06

Site Plan submitted by:

Signature

AGENT
Title

Plan Approved

Not Approved

Date 3/21/06

by

Columbia CHD

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

FORM 600B-04	FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION Residential Component Prescriptive Method B	NORTH 1 2 3
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Compliance with Method B of Subchapter 6 of the Florida Energy Efficiency Code may be demonstrated by the use of Form 600B for single and multiple-family residences of three stories or less in height, and additions to existing residential buildings. To comply, a building must meet or exceed all of the energy efficiency prescriptives in any one of the prescriptive component packages and comply with the prescriptives listed in this form. An alternative method is provided for additions of 600 square feet or less by use of Form 600C. If a building does not comply with this method, it may still comply under other sections in Chapter 6 of the code.

PROJECT NAME: AND ADDRESS:	BUILDER: Gary Thompson PERMITTING OFFICE: Columbia County	CLIMATE ZONE: 1 ☐ 2 ☒ 3 ☐ PERMIT NO.: 24409 JURISDICTION NO.: 221000
OWNER: RONALD & LAUREL BIRD		

1. New construction including additions which incorporate any of the following features cannot comply using this method: steel stud walls, single assembly roof/ceiling construction, or skylights or other nonvertical roof glass.
2. Choose one of the component packages "A" through "E" from Table 6B-1 by which you intend to comply with the code. Circle the column of the package you have chosen.
3. Fill in all the applicable spaces of the "To Be Installed" column on Table 6B-1 with the information requested. All "To Be Installed" values must be equal to or more efficient than the required levels.
4. Complete page 1 based on the "To Be Installed" column information.
5. Read "Minimum Requirements for All Packages," Table 6B-2 and check each box to indicate your intent to comply with all applicable items.
6. Read, sign and date the "Prepared By" certification statement at the bottom of page 1. The owner or owner's agent must also sign and date the form.

Please Print

CK

1. Compliance package chosen (A-E)
2. New construction or addition
3. Single-family detached or multiple-family attached
4. If multiple-family—No. of units covered by this submission
5. Is this a worst case? (yes/no)
6. Conditioned floor area (sq. ft.)
7. Predominant eave overhang (ft.)
8. Glass type and area:
 - a. Clear glass
 - b. Tint, film or solar screen
9. Percentage of glass to floor area
10. Floor type, area or perimeter, and insulation:
 - a. Slab-on-grade (R-value)
 - b. Wood, raised (R-value)
 - c. Wood, common (R-value)
 - d. Concrete, raised (R-value)
 - e. Concrete, common (R-value)
11. Wall type, area and insulation:
 - a. Exterior:
 1. Masonry (Insulation R-value)
 2. Wood frame (Insulation R-value)
 - b. Adjacent:
 1. Masonry (Insulation R-value)
 2. Wood frame (Insulation R-value)
12. Ceiling type, area and insulation:
 - a. Under attic (Insulation R-value)
 - b. Single assembly (Insulation R-value)
13. Air distribution system: Duct insulation, location
Test report (attach if required)
14. Cooling system:
(Types: central, room unit, package terminal A.C., gas, none)
15. Heating system:
(Types: heat pump, elec. strip, nat. gas, LP-Gas, gas h.p., room or PTAC, none)
16. Hot water system:
(Types: elec., nat. gas, LP-gas, solar, heat rec., ded. heat pump, other, none)

1.	NEW								
2.	5F								
3.	N/A								
4.									
5.	410								
6.	2728								
7.	1.33								
	Single Pane	Double Pane							
8a.	—	sq. ft.	204.5	sq. ft.					
8b.	—	sq. ft.	—	sq. ft.					
9.	7.5	%							
10a.	R = 0	212	lin. ft.						
10b.	R = —	—	sq. ft.						
10c.	R = —	—	sq. ft.						
10d.	R = —	—	sq. ft.						
10e.	R = —	—	sq. ft.						
11a-1	R = —	—	sq. ft.						
11a-2	R = 11	1676	sq. ft.						
11b-1	R = —	—	sq. ft.						
11b-2	R = —	—	sq. ft.						
12a.	R = 30	2728	sq. ft.						
12b.	R = —	—	sq. ft.						
13.	R = 6	ATTIC							
14a.	Type:	CENTRAL(2)							
14b.	SEER/EER:	12.6							
14c.	Capacity:	30,800							
15a.	Type:	HEAT PUMP							
15b.	HSPF/201AFUE:	8.05							
15c.	Capacity:	33,600							
16a.	Type:	LP GAS							
16b.	EF:	0.59							

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

PREPARED BY: Curtis Keen DATE: 3/1/06

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

OWNER AGENT: Ronald W. Bird DATE: 3/1/06

Review of 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 in accordance with Section 553.908, F.S.

BUILDING OFFICIAL:

DATE:

APPENDIX 13-D

TABLE 6B-1

MINIMUM REQUIREMENTS

Climate Zones 1 2 3

COMPONENTS		PACKAGES FOR NEW CONSTRUCTION					TO BE INSTALLED	
GLASS	Max. % of Glass to Floor Area	15%	15%	20%	20%	25%	DC: ☒	DT: ☐
	Type	Double Clear (DC)	Double Clear (DC)	Double Clear (DC)	Double Clear (DC)	Double Tint (DT)	1.32 FEET	
	Overhang	1'4"	2'	2'	2'	2'		
WALLS	Masonry	EXTERIOR AND ADJACENT MASONRY WALLS R-5 COMMON MASONRY WALLS R-3 EACH SIDE.					EXT: R = <u>X</u>	
	Wood Frame	EXTERIOR, ADJACENT, AND COMMON WOOD-FRAME WALLS R-11					ADJ: R = <u>11</u>	
CEILINGS		R-30	R-30	R-30	R-30	R-30	COM: R = <u>=</u>	
		(NO SINGLE ASSEMBLY CEILINGS ALLOWED)					UNDER ATTIC: R = <u>30</u>	
FLOORS	Slab-On-Grade	R-0					COMMON: R = <u>0</u>	
	Raised Wood	R-19 (ONLY STEM WALL CONSTRUCTION ALLOWED EXCEPT PACKAGE C)					R = <u>=</u>	
	Raised Concrete	R-7					R = <u>=</u>	
DUCTS		R-6	R-6	R-6, TESTED	R-6	R-6, TESTED	R = <u>=</u>	
SPACE COOLING (SEER)		12.0	10.5	12.0	11.0	12.0	R = <u>6</u> COND. ☐	
HEAT	Elect. (HSPF)	7.9	7.1	7.4	7.4	7.4	SEER = <u>12.6</u>	
	Gas/Oil (AFUE)	MINIMUM OF .73 (Direct heating) or .78 (Central)					HSPF = <u>8.05</u>	
HOT WATER SYSTEM	Electric Resistance**	EF .92	NOT ALLOWED (SEE BELOW)	EF .92	NOT ALLOWED (SEE BELOW)	EF .92	AFUE = <u>=</u>	
	Gas & Oil**	MINIMUM EF OF .59				NATURAL GAS ONLY (SEE BELOW)	EF = <u>0.59</u>	
	Other	Any of the following are allowed: dedicated heat pump, heat recovery unit or solar system.					DHP: ☐ EF = <u>=</u> HRU: ☐ EF = <u>=</u> SOLAR: ☐ EF = <u>=</u>	

* Single package units minimum SEER=9.7, HSPF = 6.6.

** Minimum efficiencies for gas and electric hot water systems apply to 40 gallon water heaters. Refer to Table 612.1 ABC.3.2 for minimum code efficiencies for oil water heaters and other sizes.

DESCRIPTION OF BUILDING COMPONENTS LISTED

Percent of Glass to Floor Area: This percentage is calculated by dividing the total of all glass areas by the total conditioned floor area.

Overhang: The overhang is the distance the roof or soffit projects out horizontally from the face of the glass. All glass areas shall be under an overhang of at least the prescribed length with the following exceptions: 1) glass on the gabled ends of a house and 2) the glass in the lower stories of a multistory house.

Wall, Ceiling and Floor Insulation Values: The R-values indicated represent the minimum acceptable insulation level added to the structural components of the wall, ceiling or floor. The R-value of the structural building materials shall not be included in this calculation. "Common" components are those separating conditioned tenancies in a multiple-family building. "Adjacent" components separate conditioned space from unconditioned but enclosed space. "Exterior" components separate conditioned space from unconditioned and unenclosed space.

Floor: Slab-on-grade floors without edge insulation are acceptable. Raised wood floors shall have continuous stem walls with insulation placed on the stem wall or under the floor except Package C.

Ducts: "TESTED" shall mean the ducts have less than 5% leakage based on a certified test report by a state-approved tester.

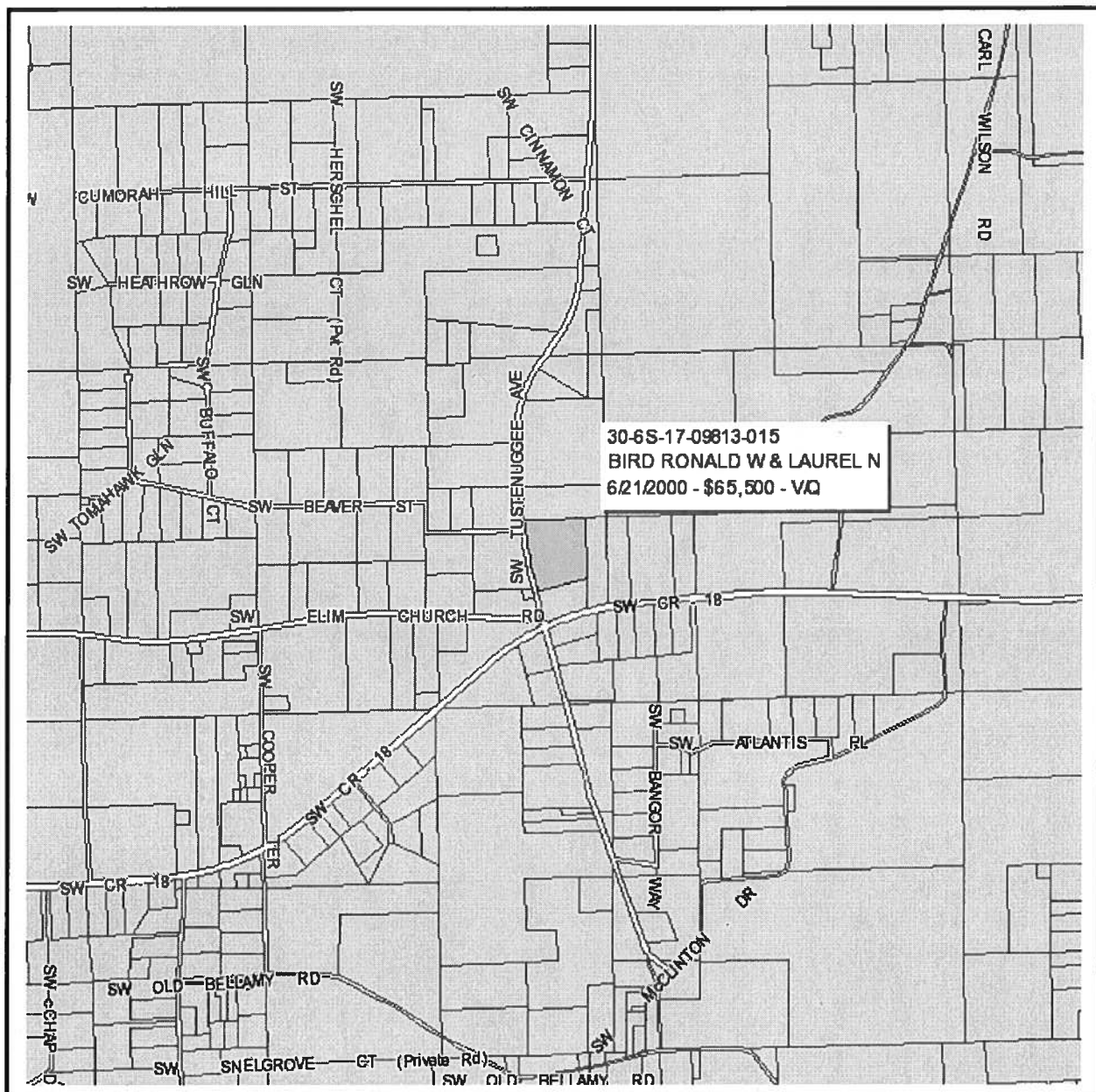
Space Cooling System: Cooling systems shall have a Seasonal Energy Efficiency Ratio (SEER) for central units or Energy Efficiency Ratio (EER) for room units or PTACs equal to or greater than the prescribed value.

Electric Space Heating Option: Heat pump systems shall be rated with a Heating Seasonal Performance Factor (HSPF) equal to or greater than the prescribed HSPF. Heat pump systems may contain electric strip backups meeting the criteria of Section 608.1 ABC.3.2.1.2. No electric resistance space heat is allowed for these packages.

Electric Resistance Hot Water Option: For packages designated "Not Allowed," an electric resistance hot water system may be installed only in conjunction with one of the "Other Hot Water System Options." See below.

Other Hot Water System Options: Any dedicated heat pump, heat recovery unit, or solar hot water system may be installed. Solar systems must have an EF of 1.5 or higher. Electric resistance systems having an EF of .92 or greater, or natural gas systems with EF .59 or greater may be used in conjunction with these systems.

TABLE 6B-2 MINIMUM REQUIREMENTS FOR ALL PACKAGES			
COMPONENTS	SECTION	REQUIREMENTS	CHECK
Exterior Joints & Cracks	606.1	To be caulked, gasketed, weather-stripped or otherwise sealed.	☒
Exterior Windows & Doors	606.1	Max .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	☒
Sole & Top Plates	606.1	Sole plates and penetrations through top plates of exterior walls must be sealed.	☒
Recessed Lighting	606.1	Type IC rated with no penetrations (two alternatives allowed).	☒
Multistory Houses	606.1	Air barrier on perimeter of floor cavity between floors.	☒
Exhaust Fans	606.1	Exhaust fans vented to unconditioned space shall have dampers, except for combustion devices with integral exhaust ductwork.	☒
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1 ABC.3.2. Switch or clearly marked circuit breaker electric or cutoff (gas) must be provided. External or built-in heat trap required for vertical pipe risers.	☒
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Noncommercial pools must have a pump timer. Gas spa & pool heaters must have minimum thermal efficiency of 78%.	☒
Hot Water Pipes	612.1	Insulation is required for hot water circulating systems (including heat recovery units).	☒
Shower Heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 psig.	☒
HVAC Duct Construction, Insulation & Installation	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 610.1. Ducts in attics must be insulated to a minimum of R-6.	☒
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	☒



Columbia County Property Appraiser

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

PARCEL: 30-6S-17-09813-015 HX - SINGLE FAM (000100)

THAT PART OF NE1/4 OF SE1/4 LYING E OF CR-131, EX THE EAST 331.99 FT & EX THE N 83.57 FT

Name:	BIRD RONALD W & LAUREL N	LandVal	\$81,600.00
Site:		BldgVal	\$50,931.00
Mail:	14221 SW TUSTENUGEE AVE	ApprVal	\$132,731.00
	FT WHITE, FL 32038	JustVal	\$132,731.00
Sales	6/21/2000 \$65,500.00V / Q	Assd	\$132,731.00
Info	2/16/1999 \$47,000.00V / Q	Exmpt	\$25,000.00
	10/18/1996 \$100.00V / U	Taxable	\$107,731.00

0 0.2 0.4 0.6 mi



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

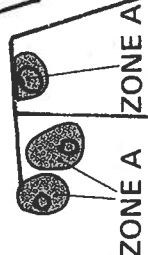
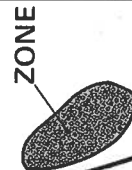
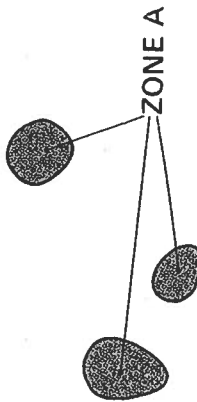
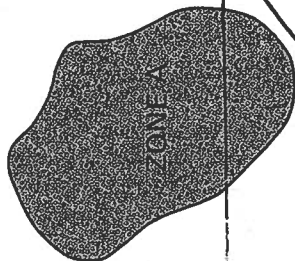


APPROXIMATE SCALE IN FEET



ROAD 30

R 16 E
R 17 E



BEI

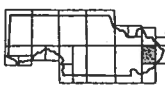
NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

COLUMBIA
COUNTY,
FLORIDA
(UNINCORPORATED AREAS)

PANEL 260 OF 290

PANEL LOCATION



COMMUNITY-PANEL NUMBER
120070 0260 B
EFFECTIVE DATE:
JANUARY 6, 1988



Federal Emergency Management Agency

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

JUN. 22. 2006 11:36AM FIRST AM TITLE HIGH SPRINGS

This Warranty Deed

Made this 21st day of June A.D. 2000
by John P. Nowlan and Joanna B. Nowlan,
husband and wife

hereinafter called the grantor, to
Ronald W. Bird and Laurel N. Bird,
husband and wife

whose post office address is: 17101 SW 180 Avenue
Miami, Florida 33157

hereinafter called the grantee:

(Whomever and both the word "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations)

Witnesseth, that the grantor, for and in consideration of the sum of \$ 10.00
and other valuable considerations, receipt whereof is hereby acknowledged, hereby grant, bargain, sell, allow, convey,
release, convey and confirm unto the grantee, all that certain land situate in COLUMBIA
County, Florida, viz:

See Schedule A attached hereto and by this reference made a part
hereof.

SUBJECT TO: taxes for the year 2000 and all subsequent years,
easements restrictions of record and applicable zoning laws.

PK 0905 052152

Parcel Identification Number: Deed # 10-66-17-09813-015

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

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

And the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple;
that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants
the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is
free of all encumbrances except taxes accruing subsequent to December 31, 1999.

In Witness Whereof, the said grantor has signed and sealed these presents the day and year first above
written.

Signed, sealed and delivered in our presence:

John P. Nowlan
Witness as to John P. Nowlan
Joanna B. Nowlan
Witness as to Joanna B. Nowlan
Charlotte C. Dixon
Witness as to John P. Nowlan
Charlotte C. Dixon
Witness as to Joanna B. Nowlan
Witness as to Charlotte C. Dixon
State of New York
County of Otsego

John P. Nowlan LS
JOHN P. NOWLAN Pt. White, FL 32038
Joanna B. Nowlan LS
JOANNA B. NOWLAN Pt. White, FL 32038
Charlotte C. Dixon LS
CHARLOTTE C. DIXON
Charlotte C. Dixon LS
CHARLOTTE C. DIXON

The foregoing instrument was acknowledged before me this 21st day of June, 2000, by

John P. Nowlan

who is personally known to me or who has produced valid driver's license as identification.

Margaret M. Price
Margaret M. Price
Notary Public, State of New York
My Commission Expires: 01/01/2007

PREPARED BY: Charlotte C. Dixon
RECORD & RETURN TO:
Alachua County Abstract Company
1025-30 N. Main Street
High Springs, Florida 32643-0923
File No: 000571

Documentary Stamp \$450.50
Intangible Tax
P. Official Court
Clerk of Court
By: John P. Nowlan J.C.

Return to:
ACACRC File # (0087)
215 SE 2 Ave
Gainesville, FL 32601

FILED AND RECORDED IN PUBLIC
RECORDS OF COLUMBIA COUNTY, FL.

00 JUN 10 AM 11:17

RECORDED

mk

Attn:

Gary
Thompson

BK 0905 PG 2154

Schedule A

OFFICIAL RECORDS

That part of the Northeast 1/4 of the Southeast 1/4, Section 30, Township 5 South, Range 17 East, lying East of State Road No. 131 and North of State Road No. 18, LESS and EXCEPT the East 331.99 feet thereof, and LESS and EXCEPT the North 83.57 feet thereof. ALSO: That part of the South 1/2 of South 1/2 of Section 30 as lies East of State Road No. 131 and North of State Road No. 18, Columbia County, Florida. Subject to Power Line Easements in visible use and existence. Also known as: Lot 8, Carter Subdivision, unrecorded.

ALSO, LESS and EXCEPT:

Commence at the Northeast corner of the Southeast 1/4 of Section 30, Township 5 South, Range 17 East, Columbia County, Florida; thence South 89 deg. 56 min. 29 sec. West along the North line of said Southeast 1/4 a distance of 331.99 feet to a point on the West line of the East 331.99 feet of the Northeast 1/4 of the said Southeast 1/4; thence South 00 deg. 31 min. 37 sec. East, along said West line, 763.90 feet to the Point of Beginning; thence continue South 00 deg. 31 min. 37 sec. East, along said West line 457.74 feet to a point on the North line of County Road No. 18, said point being on the arc of a curve concave to the south and having a radius of 3869.83 feet and a central angle of 08 deg. 37 min. 33 sec.; thence Southwesterly along the arc of said curve an arc distance of 582.60 feet to the point of tangency of said curve; thence along the arc of a curve concave to the Northeast, having a radius of 80.00 feet and a central angle of 98 deg. 28 min. 07 sec., an arc distance of 85.93 feet to its point of tangency with the Easterly line of County Road 131; thence North 13 deg. 44 min. 32 sec. West, along said Easterly line a distance of 434.62 feet to a point of transition in said Easterly line; thence North 76 deg. 15 min. 28 sec. East, 7.00 feet; thence North 13 deg. 44 min. 32 sec. West along said Easterly line, 88.16 feet; thence North 82 deg. 48 min. 22 sec. East, 740.43 feet to the Point of Beginning.

File No: 000571

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

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

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

Tax Parcel ID Number S30-065-217E-09813-015

PERMIT NUMBER _____

1. Description of property: (legal description of the property and street address or 911 address)

14221 TUSTENUGGEE, FT. WHITE, FL.
S-30-TWP 065-217E COLUMBIA CO.

2. General description of improvement: SINGLE FAMILY NEW CONSTRUCTION

3. Owner Name & Address RONALD & LAUREL BIRD - 14221 TUSTENUGGEE
FT. WHITE, FL. 32038 Interest in Property FEE SIMPLE

4. Name & Address of Fee Simple Owner (if other than owner): _____

5. Contractor Name GARY W. THOMPSON Phone Number 386-935-2118
Address 3554 256th ST. O'BRIEN, FL. 32071

6. Surety Holders Name N/A Phone Number _____
Address _____

Amount of Bond _____ Inst: 2006008330 Date: 04/05/2006 Time: 14:16
DC, P. DeWitt Cason, Columbia County B: 1079 P: 1871

7. Lender Name N/A
Address _____

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

Name _____ Phone Number _____
Address _____

9. In addition to himself/herself the owner designates _____ of _____
to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -
(a) 7. Phone Number of the designee _____

10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording,
(Unless a different date is specified) _____

NOTICE AS PER CHAPTER 713, Florida Statutes:

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

Ronald W. Bird
Laurel N. Bird
LAUREL N. BIRD
Signature of Owner

Sworn to (or affirmed) and subscribed before
day of 16 of March, 2006

NOTARY SEAL
JANE E. MAC MANUS
MY COMMISSION # DD 335279
EXPIRES: July 7, 2008
Bonded Thru Notary Public Underwriters

Jane E. MacManus
Signature of Notary

COLUMBIA COUNTY 9-1-1 ADDRESSING

263 NW Lake City Ave. • P. O. Box 1787 • Lake City, FL 32056-1787
 PHONE: (386) 752-8787 • FAX: (386) 758-1365 • Email: ron_croft@columbiacountyfla.com

Attn:
 Gary
 Thompson

The Columbia County Board of County Commissioners has passed Ordinance 2001-9, which provides for a uniform numbering system. A copy of this ordinance is available in the Clerk of Court records, located in the courthouse. This new numbering system will increase the efficiency of POLICE, FIRE AND EMERGENCY MEDICAL vehicles responding to calls within Columbia County by immediately identifying the location of the caller.

Your Existing Address

Unknown

Your New Address

14221 SW Tustenuggee Ave
 Fort White, FL 32038

All residences, businesses, industries, schools, churches, organizations and public buildings are covered by this system. You are required to affix your new address numbers permanently on your house or the principal building where they can be seen easily. Also, if your house or the principal building at this address is not clearly visible from the public or private roadway, you are required to erect a post at your driveway entrance. Place your new number on it facing the road so emergency response personnel coming in either direction can easily see the numbers. To help emergency responding personnel, it will be the responsibility of each property owner, trustee, leasee, agent and occupant of each residence, apartment building, business or industry to purchase, post and maintain address numbers. The address number for residences, townhouses and in town businesses shall be made up of numbers, *which are not less than three (3) inches in height and one and one half (1 1/2) inches in width.* All industrial and commercial structures located in low density development areas (areas in which small residential style address numbers are not visible from the road) shall display address numbers not less than ten (10) inches in height. All Apartment buildings and high rises shall display address numbers above or to the side of the primary entrance to the building and shall be displayed not less than six (6) inches in height. Apartment numbers for individual units within the complex shall be displayed on, above or to the side of the doorway of each unit.

All numbers shall contrast in color with the background on which affixed, and shall be visible day or night from the street. When possible, the number shall be displayed beside or over the main entrances of the structure. Any old address numbers shall be removed from the structure, mail box or access point.

It is your responsibility to advise all persons and businesses, with which you correspond, of your change of address (unless you receive your mail in a Post Office Box). Your mail will be delivered to your old rural route box number address for a period of one (1) year.

We are counting on the cooperation of all citizens to help make the Enhanced 9-1-1 Emergency Telephone System a success. If you have any questions please call (386) 752-8787 between 8:00 AM and 5:00 PM Monday through Friday.

KEEN ENGINEERING & SURVEYING, INC.
9263 COUNTY ROAD 417
LIVE OAK, FLORIDA 32060
386/362-4787

April 19, 2006

**Joe Haltiwanger
Columbia County Building Department
P.O. Drawer 1529
Lake City, FL 32056**

RE: BIRD RESIDENCE

The plans call for 2,000 psf bearing capacity beneath the foundation. The existing foundation as called for in the plans (10" x 20" w/2 - #5 rebar) is sufficient. The total wall load per lineal foot is 1,165 pounds with a 110 MPH wind load. The foundation will support 1,667 plf at a bearing pressure of 1,000 psf.

This foundation will exceed the requirements based on 1,000 psf bearing pressure.

If additional information is required, please advise.



**Curtis E. Keen, PE #23836
Eng. Bus. #3761**

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

Reference to a building permit application Number: **0604-14**

Gary Thompson Owners Ronald & Laurel Bird 14211 SW Tustenuggee Ave.

On the date of April 6, 2006 application 0604-14 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 0604-14 when making reference to this application.

1. Please provide a copy of a signed released site plan from the Columbia County Environmental Health Department which confirms approval of the waste water disposal system.
2. Please submit a site plan which includes the following information: dimensions of lot, dimensions of building set backs and location of all other buildings on lot, well and septic tank if applicable, and all utility easements.
3. The structural design by Mr. Curtis Keen requires that the soil conditions have a load bearing capacity of 2,000 PSF. Therefore please follow the prescribed testing methods to reveal the soil load bearing capacities. Please have a registered professional conduct subsurface explorations at the project site upon which foundations are to be constructed, a sufficient number (not less than four, one boring on each corner of the building foundation) borings shall be made to a depth

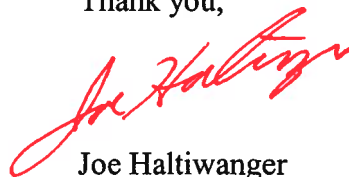
of not less than 10 feet (3048 mm) below the level of the foundations to provide assurance of the soundness of the foundation bed and its load-bearing capacity.

4. Please show compliance with the FRC-2004 sections R309 Garage: R309.1

Other openings between the carport and residence shall be equipped with solid wood doors not less than 1 3/8 inches (35 mm) in thickness, solid or honeycomb core steel doors not less than 1 3/8 inches (35 mm) thick, or 20-minute fire-rated doors. Section R309.2 of the FRC-2004 Garages and Carports: R309.2 Separation required. The carport and garage shall be separated from the residence and its attic area by not less than 1/2-inch (12.7 mm) gypsum board applied to the carport and garage side. Where the separation is a floor-ceiling assembly, the structure supporting the separation shall also be protected by not less than 1/2-inch (12.7 mm) gypsum board or equivalent. If the carport ceiling is not protected by the method described in section R309.2 the attic area separation from the carport and the dwelling shall be protected on dwelling side of the truss by not less than 1/2-inch (12.7 mm) gypsum board to the roof decking.

5. Show on the electrical plan the location of the electrical service overcurrent protection device. This device shall be installed on the exterior of structures to serve as a disconnecting means. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground.

Thank you,



Joe Haltiwanger
Plan Examiner
Columbia County Building Department

BIRD RESIDENCE HVAC LOAD ANALYSIS

for

THOMPSON CONSTRUCTION

Prepared By:

DAVID HALL
DAVID HALL'S INC.
PO BOX 244
LAKE CITY FL. 32056
386-755-9792
3/12/06

Miscellaneous Project Data

Project File Name: THOMPSON, BIRD 06

System Input Data

—System 1—	Outdoor Dry Bulb	Outdoor Wet Bulb	Indoor Rel.Hum.	Indoor Dry Bulb	Grains Difference
Winter:	31	N/A	N/A	72	N/A
Summer:	98	83	50%	75	83

External Overhangs

No.	Projection	Offset	No.	Projection	Offset
1	3	1	6	0	0
2	5	0	7	0	0
3	4	0.5	8	0	0
4	0	0	9	0	0
5	0	0	10	0	0

Duct Sizing Inputs

	<u>Runouts</u>	<u>Main Trunk</u>
Duct Material:	Flexible Duct	Fiberglass Duct Board
Roughness Factor:	0.010000	0.003000
Pressure Drop:	0.1000 In.wg/100 Ft.	0.1000 In.wg/100 Ft.
Minimum Velocity:	450.0 Ft./Minute	650.0 Ft./Minute
Maximum Velocity:	750.0 Ft./Minute	900.0 Ft./Minute
Minimum Height:	0 Inches	0 Inches
Maximum Height:	0 Inches	0 Inches

Outside Air Data

	<u>Winter</u>	<u>Summer</u>
Infiltration:	0.900 AC/Hr	0.400 AC/Hr
Volume of Conditioned Space:	X 28590 Cu.Ft.	X 28590 Cu.Ft.
	25,731 Cu.Ft./Hr	11,436 Cu.Ft./Hr
	X 0.0167	X 0.0167
Total Building Infiltration:	428.85 CFM	190.6 CFM
Total Building Ventilation:	0 CFM	0 CFM
—System 1—		
Infiltration & Ventilation Sensible Gain Multiplier:	25.30 = (1.10 X 23.00 Summer Temp. Difference)	
Infiltration & Ventilation Latent Gain Multiplier:	56.64 = (0.68 X 83.30 Grains Difference)	
Infiltration & Ventilation Sensible Loss Multiplier:	45.10 = (1.10 X 41.00 Winter Temp. Difference)	

Total Building Summary Loads

Component Description	Area Quan	Sen. Loss	Lat. Gain	Sen. Gain	Total Gain
3C Window Double Pane Clear Glass Metal Frame	220	6,541	0	7,865	7,865
9D French Door Single Low e Wood Frame	84	2,666	0	2,032	2,032
10D Door Wood Solid Core	21	396	0	257	257
12C Wall R-11 + 1/2" Gypsum(R-0.5)	1,818	6,711	0	4,352	4,352
16G Ceiling R-30 Insulation	2,728	3,693	0	4,230	4,230
22A Slab on Grade No Edge Insulation	218	7,239	0	0	0
Subtotals for structure:	5,089	27,246	0	18,736	18,736
Active People:	6	0	1,380	1,800	3,180
Inactive People:	0	0	0	0	0
Appliances:	0	0	2,200	2,200	4,400
Lighting:	0	0		4,774	
Ductwork:	0	2,330	0	3,234	3,234
Infiltration: Winter CFM: 428.8, Summer CFM: 190.6	325	19,340	10,796	4,823	15,619
Ventilation: Winter CFM: 0.0, Summer CFM: 0.0	0	0	0	0	0
Sensible Gain Total:				35,567	
Temperature Swing Multiplier:				X1.00	
Building Load Totals:		48,916	14,376	35,567	49,943

Check Figures

Total Building Supply CFM:	1617	CFM per square foot:	0.593
Square feet of room area:	2,728	Square feet per ton:	523.74

Building Loads

Total heating required with outside air:	48,916 Btuh	48.916 MBH
Total sensible gain:	35,567 Btuh	71 %
Total latent gain:	14,376 Btuh	29 %
Total cooling required with outside air:	49,943 Btuh	4.162 Tons (based on sensible + latent)
		5.209 Tons (based on 77% sensible capacity)

Notes

Calculations are based on 7th edition of ACCA Manual J.
All computed results are estimates as building use and weather may vary.
Be sure to select a unit that meets both sensible and latent loads.

System #1 Summary Loads

Component Description	Area Quan	Sen. Loss	Lat. Gain	Sen. Gain	Total Gain
3C Window Double Pane Clear Glass Metal Frame	220	6,541	0	7,865	7,865
9D French Door Single Low e Wood Frame	84	2,666	0	2,032	2,032
10D Door Wood Solid Core	21	396	0	257	257
12C Wall R-11 + 1/2" Gypsum(R-0.5)	1,818	6,711	0	4,352	4,352
16G Ceiling R-30 Insulation	2,728	3,693	0	4,230	4,230
22A Slab on Grade No Edge Insulation	218	7,239	0	0	0
Subtotals for structure:	5,089	27,246	0	18,736	18,736
Active People:	6	0	1,380	1,800	3,180
Inactive People:	0	0	0	0	0
Appliances:	0	0	2,200	2,200	4,400
Lighting:	0	0		4,774	
Ductwork:	0	2,330	0	3,234	3,234
Infiltration: Winter CFM: 428.8, Summer CFM: 190.6	325	19,340	10,796	4,823	15,619
Ventilation: Winter CFM: 0.0, Summer CFM: 0.0	0	0	0	0	0
Sensible Gain Total:				35,567	
Temperature Swing Multiplier:				X1.00	
System Load Totals:		48,916	14,376	35,567	49,943

Check Figures

Supply CFM:	1,617	CFM per square foot:	0.593
Square feet of room area:	2,728	Square feet per ton:	523.74

System Loads

Total heating required with outside air:	48,916 Btuh	48.916 MBH
Total sensible gain:	35,567 Btuh	71 %
Total latent gain:	14,376 Btuh	29 %
Total cooling required with outside air:	49,943 Btuh	4.162 Tons (based on sensible + latent)
		5.209 Tons (based on 77% sensible capacity)

Notes

Calculations are based on 7th edition of ACCA Manual J.
 All computed results are estimates as building use and weather may vary.
 Be sure to select a unit that meets both sensible and latent loads.

Room Load Summary Reports

System #1 Room Load Summary

No	Room Name	Area SF	Htg Sens Btuh	Htg Nom CFM	Run Duct Size	Run Duct Vel	Clg Sens Btuh	Clg Lat Btuh	Clg Nom CFM	Zone Adj Fact	Clg Adj CFM	Air Sys CFM
---Zone 1---												
1	Master Bedroom	244	9,655	125	2-6	580	5,011	2,821	228	1.00	228	228
2	Dressing Room	166	3,229	42	1-7	545	3,203	797	146	1.00	146	146
3	Master Bath	163	4,369	57	2-5	532	2,738	864	124	1.16	145	124
4	Office	264	3,508	46	2-5	641	3,300	1,394	150	1.16	175	150
5	Corridor	78	146	2	1-3	470	508	0	23	1.00	23	23
6	Storage	124	211	3	1-3	543	586	0	27	1.00	27	27
7	Foyer	190	2,651	34	1-5	642	1,926	465	88	1.00	88	88
8	Dining Room	452	5,972	78	3-4	653	3,763	1,625	171	1.00	171	171
9	Living Room	276	4,969	65	2-5	527	3,163	1,426	144	1.00	144	144
10	Kitchen	183	1,965	26	1-7	518	3,048	1,729	139	1.00	139	139
11	Laundry	145	5,765	75	1-7	563	3,310	1,995	150	1.00	150	150
12	Pantry	87	527	7	1-3	607	656	0	30	1.00	30	30
13	Bath#2	141	824	11	1-4	431	827	0	38	1.00	38	38
14	Bedroom#2	215	5,125	67	1-8	537	3,528	1,260	160	1.17	187	160
System 1 Totals		2728	48,916	635			35,567	14,376	1,617		1,689	1,617
Main Trunk Size: 20x14 in.												

System #1 Cooling System Summary

	Cooling Tons	Sensible/Latent Split	Sensible Btuh	Latent Btuh	Total Btuh
Net Required:	4.162	71%/29%	35,567	14,376	49,943
Recommended:	5.209	77%/23%	48,128	14,376	62,504



Architectural Testing

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

Rendered to:

MI WINDOWS AND DOORS, INC

SERIES/MODEL: 420/430/440

PRODUCT TYPE: Aluminum Sliding Glass Door

Title	Summary of Results		
	Test Specimen #1	Test Specimen #2	Test Specimen #3
Rating	SGD-R25 182 x 96	SGD-R35 182 x 80	SGD-R40 144 x 96
Operating Force	17 lbf max.	17 lbf max.	N/A
Air Infiltration	0.23 cfm/ft ²	0.27 cfm/ft ²	N/A
Water Resistance Test Pressure	3.75/6.0/9.0 psf	6.0 psf	N/A
Uniform Load Deflection Test Pressure	±35.0 psf	±35.0 psf	+40.0 psf/-40.1 psf
Uniform Load Structural Test Pressure	±37.5 psf	±52.5 psf	+60.0 psf/-60.2 psf
Forced Entry Resistance	Grade 10	Grade 10	N/A

Reference should be made to ATI Report No. 52112.01-122-47 for complete test specimen description and data.

130 Derry Court
York, PA 17402-9405
phone: 717-764-7700
fax: 717-764-4129
www.archtest.com



ANSI/AAMA/NWWDA 101/LS.2-97 TEST REPORT

Rendered to:

MI WINDOWS AND DOORS, INC
P.O. Box 370
Gratz, Pennsylvania 17030-0370

Report No.: 52112.01-122-47
Revision 2: 09/14/05
Test Dates: 06/30/04
Through: 08/12/04
Report Date: 08/30/04
Expiration Date: 07/02/08

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Windows and Doors, Inc. to witness testing on three Series/Model 420/430/440, aluminum sliding glass doors at MI Windows and Doors, Inc. test facility in Elizabethtown, Pennsylvania. The samples tested successfully met the performance requirements for the following ratings: Test Specimen #1: SGD-R25 182 x 96; Test Specimen #2: SGD-R35 182 x 80; Test Specimen #3: SGD-R40 144 x 96. Test specimen description and results are reported herein.

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

Test Specimen Description:

Series/Model: 420/430/440

Product Type: Aluminum Sliding Glass Door

Test Specimen #1: SGD-R25 182 x 96 (XXO)

Overall Size: 15' 1-3/4" wide by 8' 0" high

Active Door Panel Size (2): 5' 0-1/2" wide by 7' 11" high

Fixed Door Panel Size: 5' 1" wide by 7' 11" high

Screen Size: 5' 0-3/8" wide by 7' 11" high

Overall Area: 121.2 ft²

Reinforcement: The active and fixed interlocking stile utilized a steel U-shaped reinforcement (Drawing #9917525). The fixed intermediate jamb utilized a steel reinforcement (Drawing #9917520).

130 Derry Court
York, PA 17402-9405
phone: 717-764-7700
fax: 717-764-4129
www.archtest.com

Test Specimen Description: (Continued)

Test Specimen #2: SGD-R35 182 x 80 (OXX)

Overall Size: 15' 1-3/4" wide by 6' 8" high

Active Door Panel Size (2): 5' 0-1/2" wide by 6' 7" high

Fixed Door Panel Size: 4' 8-7/8" wide by 6' 2-5/8" high

Screen Size: 5' 0-3/8" wide by 6' 7" high

Overall Area: 101 ft²

Reinforcement: No reinforcement was utilized.

Test Specimen #3: SGD-R40 144 x 96 (OXO)

Overall Size: 12' 0" wide by 8' 0" high

Active Door Panel Size: 3' 8-1/4" wide by 7' 10-1/2" high

Fixed Door Panel Size (2): 3' 8-3/4" wide by 7' 6-1/2" high

Screen Size: 3' 11-1/2" wide by 7' 11-3/8" high

Overall Area: 96 ft²

Reinforcement: The active and fixed interlocking stile utilized a steel U-shaped reinforcement (Drawing #9917525). The fixed intermediate jamb utilized a steel reinforcement (Drawing #9917520). The interlock utilized an aluminum reinforcement (Drawing #SECT4237).

The following descriptions apply to all specimens.

Finish: All aluminum was painted.

Glazing Details: All glazing consisted of a single sheet of 3/16" thick clear tempered glass that was channel glazed with a wrap around rubber gasket.

Test Specimen Description: (Continued)

Weatherstripping:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
0.187" backed by 0.270" high polypile with center fin	2 Rows	Stiles
1/2" wide by 1" long polypile dust plug	2 Pieces	Corner of head, jamb, and top and bottom of panel retainer
0.187" backed by 0.250" high polypile with center fin	2 Rows	Top rail
0.187" backed by 0.350" high polypile with center fin	2 Rows	Bottom rail
0.187" backed by 0.230" high polypile with center fin	1 Row	Panel interlock, screen stiles

Frame Construction: The frame was constructed of extruded aluminum. Corners were coped, butted, sealed, and fastened with two #8 x 5/8" screws. An aluminum panel adaptor was added to the screen adaptor and secured with #6 x 3/8" pan head screws located 3-1/2" from the ends and 14" on center through the screen adaptor into the panel adaptor. The jambs utilized a panel jamb retainer on the fixed panels secured to the jambs with two #6 x 1/2" screws through the retainer into the jambs. The panels were placed in the retainer and secured to the frame with two #8 x 1/2" screws located through the retainers into the panels. Three panel jamb retainers were utilized to secure the fixed panels, located at panel top and bottom and one midspan. The fixed panels also utilized an aluminum sill retainer clip located at the sill. The sill utilized an optional aluminum sill extender.

Door Panel Construction: The door panels were constructed of extruded aluminum members. Corners were coped, butted, and fastened with one 1/4" x 3/4" screw at the bottom and two #8 x 3/4" screws at the top.

Screen Construction: The screen was constructed of extruded aluminum members. Corners were coped, butted, and fastened with one 1/4" x 3/4" screw and one #8 x 1" screw at the bottom and one #8 x 1" screw at the top.

Test Specimen Description: (Continued)

Hardware:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Locking handle	1	44" from active panel bottom
Roller assembly	2	3" from bottom rail ends
Screen locking handle	1	46" from screen bottom rail
Screen rollers	2	Corners of bottom rail

Drainage:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Sloped sill	1	Sill
1/2" long drain off notches	6	Ends of vertical sill legs

Installation: The units were installed into a #2 Spruce-Pine-Fir wood test buck. The units were fastened to the test buck with two rows of #8 x 1-1/4" screws, 8" from each end and 23" on center. The exterior perimeter was sealed with silicone.

Test Results:

The results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
<u>Test Specimen #1: SGD-R25 182 x 96 (XXO)</u>			
2.2.1.6.1	Operating Force Breakaway force	17 lbf 24 lbf	20 lbf max. 30 lbf max.
2.1.2	Air Infiltration per ASTM E 283 1.57 psf (25 mph)	0.23 cfm/ft ²	0.3 cfm/ft ² max.
<i>Note #1: The tested specimen meets (or exceeds) the performance levels specified in ANSI/AAMA/NWDA 101/I.S.2-97 for air infiltration.</i>			
2.1.3	Water Resistance per ASTM E 547 (with and without screen) 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the meeting rail) (Loads were held for 52 seconds) 15.0 psf (positive) 15.0 psf (negative)	0.56" 0.57"	See Note #2 See Note #2
<i>Note #2: The Uniform Load Deflection test is not a requirement of ANSI/AAMA/NWDA 101/I.S.2-97 for this product designation. The deflection data is recorded in this report for special code compliance and information only.</i>			
2.1.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the meeting stile) (Loads were held for 10 seconds) 22.5 psf (positive) 22.5 psf (negative)	0.02" 0.03"	0.30" max. 0.30" max.
2.2.1.6.2	Dcglazing Test per ASTM E 987 In operating direction - 70 lbs Locking stile Interlock stile	 0.12"/24% 0.12"/24%	 0.50"/100% 0.50"/100%

Test Results: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
<u>Test Specimen #1: SGD-R25 182 x 96 (XXO) (Continued)</u>			
2.2.1.6.2	Deglazing Test per ASTM E 987 In remaining direction - 50 lbs		
	Top rail	0.06"/12%	0.50"/100%
	Bottom rail	0.06"/12%	0.50"/100%
2.1.8	Forced Entry Resistance per ASTM F 842		
	Type: A	Grade: 10	
	Lock Manipulation Test	No entry	No entry
	Test A1 through A6	No entry	No entry
	Lock Manipulation Test	No entry	No entry
<u>Optional Performance</u>			
4.3	Water Resistance per ASTM E 547 (with and without screen) 3.75 psf	No leakage	No leakage
4.3	Water Resistance per ASTM E 547 (with and without screen) (with sill riser) 6.0 psf	No leakage	No leakage
4.3	Water Resistance per ASTM E 547 (with and without screen) (with 2-5/8" Dade County sill extension) 9.0 psf	No leakage	No leakage
4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the meeting stile) (Loads were held for 10 seconds)		
	35.0 psf (positive)	2.98"	See Note #2
	35.0 psf (negative)	2.52"	See Note #2

Test Results: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
<u>Test Specimen #1: SGD-R25 182 x 96 (XXO) (Continued)</u>			
4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the meeting stile) (Loads were held for 10 seconds)		
	37.5 psf (positive)	0.20"	0.36" max.
	37.5 psf (negative)	0.19"	0.36" max.
<u>Test Specimen #2: SGD-R35 182 x 80 (OXX)</u>			
2.2.1.6.1	Operating Force	17 lbf	20 lbf max.
	Breakaway force	21 lbf	30 lbf max.
2.1.2	Air Infiltration per ASTM E 283 1.57 psf (25 mph)	0.27 cfm/ft ²	0.3 cfm/ft ² max.
<i>Note #1: The tested specimen meets (or exceed) the performance levels specified in ANSI/AAMA/NWDA 101/I.S.2-97 for air infiltration.</i>			
2.1.3	Water Resistance per ASTM E 547 (with and without screen)		
	2.86 psf	No leakage	No leakage
2.2.1.6.2	Deglazing Test per ASTM E 987 In operating direction - 70 lbs		
	Locking stile	0.12"/24%	0.50"/100%
	Interlock stile	0.12"/24%	0.50"/100%
	In remaining direction - 50 lbs		
	Top rail	0.06"/12%	0.50"/100%
	Bottom rail	0.06"/12%	0.50"/100%
2.1.8	Forced Entry Resistance per ASTM F 842		
	Type: A	Grade: 10	
	Lock Manipulation Test	No entry	No entry
	Test A1 through A6	No entry	No entry
	Lock Manipulation Test	No entry	No entry

Test Results: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
<u>Test Specimen #2: SGD-R35 182 x 80 (OXX) (Continued)</u>			
<u>Optional Performance</u>			
4.3	Water Resistance per ASTM E 547 (with and without screen) (with sill riser) 6.0 psf	No leakage	No leakage
4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the meeting stile) (Loads were held for 52 seconds) 35.0 psf (positive) 35.0 psf (negative)	1.28" 1.33"	See Note #2 See Note #2
4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the meeting stile) (Loads were held for 10 seconds) 52.5 psf (positive) 52.5 psf (negative)	0.13" 0.15"	0.30" max. 0.30" max.

Test Specimen #3: SGD-R40 144 x 96 (OXO)

Optional Performance

4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the meeting stile) (Loads were held for 52 seconds) 40.0 psf (positive) 40.1 psf (negative)	1.42" 1.28"	See Note #2 See Note #2
4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the meeting stile) (Loads were held for 10 seconds) 60.0 psf (positive) 60.2 psf (negative)	0.27" 0.30"	0.37" max. 0.37" max.

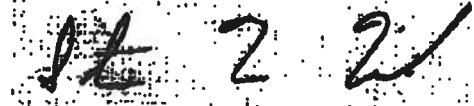
Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years from the original test date. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator. This report may not be reproduced, except in full, without approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, INC:



Digitally Signed by: Mark A. Hess

Mark A. Hess
Technician



Digitally Signed by: Steven M. Ulrich

Steven M. Ulrich, P.E.
Senior Project Engineer

MH:vlm

Revision Log

<u>Rev. #</u>	<u>Date</u>	<u>Page(s)</u>	<u>Revision(s)</u>
0	08/30/04	N/A	Original report issue
1	09/13/04	Cover page	Switch Specimens 1 and 2 / Added 430/440 to Series/Model
1	09/13/04	Page 1 and 2	Switch Specimen 1 and 2 sizes Added 430/440 to Series/Model on Page 1
1	09/13/04	Pages 4 through 7	Switch Specimen 1 and 2 test results / Specimen 2 optional performance water resistance from 3.75 psf to 6.00 psf with sill riser.
2	09/14/05	Page 2	Corrected configuration of Test Specimen #3
2	09/14/05	Page 3	Added additional Weatherstripping



DOCUMENT CONTROL ADDENDUM 02-33516.00

Current Issue Date: 11/13/01

Report No. 02-33516.01

Requested by: Darrel Booth

Purpose: Structural testing on 8500 3-wide mulled PVC single hung windows

Issue Date: 11/13/01

JORDAN COMPANY

PAGE 04/05

02-33316.01
Page 3 of 3

Test Results

<u>Title of Test -- Test Method</u>	<u>Results</u>	<u>Allowed</u>
Uniform Load Structural per ASTM E 330-97 (Permanent set measurements reported were taken on the intermediate mullion)		
@ 52.5 psf (positive)	0.05"	0.4% L = 0.286" max.
@ 52.5 psf (negative)	0.06"	0.4% L = 0.286" max.

A copy of this report will be retained by ATI for a period of four years. This report is the exclusive property of the client so named herein and is applicable to the sample tested. Results obtained are tested values and do not constitute an opinion or endorsement by this laboratory.

For ARCHITECTURAL TESTING, INC.


Paul L. Spiess
Project Manager


Daniel A. Johnson
Regional Manager

PLS/jb
02-33316.01

02-33516.01
Page 2 of 3**Test Specimen Description (Continued)****Weatherstripping:**

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
0.230" high by 0.187" backed pile with center fin	1 Row	Sash top and bottom rails
0.230" high by 0.187" backed pile with center fin	2 Rows	Sash stiles

Frame Construction: Frame corners were miter-cut and welded. Aluminum mullion reinforcement was fastened to one jamb using three #8 by 1-1/4" screws, one at midpoint and one approximately 8" to 12" from each end at the jambs. Silicone was used on the exterior only to seal between the reinforcement and the jambs. PVC mullion couplings were snap-fit onto the interior and exterior.

Sash Construction: Sash corners were miter-cut and welded. Sash meeting rail utilized aluminum reinforcement.

Hardware:

Metal cam locks with keepers	6	6" from ends on meeting rail
Plastic tilt latches	6	Sash top rail corners
Metal tilt pins	6	Sash bottom rail corners
Block-and-tackle balances	6	One per jamb

Drainage:

3/16" by 5/8" slots	6	1-3/4" from ends in sill pocket to hollow below
3/16" by 5/8" slots	6	Ends of sill through interior wall
1/8" by 1/2" slot	6	1-3/4" from ends through sill exterior face

Installation: The unit was installed into a Grade 2 SPF 2" by 6" wood test buck and secured with screws and silicone.

JORDAN COMPANY

PAGE 02/05



STRUCTURAL TEST REPORT

Rendered to:

JORDAN COMPANIES
4661 Burbank Road, Box 18377
Memphis, Tennessee 38118

Report No: 02-33516.01
Test Date: 10/04/01
Report Date: 11/13/01
Expiration Date: 10/04/05

Project Summary: Architectural Testing, Inc. (ATT) was contracted by Jordan Companies to witness performance testing on Jordan Series 8500 3-wide mulled PVC single hung windows. Test specimen description(s) and results are reported herein.

Test Procedure: The test specimens were evaluated in accordance ASTM E 930-97, "Standard Test Method for Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference."

Test Specimen Description:

Series/Model: 8500

Type: 3-wide mulled PVC single hung window

Overall Size: 8' 11-5/8" wide by 5' 11-5/8" high

Individual Window Size (3): 2' 11-5/8" wide by 5' 11-5/8" high

Finish: All PVC was white.

Glazing Details: The window utilized nominal 3/4" insulating glass comprised of two single-strength annealed sheets and a desiccant-filled spacer system. The glass for the sash was set from the exterior against a bed of silicone with PVC stops used on the exterior.



DP35

5 pages

STRUCTURAL TEST REPORT

Rendered to:

JORDAN COMPANIES

Series/Model: 8500

Type: 3-Wide Muller PVC Single Hung Window

587 First Street SW
New Brighton, MN 55112
phone: 651.636.3835
fax: 651.636.3843
www.archtest.com

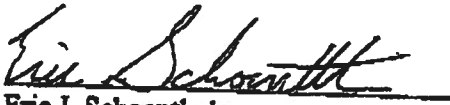
Report No: 02-33516.01
Test Date: 10/04/01
Report Date: 11/13/01
Expiration Date: 10/04/05

02-46046.01

Page 3 of 3

Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product which may only be granted by the certification program administrator. This report may not be reproduced, except in full, without the approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, INC.



Eric J. Schoenthaler
Technician



Daniel A. Johnson
Regional Manager

EJS/mb
02-46046.01

Test Results: The results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test – Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.1.2	Air Infiltration per ASTM E 283-91 (See Note #1) @ 1.57 psf (25 mph) @ 6.24 psf (50 mph)	<0.01 cfm/ft ² <0.01 cfm/ft ²	0.30 cfm/ft ² max. --

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

2.1.3	Water Resistance per ASTM E 547-00 (See Note #2)		
2.1.4.1	Uniform Load Deflection per ASTM E 330-97 (See Note #2)		
2.1.4.2	Uniform Load Structural per ASTM E 330-97 (See Note #2)		

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

2.1.7	Welded Corner Test	Pass	<100% break on weld
2.1.8	Forced Entry Resistance per ASTM F 588-97 Type D Grade 40 Lock Manipulation Test	No entry	No entry

Optional Performance:

4.3	Water Resistance per ASTM E 547-00 and 331-00 WTP = 7.5 psf	No leakage	No leakage
4.4.1	Uniform Load Deflection per ASTM E 330-97 (See Note #3) (Measurements reported were taken in between the anchor points) (Loads were held for 60 seconds) @ 50.0 psf (positive) @ 50.0 psf (negative)	0.04" 0.03"	No Damage No Damage
4.4.2	Uniform Load Structural per ASTM E 330-97 (Measurements reported were taken in between the anchor points) (Loads were held for 10 seconds) @ 75.0 psf (positive) @ 75.0 psf (negative)	<0.01" <0.01"	0.16" max. 0.16" max.

Note #3: The Uniform Load Deflection test is not an AAMA/WDMA 101/I.S. 2-97 requirement for this product designation. The data is recorded in this report for information only.



Architectural Testing

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

Rendered to:

JORDAN COMPANIES
4661 Burbank Road, P.O. Box 18377
Memphis, Tennessee 38118

Report No: 02-46046.D1

Test Date: 07/17/03

Report Date: 07/23/03

Expiration Date: 07/17/07

Project Summary: Architectural Testing, Inc. (ATI) was contracted by Jordan Companies, to perform testing on Series 8900 PVC Fixed window. The sample tested successfully met the performance requirements for a F-C50 60 x 78 rating. Test specimen description and results are reported herein.

Test Procedure: The test specimens were evaluated in accordance with AAMA/WDMA 101/I.S. 2-97, "Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors."

Test Specimen Description:

Series/Model: Series 8900

Type: PVC Fixed Window

Overall Size: 4' 11-3/4" wide by 6' 5-3/4" high

Area: 32.3 ft²

Finish: All vinyl was white.

Glazing Details: The window utilized a nominal 3/4" thick insulating glass unit fabricated from two nominal double strength sheets of annealed glass separated by a desiccant filled metal spacer system. The glass was set from the interior against a silicone sealant backbedding. PVC glazing stops were utilized on the interior.

Frame Construction: The frame corners were miter cut and welded.

Installation: The window was installed within a nominal 2" by 8" SPF wood test buck. The window was anchored to the buck with #8 by 1-5/8" wood screws spaced 6" from each corner and 8" to 10" on center. Silicone sealant was used to seal the window to the test buck.

849 Western Avenue North
Saint Paul, MN 55117-5245
phone: 651.636.3835
fax: 651.636.3843
www.archtest.com

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

Rendered to:

JORDAN COMPANIES

**SERIES/MODEL: Series 8980
TYPE: PVC Fixed Window**

Title of Test	Results
AAMA Rating	F-C50 60 x 78
Uniform Load Deflection Test Pressure	± 50.0 psf
Air Infiltration	< 0.01 cfm/ft ²
Water Resistance Test Pressure	7.5 psf
Uniform Load Structural Test Pressure	± 75.0 psf
Corner Weld Test	Pass
Forced Entry Resistance	Grade 40

Reference should be made to full report for test specimen description and data.

Report No: 02-46046.01
Report Date: 07/23/03
Expiration Date: 07/17/07



XX

Glazed Inswing Unit

GGP-INT-034102-02

WOOD-EDGE STEEL DOORS**APPROVED DOOR STYLES:****3/4 GLASS:**

404 Series



410 Series



450 Series

FULL GLASS:

108 Series

114, 120, 122
Series

162 Series



140 Series



300 Series

CERTIFIED TEST REPORTS:

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

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

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

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

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

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

Kurt L. Bath

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



This Data Review Certificate #2020-47A and COP/Not Report Verification Number #302047A-001 provides additional information - available from the ITSMW website (www.gtlstake.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Johnson
EntrySystems

June 17, 2002

Our company certifies that the information provided herein is true and correct. We warrant that the information is true and correct.

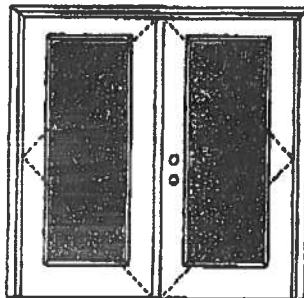


Manufactured by
Masonite
Masonite International Corporation

XX

Glazed Inswing Unit

COP-WL-JH4442-02

WOOD-EDGE STEEL DOORS**APPROVED ARRANGEMENT:**

Test Data Review Certificate #0008447A
and COP-WL Report Validation Mark
#0008447A-001 provides additional
information - available from the ITB/MH
website (www.masonite.com), the
Masonite website (www.masonite.com)
or the Masonite telephone center.

Note:

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

Double Door

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

Design Pressure**+40.5/-40.5**

United water unless special threshold design is used.

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

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

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed - see MAD-WL-MA0002-02 and
MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

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

APPROVED DOOR STYLES:**1/4 GLASS:**

100 Series



120, 185 Series



130 Series



880 Series



022 Series

1/2 GLASS:

105 Series



106, 188 Series*



125 Series*



200 Series*

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

107 Ridge*



188 Series



204 Series

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

Johnson
EntrySystems

June 17, 2002
Our Johnson EntrySystems is proud to implement safety and security, design and product
which subject to change without notice.



Exclusively from

Masonite
Masonite International Corporation

X
Glazed Inswing Unit

COF-WI-MI01A1 01

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES: 3/4 GLASS:



414 Series



418 Series



450 Series

FULL GLASS:



108 Series



114, 120, 122
Series



152 Series



149 Series



300 Series

CERTIFIED TEST REPORTS:

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

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

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

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

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

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

Kurt L. Bath

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



Test Data Review Certificate #200847A and COPI/TEST REPORT VENDOR Mark #200847A-OUT provides additional information - available from the ITSDWH website (www.itdwh.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Johnson
EntrySystems

June 17, 2008
Any specifying or details of product, and/or product specifications, design and product shall subject to change without notice.

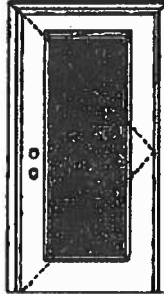


Exclusively from
Masonite
Masonite International Corporation

X

Glazed Inswing Unit

001 WL 00101 11

WOOD-EDGE STEEL DOORS**APPROVED ARRANGEMENT:****Note:**

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

Single Door

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

Design Pressure

+40.5/-40.5

Limited water intrusion; special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is REQUIRED.

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



Test Data Review Certificate #0025447A and COP/TSR Report Validation Report #0025447A-001 provides additional information - available from the ITSAM website (www.itsam.com), the Masonite website (www.masonite.com) or the appropriate technical center.

MINIMUM ASSEMBLY DETAIL:

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

MINIMUM INSTALLATION DETAIL:

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

APPROVED DOOR STYLES:**1/4 GLASS:**

101 Series



133, 135 Series



136 Series



680 Series



682 Series

1/2 GLASS:

103 Series



106, 160 Series



128 Series



200 Series



12 RL, 23 RL, 44 RL Series



107 Series



168 Series



304 Series

*This glass is now also in used in the following door styles: 6-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

Johnson
EntrySystems

June 17, 2006
Our products are made of a special high-strength material specification, design and product
model project in Europe - national codes.



Exclusively from

Masonite
Masonite International Corporation

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.

☐

☐ *see note 2*

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, I_w , and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7.
- c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated.
- d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient.
- e. Components and Cladding. The design wind pressures in terms of psf (kN/m^2) to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional.

Elevations including:

- a) All sides
- b) Roof pitch
- c) Overhang dimensions and detail with attic ventilation

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☐

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

e) Location and size of skylights

f) Building height

e) Number of stories

Floor Plan including:

a) Rooms labeled and dimensioned.

b) Shear walls identified.

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

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

e) Identify egress windows in bedrooms, and size.

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

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

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

Foundation Plan including:

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

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

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

d) Location of any vertical steel.

Roof System:

a) Truss package including:

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

b) Conventional Framing Layout including:

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

Wall Sections including:

a) Masonry wall

1. All materials making up wall
2. Block size and mortar type with size and spacing of reinforcement
3. Lintel, tie-beam sizes and reinforcement
4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation shall be designed by a Windload engineer using the engineered roof truss plans.
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 (termicide 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) shall be designed by a Windload engineer using the engineered roof truss plans.
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 (termicide 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)

☒ N/A ☐

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

☒ N/A ☐

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EXISTING WALL

- 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.
758-1084
Pearson
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

Location: _____

Project Name: _____

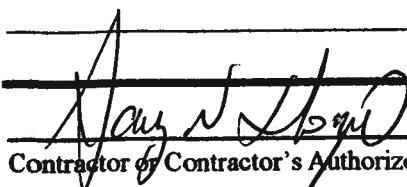
As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit on or after April 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

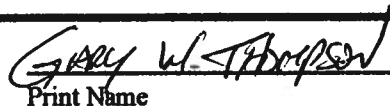
Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS	MASONITE		20
1. Swinging	MASONITE	WOOD-EDGE STEEL DOOR	FL 18
2. Sliding	CAPITOL	METAL	5483
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung	JORDAN	VINYL S/H	1378
2. Horizontal 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	JAMES HARDIE	HARDI-PLAK LAP SIDING	FL 889
2. Soffits	ALCOA	ALUM. SOFFIT	FL 2641
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	TANKO	30# FELT	FL 1481
3. Roofing Fasteners			
4. Non-structural Metal Rf	GULF COAST SUPPLY	26ga "TUFF RIB"	2632
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			

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	SIMPSON	HURRICANE TIES	FL 1423
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

 4/2/06
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:

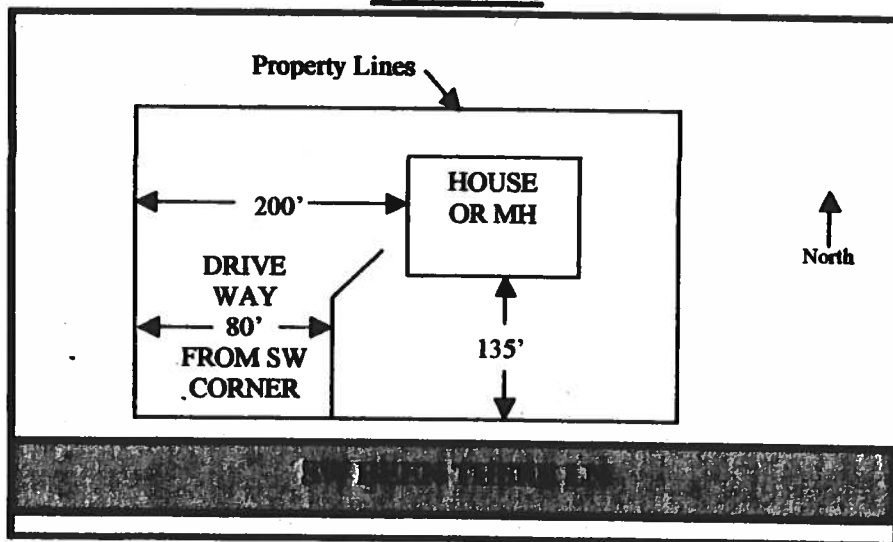
YOU CAN NOT OBTAIN A NEW ADDRESS OVER THE TELEPHONE. MUST MAKE AN APPOINTMENT!

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.

Notice of Prevention for Subterranean Termites
(As required by Florida Building Code (FBC) 104.2.6)



A locally owned
company serving
you since 1975

17856 U.S. 129 • McALPIN, FLORIDA 32062
(386) 362-3887 • 1-800-771-3887 • Fax: (386) 364-3529

#24409

Shed

Bird / 14221 Tustenvogge Ave., Ft. White, FL

Address of Treatment or Lot/Block of Treatment

5-31-06

Date

11:30 AM

Time

Calvin R. Smart

Applicator

Prevail

Product Used

Cypermethrin

Chemical used (active ingredient)

120

Number of gallons applied

.25%

Percent Concentration

576

Area treated (square feet)

796

Linear feet treated

Horizontal / Vertical

Stage of treatment (Horizontal, Vertical, Adjoining Slab, retreat of disturbed area)

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

If this notice is for the final exterior treatment, initial and date this line.

Notice of Prevention for Subterranean Termites
(As required by Florida Building Code (FBC) 104.2.6)



A locally owned
company serving
the state since 1979

17856 U.S. 129 • McALPIN, FLORIDA 32062
(386) 362-3887 • 1-800-771-3887 • Fax: (386) 364-3529

House

Bird / 14221 Tustenugie Ave. Ft. White, FL

Address of Treatment or Lot/Block of Treatment

Date

Time

Applicator

Product Used

Chemical used (active ingredient)

Number of gallons applied

Percent Concentration

Area treated (square feet)

Linear feet treated

Stage of treatment (Horizontal, Vertical, Adjoining Slab, retreat of disturbed area)

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

If this notice is for the final exterior treatment, initial and date this line.

Certificate of Compliance for Termite Protection
(As required by Florida Building Code (FBC) 1816.1.7)

6 24409



17856 U.S. 129
McALPIN, FLORIDA 32062
(386) 362-3887
1-800-771-3887
Fax: (386) 364-3529

Ronald & Laurel Bird 14221 Tustenuggie Ave Ft. White, FL 32038

Address of Treatment or Lot/Block of Treatment

Soil barrier spray

Method of Termite Prevention Treatment - soil barrier, wood treatment, bait system, other
(describe)

Permit# _____

The building has received a complete treatment for the prevention of subterranean termites.
The treatment is in accordance with rules and laws established by the Florida Department of
Agriculture and Consumer Services.

A handwritten signature in cursive script, reading "Dana Tidwell", is written over a horizontal line.

Authorized Signature

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 30-6S-17-09813-015

Building permit No. 000024409

Use Classification SFD, UTILITY

Fire: 0.00

Permit Holder GARY W. THOMPSON

Waste: 0.00

Owner of Building RONALD & LAUREL BIRD

Total: 0.00

Location: 14221 SW TUSTENUGGEE AVE, FT. WHITE, FL

Date: 03/28/2007

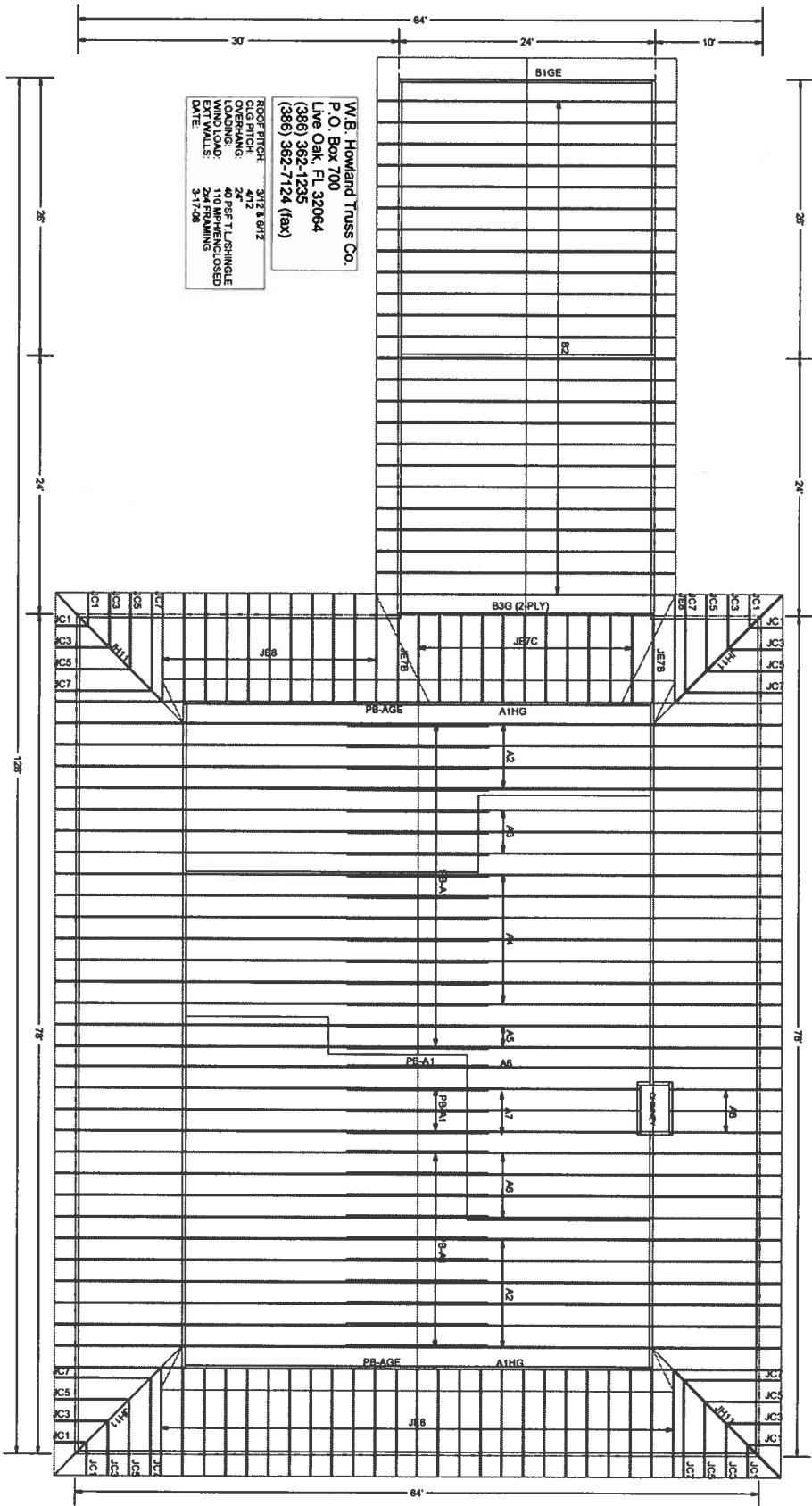
Gary Dicks

Building Inspector



POST IN A CONSPICUOUS PLACE
(Business Places Only)

Scale: 1/16" = 1'



Job Name: Ronald and Laurel Bird Re
Customer: GARY THOMPSON
Designer: Chris McCall

JOB NO:

3314

PAGE NO:

1 OF 1

Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID: ISVO215-Z0521114928

Truss Fabricator: W.B. Howland
Job Identification: 3314-/Ronald and Laurel Bird Re /GARY THOMPSON -- Live Oak, FL
Truss Count: 21
Model Code: Florida Building Code 2004
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Version 7.24.
Structural Engineer of Record: The identity of the structural EOR did not exist as of
Address: the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads: Roof - 32.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-02 -Closed



Seal Date: 03/21/2006

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: HCUSR215

-Truss Design Engineer-
James F. Collins Jr.

Florida License Number: 52212
1950 Marley Drive
Haines City, FL 33844

Details: BRCLBSUB-CNBRGBLK-A11015EE-GBLLETIN-

#	Ref	Description	Drawing#	Date
1	58580--	A1HG	06080061	03/21/06
2	58581--	A2	06080062	03/21/06
3	58582--	A3	06080063	03/21/06
4	58583--	A4	06080064	03/21/06
5	58584--	A5	06080065	03/21/06
6	58585--	A6	06080066	03/21/06
7	58586--	A7	06080067	03/21/06
8	58587--	A8	06080053	03/21/06
9	58588--	B1GE	06080068	03/21/06
10	58589--	B2	06080054	03/21/06
11	58590--	B3G (2-PLY)	06080069	03/21/06
12	58591--	JC1	06080070	03/21/06
13	58592--	JC3	06080055	03/21/06
14	58593--	JC5	06080056	03/21/06
15	58594--	JC7	06080057	03/21/06
16	58595--	JE7B	06080058	03/21/06
17	58596--	JE7C	06080059	03/21/06
18	58597--	JE8	06080060	03/21/06
19	58598--	JH11	06080071	03/21/06
20	58599--	PB-A1	06080072	03/21/06
21	58600--	PB-AGE	06080073	03/21/06



(3314-/Ronald and Laurel Bird Re /GARY THOMPSON -- Live Oak, FL - A2)

Top chord 2x6 SP #2 N :T2, T4 2x6 SP SS:
Bot chord 2x6 SP SS :B2, B3 2x6 SP #2 N:
Webs 2x4 SP #2 N

(A) Continuous lateral bracing equally spaced on member.

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

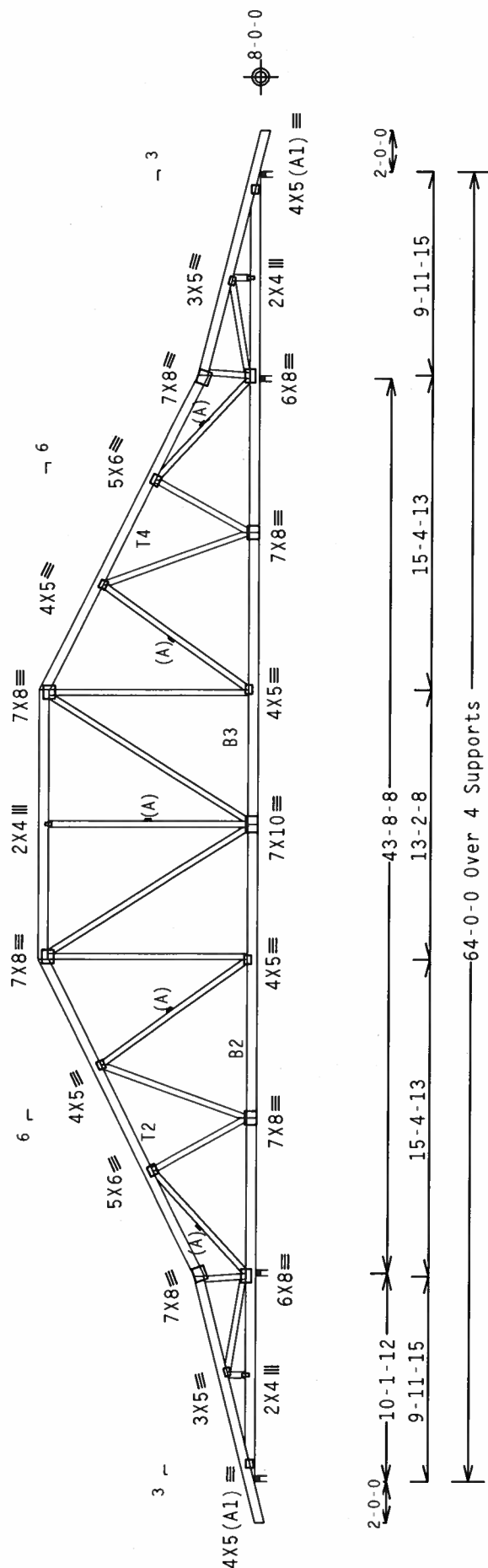
Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 10-8-5.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 8.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI 1-03 in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and uninstructed people to install trusses. See "WARNING" note below. BCSI 1-03 recommends seeing a registered professional engineer for the design of temporary bracing.



R=456 U=180 W=3.5"

R=2280 U=219 W=3.5"

R=2280 U=219 W=3.5"
R=456 U=180 W=3.5"

Design Crit: TPI-2002 (STD) /FBC

NY:10 FL/-5/-/-R/- Scale = .125"/Ft.

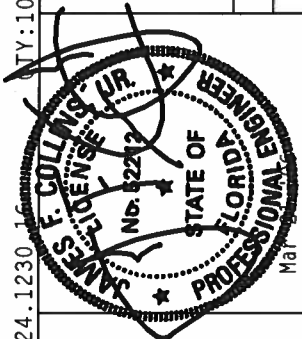
PLT TYP. Wave[R

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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 (20/18/16) ASTM A653 GRADE 40/60 (40/60) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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



JAMES F. COLLINS, P.E.
STATE OF FLORIDA
PROFESSIONAL ENGINEER
License No. 92272

REF	R215--	58581
DATE	03/21/06	
DRW	HCUSR215	06080062
HC-ENG	EC/WHK	
SEQN-	113391	
FROM	CDM	
JREF-	1SV0215	Z05

Top chord 2x6 SP #2 N
Bot chord 2x6 SP #2 N
Webs 2x4 SP #2 N

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 8.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI 1-03 in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and uninstructed people to install trusses. See "WARNING" note below. BCSI 1-03 recommends seeing a registered professional engineer for the design of temporary bracing.

Bearing blocks: Nail type: 10d Box or Gun (0.128"x3" min.) nails
BRG X-LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE
2 10.000' 1 12" 4 Match Truss
Bearing block to be same size and species as bottom chord.
Refer to drawing CNBRGLK1103 for additional information.

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

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 10-8-5.

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY (KUSS MEK).

Top chord 2x6 SP #2 N
Bot chord 2x6 SP #2 N
Webs 2x4 SP #2 N

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 8.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI 1-03 in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and uninstructed people to install trusses. See "WARNING" note below. BCSI 1-03 recommends seeing a registered professional engineer for the design of temporary bracing.

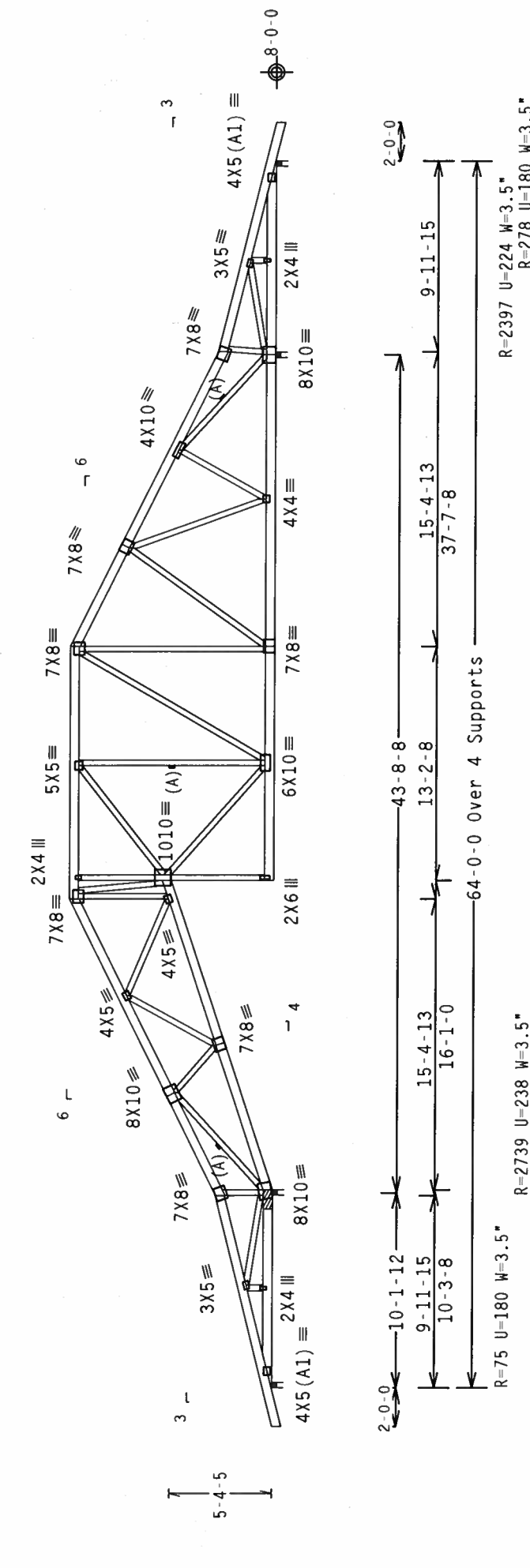
Bearing blocks: Nail type: 10d Box or Gun (0.128"x3" min.) nails
BRG X-LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE
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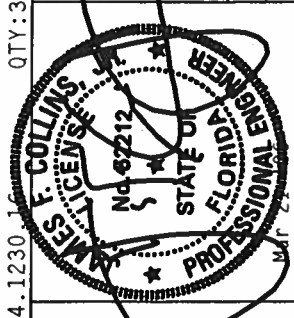
Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 10-8-5.



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

PLT TYP. Wave/R	QTY:3	FL/-/5/-/R/-	Scale = .125"/Ft.
REF	TC LL	20.0 PSF	REF R215-- 58582
DATE	TC DL	10.0 PSF	DATE 03/21/06
DRW	BC DL	10.0 PSF	DRW HCUSR215 06080063
HC-ENG	BC LL	0.0 PSF	HC-ENG EC/WHK
SEQN-	TOT.LD.	40.0 PSF	SEQN- 113416
FROM	DUR.FAC.	1.25	FROM CDM
JREF-	SPACING	24.0"	JREF- 1SV0215_Z05



****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 SYSTEMS, INC., 1000 O'DONOHUE DR., SUITE 200, MADISON, WI 53719, AND NCA (NATIONAL TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERING PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. CONNECTOR PLATES ARE MADE OF 2018/16GA (W-N/S/K) ASTM A653 GRADE 40/60 (N. K/M.5) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. DRAWING SECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

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

(3314-Ronald and Laurel Bird Re /GARY THOMPSON -- Live Oak, FL - A4)

Top chord 2x6 SP #2 N
Bot chord 2x6 SP #2 N
Webs 2x4 SP #2 N

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 8.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Plates sized for a minimum of 3.00 sq.in./piece.

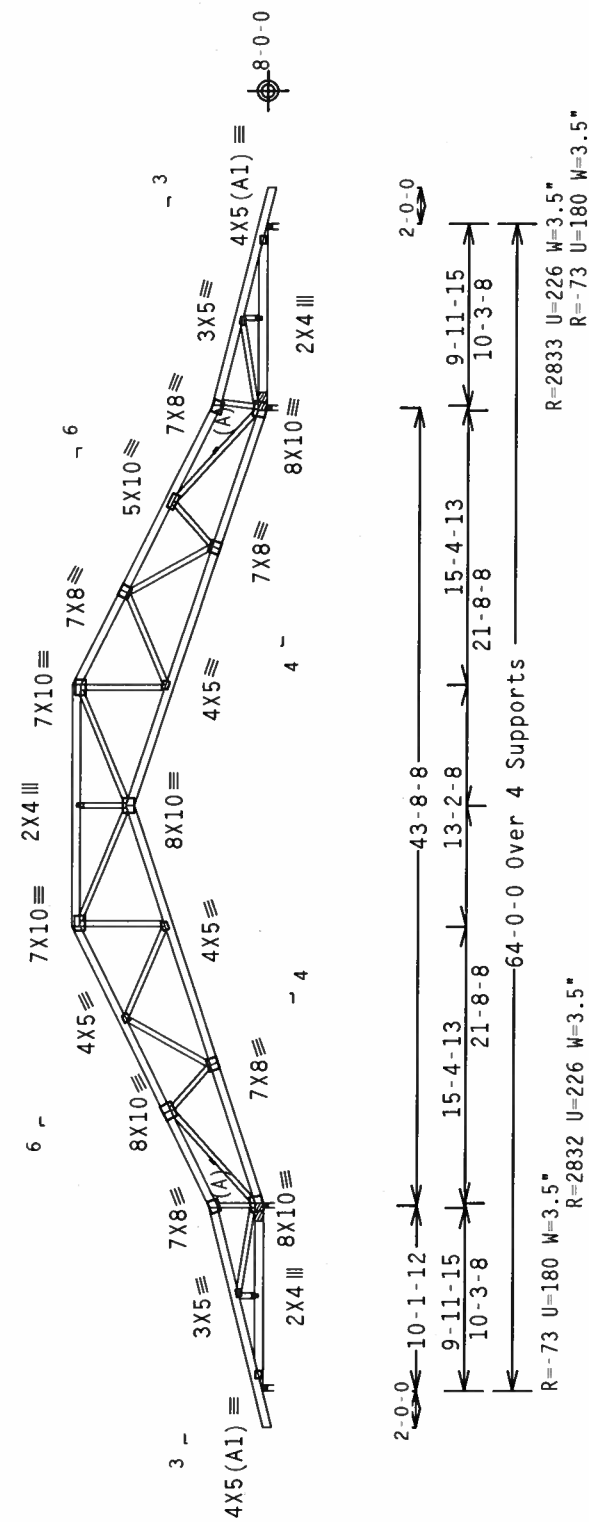
The overall height of this truss excluding overhang is 10-8-5.

Bearing blocks: Nail type: 10d Box or Gun (0.128"x3".min.) nails
BRG X-LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE
2 10.000' 1 12" 4 Match Truss
3 53.708' 1 12" 4 Match Truss
Bearing block to be same size and species as bottom chord.
Refer to drawing CNBRGBLK1103 for additional information.

Calculated horizontal deflection is 0.23" due to live load and 0.24" due to dead load.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI 1-03 in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and untrained people to install trusses. See "WARNING" note below. BCSI 1-03 recommends seeing a registered professional engineer for the design of temporary bracing.

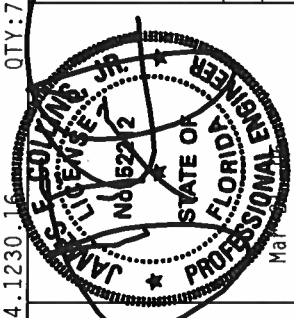


Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave | R QTY: 7 FL/-5/-/-R/- Scale = 0.9375"/Ft.

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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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 TRUSSES ARE FABRICATED TO MEET OR EXCEED ALL APPLICABLE CODES AND STANDARDS. APPLY PLATES TO EACH FACE OF TRUSS AND DIAGONAL MEMBERS. TOP CHORDS SHALL BE PROTECTED PER NDS 10A.1.2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SECTION 10A.1.2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ALPINE

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

TC LL	20.0 PSF	REF	R215--	58583
TC DL	10.0 PSF	DATE	03/21/06	
BC DL	10.0 PSF	DRW	HCUSR215	06080064
BC LL	0.0 PSF	HC-ENG	EC/WHK	
TOT.LD.	40.0 PSF	SEON-	113411	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1SV0215_Z05	

Top	chord	2x6	SP	#2	N
Bot	chord	2x6	SP	#2	N
	webs	2x4	SP	#2	N

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 8.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Plates sized for a minimum of 3.00 sq. in./piece.

The overall height of this truss excluding overhang is 10-8-5.

Bearing blocks: Nail type: 10d Box or Gun (0.128"x3", min.) nails

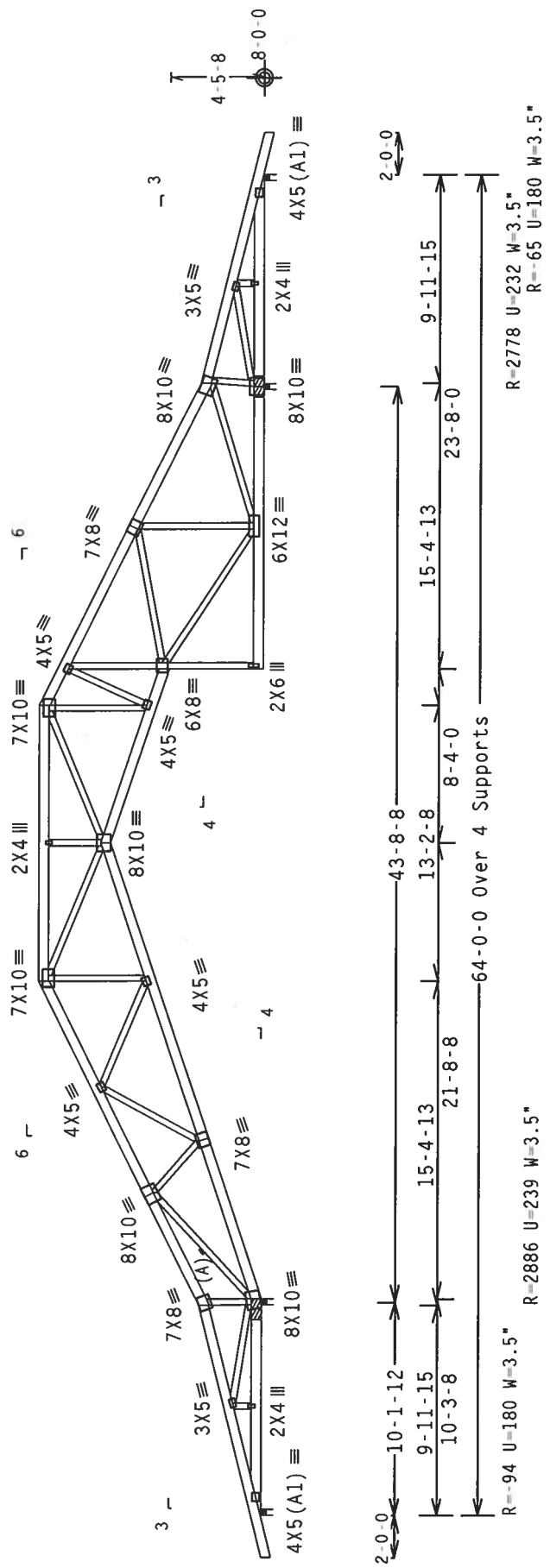
BBRG	X-LOC	#BLOCKS	LENGTH/BLK	#NAILS/BLK	WALL PLATE
2	10,000'	1	12"	4	Match Truss
3	53,708'	1	12"	4	Match Truss

Bearing block to be same size and species as bottom chord.
Refer to drawing CNBRGBLK1103 for additional information.

Calculated horizontal deflection is 0.23" due to live load and 0.24" due to dead load.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI 1-03 in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and untrained people to install trusses. See "WARNING" note below. BCSI 1-03 recommends seeing a registered professional engineer for the design of temporary bracing.



Design Crit: TPI-2002(STD)/FBC

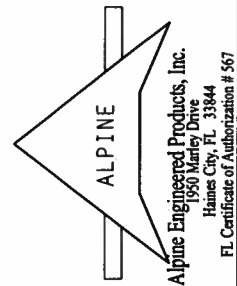
PLT TYP. Wave/R

Design CRIT: IPI-2002(SIU)/FBC

$\text{Cg/RT}=1.00(1.25)/10(0) \quad 7.2$

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ALL TRUSSES AND CONNECTIONS PUBLISHED BY IPI TRUSS COMPANY, INC. 593 O'NEAL DR., SUITE 200, MADISON, WI 53719, AND CONNECTIONS PUBLISHED BY IPI TRUSS COMPANY, INC. 593 O'NEAL DR., SUITE 200, MADISON, WI 53719, FOR SAFETY PURPOSES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE SAFELY 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 TP11 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE TRUSS AND THE ALPINE ENGINEERED PRODUCTS, INC. CONNECTOR PLATES ARE MADE OF 2018/10GA (N/A)X3/8" ASTM A663 GRADE 40/60 (N/A)X3/8" STEEL PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, KINSHIP PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS DESIGN COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/PF11 SEC.2.



FL/-/5/-/-R/-		Scale = .125" / Ft.
TC LL	20.0 PSF	REF R215-- 58584
TC DL	10.0 PSF	DATE 03/21/06
BC DL	10.0 PSF	DRW HCUR215 06080065
BC LL	0.0 PSF	HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN- 113407
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SV0215_Z05

Top	chord	2x6	SP	#2	N
Bot	chord	2x6	SP	#2	N
	webs	2x4	SP	#2	N

Bearing blocks: Nail type: 10d Box or Gun (0.128"x3", min.) nails
BRG X-LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE
2 10,000' 1 12" 4 Match Truss
Bearing block to be same size and species as bottom chord.
Refer to drawing CNBRGLK1103 for additional information.

110 mph wind, 15.00 ft mean hgt. ASCE 7-02, CLOSED bldg, not located within 8.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

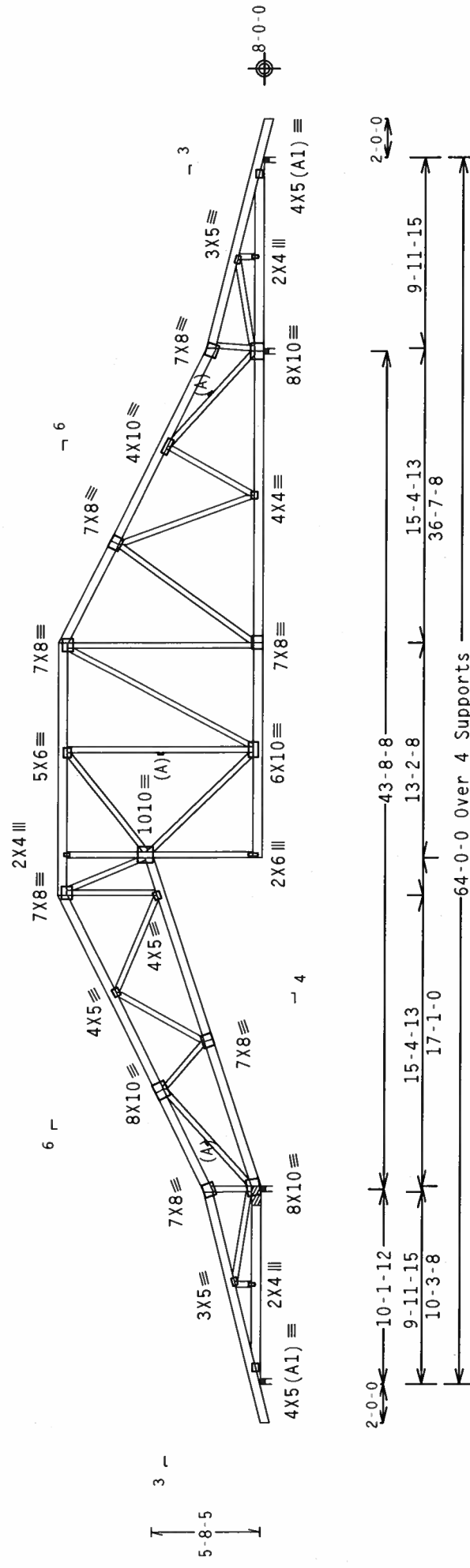
Deflection meets L/360 live and L/240 total load.

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSP 1-03 in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and uninstructed people to install trusses. See "WARNING" note below. BCSP 1-03 recommends seeing a registered professional engineer for the design of temporary bracing.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Plates sized for a minimum of 3.00 sq. in./piece.

The overall height of this truss excluding overhang is 10-8-5.



R=41 U=180 W=3.5"

R=2774 U=239 W=3.5^H

$P=2125$ $11=221$ $M=3$ 5°

R=2423 U=224 W=3.5
R=250 U=180 W=3.5"

Design Crit: TPI-2002(STD)/FBC

 $Cd/RT=1.00(1.25)/10(0) \quad 7.$
$$\text{Scale} = 125''/\text{Ft}$$

OTV: 5 E1-/-/5/-/-/R/-/-

230-7896

 $10(0) \quad 7.5$ $RT=1.00(1)$

5

 ϵ/R

PLT TYP.

*****WARNING: THESE REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO CSES 1100 (LOADING AND UNLOADING INFORMATION), PUBLISHED BY TPI (CRUISE PLATE INSTITUTE, INC. 5630 DUNFORD BL. SUITE 200, MADISON, WI 53719), FOR SAFETY PRACTICES PRIOR TO THESE FUNCTIONS. THESE FUNCTIONS ARE TO BE PERFORMED BY PERSONNEL WHO ARE PROPERLY TRAINED AND CERTIFIED. THE TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.**

***IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE ALPINE ENGINEERING TRUSS IN CONFORMANCE WITH TPI1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, CONNECTIONS AND APPLICABLE PROVISIONS OF MODS (NATIONAL DESIGN SPEC. BY AISC) AND TPI1. ALPINE CONTRACTORS SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE TRUSS COMPONENTS. THE TRUSS PLATES TO EACH FACE OF FLOORS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANEX A OF TPI1-2002 SEC.3.3. THE SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. THE SEAL OF THIS CONTRACTOR FOR THIS CONSENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANS/TPI1 SEC. 2.

ALPINE

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

FL Certificate of Authorization # 567
Haines City, FL 33844

Mar 21 00

EC. 2.

DESIGNER PER ANSI

4400
ation # 567

Fl. Certificate of

Top chord 2x6 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Left end vertical not exposed to wind pressure.
(A) Continuous lateral bracing equally spaced on member.
Deflection meets L/360 live and L/240 total load.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

The overall height of this truss excluding overhang is 10-8-5.

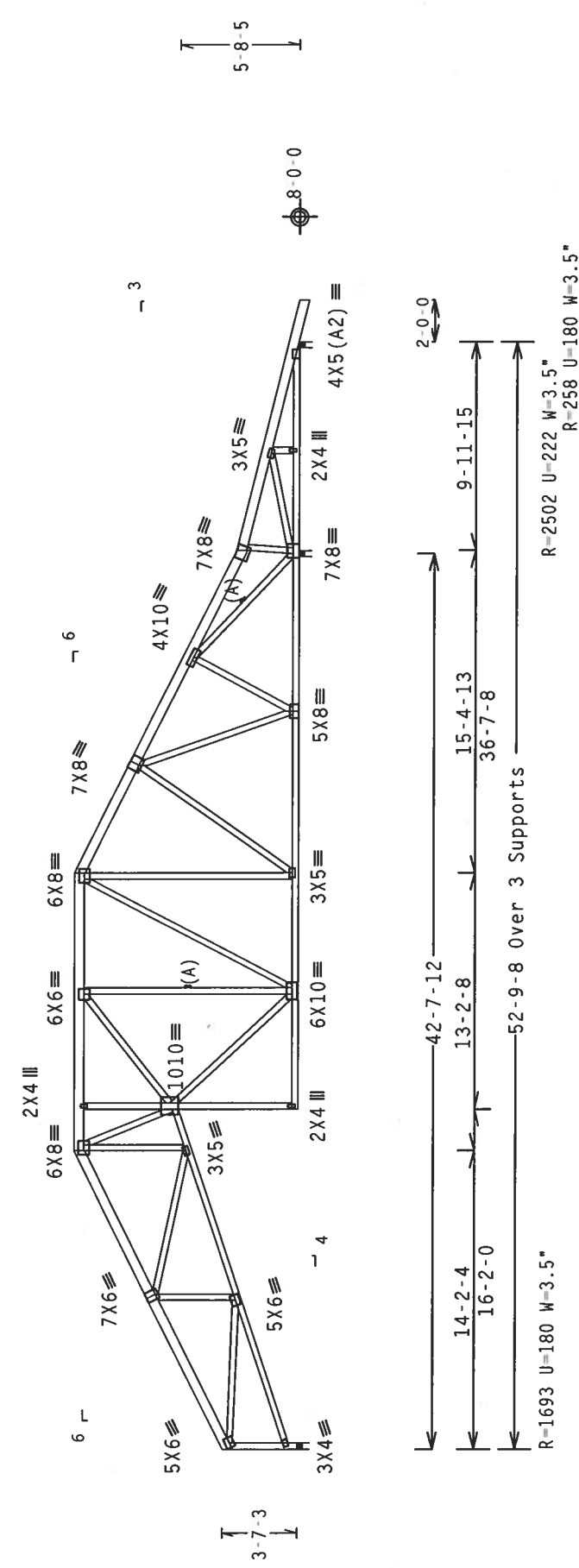
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Calculated horizontal deflection is 0.19" due to live load and 0.20" due to dead load.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Plates sized for a minimum of 3.00 sq.in./piece.

Shim all supports to solid bearing.



PLT TYP. Wave/R

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230.16

Scale = .125"/Ft.

REF	R215--	58586
DATE	03/21/06	
DRW	HCUSR215	06080067
HC-ENG	EC/WHK	
SEQN	113403	
FROM	CDM	
JREF	1SV0215_Z05	

ALPINE
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1950 Marley Drive
Haines City, FL 33844
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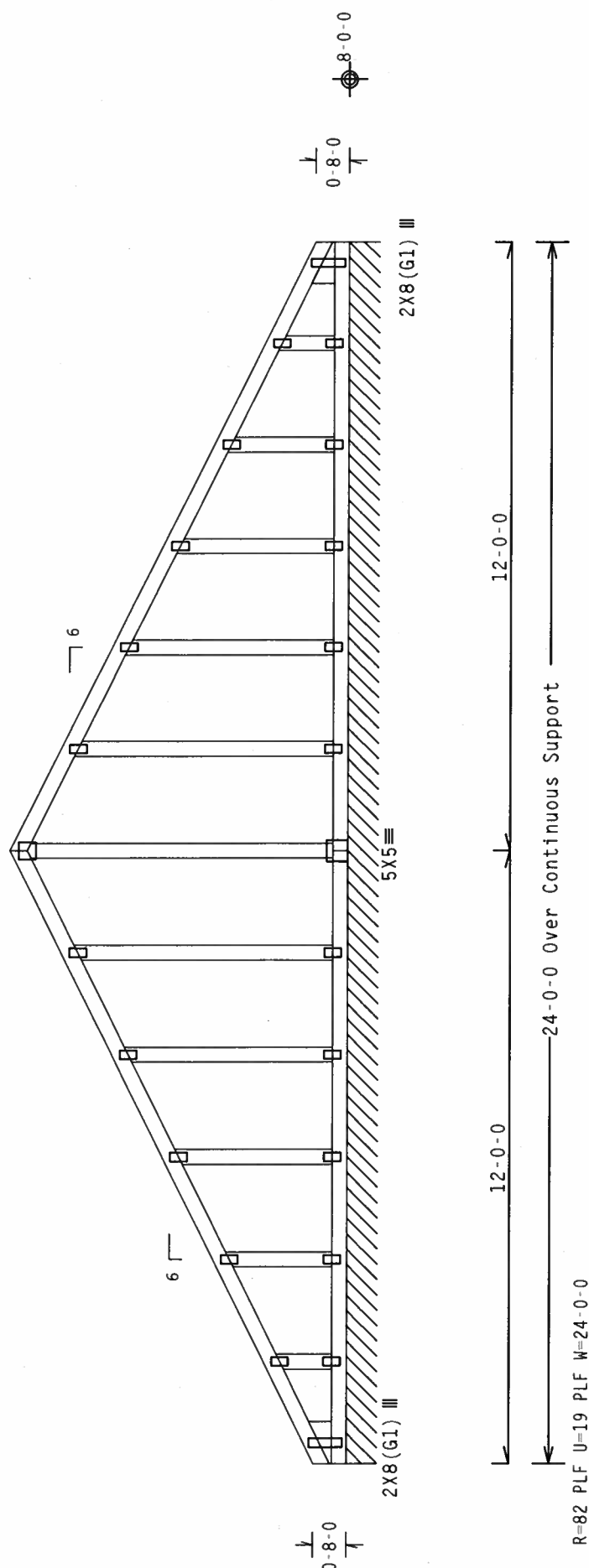
(3314-Ronald and Laurel Bird Re /GARY THOMPSON -- Live Oak, FL - B1GE)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
:Lt Stubbed Wedge 2x6 SP #2 N::Rt Stubbed Wedge 2x6 SP #2 N:
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC
DL=5.0 psf.

See DWGS A11015EE0405 & GBLLETIN0405 for more requirements.
Plates sized for a minimum of 3.00 sq.in./piece.
THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE
ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND
SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS
LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE
DESIGNED BY THE BUILDING DESIGNER.

SEE DWGS A11015EC0405 FOR ADDITIONAL REQUIREMENTS.

SPECIAL LOADS
----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at 0.00 to 62 PLF at 24.00
BC - From 20 PLF at 0.00 to 20 PLF at 24.00
Deflection meets L/360 live and L/240 total load.
The overall height of this truss excluding overhang is 6-8-0.



Note: All Plates Are 2x4 Except As Shown.

Design Crit: TPI-2002 (STD)/FBC

PLT TYP. Wave\R Cg/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-5/-/R/- Scale = .3125"/Ft.

Alpine Engineering 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 BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 593 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719), AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

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

F. COLLINS
No. 62217
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Mar 21 '06

REF	R215--	58588
DATE	03/21/06	
DRW	HCUSR215	06080068
HC-ENG	EC/WHK	
SEQN-	113436	
FROM	CDM	
JREF	1SV0215_Z05	

(3314-/Ronald and Laurel Bird Re /GARY THOMPSON -- Live Oak, FL - B2)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

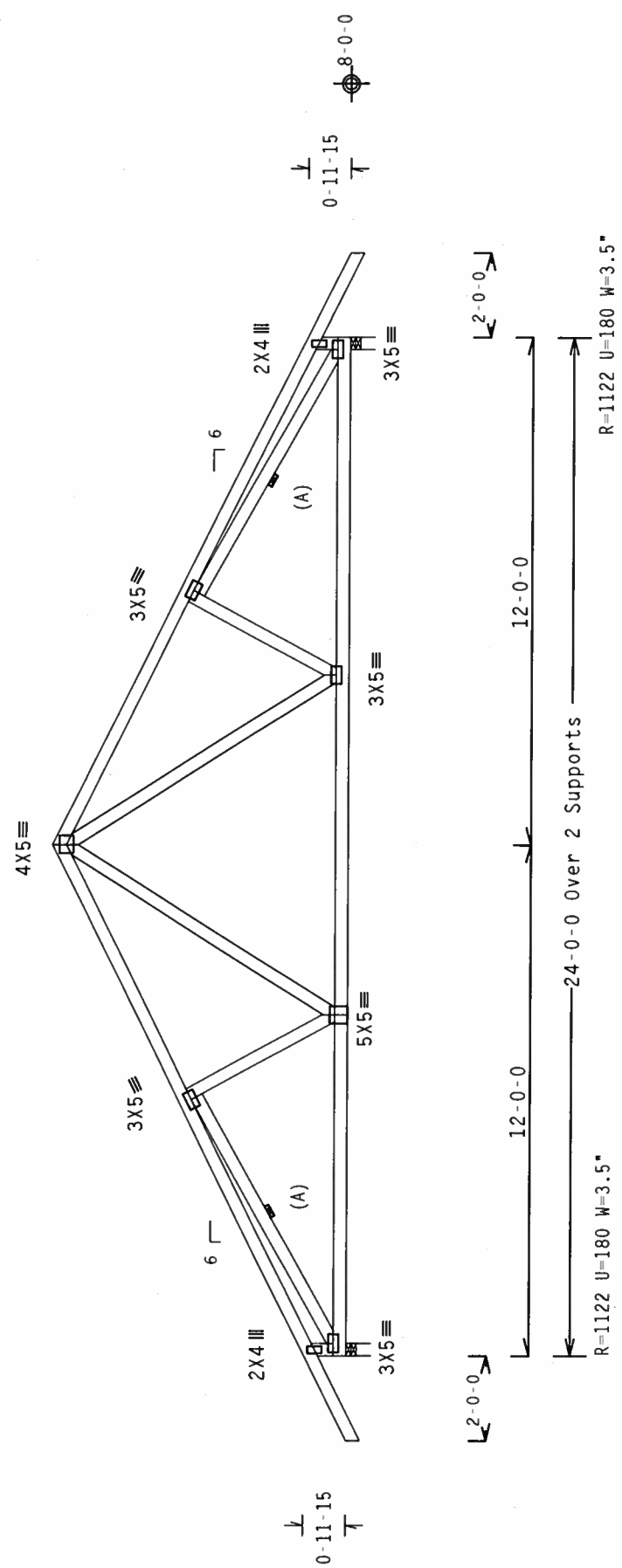
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

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

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 6-11-15.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave|R

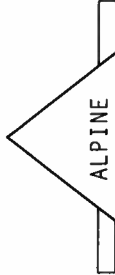
Cg/RT=1.00(1.25)/10(0)

QTY:24 FL/-/5/-/R/-

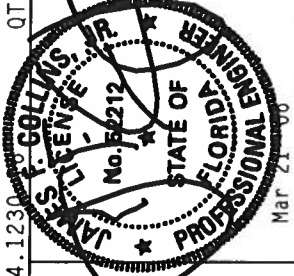
Scale = .25"/Ft.

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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 PLATES FOR PLATES ARE MADE OF 20/10/160A (N.H/5X3) ASTM A553 GRADE 40/60 (N. K/A.5) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY TPI. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. A SEAL ON THIS DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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



F. COLLINS, P.E.
No. 12212
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Mar 21 2000

REF	R215--	58589
DATE	03/21/06	
DRW	HCUSR215 06080054	
HC-ENG	EC/WHK	*
SEQN-	113440	
FROM	CDM	
JREF-	1SV0215_Z05	

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d_Box_or_Gun_(0.128"x3",_min.)_nails)

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

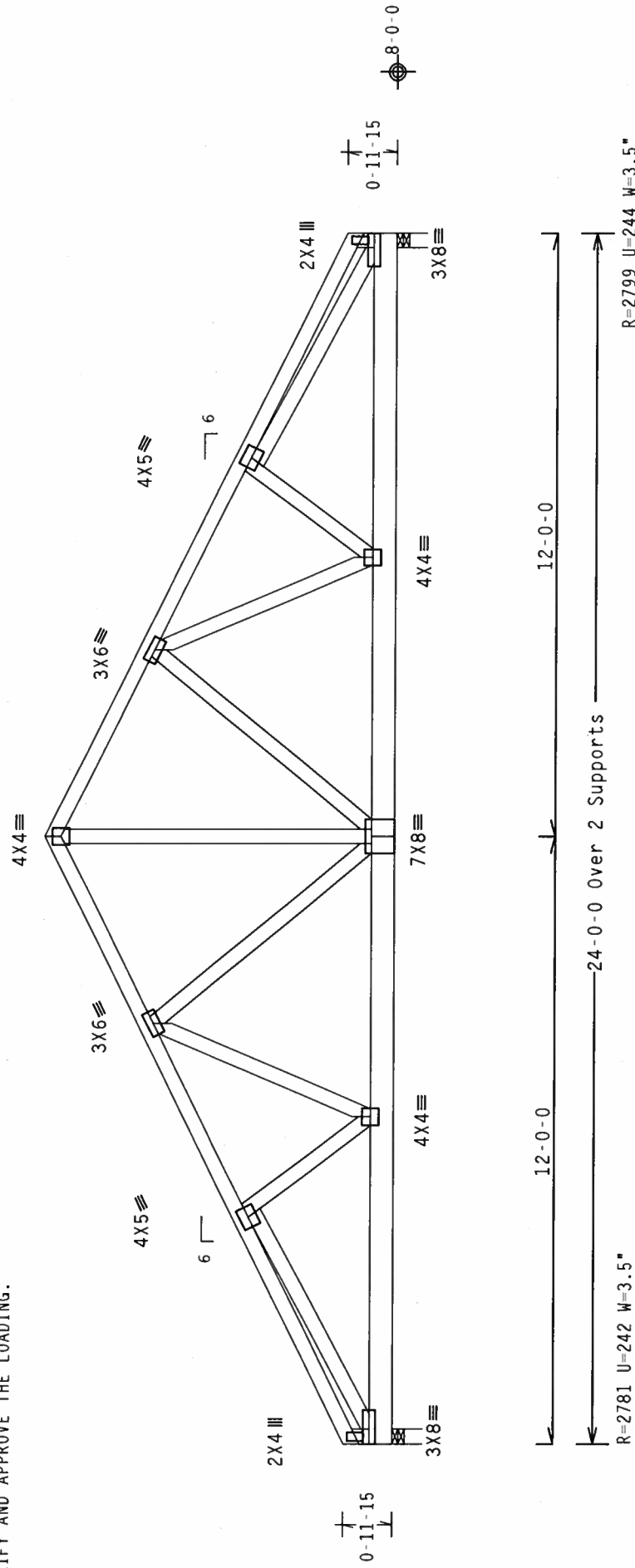
Bot Chord: 1 Row @ 9.50" o.c.

Webs : 1 Row @ 4" o.c.

Use equal spacing between rows and stagger nails in each row to avoid splitting.

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

The overall height of this truss excluding overhang is 6-11-15.



Design Crit: TPI-2002(STD)/FBC

Scale = .3125"/Ft.

FL/-/5/-/-/R/-

1230 66 6015
PTY:1

7.2

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

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15 JULY 2004

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PLT TYP

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 593 D'ONOFIO DR., SUITE 200, MADISON, WI 53719, AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEER
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE
DESIGN CONFORMING WITH APPLICABLE FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES
CONNECTIONS WITH APPLICABLE PROVISIONS OF THE DESIGN SPEC. (BY AIA/AIA) AND THE ALPINE
CONNECTOR PLATES ARE MADE OF 2010/16GA. W/16GA. STEEL. (BY AIA/AIA) AND THE ALPINE
PLATES TO EACH FACE OF TRUSS AND OVERLAP OTHERWISE LOCATED ON THIS DESIGN. (BY AIA/AIA) AND THE ALPINE
ANY INSPECTION OF PLATES FOLLOWED BY 1) SHALL BE PER ANNEX A OF TP11-2003 SEC. 3. A SEAL ON THE
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT
DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE
BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

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

FL Certificate of Authorization # 567
Haines City, FL 33844

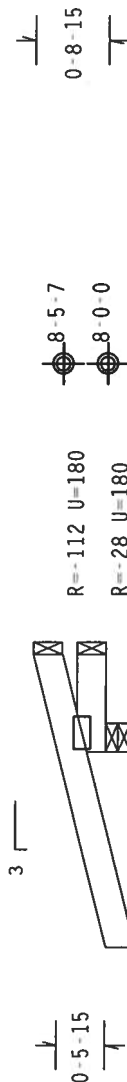
11110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Plates sized for a minimum of 3.00 sq.in./piece.

Top chord	2x4	SP	#2	N
Bot chord	2x4	SP	#2	N

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

The overall height of this truss excluding overhang is 0-8-15.


$$2 \times 4(A1) \equiv$$

2-0-0
1-0-0 Over 3 Supports

R=350 U=180 W=3.5"

Design Crit: TPI-2002(STD)/FBC

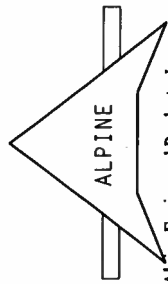
PLT TYP. Wave\R

$$Ca/RT = 1.00(1.25)/10(0) \quad 7.24.1230.16$$

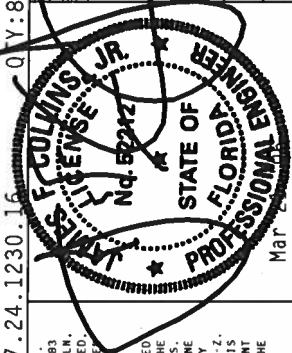
Scale = .5" / Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP 1-03, BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE PLASTERING INSTITUTE, 983 N. O'HIOLETT RD., SUITE 200, MADISON, WI 53719, AND WCA WOOD TRUSSES COMPANY OF AMERICA, 4360 N. HARTSHORN RD., 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 TRUSS CEILING.

****IMPORTANT*****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN;
CONFORMANCE WITH TPI- OR FABRICATING, HANDLING, SHIPPING, INSTALL
UNLESS SPECIFIC PROVISIONS OF NATIONAL DESIGN SPEC., BY ARBITRATION
CONNECTOR PLATES ARE MADE GOVERNMENTAL CODE CHAPTER 4706 CM,
PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE STATED ON THE DRAWING
INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY
BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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Mar

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"

ROM CDM

REF- 1SV0215 Z05

(3314-/Ronald and Laurel Bird Re /GARY THOMPSON -- Live Oak, FL - JC3)

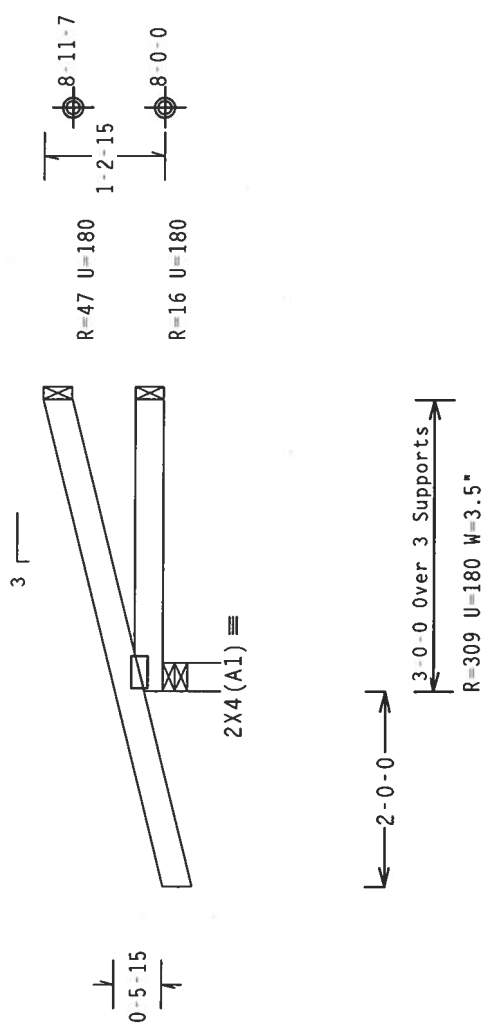
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

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

The overall height of this truss excluding overhang is 1-2-15.

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

Plates sized for a minimum of 3.00 sq.in./piece.



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

PLT TYP. Wave/R

7.24.1230

QTY:8

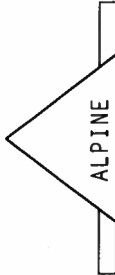
FL/-/5/-/-/R/-

Scale =.5"/Ft.

TC LL	20.0 PSF	REF	R215-- 58592
TC DL	10.0 PSF	DATE	03/21/06
BC DL	10.0 PSF	DRW	HCUSR215 06080055
BC LL	0.0 PSF	HC-ENG	EC/WHK
TOT.LD.	40.0 PSF	SEQN-	113321
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SV0215 Z05

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'ORFIO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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 AFAPA AND TPI. APPLICABLE CONNECTOR PLATES ARE MADE OF 2010/160A (N.H/SKT) ASTM A653 GRADE 40/60 (N. K/H-S) GALV. STEEL. APPLY TO ALL PLATES. UNLESS OTHERWISE NOTED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY SMALL PERMANENT MARKS SHALL BE PERMANENT. THE BUILDING DESIGNER'S ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENTS DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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1950 Marley Drive
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FL Certificate of Authorization # 567

(3314-/Ronald and Laurel Bird Re /GARY THOMPSON -- Live Oak, FL - JC5)

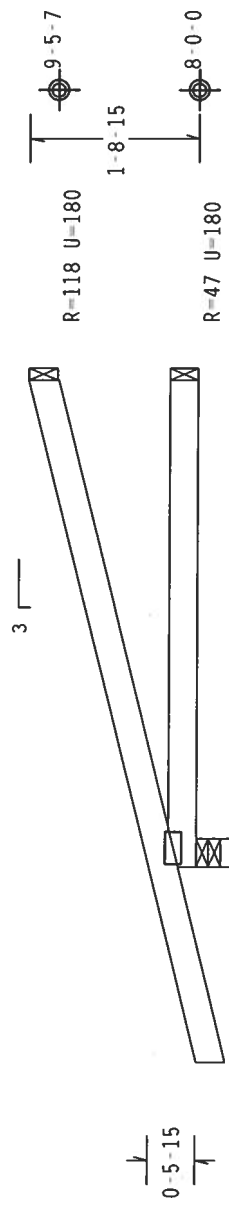
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

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

The overall height of this truss excluding overhang is 18-15.

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

Plates sized for a minimum of 3.00 sq.in./piece.

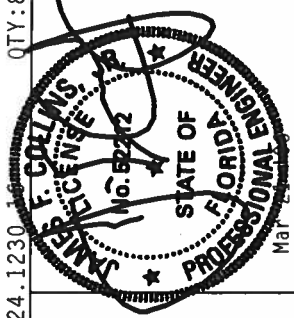


2-0-0
5-0-0 Over 3 Supports
R=368 U=180 W=3.5"

Design Crit: TPI-2002(STD)/FBC

QTY: 8 FL/-/5/-/R/- Scale = .5"/Ft.

REF	R215--	58593
DATE	03/21/06	
DRW	HCUSR215	06080056
HC-ENG	EC/WHK	*
SEQN-	113324	
FROM	CDM	
JREF-	1SV0215_Z05	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 589 O'DONOGHIE DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

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

(3314-/Ronald and Laurel Bird Re /GARY THOMPSON -- Live Oak, FL - JC7)

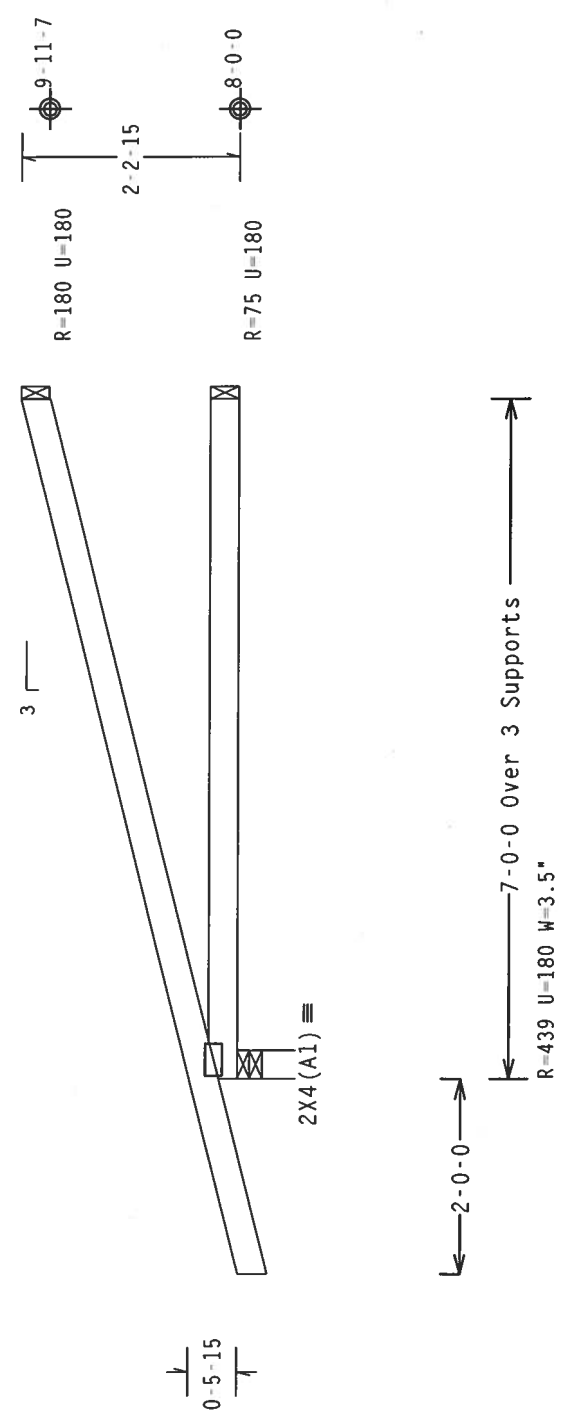
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

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

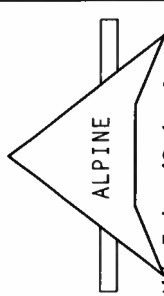
The overall height of this truss excluding overhang is 2-2-15.

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

Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC
Cg/RT=1.00(1.25)/10(0) 7.24.1230



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PLT TYP. Wave/R

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. TRUSSES IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 20/18/10GA (0.1875/0.01875) ASTM A653 GRADE 40/60 (40 KSI/60 KSI) GALV. STEEL. ANY INSPECTION OF PLATES FOLLOWED BY TPI. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPANY'S 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.

TV-8

7.24.1230

Scale = .5"/Ft.

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

REF	R215--	58594
DATE	03/21/06	
DRW	HCUSR215	06080057
HC-ENG	EC/WHK	*
SEQN-	113327	
FROM	CDM	
JREF-	1SV0215_Z05	

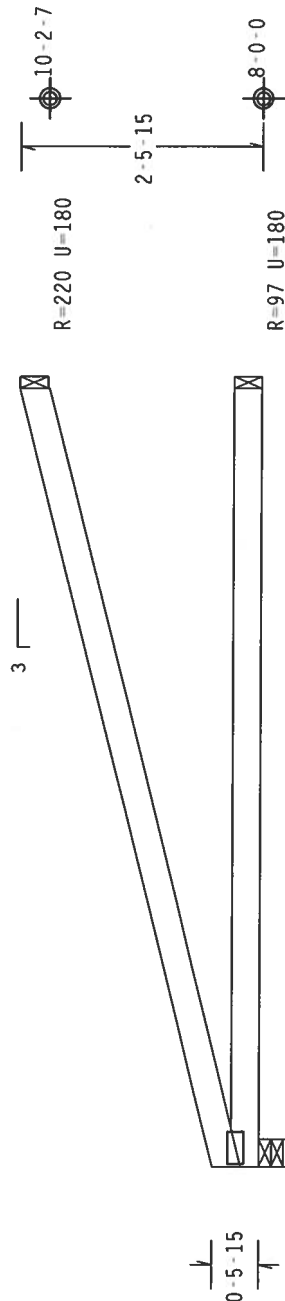
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

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

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

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 2'-5"-15".



8-0-0 Over 3 Supports

R-328 U-180 W-3.5"

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

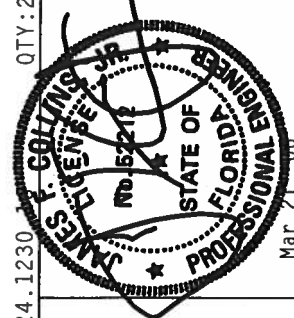
 $Cq/RT=1.00(1.25)/10(0)$ 7.24.1230

QTY:2

FL 1 - 151 - 1 - 1 R / -

Scale = .5"/Ft.

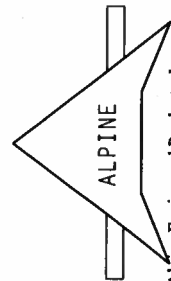
TC LL	20.0 PSF	REF	R215--	58595
TC DL	10.0 PSF	DATE	03/21/06	
BC DL	10.0 PSF	DRW	HCUSR215	06080058
BC LL	0.0 PSF	HC-ENG	EC/WHK	*
TOT.LD.	40.0 PSF	SEQN-	113335	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1SV0215_Z05	



Mar 21 1968

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE, 4001 38TH AVE. N. SUITE 200, MADISON, WI 53719, AND WCA WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE DR., SUITE 100, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE STATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED TRUSS CEILING.

IMPORTANT—FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERING PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD TRUSSES IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLIED PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE TRUSS COMPANY SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO PROPERTY OR PERSONAL INJURY CAUSED BY PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS BELOW. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANCH A3 OF TP11-2009 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT MANUFACTURED BY ALPINE TRUSS COMPANY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER ANCH A3 OF TP11-2009 SEC.3.



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1950 Marley Drive
Haines City, FL 33844

FL Certificate of Authorization # 567

(3314-/Ronald and Laurel Bird Re /GARY THOMPSON -- Live Oak, FL - JE7C)

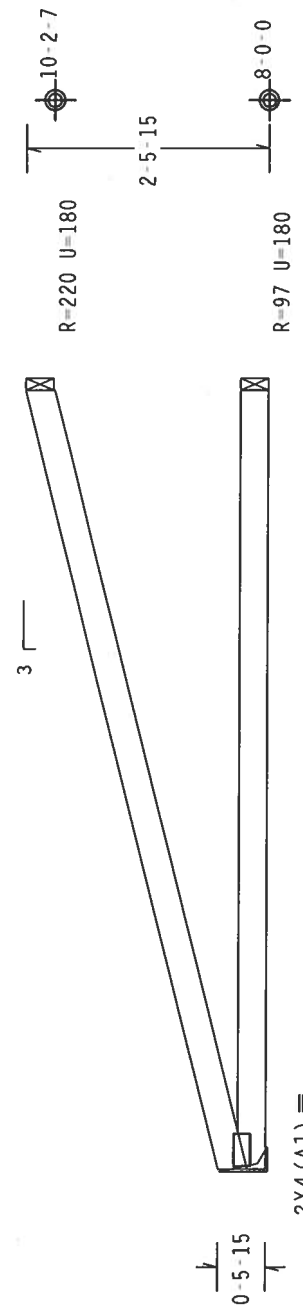
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

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

The overall height of this truss excluding overhang is 2-5-15.

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

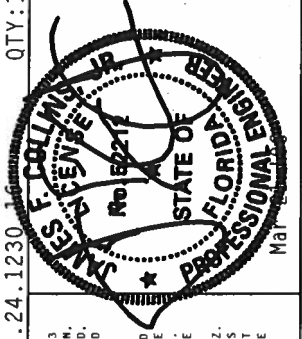
Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC

QTY:11 FL/-/5/-/-/R/- Scale = .5" /Ft.

TC LL	20.0 PSF	REF	R215--	58596
TC DL	10.0 PSF	DATE	03/21/06	
BC DL	10.0 PSF	DRW	HCUSR215	06080059
BC LL	0.0 PSF	HC-ENG	EC/WHK	*
TOT.LD.	40.0 PSF	SEQN-	113340	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1SV0215_205	



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

****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. PROVIDE TRUSSES WITH APPLICABLE (1) PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS. ALPINE SHALL APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED, SHALL BE LOCATED PER DRAWING 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. ALPINE SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N
	webs	2x4	SP	#2	N

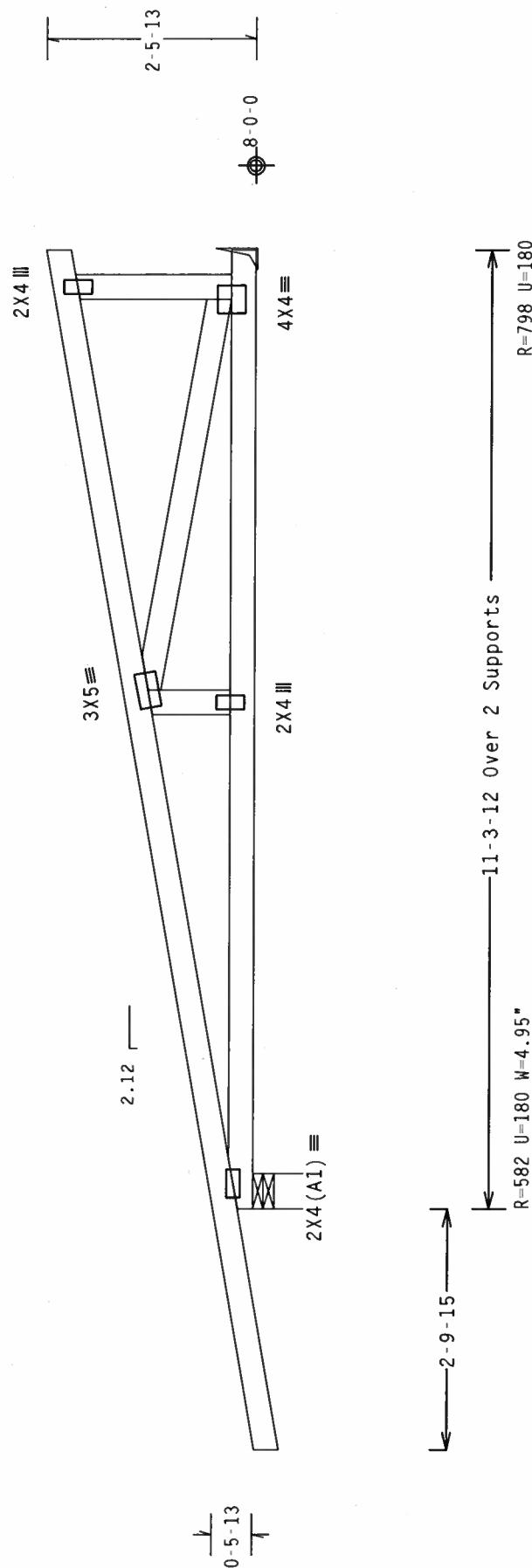
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Hipjack supports 8-0-0 setback jacks. Jacks up to 7' have no webs. Longer jacks supported to 8C.

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

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 2-5-13.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

QTY:4 FL/-/5/-/-/R/-
Scale = .5" / Ft.

QTY:4 FL/-/5/-/-/R/-/-

Scale = .5"/Ft.

REF R215-- 58598

DATE 03/21/06

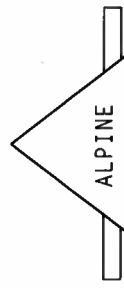
DRW HCUSR215 06080071

HC-ENG EC/WHK

112349

FROM COM

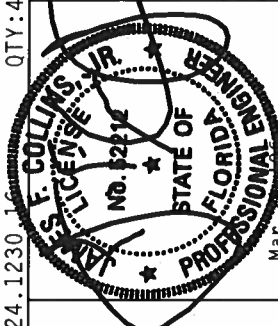
FROM CDM



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

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

[illegible] Σ

(3314-Ronald and Laurel Bird Re /GARY THOMPSON -- Live Oak, FL - PB-A1)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

110 mph wind, 20.35 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

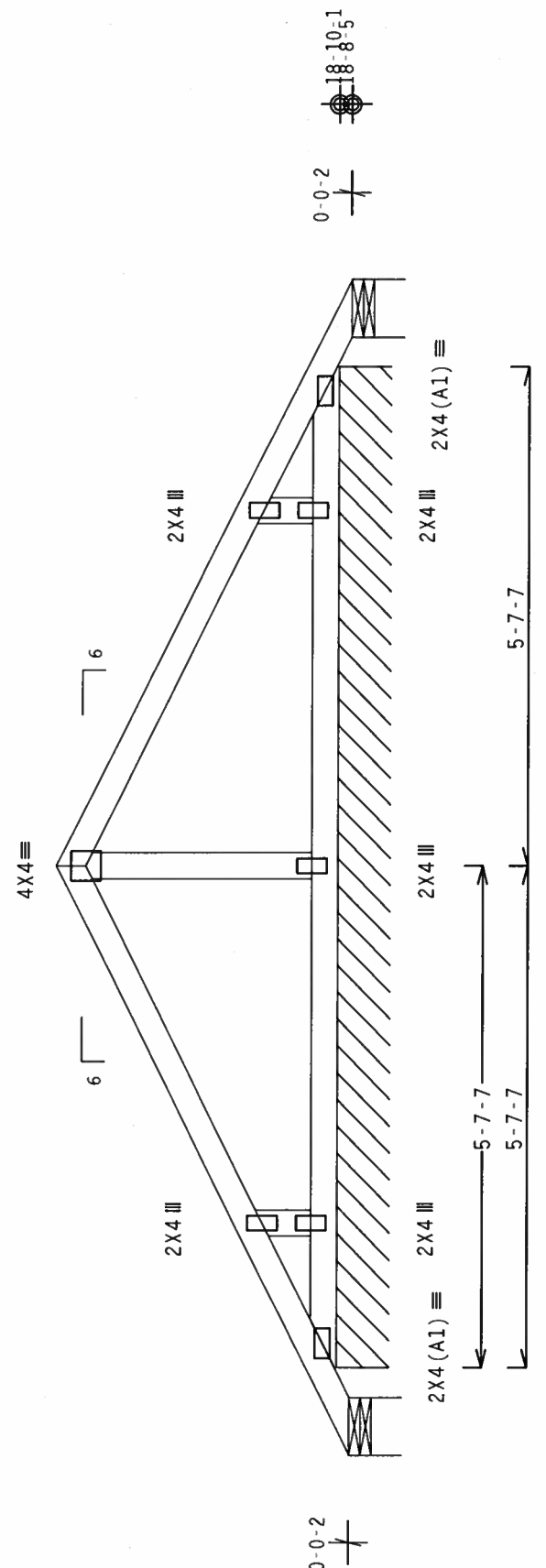
In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

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

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 3-3-10.

REFER TO DRAWING PIGGYBACK0204 FOR PIGGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" O.C.



R=29 U=180 W=7.826"
(7.576" Effective Contact)

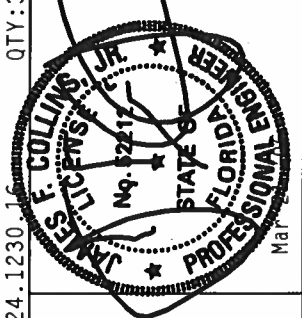
R=69 PLF U=22 PLF W=11-2-14
(7.576" Effective Contact)

13-2-8 Over 3 Supports

Design Crit: TPI-2002 (STD)/FBC

QTY: 30 FL/-/5/-/R/- Scale = .5" / Ft.

REF	R215--	58599
DATE	03/21/06	
DRW	HCUSR215	06080072
HC-ENG	EC/WHK	
SEQN-	113386	
FROM	CDM	
JREF-	1SV0215_Z05	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 593 D'ONOFIO DR., SUITE 200, MADISON, WI 53719), AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (N-H/57K) ASTM A563 GRADE 40/60 (N, K/M.S) GALV. STEEL. APPLY ANY INSPECTION OF PLATES, BOLTS AND BOLTING TO THE DESIGN. POSITION PER DRAWINGS 100A-Z. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS. THIS DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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

(3314-/Ronald and Laurel Bird Re /GARY THOMPSON -- Live Oak, FL - PB-AGE)

Top chord 2x6 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 61 PLF at -19.41 to 61 PLF at 38.59
BC - From 4 PLF at -2.00 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 36.59
BC - From 4 PLF at 36.59 to 4 PLF at 38.59
PLT- 220 LB Conc. Load at (0.65,19.23), (2.65,20.23), (4.59,21.20)
(6.53,18.88)
PLT- 209 LB Conc. Load at (8.53,18.88)
PLB- 97 LB Conc. Load at (6.53,18.88)

LOADING HAS BEEN CALCULATED BY THE TRUSS MANUFACTURER.
IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO
VERIFY AND APPROVE THE LOADING.

SEE DWGS A11015EC0405 FOR ADDITIONAL REQUIREMENTS.

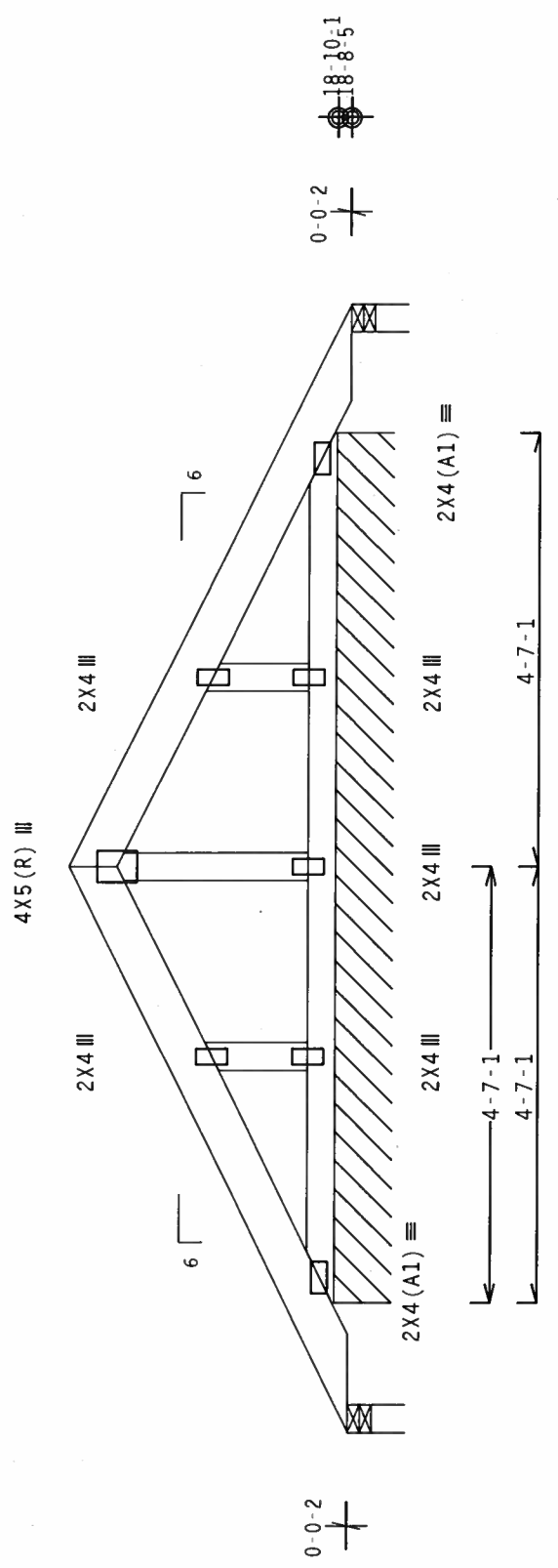
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located
within 8.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf,
wind BC DL=5.0 psf.

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

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 13-8-0.

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



11-10-12 Over 3 Supports
R=1 U=180 W=3.5"
(3.25" Effective Contact)
R=5 U=180 W=3.5"
(3.25" Effective Contact)

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

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

7.24.1230

FL/-/5/-/R/-

Scale = .5" / Ft.

ALPINE Alpine Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844 FL Certificate of Authorization # 367	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 563 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719), AND MITCA (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 TRUSSES 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-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANE 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.	FLORIDA STATE OF PROFESSIONAL ENGINEER NO. 52212 GARY L. THOMPSON JR. Mar 21 2000	<table><tr><td>TC LL</td><td>20.0 PSF</td><td>REF</td><td>R215--</td><td>58600</td></tr><tr><td>TC DL</td><td>10.0 PSF</td><td>DATE</td><td>03/21/06</td><td></td></tr><tr><td>BC DL</td><td>10.0 PSF</td><td>DRW</td><td>HCUSR215</td><td>06080073</td></tr><tr><td>BC LL</td><td>0.0 PSF</td><td>HC-ENG</td><td>EC/WHK</td><td></td></tr><tr><td>TOT.LD.</td><td>40.0 PSF</td><td>SEQN-</td><td>113432</td><td></td></tr><tr><td>DUR.FAC.</td><td>1.25</td><td>FROM</td><td>CDM</td><td></td></tr><tr><td>SPACING</td><td>24.0"</td><td>JREF-</td><td>1SV0215_Z05</td><td></td></tr></table>	TC LL	20.0 PSF	REF	R215--	58600	TC DL	10.0 PSF	DATE	03/21/06		BC DL	10.0 PSF	DRW	HCUSR215	06080073	BC LL	0.0 PSF	HC-ENG	EC/WHK		TOT.LD.	40.0 PSF	SEQN-	113432		DUR.FAC.	1.25	FROM	CDM		SPACING	24.0"	JREF-	1SV0215_Z05	
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DUR.FAC.	1.25	FROM	CDM																																			
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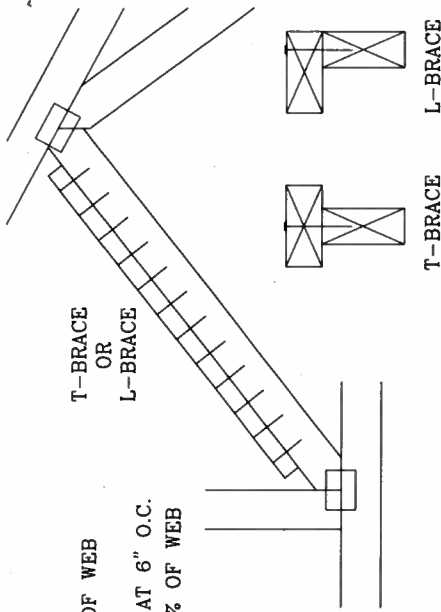
IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (N-H/S/K) ASTM A653 GRADE 40/60 (N. K/M-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ALL DIMENSIONS SHALL BE IN INCHES UNLESS OTHERWISE SPECIFIED. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEER. THE SEAL IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
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CLB WEB BRACE SUBSTITUTION

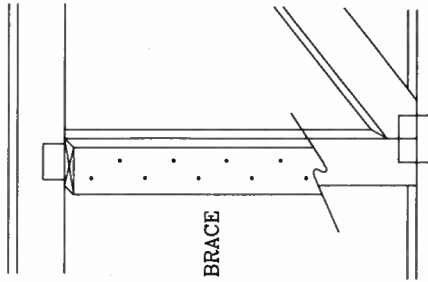
T-BRACING
OR
L-BRACING:

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



SCAB BRACING:

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



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

NOTES:

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

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

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

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

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

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST L-03 (BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 583 DUNDON DR., SUITE 200, MADISON, WI 53719) AND VICA (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 BUILDING SYSTEMS SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO FOLLOW THE TRUSS CONSTRUCTION AND BRACING REQUIREMENTS SPECIFIED IN THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. DESIGN CONFORMS WITH ALPINE TRUSS SYSTEMS BY AEP&P AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/18GA (W/K/H/S) ASTM A572 GRADE 40/60 (W/K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY CD SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



ALPINE ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA

THIS DRAWING REPLACES DRAWING 579.640

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

BEARING BLOCK NAIL SPACING DETAIL

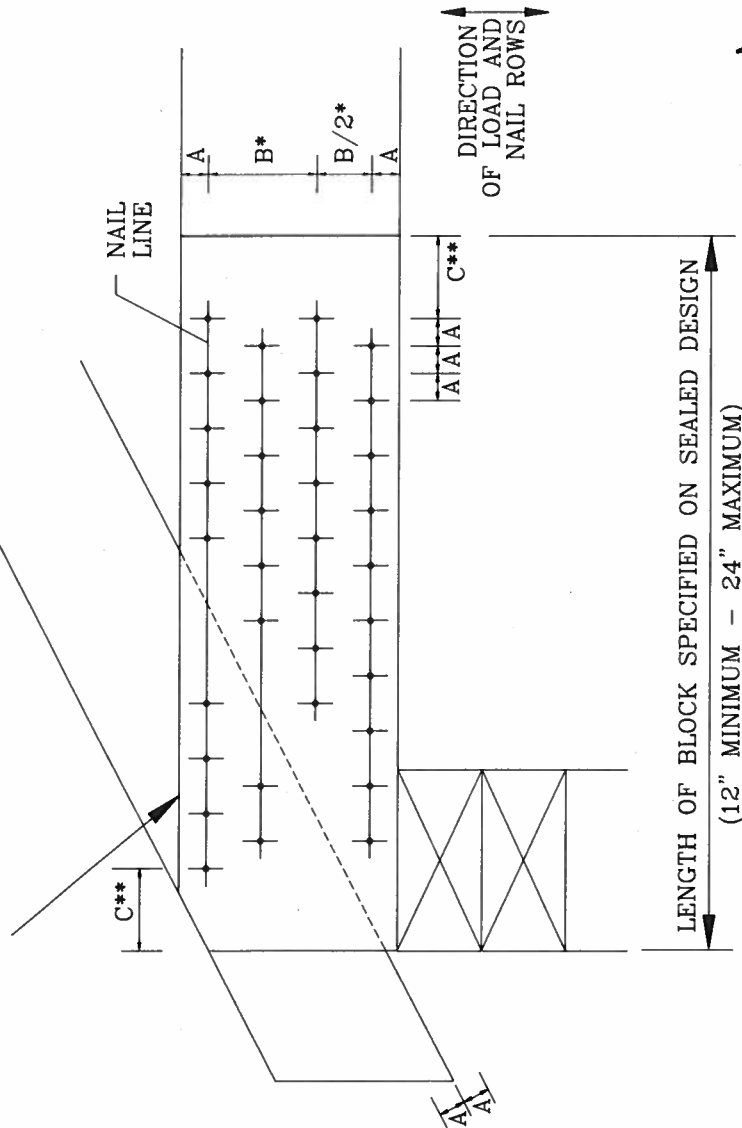
MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

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

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

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

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

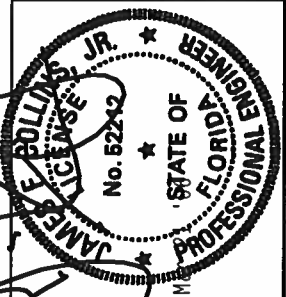


NAIL TYPE	CHORD SIZE					
	2X4	2X6	2X8	2X10	2X12	
8d BOX (0.113"x2.5")	3	6	9	12	15	
10d BOX (0.128"x3")	3	5	7	10	12	
12d BOX (0.128"x3.25")	3	5	7	10	12	
16d BOX (0.135"x3.5")	3	5	7	10	12	
20d BOX (0.148"x4")	2	4	5	6	8	
8d COMMON (0.131"x2.5")	3	5	7	10	12	
10d COMMON (0.148"x3")	2	4	6	8	10	
12d COMMON (0.148"x3.25")	2	4	6	8	10	
16d COMMON (0.162"x3.5")	2	4	6	8	10	
0.120"x2.5" GUN	3	6	8	11	14	
0.131"x2.5" GUN	3	5	7	10	12	
0.120"x3.0" GUN	3	6	8	11	14	
0.131"x3.0" GUN	3	5	7	10	12	

MINIMUM NAIL SPACING DISTANCES

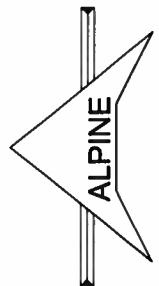
NAIL TYPE	DISTANCES		
	A	B*	C**
8d BOX (0.113"x2.5")	3/4"	1 3/8"	1 3/4"
10d BOX (0.128"x3")	7/8"	1 5/8"	2"
12d BOX (0.128"x3.25")	7/8"	1 5/8"	2"
16d BOX (0.135"x3.5")	7/8"	1 5/8"	2 1/8"
20d BOX (0.148"x4")	1"	1 7/8"	2 1/4"
8d COMMON (0.131"x2.5")	7/8"	1 5/8"	2"
10d COMMON (0.148"x3")	1"	1 7/8"	2 1/4"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

THIS DRAWING REPLACES DRAWING B139 AND CNBRGBLK0699



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PRODUCERS, INC.), 200 MADISON AVE., SUITE 200, ST. LOUIS, MO 63102, (314) 537-1900, AND VITCA (WOOD TRUSS COUNCIL OF AMERICA), 630 ENTERPRISE DRIVE, SUITE 300, ST. LOUIS, MO 63102, (314) 537-1900. 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 DEVIATING 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. FOR WOOD) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2024-T3 ALUMINUM. ALL OTHERS SHALL BE PER ANEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

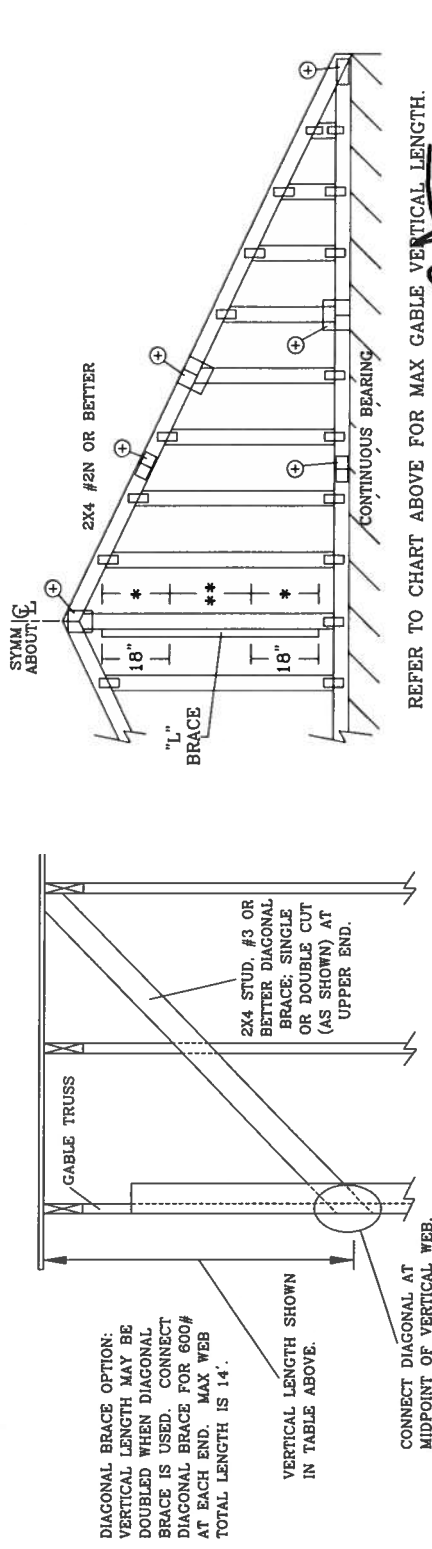


ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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

ASCE 7-02: 110 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

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



BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

DOUGLAS FIR-LARCH

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

GROUP B:

HEM-FIR		DOUGLAS FIR-LARCH	
#1 & BTR	#1	#1	#2

SOUTHERN PINE

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

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

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

CABLE 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.

CABLE 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.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND VITA (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 2018/16GA (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 IN THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE THE RESPONSIBILITY OF THE ENGINEER. SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE PROFESSIONAL ENGINEER'S DESIGN. THE SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE DESIGNER, PER ANSI/TPI 1 SEC. 2.

REF	ASCEY-02-CABI1015
DATE	04/15/05
DRWG	A11015EE0405
-ENG	

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

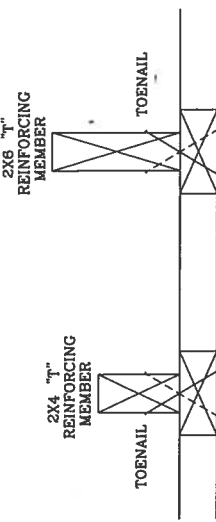
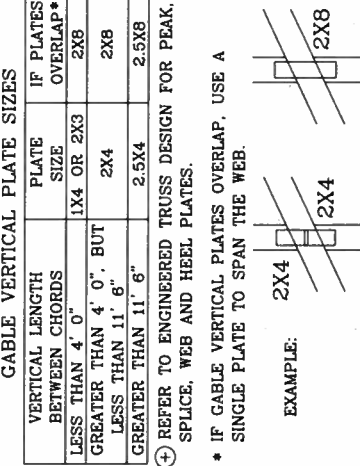
GABLE DETAIL FOR LET-IN VERTICALS

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: 2X4 2X8



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.

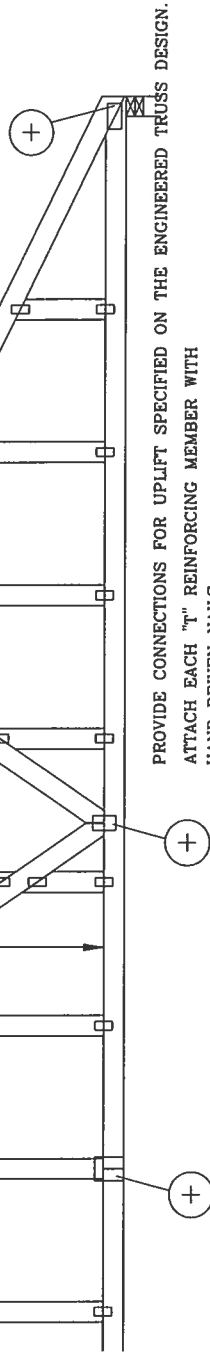
MAXIMUM ALLOWABLE "T" REINFORCED GABLE VERTICAL LENGTH IS 14' FROM TOP TO BOTTOM CHORD.

WEB LENGTH INCREASE W/ "T" BRACE

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

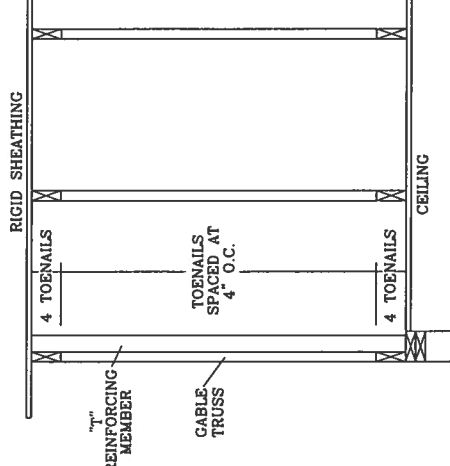
ATTACH EACH "T" REINFORCING MEMBER WITH
HAND DRIVEN NAILS:
10d COMMON (0.148" X 3.5" MIN) TOENAILS AT 4" O.C. PLUS
(4) 16d COMMON (0.162" X 3.5" MIN) TOENAILS IN TOP AND BOTTOM CHORD.

GUN DRIVEN NAILS:
8d COMMON (0.131" X 2.5" MIN) 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.

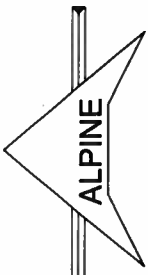
ASCE 7-93 GABLE DETAIL DRAWINGS
A11015EN1103, A10015EN1103, A09015EN1103, A07015EN1103
A1030EN1103, A10030EN1103, A09030EN1103, A07030EN1103
ASCE 7-98 GABLE DETAIL DRAWINGS
A13015EC1103, A12015EC1103, A11015EC1103, A08515EC1103
A13030EC1103, A12030EC1103, A11030EC1103, A08530EC1103
ASCE 7-02 GABLE DETAIL DRAWINGS
A13015EE0405, A12015EE0405, A11015EE0405, A08515EE0405,
A13030EE0405, A12030EE0405, A11030EE0405, A08530EE0405

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



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND
BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS
PLATE INSTITUTE, 583 D'ONDRE 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
ESSENTIAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO
BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING &
BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC;
BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W/H/S/K) ASTM A653 GRADE
40/60 (W/H/S/K) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED
OR PER SPEC, TO TOP AND BOTTOM CHORDS. ANY INSPECTION OF PLATES FOLLOWED BY (C) SHALL
BE PERFORMED BY A LICENSED PROFESSIONAL ENGINEER. THE DESIGN OF THE TRUSS COMPONENT DESIGN SHALL
BE THE RESPONSIBILITY OF THE BUILDING DESIGNER. THE RESPONSIBILITY OF THE BUILDING
DESIGNER, PER ANSI/TPI 1 SEC. 2.



ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

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