

DATE 04/09/2007

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000025706

APPLICANT RICK WINDENBURG PHONE 386.965.2775
ADDRESS POB 434 FT. WHITE FL 32038
OWNER RICK WINDENBURG & SHIRLEY HENDRICKSON PHONE 386.965.2775
ADDRESS 387 SW SPAULDING COURT FT. WHITE FL 32038
CONTRACTOR RICK WINDENBURG PHONE 386.965.2775
LOCATION OF PROPERTY 47-S TO HERLONG,TR TO SPAULDING CT,TL TO DEAD END & GATE IS ON THE L.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 126600.00
HEATED FLOOR AREA 2532.00 TOTAL AREA 3961.00 HEIGHT 22.00 STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 6'12 FLOOR CONC
LAND USE & ZONING A-3 MAX. HEIGHT 35
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00
NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO. _____

PARCEL ID 09-6S-16-03804-108 SUBDIVISION DOE RUN UNREC
LOT 8 BLOCK _____ PHASE _____ UNIT _____ TOTAL ACRES 10.00

Culvert Permit No. _____ Culvert Waiver _____ Contractor's License Number _____
EXISTING 06-1055 BLK JTH Y
Driveway Connection _____ Septic Tank Number _____ LU & Zoning checked by _____ Approved for Issuance _____ New Resident _____

COMMENTS: 1 FOOT ABOVE ROAD.

Check # or Cash 3026

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$ 635.00 CERTIFICATION FEE \$ 19.80 SURCHARGE FEE \$ 19.80
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 749.60
INSPECTORS OFFICE COA 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

For Office Use Only Application # 0701-31 Date Received 1/9 By JW Permit # 25706
 Application Approved by - Zoning Official BZK Date 12.01.07 Plans Examiner OK JTH Date 2-15-07
 Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3

Comments _____

☒ NOC ☒ EH ☒ Deed or PA ☒ Site Plan

☒ State Road Info ☒ Parent Parcel # ☒ Development Permit

Name Authorized Person Signing Permit Shirley Hendrickson Rick Windenburg Fax N/A Phone 386-965-2775 Rick

Address 387 SW Spaulding Crt, Fort White 32038 [Mailing] PO Box 434, Ft White

Owners Name Rick Windenburg + Shirley Hendrickson Phone 386-965-3156 32038

911 Address 387 SW Spaulding Crt, Ft. White, FL 32038 SHIRLEY'S CELL

Contractors Name Owner- Rick Windenburg Phone 386-965-2775

Address 387 SW Spaulding Ft White 32038

Fee Simple Owner Name & Address _____

Bonding Co. Name & Address none

Architect/Engineer Name & Address Marty Humphries, 7932 240th St O'Brien 32071

Mortgage Lenders Name & Address none

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

Property ID Number 09-65-16-03804-108 Estimated Cost of Construction \$175,000

Subdivision Name Doe Run Lot 8 Block _____ Unit _____ Phase _____

Driving Directions SW SR 47 to SW HERLONG ST, go west to
SW Spaulding Crt, go South to 387 at end of Spaulding Crt to The
right + thru gate (DEAD END) - GATE ON LEFT

Type of Construction New SFD Number of Existing Dwellings on Property 0

Total Acreage 10 Lot Size 10a Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front West 212' Side N=95' Side So. = 205' Rear East = 760'

Total Building Height 22' Number of Stories 1 Heated Floor Area 2532 Roof Pitch 6:12
 TOTAL 3961

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 Authorized Person by Notarized Letter

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 8th day of January 2007

Personally known _____ or Produced Identification ☒

DL W535 721 58 0950

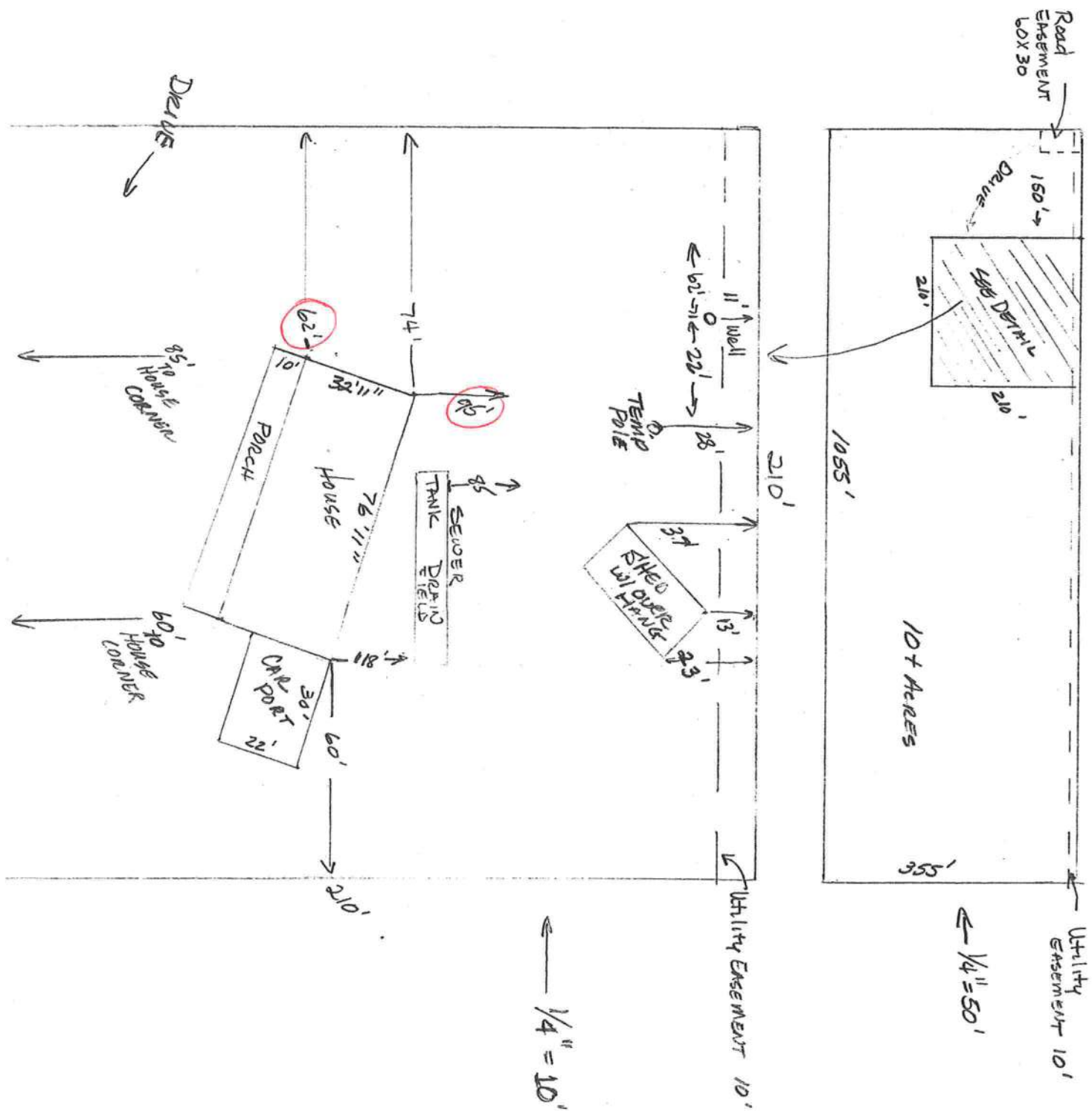


Contractor Signature _____
 Contractors License Number _____
 Competency Card Number _____
 NOTARY STAMP/SEAL

Loretta S. Russ

Notary Signature

(Revised Sept. 2006)



WINDENBURG / HENDRICKSON

NOTORIZED DISCLOSURE STATEMENT

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

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed \$75,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F.I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

TYPE OF CONSTRUCTION

- ☒ Single Family Dwelling
☐ Farm Outbuilding

- ☐ Two-Family Residence
☐ Other _____

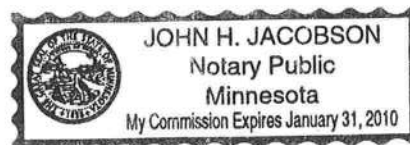
NEW CONSTRUCTION OR IMPROVEMENT

- ☒ New Construction

- ☐ Addition, Alteration, Modification or other Improvement

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

Rick Windenburg
Owner Builder Signature Date 12/14/06



The above signer is personally known to me or produced identification drivers license

Notary Signature *John H. Jacobson* Date Dec. 14-2006 (Stamp / Seal)

FOR BUILDING USE ONLY

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

Date _____ Building Official/Representative _____

This Instrument Prepared by & return to:
Name: JOYCE KIRPACH, an employee of
TITLE OFFICES, LLC
Address: 1089 SW MAIN BLVD.
LAKE CITY, FLORIDA 32025
File No. 06Y-02091JK

Inst:2006006688 Date:03/17/2006 Time:16:08
Doc Stamp-Deed : 696.50
D.C., P. DeWitt Cason, Columbia County B:1077 P:2050

Parcel I.D. #: 03804-108

SPACE ABOVE THIS LINE FOR PROCESSING DATA

SPACE ABOVE THIS LINE FOR RECORDING DATA

THIS WARRANTY DEED Made the 15th day of March, A.D. 2006, by

**SCOTT RUSSELL and ELLEN L. RUSSELL, HIS WIFE, hereinafter called the grantors, to
SHIRLEY J. HENDRICKSON and RICK A. WINDENBURG, HER HUSBAND**

whose post office address is 3200 NORTH SHORE DRIVE, WAYZATA, MN 55391, hereinafter called the grantees:

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

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

Lot 8

Part of the NW¼ of Section 9, Township 6 South, Range 16 East, Columbia County, Florida, more particularly described as follows: Commence at the NW corner of said NW¼; thence S 00°37'13"East, along the West line of said NW¼, a distance of 540.00 feet; thence N 88°40'57"East, 545.00 feet; thence S 00°37'13" East, 658.39 feet; thence N 88°41'01"East 1054.02 feet to the Point of Beginning; thence N 88°41'01"East, 1054.02 feet to a point on the East line of said NW¼; thence S 00°29'08"East along said East line, 414.40 feet; thence S 88°41'00" West, 1053.53 feet; thence N 00°33'10"West, 414.40 feet to the Point of Beginning. SUBJECT TO an easement for ingress and egress over and across the West 30.00 feet of the North 60 feet, more or less, of the above described parcel.

TOGETHER WITH an easement for ingress and egress 30.00 feet left and 30.00 feet right of the following described centerline:

Part of the NW¼ of Section 9, Township 6 South, Range 16 East, Columbia County, Florida, more particularly described as follows: Commence at the NW corner of said NW¼; thence S 00°37'13"East, along the West line of said NW¼, a distance of 540.00 feet; thence N 88°40'57"East, 26.00 feet to a point on the Easterly maintained right of way line of Lazy Oak Road; thence N 00°36'25"East along said right of way line, 498.58 feet; thence N 51°23'57"East, still along said right of way line, 48.13 feet to a point on the Southerly maintained right of way line of Herlong Road; thence N 89°10'18"East along said Southerly line, 686.20 feet; thence N 89°45'03"East, still along said South right of way line, 574.03 feet to the Point of Beginning of the aforementioned centerline; thence S 00°58'24"East, 753.84 feet; thence N 88°41'03"East, 259.94 feet; thence S 00°33'10"East, 475.46 feet to the point of termination of said centerline. The side lines of the above described easement are to be lengthened or shortened as necessary to provide a 60 foot wide continuous corridor for ingress and egress from the South right of way line of Herlong Road to the Point of Termination described above.

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 grantors hereby covenant with said grantees that they are lawfully seized of said land in fee simple; that they have good right and lawful authority to sell and convey said land, and hereby fully warrant 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, 2006.

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

Signed, sealed and delivered in the presence of:

[Signature]
Witness Signature
PETER G. ROCHA

Printed Name

[Signature]
Witness Signature
TERRY C. SPEARO

Printed Name

[Signature] L.S.
SCOTT RUSSELL

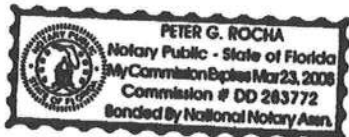
Address:
15811 N WIND CIRCLE, SUNRISE, FL 33326

[Signature] L.S.
ELLEN L. RUSSELL

Address:
15811 N WIND CIRCLE, SUNRISE, FL 33326

STATE OF FLORIDA
COUNTY OF BROWARD

The foregoing instrument was acknowledged before me this 14 day of March, 2006, by
SCOTT RUSSELL and ELLEN L. RUSSELL, [who are known to me] or who have produced
_____ as identification.



[Signature]
Notary Public
My commission expires MARCH 23, 2008

Inst:2006006688 Date:03/17/2006 Time:16:08
Doc Stamp-Deed : 696.50
DC,P.Dewitt Cason,Columbia County B:1077 P:2051

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.

IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Tax Parcel ID Number 09-65-16-03804-108 Permit Number 25706

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

387 SW SPAULDING COURT
LOT 8 DOE RUN S.D. UNREF.

2. General description of improvement: SFD - NEW CONSTRUCTION

387 SW SPAULDING COURT Ft White FL 32038

3. Owner Name & Address Rick A Windenburg & Shirley Henderson
Interest in Property 100 %

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

5. Contractor Name OWNERS - Rick A Windenburg Phone Number 386-965-2775

Address 387 SW SPAULDING COURT, Ft White FL

6. Surety Holders Name PO Box 4134, Ft White Phone Number
Address FL 32038

Amount of Bond

7. Lender Name Inst: 2007007895 Date: 04/09/2007 Time: 10:56
S.F. DC, P. DeWitt Cason, Columbia County B: 1115 P: 2349
Address

8. Persons within the State of Florida designated by
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 Lien 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) _____

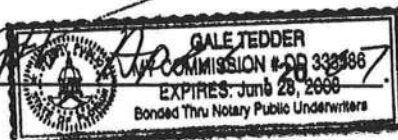
THE OWNER MUST SIGN THE NOTICE OF COMMENCEMENT AND NO ONE ELSE MAY BE PERMITTED TO SIGN IN HIS/HER STEAD.

Rick A Windenburg
Signature of Owner

Sworn to (or affirmed) and subscribed before day of _____

Gale Tedder
Signature of Notary

NOTARY STAMP/SEAL



FL IN 535-74-58-095-0

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787

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

Addressing Maintenance

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

DATE REQUESTED: 11/28/2006 DATE ISSUED: 12/13/2006

ENHANCED 9-1-1 ADDRESS:

387 SW SPAULDING CT

FORT WHITE FL 32038

PROPERTY APPRAISER PARCEL NUMBER:

09-6S-16-03804-108

Remarks:

LOCATED ON LOT 8 DOE RUN S/D UNREC

Address Issued By: _____


Columbia County 9-1-1 Addressing / GIS Department

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

521

COLUMBIA COUNTY
9-1-1 ADDRESSING
APPROVED

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	HENDRICKSON RESIDENCE	Builder:	HENDRICKSON/WINDENBURG
Address:		Permitting Office:	COLUMBIA COUNTY
City, State:		Permit Number:	25706
Owner:	HENDRICKSON/WINDENBURG	Jurisdiction Number:	206006
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 60.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	2532 ft²	13. Heating systems	
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		a. PTHP	Cap: 60.0 kBtu/hr
a. U-factor: Description Area			COP: 3.50
(or Single or Double DEFAULT) 7a. (Dble Default) 374.0 ft²		b. N/A	
b. SHGC:		c. N/A	
(or Clear or Tint DEFAULT) 7b. (Clear) 374.0 ft²		14. Hot water systems	
8. Floor types		a. Electric Resistance	Cap: 50.0 gallons
a. Raised Wood, Adjacent	R=19.0, 220.0ft²		EF: 0.93
b. N/A		b. N/A	
c. N/A		c. Conservation credits	
9. Wall types		(HR-Heat recovery, Solar	
a. Frame, Wood, Exterior	R=17.5, 1564.0 ft²	DHP-Dedicated heat pump)	
b. Frame, Wood, Adjacent	R=17.5, 198.0 ft²	15. HVAC credits	
c. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
d. N/A		HF-Whole house fan,	
e. N/A		PT-Programmable Thermostat,	
10. Ceiling types		MZ-C-Multizone cooling,	
a. Under Attic	R=30.0, 2531.8 ft²	MZ-H-Multizone heating)	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 66.0 ft		
b. N/A			

Glass/Floor Area: 0.15

Total as-built points: 27215

Total base points: 36296

PASS

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

PREPARED BY: Larry Resmundo etc

DATE: 1-9-2007

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

OWNER/AGENT: Rubén

DATE: 1-9-2007

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

BUILDING OFFICIAL: _____

DATE: _____



¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT								
GLASS TYPES												
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points				
.18	2532.0	20.04	9133.4	Double, Clear	S	10.0	6.0	90.0	35.87	0.46	1491.6	
				Double, Clear	E	1.5	6.0	30.0	42.06	0.91	1151.8	
				Double, Clear	N	1.5	4.0	6.0	19.20	0.88	101.3	
				Double, Clear	N	1.5	8.0	21.0	19.20	0.97	389.5	
				Double, Clear	S	10.0	8.0	42.0	35.87	0.49	737.4	
				Double, Clear	S	10.0	6.0	40.0	35.87	0.46	662.9	
				Double, Clear	W	1.5	6.0	30.0	38.52	0.91	1055.6	
				Double, Clear	S	10.0	5.0	32.0	35.87	0.45	517.8	
				Double, Clear	N	1.5	6.0	70.0	19.20	0.94	1261.6	
				Double, Clear	S	10.0	8.0	7.0	35.87	0.49	122.9	
				Double, Clear	N	1.5	2.0	6.0	19.20	0.76	87.2	
				As-Built Total:			374.0			7579.5		
WALL TYPES				Area X BSPM = Points		Type	R-Value		Area X SPM = Points			
Adjacent	198.0	0.70	138.6	Frame, Wood, Exterior		17.5		1564.0	1.05		1642.2	
Exterior	1564.0	1.70	2658.8	Frame, Wood, Adjacent		17.5		198.0	0.45		89.1	
Base Total:		1762.0	2797.4	As-Built Total:				1762.0	1731.3			
DOOR TYPES				Area X BSPM = Points		Type	Area X SPM = Points					
Adjacent	21.0	2.40	50.4	Exterior Wood				42.0	6.10		256.2	
Exterior	42.0	6.10	256.2	Adjacent Wood				21.0	2.40		50.4	
Base Total:		63.0	306.6	As-Built Total:				63.0	306.6			
CEILING TYPES				Area X BSPM = Points		Type	R-Value		Area X SPM X SCM = Points			
Under Attic	2531.8	1.73	4380.0	Under Attic		30.0		2531.8	1.73 X 1.00		4380.0	
Base Total:		2531.8	4380.0	As-Built Total:				2531.8	4380.0			
FLOOR TYPES				Area X BSPM = Points		Type	R-Value		Area X SPM = Points			
Slab	0.0(p)	0.0	0.0	Raised Wood, Adjacent		19.0		220.0	0.40		88.0	
Raised	220.0	-3.99	-877.8									
Base Total:			-877.8	As-Built Total:				220.0	88.0			
INFILTRATION				Area X BSPM = Points		Area X SPM = Points						
	2532.0	10.21	25851.7							2532.0	10.21	25851.7

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 41591.4				Summer As-Built Points: 39937.1						
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points
41591.4	0.4266		17742.9	(sys 1: Central Unit 60000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS) 39937 1.00 (1.09 x 1.147 x 0.91) 0.263 1.000 11928.9 39937.1 1.00 1.138 0.263 1.000 11928.9						

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	2532.0	12.74	5806.4	Double, Clear	S	10.0	6.0	90.0	13.30	3.40	4073.3
				Double, Clear	E	1.5	6.0	30.0	18.79	1.04	583.8
				Double, Clear	N	1.5	4.0	6.0	24.58	1.01	148.4
				Double, Clear	N	1.5	8.0	21.0	24.58	1.00	516.6
				Double, Clear	S	10.0	8.0	42.0	13.30	3.09	1723.8
				Double, Clear	S	10.0	6.0	40.0	13.30	3.40	1810.4
				Double, Clear	W	1.5	6.0	30.0	20.73	1.02	636.4
				Double, Clear	S	10.0	5.0	32.0	13.30	3.51	1491.6
				Double, Clear	N	1.5	6.0	70.0	24.58	1.00	1724.6
				Double, Clear	S	10.0	8.0	7.0	13.30	3.09	287.3
				Double, Clear	N	1.5	2.0	6.0	24.58	1.01	149.6
				As-Built Total:				374.0	13145.7		
WALL TYPES				Area X BWPM = Points		Type	R-Value	Area X WPM = Points			
Adjacent	198.0	3.60	712.8			Frame, Wood, Exterior	17.5	1564.0	2.50	3910.0	
Exterior	1564.0	3.70	5786.8			Frame, Wood, Adjacent	17.5	198.0	2.47	490.0	
Base Total:		1762.0	6499.6	As-Built Total:				1762.0	4400.0		
DOOR TYPES				Area X BWPM = Points		Type		Area X WPM = Points			
Adjacent	21.0	11.50	241.5			Exterior Wood		42.0	12.30	516.6	
Exterior	42.0	12.30	516.6			Adjacent Wood		21.0	11.50	241.5	
Base Total:		63.0	758.1	As-Built Total:				63.0	758.1		
CEILING TYPES				Area X BWPM = Points		Type	R-Value	Area X WPM X WCM = Points			
Under Attic	2531.8	2.05	5190.2			Under Attic	30.0	2531.8	2.05 X 1.00	5190.2	
Base Total:		2531.8	5190.2	As-Built Total:				2531.8	5190.2		
FLOOR TYPES				Area X BWPM = Points		Type	R-Value	Area X WPM = Points			
Slab	0.0(p)	0.0	0.0			Raised Wood, Adjacent	19.0	220.0	2.20	484.0	
Raised	220.0	0.96	211.2								
Base Total:		211.2	211.2	As-Built Total:				220.0	484.0		
INFILTRATION				Area X BWPM = Points				Area X WPM = Points			
		2532.0	-0.59	-1493.9				2532.0	-0.59	-1493.9	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
Winter Base Points: 16971.6				Winter As-Built Points: 22484.2						
Total Winter Points	X System Multiplier	= Heating Points		Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points	
16971.6	0.6274	10648.0		(sys 1: PTHP 60000 btuh ,EFF(3.5) Ducts:Unc(S),Unc(R),Int(AH),R6.0 22484.2 1.000 (1.069 x 1.169 x 0.93) 0.286 1.000 7465.9 22484.2 1.00 1.162 0.286 1.000 7465.9						

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING				Tank	EF	Number of	X	Tank	X
Number of	X	Multiplier	=	Volume		Bedrooms		Ratio	Multiplier
Bedrooms			Total						= Total
3		2635.00	7905.0	50.0	0.93	3		1.00	2606.67
									1.00
									7820.0
				As-Built Total:					7820.0

CODE COMPLIANCE STATUS

BASE					AS-BUILT				
Cooling	+	Heating	+	Hot Water	=	Total	Cooling	+	Heating
Points		Points		Points		Points	Points		Points
17743		10648		7905		36296	11929		7466
									7820
									27215

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.2

The higher the score, the more efficient the home.

HENDRICKSON/WINDENBURG, . . .

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 60.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 13.00
4. Number of Bedrooms	3	___	b. N/A	___
5. Is this a worst case?	No	___	c. N/A	___
6. Conditioned floor area (ft ²)	2532 ft ²	___		___
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		___	13. Heating systems	
a. U-factor:	Description Area	___	a. PTHP	Cap: 60.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 374.0 ft ²	___		COP: 3.50
b. SHGC:		___	b. N/A	___
(or Clear or Tint DEFAULT)	7b. (Clear) 374.0 ft ²	___	c. N/A	___
8. Floor types		___		___
a. Raised Wood, Adjacent	R=19.0, 220.0ft ²	___	14. Hot water systems	
b. N/A	___	___	a. Electric Resistance	Cap: 50.0 gallons
c. N/A	___	___		EF: 0.93
9. Wall types		___	b. N/A	___
a. Frame, Wood, Exterior	R=17.5, 1564.0 ft ²	___	c. Conservation credits	___
b. Frame, Wood, Adjacent	R=17.5, 198.0 ft ²	___	(HR-Heat recovery, Solar	___
c. N/A	___	___	DHP-Dedicated heat pump)	___
d. N/A	___	___	15. HVAC credits	___
e. N/A	___	___	(CF-Ceiling fan, CV-Cross ventilation,	___
10. Ceiling types		___	HF-Whole house fan,	___
a. Under Attic	R=30.0, 2531.8 ft ²	___	PT-Programmable Thermostat,	___
b. N/A	___	___	MZ-C-Multizone cooling,	___
c. N/A	___	___	MZ-H-Multizone heating)	___
11. Ducts		___		___
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 66.0 ft	___		___
b. N/A	___	___		___

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

Builder Signature: R. Hendrickson Date: 1-9-2007

Address of New Home: 387 SW Spaulding City/FL Zip: FT WHITE 32038



*NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStarTM designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLRCSB v4.0)

1024.07' (FIELD)

N.88°41'01"E. 1054.41' (CALC.)
1054.02' (DEED)

N.00°15'39"W.
60.06' (FIELD)

N.88°26'17"E.
29.99' (FIELD)

354.91' (FIELD)

N.00°35'49"W. 415.09' (CALC.)
N.00°33'10"W. 414.40' (DEED)

NO
IMPROVEMENTS
LOCATED
10.03 Acres, ±

S.88°41'00"W. 1053.53' (DEED)
S.88°38'39"W. 1053.50' (FIELD)

S.00°29'08"E. 414.40' (DEED)

DN:

RESPONSIBLE CHARGE AND MEETS THE MINIMUM
OF PROFESSIONAL SURVEYORS AND MAPPERS
TO SECTION 472.027, FLORIDA STATUTES.

Scott Britt
SCOTT BRITT, P.S.M.
CERTIFICATION # 5757

SEAL OF A FLORIDA LICENSED SURVEYOR AND
ALL PURPOSES ONLY AND IS NOT VALID



BRITT SURVEYING
LAND SURVEYORS AND MAPPERS

830 WEST DUVAL STREET
LAKE CITY, FLORIDA 32055

TELEPHONE: (386) 752-7163 FAX: (386) 752-5573

WORK ORDER # L-17782

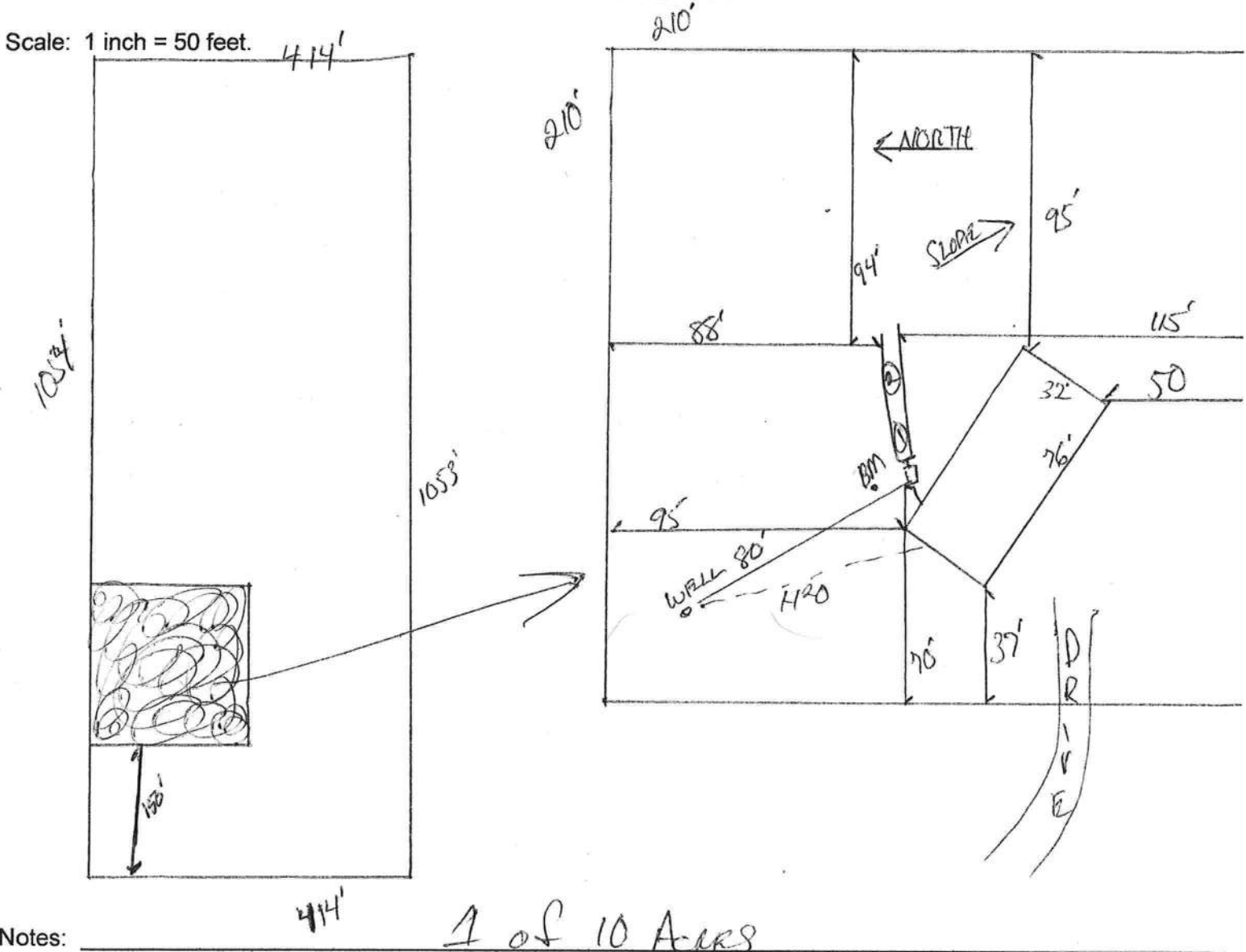
WINDENBURG / HENDRICKSON

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

Permit Application Number 06-1055

----- PART II - SITEPLAN -----

Scale: 1 inch = 50 feet.



Notes: 1 of 10 AERS

Site Plan submitted by: Rock D F

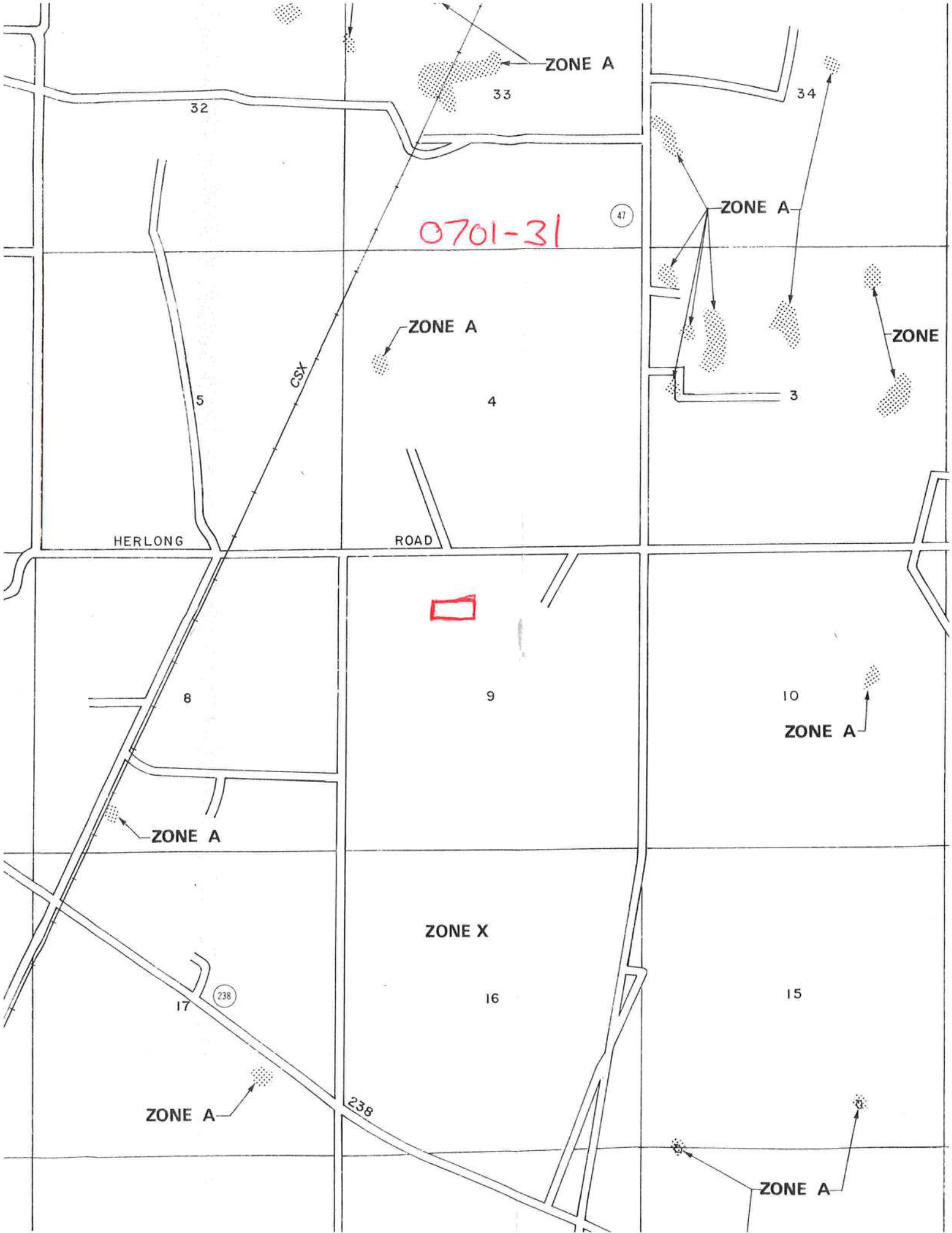
MASTER CONTRACTOR

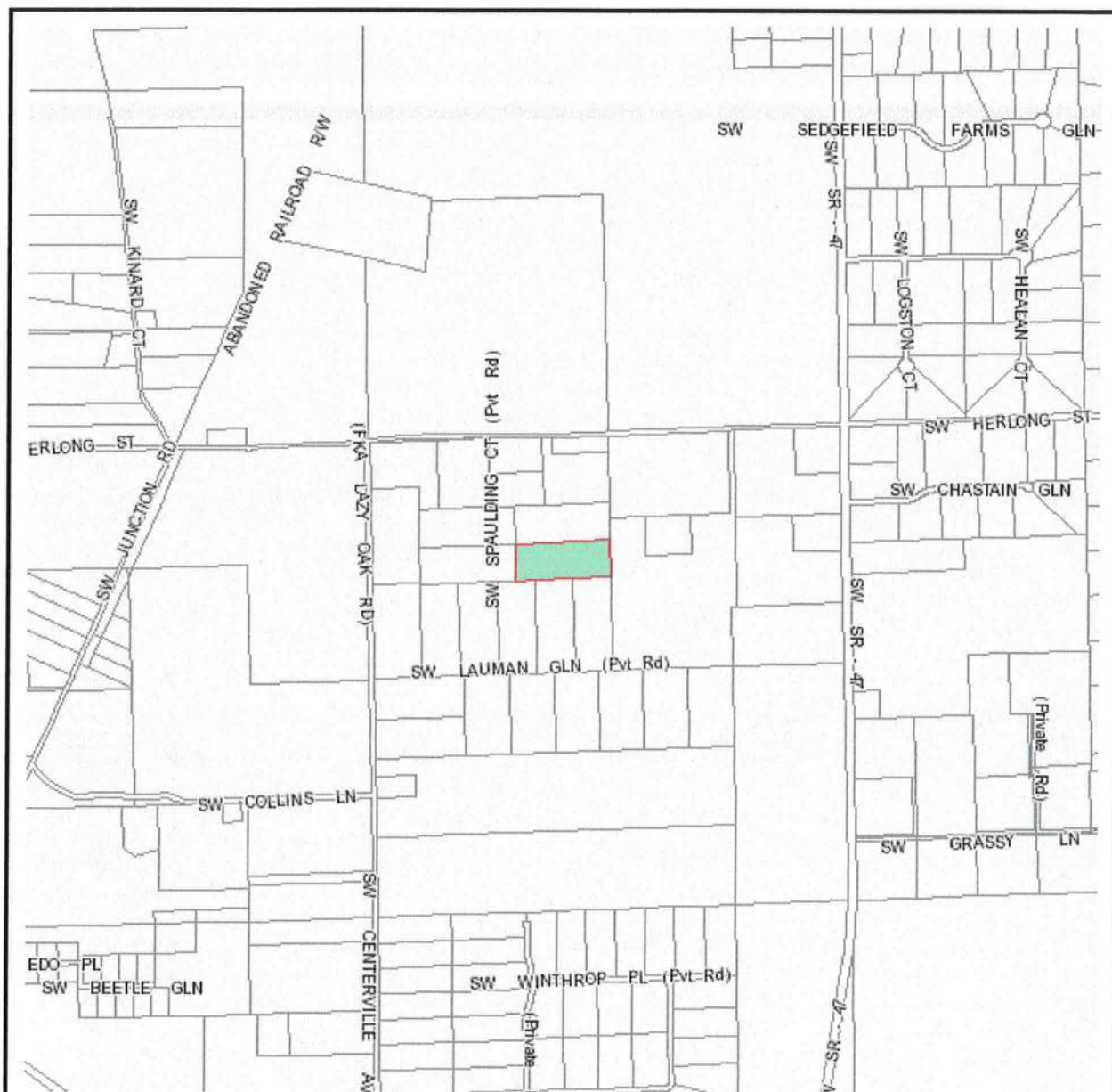
Plan Approved _____ Not Approved _____

Date 12/5/6

By Mahar & Darden Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT





Columbia County Property Appraiser

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

PARCEL: 09-6S-16-03804-108 - NO AG ACRE (009900)

Name: HENDRICKSON SHIRLEY J &	LandVal	\$64,128.00
Site: LOT 8 DOE RUN S/D UNREC	BldgVal	\$0.00
RICK A WINDENBURG	ApprVal	\$64,128.00
Mail: P O BOX 51	JustVal	\$64,128.00
CRYSTAL BAY, MN 553230051	Assd	\$64,128.00
Sales 3/15/2006 \$99,500.00V / Q	Exmpt	\$0.00
Info 9/26/2003 \$35,000.00V / Q	Taxable	\$64,128.00
10/13/2000 \$29,900.00V / Q		

0 0.1 0.2 0.3 mi

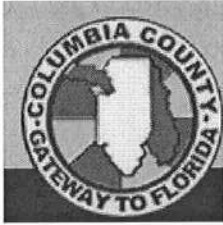


This information, GIS Map Updated: 12/29/2006, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's 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.

MAILED COPY

TO 3200 North Shore Drive WAYZATA, MIN. 55391

ON 1-18-07



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

Reference to a building permit application Number: **0701-31**

Applicant Owner/ builder Rick Windenburg, Property ID 09-6s-16-03804-108

On the date of January 10, 2007 application 0712- 31 and plans for construction of 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.

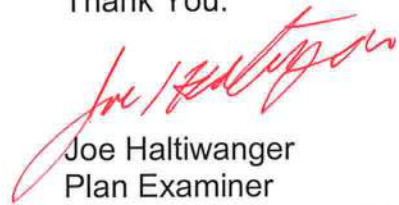
Please include application number 0701-31 and when making reference to this application.

This is a plan review for compliance with the Florida Residential Code 2004 only and doesn't make any consideration toward the land use and zoning requirements.

1. On the foundation plans show a compliance with the Florida residential building code sections R408.1 Ventilation. The under-floor space between the bottom of the floor joists and the earth under any building (except space occupied by a basement or cellar) shall be provided with ventilation openings through foundation walls or exterior walls. The minimum net area of ventilation openings shall not be less than 1 square foot for each 150 square feet (0.67 m2 for each 100 m2) of under-floor space area. One such ventilating opening shall be within 3 feet (914 mm) of each corner of said building.

- 2.** R408.2 Openings for under-floor ventilation. The minimum net area of ventilation openings shall not be less than 1 square foot (0.0929 m²) for each 150 square feet (100 m²) of under-floor space area. One such ventilating opening shall be within 3 feet (914 mm) of each corner of the building. Ventilation openings shall be covered for their height and width with any of the following materials provided that the least dimension of the covering shall not exceed ¼ inch (6.4 mm):
1. Perforated sheet metal plates not less than 0.070 inch (1.8 mm) thick.
 2. Expanded sheet metal plates not less than 0.047 inch (1.2 mm) thick.
 3. Cast iron grills or grating.
 4. Extruded load-bearing brick vents.
 5. Hardware cloth of 0.035 inch (0.89 mm) wire or heavier.
 6. Corrosion-resistant wire mesh, with the least dimension being 1/8 inch (3.2 mm).
- 2.** On the foundation plans show a compliance with the Florida residential building code sections R408.3 Access. Access shall be provided to all under-floor spaces. Access openings through the floor shall be a minimum of 18 inches by 24 inches (457 mm by 610 mm). Openings through a perimeter wall shall be 16 inches by 24 inches (407 mm by 610 mm). When any portion of the through wall access is below grade, an areaway of not less than 16 inches by 24 inches (407 mm by 610 mm) shall be provided. The bottom of the areaway shall be below the threshold of the access opening. Through wall access openings shall not be located under a door to the residence. See M1305.1.4 for access requirements where mechanical equipment is located under floors.
- 3.** On sheet 5 of the plans show the lumber size, type, spacing and attachment method of the porch floor rim joist, floor joist along with the type of flooring decking material.
- 4.** Show the method of how the 2"x8" pt joist will be attached to compose a three ply beam and the attachment method of the three ply beam to the piers and rim joist.
- 5.** The plan requires that the floor joist be engineered I Joist beams manufactured by Georgia Pacific Company. Please provide two sets of the engineered floor truss plans along with the manufacture specification.
- 6.** On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. 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

Building permit application Number: 0701-31

To: Joe Haltiwanger
Plan Examiner
Columbia County

To the letter you sent to me on January 10, 2007 here are the items you need.
For items 1,2 and 4 is on the new page 7.

And for item 3 a new page 5.

For item 5 as we discuss I will get you the engineering from the lumber
yard as soon as we pick out the provider.

For item 6 I will install it next to the meter as we talk about.

Thank -You
Rick Windenburg
Phone (386)-965-2775

A handwritten signature in black ink, appearing to read "Rick Windenburg", with a long, sweeping horizontal stroke extending to the right.

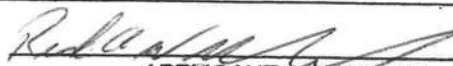
FILE COPY

PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING	TLC	MAXNITE	FL20
B. SLIDING	BETTERBILT	470 ALUM #CTLA-744W	FL 5483.11.2
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	SILVERLINE	SINGLE HUNG 2900	FL 3863-R1
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED	SILVERLINE	2903 FIXED	FL 3861-R1
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING	KAYCAN LTD	Vinyl	FL4905
B. SOFFITS	KAYCAN LTD	SOFFIT	FL 4899
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	ELK CORP	Asphalt SHINGLES	FL5683
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS	SIMPSON	H10, AC4 MAX, ABU 44, SP4, ABU 46 5	FL474
B. WOOD ANCHORS	SIMPSON	SET B24 & HD5A	FL4426 + FL503
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS	SIMPSON	CS18, LSTA18	FL1901
6. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			

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) performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements. Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.


APPLICANT SIGNATURE

1-9-2007
DATE



DUCT SYSTEM SUMMARY

Entire House

LARRY RESMONDO A/C

Job:
HENDRICKSON/WINDENBURG
RESIDENCE 1/9/07

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

For: SHIRLEY HENDRICKSON
FL

External Static Pressure:	HEATING	COOLING
Pressure Losses:	0.10 in H2O	0.10 in H2O
Available Static Pressure:	0.25 in H2O	0.25 in H2O
Friction Rate:	-0.2 in H2O	-0.2 in H2O
Actual AVF:	0.100 in/100ft	0.100 in/100ft
	2000 cfm	2000 cfm

Total Effective Length (TEL): 230 ft

Supply Branch Detail Table

Name	Htg (Btuh)	Clg (Btuh)	Htg (cfm)	Clg (cfm)	Dsn FR	Vel (fpm)	Dia (in)	Rect Sz (in)	Duct Matl	Trnk
WHOLE HOUSE	3738	3824	286	286	0.100	524	10	0x 0	VIFx	st1A
WHOLE HOUSE-A	3734	3820	286	286	0.100	524	10	0x 0	VIFx	st1
WHOLE HOUSE-B	3734	3820	286	286	0.100	524	10	0x 0	VIFx	st1
WHOLE HOUSE-C	3734	3820	286	286	0.100	524	10	0x 0	VIFx	st1
WHOLE HOUSE-D	3734	3820	286	286	0.100	524	10	0x 0	VIFx	st1
WHOLE HOUSE-E	3734	3820	286	286	0.100	524	10	0x 0	VIFx	st1
WHOLE HOUSE-F	3734	3820	286	286	0.100	524	10	0x 0	VIFx	st1B

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Vel (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
st1	Peak AVF	2000	2000	832	21	0 x 0	RectFbg	
st1A	Peak AVF	572	572	728	12	0 x 0	RectFbg	st1
st1B	Peak AVF	286	286	647	9	0 x 0	RectFbg	st1A

Return Branch Detail Table

Name	Diffus Sz (in)	Htg (Btuh)	Clg (Btuh)	Htg (cfm)	Clg (cfm)	Dsn FR	Vel (fpm)	Dia (in)	Rect Sz (in)	Duct Matl	Trunk
rb1	0 x 0	26140	26742	2000	2000	0.100	693	23	0x 0	VIFx	

Bold/italic values have been manually overridden



wrightsoft Right-Suite Residential™ 5.0.28 RSR20824

C:\Documents and Settings\Larry Resmondo\Local Settings\Application Data\Microsoft\CD Burning\HENDR

2007-Jan-09 10:13:06

Page 1



RIGHT-J BUILDING ANALYSIS REPORT

Entire House

LARRY RESMONDO A/C

Job:
HENDRICKSON/WINDENBURG
RESIDENCE 1/9/07

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

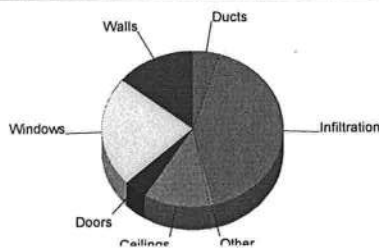
For: SHIRLEY HENDRICKSON
FL

Design Information

	Htg	Clg	Method	Infiltration	Simplified
Outside db (°F)	33	92			Average
Inside db (°F)	70	75	Construction quality		0
Design TD (°F)	37	17	Fireplaces		
Daily range	-	M			
Inside humidity (%)	-	50			
Moisture difference (gr/lb)	-	52			

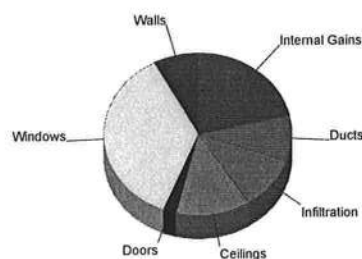
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	2.1	3710	14.2
Windows	16.0	5966	22.8
Doors	17.0	1072	4.1
Ceilings	1.2	3091	11.8
Floors	1.0	212	0.8
Infiltration	24.8	10841	41.5
Ducts		1245	4.8
Total		26136	100.0



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	1.2	2076	7.8
Windows	25.8	9664	36.1
Doors	9.5	597	2.2
Ceilings	1.4	3425	12.8
Floors	0.0	0	0.0
Infiltration	6.5	2846	10.6
Ducts		2431	9.1
Internal gains		5700	21.3
Total		26739	100.0



Cooling at 82 % SHR = 2.7 ton

Cooling at 70 % SHR = 3.1 ton

Cooling air flow = 751 cfm/ton

Cooling at 400 cfm/ton = 5.0 ton

Overall U-Value = 0.079 Btuh/ft²-°F

Data entries checked.



wrightsoft

Right-Suite Residential™ 5.0.28 RSR20824

C:\Documents and Settings\Larry Resmondo\Local Settings\Application Data\Microsoft\CD Burning\HENDR

2007-Jan-09 10:13:06

Page 1



RIGHT-J LOAD AND EQUIPMENT SUMMARY

Entire House

LARRY RESMONDO A/C

Job:
HENDRICKSON/WINDENBURG
RESIDENCE 1/9/07

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

For: SHIRLEY HENDRICKSON
FL

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33 °F
Inside db	70 °F
Design TD	37 °F

Summer Design Conditions

Outside db	92 °F
Inside db	75 °F
Design TD	17 °F
Daily range	M
Relative humidity	50 %
Moisture difference	52 gr/lb

Heating Summary

Building heat loss	26136 Btuh
Ventilation air	0 cfm
Ventilation air loss	0 Btuh
Design heat load	26136 Btuh

Sensible Cooling Equipment Load Sizing

Structure	26739 Btuh
Ventilation	0 Btuh
Design temperature swing	3.0 °F
Use mfg. data	n
Rate/swing multiplier	0.97
Total sens. equip. load	25937 Btuh

Infiltration

Method	Simplified	
Construction quality	Average	
Fireplaces	0	
	Heating	Cooling
Area (ft²)	2532	2532
Volume (ft³)	22786	22786
Air changes/hour	0.7	0.4
Equiv. AVF (cfm)	266	152

Latent Cooling Equipment Load Sizing

Internal gains	690 Btuh
Ventilation	0 Btuh
Infiltration	5336 Btuh
Total latent equip. load	6026 Btuh
Total equipment load	31962 Btuh

Heating Equipment Summary

Make	RUUD AIR COND
Trade	Ruud UPMB Series
UPMB-060JA	
Efficiency	8.0 HSPF
Heating input	0 Btuh
Heating output	0 Btuh
Heating temp rise	0 °F
Actual heating fan	2000 cfm
Heating air flow factor	0.077 cfm/Btuh
Space thermostat	

Cooling Equipment Summary

Make	RUUD AIR COND
Trade	Ruud UPMB Series
UPMB-060JA	
UBHJ-25+RCHJ-61A1	
Efficiency	13.0 SEER
Sensible cooling	37450 Btuh
Latent cooling	16050 Btuh
Total cooling	53500 Btuh
Actual cooling fan	2000 cfm
Cooling air flow factor	0.075 cfm/Btuh
Load sensible heat ratio	82 %

Printout certified by ACCA to meet all requirements of Manual J 7th Ed.



RIGHT-J SHORT FORM Entire House

LARRY RESMONDO A/C

Job:
HENDRICKSON/WINDENBURG
RESIDENCE 1/9/07

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

For: SHIRLEY HENDRICKSON
FL

Design Information

	Htg	Clg	Infiltration	Simplified
Outside db (°F)	33	92	Method	Average
Inside db (°F)	70	75	Construction quality	0
Design TD (°F)	37	17	Fireplaces	
Daily range	-	M		
Inside humidity (%)	-	50		
Moisture difference (gr/lb)	-	52		

HEATING EQUIPMENT

Make RUUD AIR COND
Trade Ruud UPMB Series
UPMB-060JA

Efficiency 8.0 HSPF
Heating input 0 Btuh
Heating output 0 Btuh
Heating temperature rise 0 °F
Actual heating fan 2000 cfm
Heating air flow factor 0.077 cfm/Btuh

Space thermostat

COOLING EQUIPMENT

Make RUUD AIR COND
Trade Ruud UPMB Series
UPMB-060JA
UBHJ-25+RCHJ-61A1

Efficiency 13.0 SEER
Sensible cooling 37450 Btuh
Latent cooling 16050 Btuh
Total cooling 53500 Btuh
Actual cooling fan 2000 cfm
Cooling air flow factor 0.075 cfm/Btuh

Load sensible heat ratio 82 %

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
WHOLE HOUSE	2532	26136	26739	2000	2000
Entire House	2532	26136	26739	2000	2000
Ventilation air		0	0		
Equip. @ 0.97 RSM			25937		
Latent cooling			6026		
TOTALS	2532	26136	31962	2000	2000

Printout certified by ACCA to meet all requirements of Manual J 7th Ed.



wrightsoft Right-Suite Residential™ 5.0.28 RSR20824

C:\Documents and Settings\Larry Resmondo\Local Settings\Application Data\Microsoft\CD Burning\HENDR

2007-Jan-09 10:13:06

Page 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:1T3U487-Z0108144850

Truss Fabricator: Anderson Truss Company

Job Identification: 7-011--Fill in later RICK & SHIRLEY WINDENBURG -- , **

Truss Count: 5

Model Code: Florida Building Code 2004 and 2006 Supplement

Truss Criteria: ANSI/TPI-2002(STD)/FBC

Engineering Software: Alpine Software, Versions 7.24, 7.25.

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 - 40.0 PSF @ 1.25 Duration

Floor - N/A

Wind - 110 MPH ASCE 7-02 -Closed

Notes:

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

Details: BRCLBSUB-A11015EE-GBLLETIN-



Seal Date: 01/08/2007

-Truss Design Engineer-

Arthur R. Fisher

Florida License Number: 59687

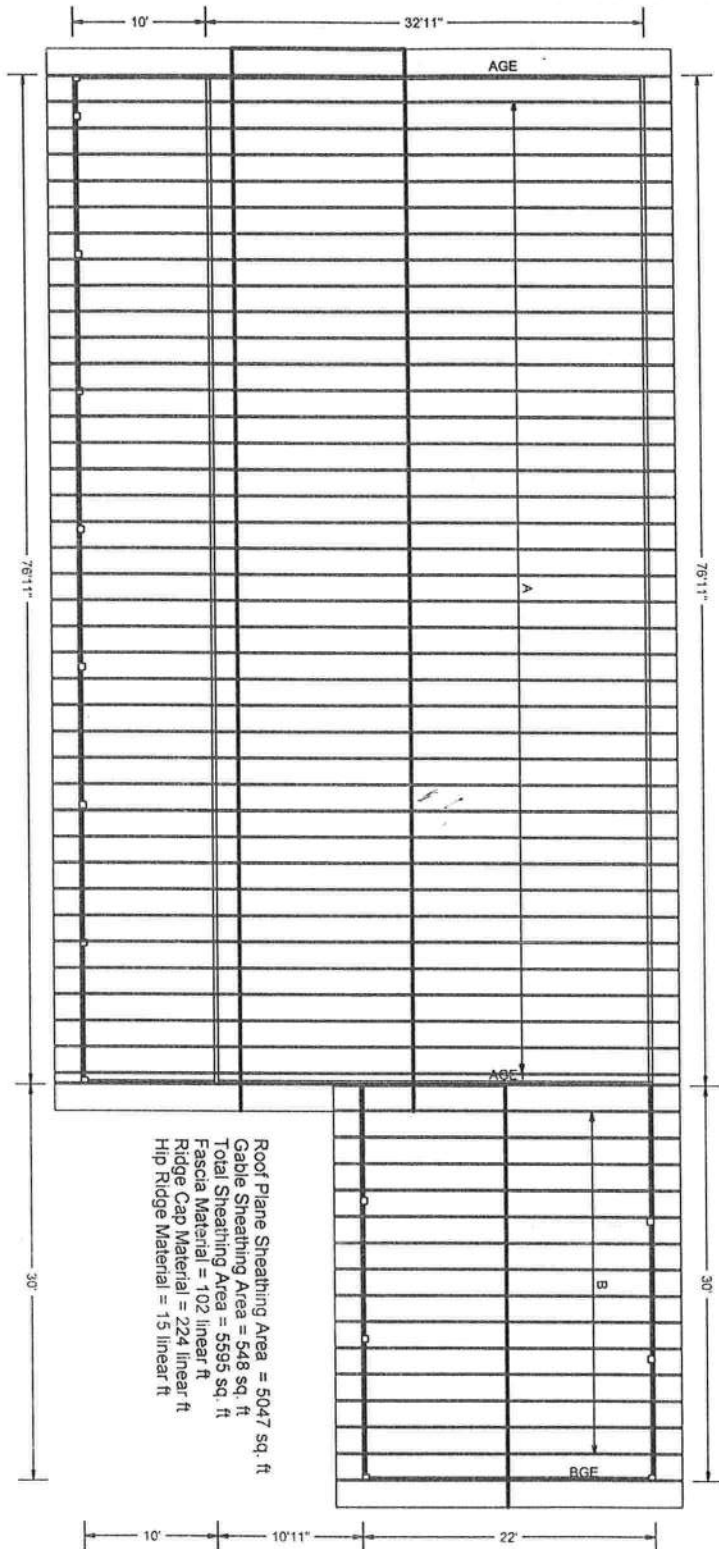
1950 Marley Drive

Haines City, FL 33844

#	Ref	Description	Drawing#	Date
1	35791--A		07008003	01/08/07
2	35792--AGE		07008004	01/08/07
3	35793--AGE1		07008005	01/08/07
4	35794--B		07008006	01/08/07
5	35795--BGE		07008007	01/08/07



RICK & SHIRLEY WINDENBURG 1/08/07



JOB DESCRIPTION:: Fill in later
 / RICK & SHIRLEY WINDENBURG

JOB NO:
 7-011

PAGE NO:
 1 OF 1

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 $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.



FL/-/4/-/E/-/-

Scale = .125"/Ft.

STATE OF
No. 59687
ARTHUR R. FISHER
LICENSE

978-0-13-035297-0



10

[illegible]

10

—

TC LL	20.0 PSF	REF	R487 -- 35/91
TC DL	10.0 PSF	DATE	01/08/07
BC DL	10.0 PSF	DRW	HCSR487 07008003
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SE0N-	12518
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T3U487_201

JRFF- 1T311487_Z01

100

INTO THE PRESENT FROM CONSIDERATION (LAW & ECONOMICS) SUBMITTED BY KENNETH W. K.

(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

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

0
1
2
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9
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Q
R
S
T
U
V
W
X
Y
Z

Stacked top chord must NOT be notched or cut in area (NML).
Dropped top chord braced at 24" o.c. intervals. Attach stacked

top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top

WARNING: Furnish a copy of this DWG to the installation

 $Cq/RT=1.00(1.25)$

FL/-/4/-/E/-/-

Scale = .125"/Ft.

STATE OF
No. 59687

TC LL	20.0 PSF	REF R487 - - 35792
TC DL	10.0 PSF	DATE 01/08/07

Source: *Journal of the American Statistical Association*, 93(463), 1303-1310.

88 '07

SPACING SEE ABOVE

JREF- 1T3U487_Z01

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

Stack Chord SC1 2x4 SP #3::Stack Chord SC2 2x4 SP #3:

gable end supports 8" max rake overhang.

See DWGS A11015EE1106 & GBLLETIN1106 for more requirements.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

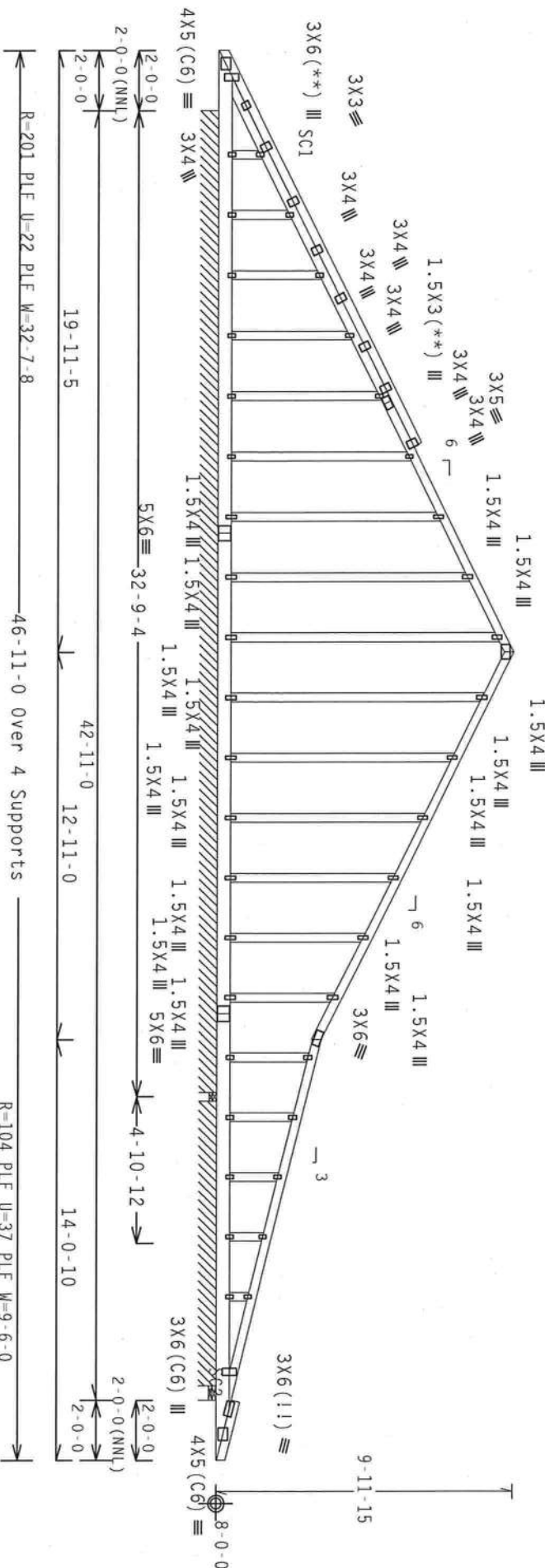
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

(**) 3 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

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.

Stacked top chord must NOT be notched or cut in area (NML).
Dropped top chord braced at 24" o.c. intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.

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.



Note: All Plates Are 1.5X3 Except As Shown.

PLT TYP. Wave

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

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY THE TRUSS ASSOCIATION, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND IBCA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

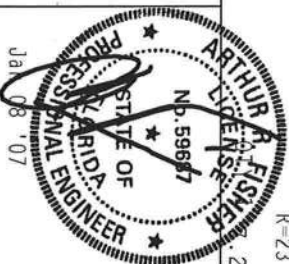
IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE IBCA OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIAA) AND TPI.

CONNECTION PLATES ARE MADE OF 20/18/16GA (N/A/55%) ASH 6063 GRADE 40/60 (N/A/55) GALV. STEEL. APPLY THE SAME TO ALL CONNECTIONS. CONNECTIONS SHALL BE MADE IN ACCORDANCE WITH THE DESIGNER'S SPECIFICATIONS.

THIS DRAWING IS THE PROPERTY OF ALPINE ENGINEERED PRODUCTS, INC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED ON THE DRAWING. ANY OTHER USE OF THIS DRAWING WITHOUT THE WRITTEN PERMISSION OF ALPINE ENGINEERED PRODUCTS, INC. IS PROHIBITED.

THE BUILDING DESIGNER PER AIAA/TPI 1 SEC. 2.



R=23 U=180 W=3.5"

R=104 PLF U=37 PLF W=9-6-0

R=786 U=180 W=6"

Scale = .1875" / Ft.

ALPINE		ALPINE ENGINEERED PRODUCTS, INC.	
Haines City, FL 33844		1990 Haines City, FL 33844	
Professional Engineer		Professional Engineer	
JAN 08 '07		JAN 08 '07	
TC LL	20.0 PSF	REF	R487-- 35793
TC DL	10.0 PSF	DATE	01/08/07
BC DL	10.0 PSF	DRW	HCUSR487 07008005
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEON-	87456 REV
DUR.FAC.	1.25		
SPACING	SEE ABOVE		
		JREF - 1730487_201	


```

:Stack chord SC1 2x4 SP #2 Dense:
:Stack chord SC2 2x4 SP #2 Dense:

```

See DWGS A11015EE1106 & GBLETTIN1106 for more requirements.

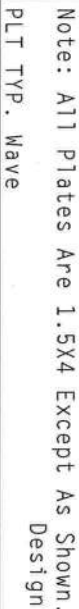
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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.

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.

Stacked top chord must NOT be notched or cut in area (NN1).
Dropped top chord braced at 24" o.c. intervals. Attach stacked
top chord (SC) to dropped top chord in notchable area using 3x4
tie-plates 24" o.c. Center plate on stacked/dropped chord
interface, plate length perpendicular to chord length. Splice top
chord in notchable area using 3x6.

+ Member to be laterally braced for horizontal wind loads. Bracing system to be designed and furnished by others.



TP1-2002(STD)/FBC
Cq/RT=1.00(1.25)

12/15/2011 11:15 AM

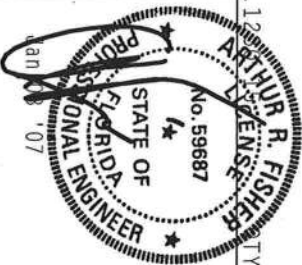
Scale = .25" / Ft.

WARNING**
BESIDES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, UNLOADING AND DRIPPING REFER TO GC31 (TENSILE COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRESS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND UFGA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, MANASSAS, VA 52139 FOR SAFETY PRACTICES RELATIVE TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED 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.

Alpine Engineered Products, Inc.

1950 Marley Drive
Haines City, FL 33844
Certificate #



TC LL	20.0 PSF	REF	R487 - 35795
TC DL	10.0 PSF	DATE	01/08/07
BC DL	10.0 PSF	DRW	HCUSR487 07008007
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN -	12493
DUR.FAC.	1.25		
SPACING	SEE ABOVE	URFF -	1T3U487_201

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.

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

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

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

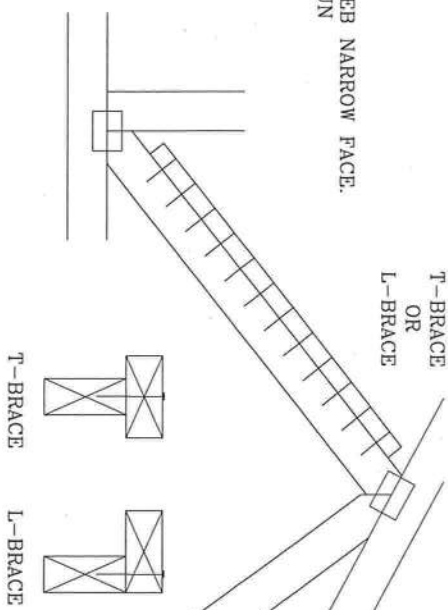
T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

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

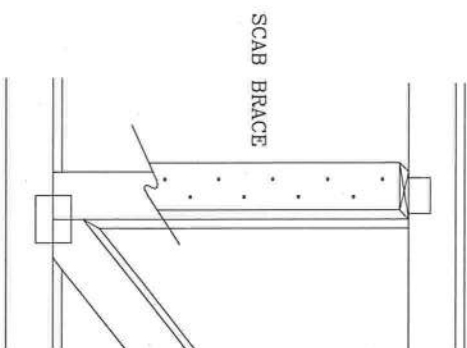


ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

APPLY TO EITHER SIDE OF WEB NARROW FACE
ATTACH WITH 10D BOX OR GUN
(0.128" x 3." MIN) NAILS.
AT 6" O.C. BRACE IS A
MINIMUM 80% OF WEB
MEMBER LENGTH



APPLY SCAB(S) TO WIDE FACE OF WEB
NO MORE THAN (1) SCAB PER FACE.
ATTACH WITH 10d BOX OR GUN
(0.128" x 3", MIN) NAILS.
AT 6" O.C. BRACE IS A MINIMUM
80% OF WEB MEMBER LENGTH

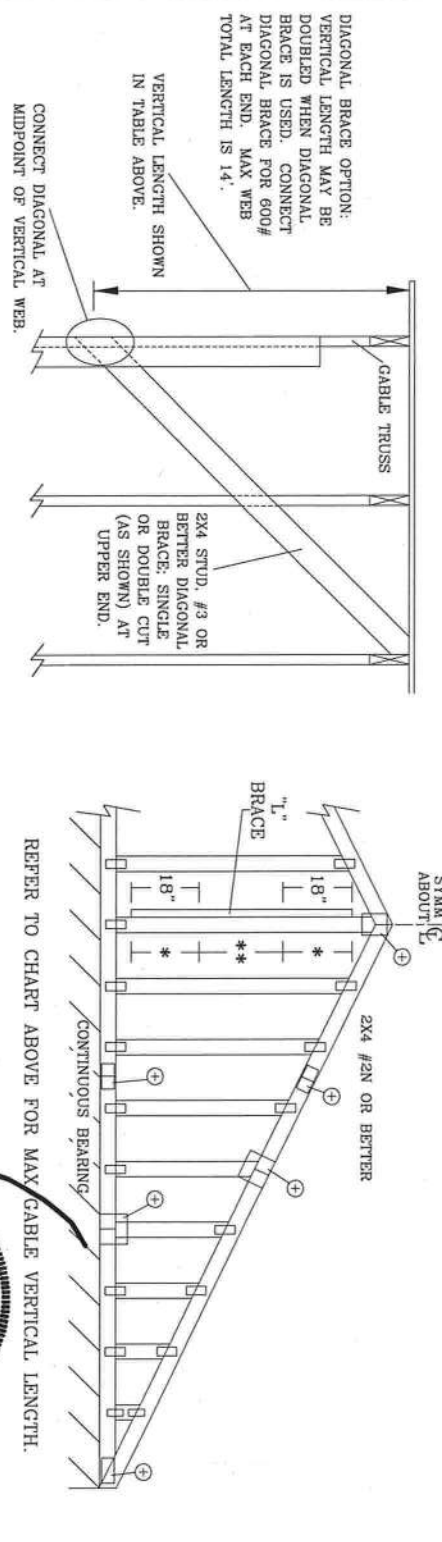


THIS DRAWING REPLACES DRAWING 579,640

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	11/1/06
BC DL	PSF	DRWG	BRCLBSUB1106
BC LL	PSF	- ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			



2x4 GABLE VERTICAL BRACE		NO BRACES		(1) 1x4 "L" BRACE *		(1) 2x4 "L" BRACE *		(2) 2x4 "L" BRACE *		(1) 2x6 "L" BRACE *		(2) 2x6 "L" BRACE **	
SPACING	SPECIES	GRADE	BRACES	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
12" O.C.	SPF	#1 / #2	3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 5"	12' 5"	12' 9"	14' 0"	14' 0"
	SPF	#3	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"
	HF	STUD	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 3"	12' 3"	14' 0"	14' 0"
	SP	STANDARD	4' 3"	6' 8"	6' 8"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
	SP	#1	4' 2"	6' 8"	6' 8"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
16" O.C.	SPF	#1 / #2	4' 0"	6' 2"	6' 2"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 8"	14' 0"	14' 0"
	SPF	#3	4' 0"	6' 2"	6' 2"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 8"	14' 0"	14' 0"
	HF	STUD	4' 0"	6' 2"	6' 2"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 8"	14' 0"	14' 0"
	SP	STANDARD	4' 5"	6' 3"	6' 3"	7' 10"	7' 4"	9' 1"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	#1	4' 4"	6' 4"	6' 4"	7' 4"	7' 4"	9' 1"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
24" O.C.	SPF	#1 / #2	4' 4"	6' 4"	6' 4"	7' 4"	7' 4"	9' 1"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
	SPF	#3	4' 4"	6' 4"	6' 4"	7' 4"	7' 4"	9' 1"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
	HF	STUD	4' 4"	6' 4"	6' 4"	7' 4"	7' 4"	9' 1"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	STANDARD	4' 10"	7' 8"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"
	SP	#1	4' 10"	7' 8"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"



ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF ASC7-02-CAB1015

DATE 11/1/06

DRWG A11015EE1106

ENG

BRACING GROUP SPECIES AND GRADES:			
GROUP A:		GROUP B:	
SPRUCE-PINE-FIR	HEM-FIR	SPRUCE-PINE-FIR	HEM-FIR
#1 / #2 STUD	#2 STUD	#1 / #2 STUD	#2 STUD
#3 STUD	#3 STUD	#3 STUD	#3 STUD
STANDARD	STANDARD	STANDARD	STANDARD

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

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

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

ATTACH EACH "L" BRACE WITH 10d NAILS.

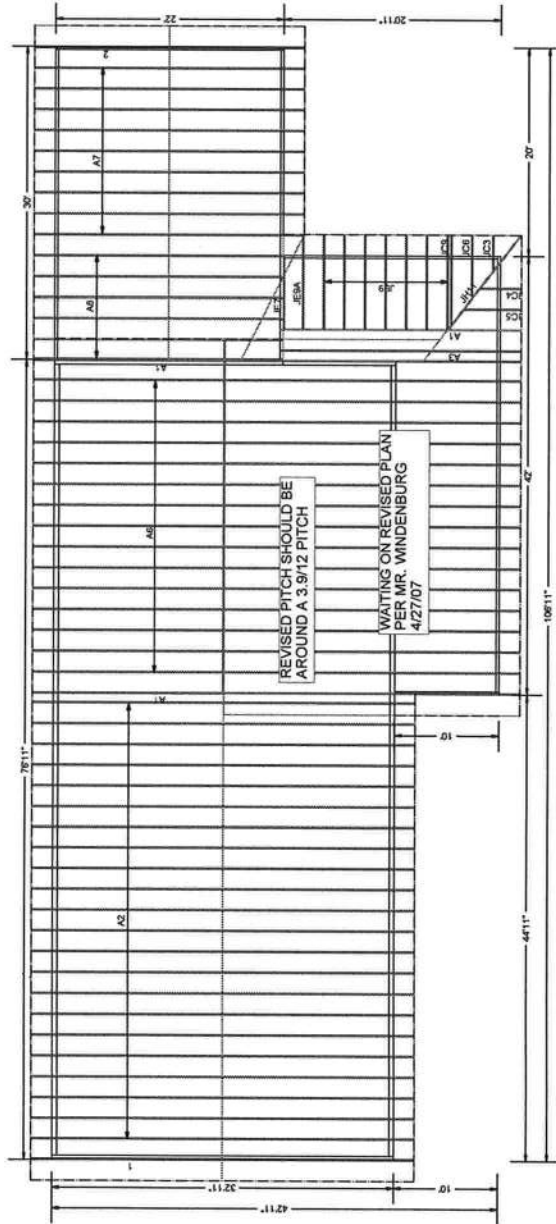
* FOR (1) "L" BRACE: SPACE NAILS AT 2' O.C. IN 18" END ZONES AND 4' O.C. BETWEEN ZONES.

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

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

GABLE VERTICAL PLATE SIZES	
VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1x4 OR 2x3
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2x4
GREATER THAN 11' 6"	2.5x4

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



W/B Howland Truss Co.
P.O. Box 700
Live Oak, FL 32064
(386) 362-1235
(386) 362-7124 (fax)

ROOF PITCH: 3/12 @ 6/12
OVERHANG: 24" CANTILEVER
LOADING: 40 PSF TYPICAL
WIND: 140 MPH
EXT WALLS: 2x6 EXT FRAMING
DATE: 1-5-07

REVISED LAYOUT
4/18/07
ADDED HIP TO
PORCH.

REVISED LAYOUT
5/10/07
(1) CHANGE REAR PITCH
TO 3.9/12 PER CUST.

Roof Plane Sheathing Area = 4839 sq. ft
Gable Sheathing Area = 256 sq. ft
Total Sheathing Area = 5095 sq. ft
Fascia Material = 345 linear ft
Valley Flashing Material = 4 linear ft
Ridge Cap Material = 294 linear ft
Hip Ridge Material = 28 linear ft
Total Material Cost: \$ 0.00
Total Labor Cost: \$ 0.00

Job Name: HENDRICKSON/WINDENBURG RE
Customer: OWNER BUILDER
Designer: Chris McCall

JOB NO:
4510

PAGE NO:
1 OF 1

ITW Building Components Group, 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: IT7C215-Z0714151655

Truss Fabricator: W.B. Howland
Job Identification: 4510-/HENDRICKSON/WINDENBURG RE /OWNER BUILDER -- Columbia County, FL
Truss Count: 18
Model Code: Florida Building Code 2004 and 2006 Supplement
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Versions 7.25, 7.36.
Structural Engineer of Record: The identity of the structural EOR did not exist as of the seal date per section 61G15-31.003(5a) of the FAC
Address:
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-02 -Closed

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR215

Details: A11015EE-GBLLETIN-BRCLBSUB-



Seal Date: 05/14/2007

-Truss Design Engineer-
James F. Collins Jr.
Florida License Number: 52212
1950 Marley Drive
Haines City, FL 33844

#	Ref	Description	Drawing#	Date
1	97520--1		07134115	05/14/07
2	97521--A3		07134116	05/14/07
3	97522--A2		07134117	05/14/07
4	97523--A7		07134118	05/14/07
5	97524--A8		07134119	05/14/07
6	97525--2		07134120	05/14/07
7	97526--A6		07134121	05/14/07
8	97527--A1		07134130	05/14/07
9	97528--JE9A		07134122	05/14/07
10	97529--A1		07134131	05/14/07
11	97530--JE9		07134123	05/14/07
12	97531--JC9		07134124	05/14/07
13	97532--JH11		07134125	05/14/07
14	97533--JC6		07134126	05/14/07
15	97534--JC3		07134127	05/14/07
16	97535--JC4		07134128	05/14/07
17	97536--JC5		07134129	05/14/07
18	97537--JE7		07134114	05/14/07



ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Page 1 of 1 Document ID:1T7C215-Z0714151655

Truss Fabricator: W.B. Howland
Job Identification: 4510-/HENDRICKSON/WINDENBURG RE /OWNER BUILDER -- Columbia County, FL
Truss Count: 3
Model Code: Florida Building Code 2004 and 2006 Supplement
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Versions 7.25, 7.36.
Structural Engineer of Record:
Address:
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-02 -Closed

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR215

Seal Date: 05/14/2007

-Truss Design Engineer-
James F. Collins Jr.
Florida License Number: 52212
1950 Marley Drive
Haines City, FL 33844

Revised Trusses

#	Ref	Description	Drawing#	Date
1	97528--	JE9A	07134122	05/14/07
2	97530--	JE9	07134123	05/14/07
3	97531--	JC9	07134124	05/14/07

ALPINE



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

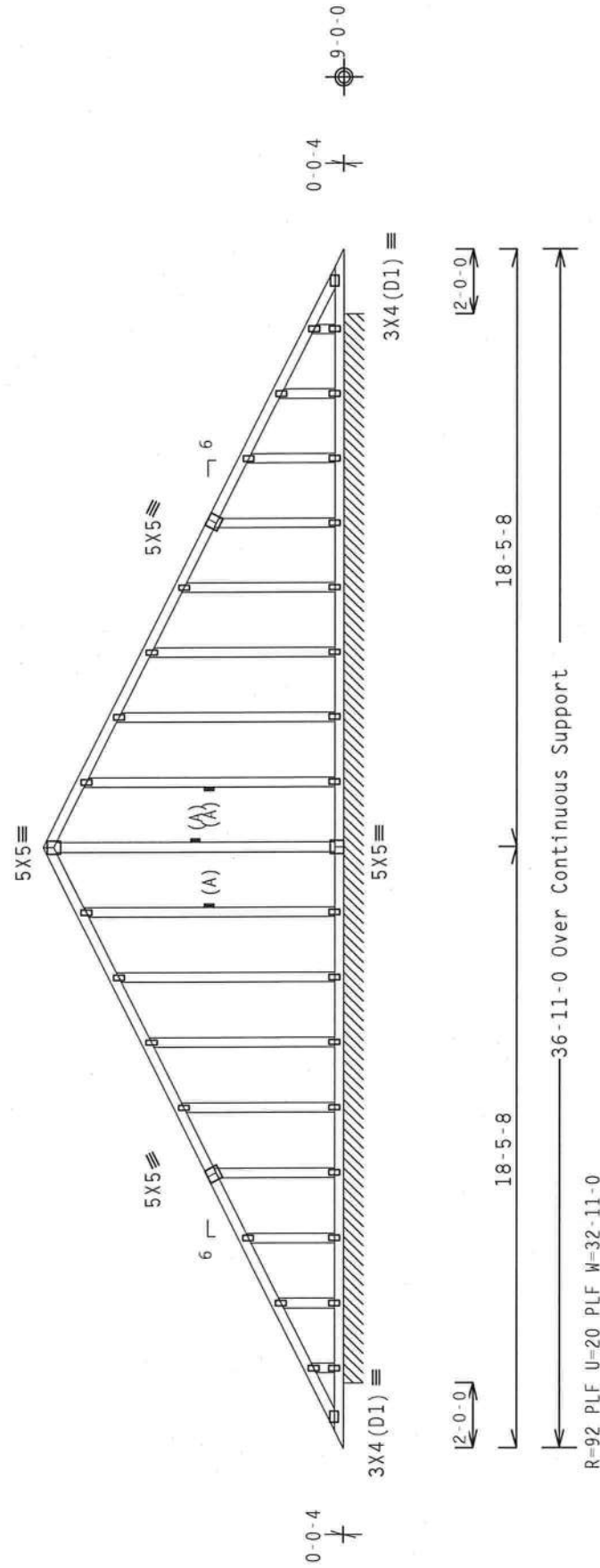
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

(A) Continuous lateral bracing equally spaced on member.

The overall height of this truss excluding overhang is 9.3-0.



Note: All Plates Are 2X4 Except As Shown.

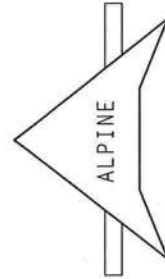
Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

 $Cq/RT=1.00(1.25)/10(0)$ 7.25.0503

QTY:1 FL/-/5/-/-/R/-

Scale = .1875" / Ft.



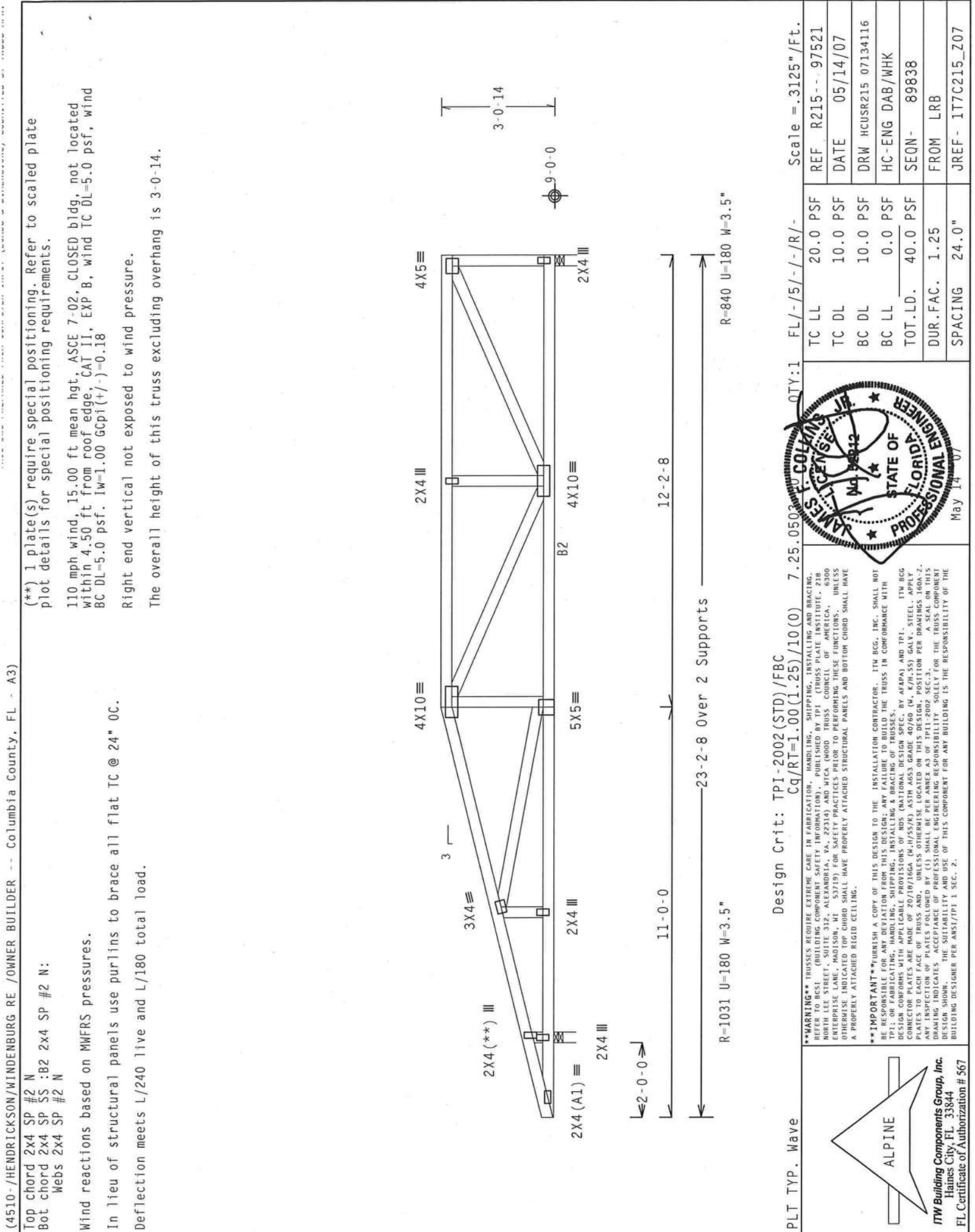
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RESPECTIVE BUILDING COMPONENTS' SAFETY INFORMATION, PUBLISHED BY THE CROSS PLATE INSTITUTE, 210 NORTH BROADWAY, SUITE 600, CHICAGO, ILLINOIS 60601-1897, FOR ADDITIONAL INFORMATION.

ENTERPRISE LANE, HADISON, NJ, 07731 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

[illegible]

TC LL	20.0	PSF	REF R215 - - 97520
TC DL	10.0	PSF	DATE 05/14/07
BC DL	10.0	PSF	DRW HCUR215 07134115
BC LL	0.0	PSF	HC-ENG DAB/WHK
TOT.LD.	40.0	PSF	SEIN - 89801
DUR.FAC.	1.25		FROM LRB
SPACING	24.0"		JREF- 1T7C215_Z07



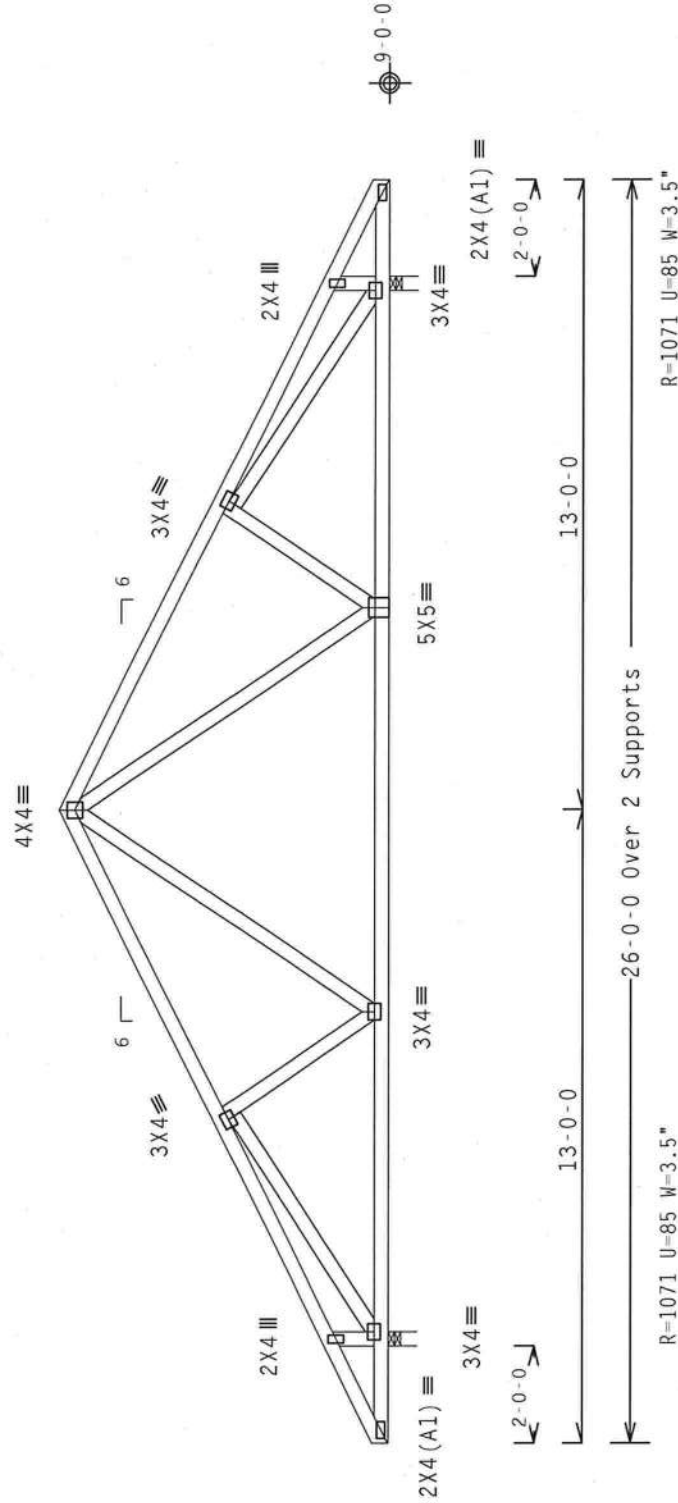
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

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. lw=1.00 Gcpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 6-10-3.



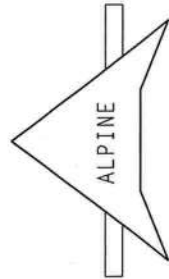
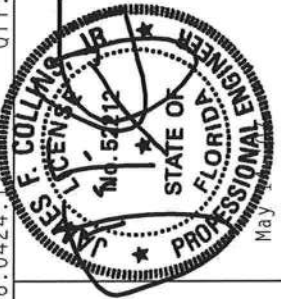
Design Crit: TPI-2002(STD)/FBC

Scale = .25"/Ft.

QTY:9	FL/-/5/-/-/R/-	TC LL	20.0 PSF	REF	R215-- 97523
		TC DL	10.0 PSF	DATE	05/14/07
		BC DL	10.0 PSF	DRW	HCUSR215 07134118
		BC LL	0.0 PSF	HC-ENG	DAB/WHK
		TOT.LD.	40.0 PSF	SEQN-	46707
		DUR.FAC.	1.25	FROM	LRB
		SPACING	24.0"	JREF-	1T7C215_Z07

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, 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. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AIA/ASA) AND TPI. ITW BCG CORP. OR PLATES ARE MADE OF 2024-T3 ALUMINUM. ALL DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE INDICATED, ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

(4510-/HENDRICKSON/WINDENBURG RE /OWNER BUILDER -- Columbia County, FL - A8)

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

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 6-10-3.

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. lw=1.00 GCpf(+/-)=0.18

Deflection meets L/240 live and L/180 total load.

4x4

3x4

3x5

2x4 (A1)

5x6

3x4

3x5

2x4 III

6

1-4-3

9-0-0

13-0-0

24-0-0 Over 2 Supports

11-0-0

2-0-0

R=1085 U=85 W=3.5"

R=891 U=81 W=3.5"

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.0424.12

Scale = .3125"/Ft.

PLT TYP. Wave

ITW Building Components Group, Inc.
Haines City, FL 33844 # 567

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.0424.12

QTY: 6 FL/-/5/-/-/R/-

Scale = .3125"/Ft.

REF	R215--	97524
DATE	05/14/07	
DRW	HCUSR215	07134119
HC-ENG	DAB/WHK	
SEQN	46712	
FROM	LRB	
JREF	1T7C215_Z07	

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

Wind reactions based on MWFRS pressures.

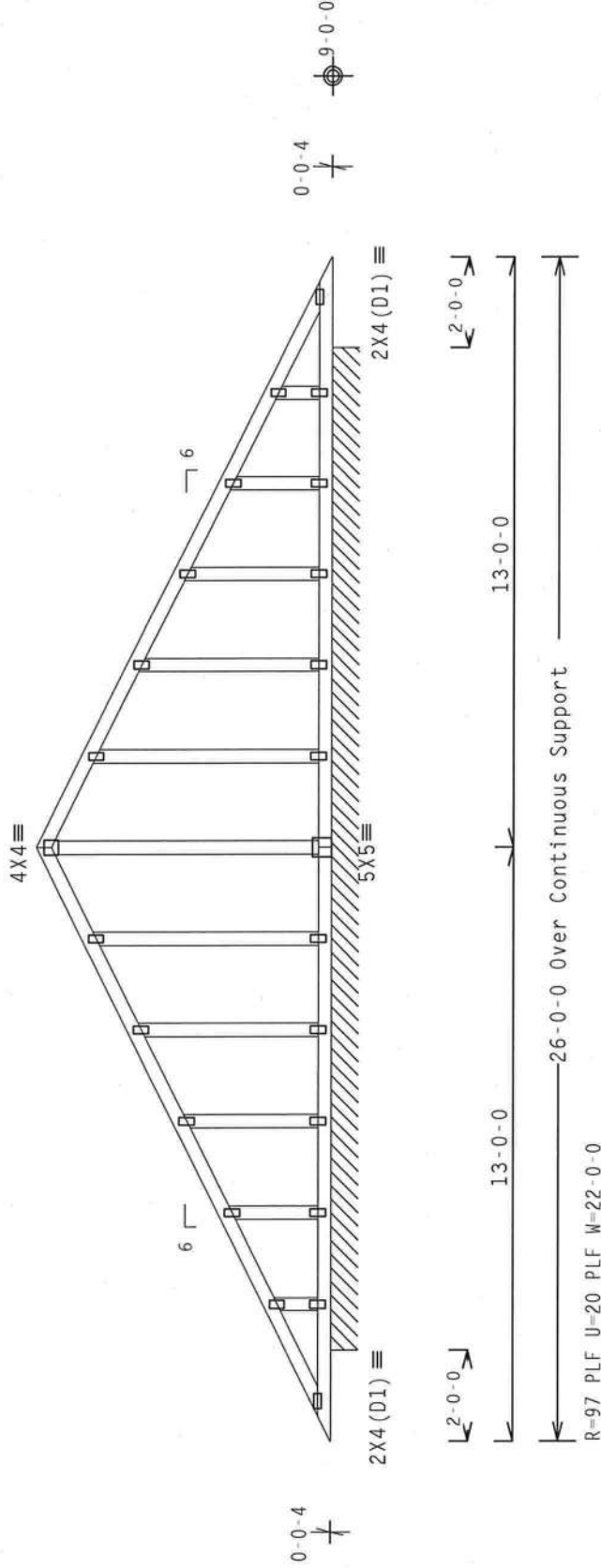
See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

Deflection meets L/240 live and L/180 total load.

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. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Truss spaced at 24.0" OC designed to support 2-0-0 top chord outlookers. Cladding load shall not exceed 0.00 PSF. Top chord must not be cut or notched.

The overall height of this truss excluding overhang is 6-6-4.



Note: All Plates Are 2x4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

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

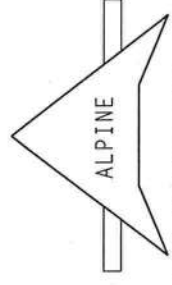
7.25.0503

QTY:1 FL/-/5/-/-/R/-

Scale = .25"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, 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. ITM BEG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/ASA) AND TPI1. ITM BEG PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE INDICATED ON THIS DESIGN, POSTER PER DRAWING 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3.3. 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.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567



TC LL	20.0 PSF	REF	R215--	97525
TC DL	10.0 PSF	DATE	05/14/07	
BC DL	10.0 PSF	DRW	HCUSR215	07134120
BC LL	0.0 PSF	HC-ENG	DAB/WHK	
TOT.LD.	40.0 PSF	SEQN-	89852	
DUR.FAC.	1.25	FROM	LRB	
SPACING	24.0"	JREF-	1T7C215_Z07	

	Top	Bot	Web	chord	chord	chord	SP	N
#2								
#2								
#2								

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. Iw=1.00 GCpi (+/-)=0.18

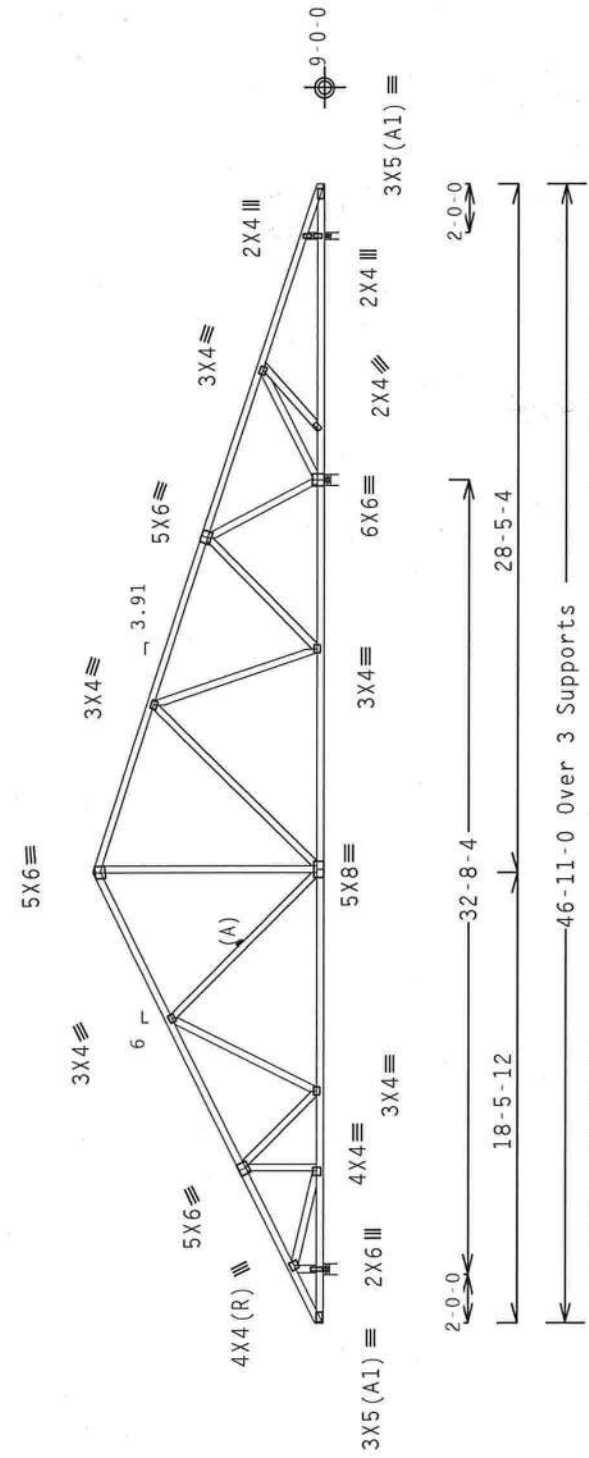
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 9-7-1.

(A) Continuous lateral bracing equally spaced on member.

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.



R=2008 U=202 W=5.5"

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/1

Scale = .125"/Ft.

ALPINE ITW Building Components Group, Inc. Haines City, FL 33844 FL Certificate of Authorization # 567	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (4000 TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, 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.				REF R215 - 97526
	IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THE DESIGN OR THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES.				DATE 05/14/07
	DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. 1TH BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (N.H/55X8) ASTM A653 GRADE 40/60 (40, K/H.55) 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 AMER 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 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.				DRW HCURSR215 07134121
					HC-ENG DAB/WHK
					SEQN- 46632
					FROM LRB
					JREF - 177C215_Z07

Top chord 2x4 SP #2 N :T3, T5 2x6 SP #2 N:

Bot chord 2x4 SP #2 N

Webs 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

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.

+ Member to be laterally braced for horizontal wind loads. Bracing system to be designed and furnished by others.

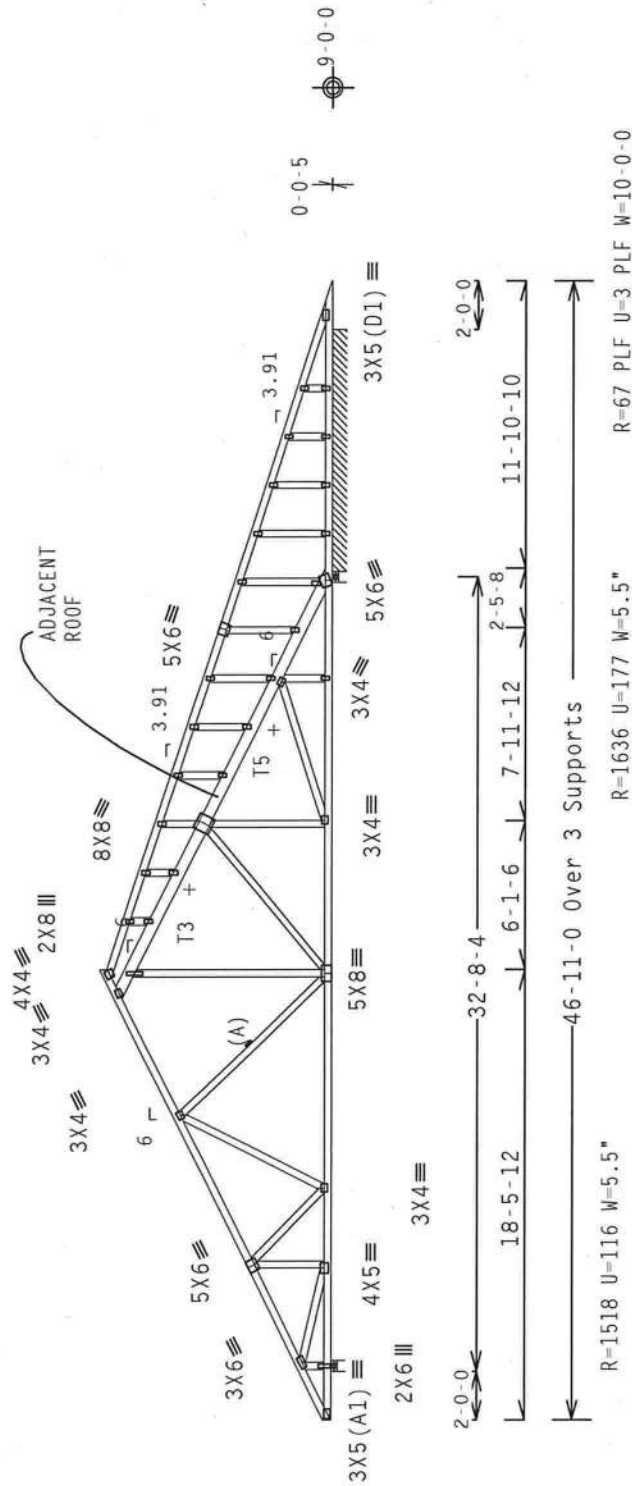
See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

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. Iw=1.00 CCpi(+/-)=0.18

Deflection meets L/240 live and L/180 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 9-7-1.



Note: All Plates Are 2X4 Except As Shown.

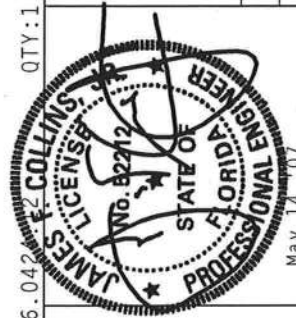
Design Crit: TPI-2002(STD)/FBC

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

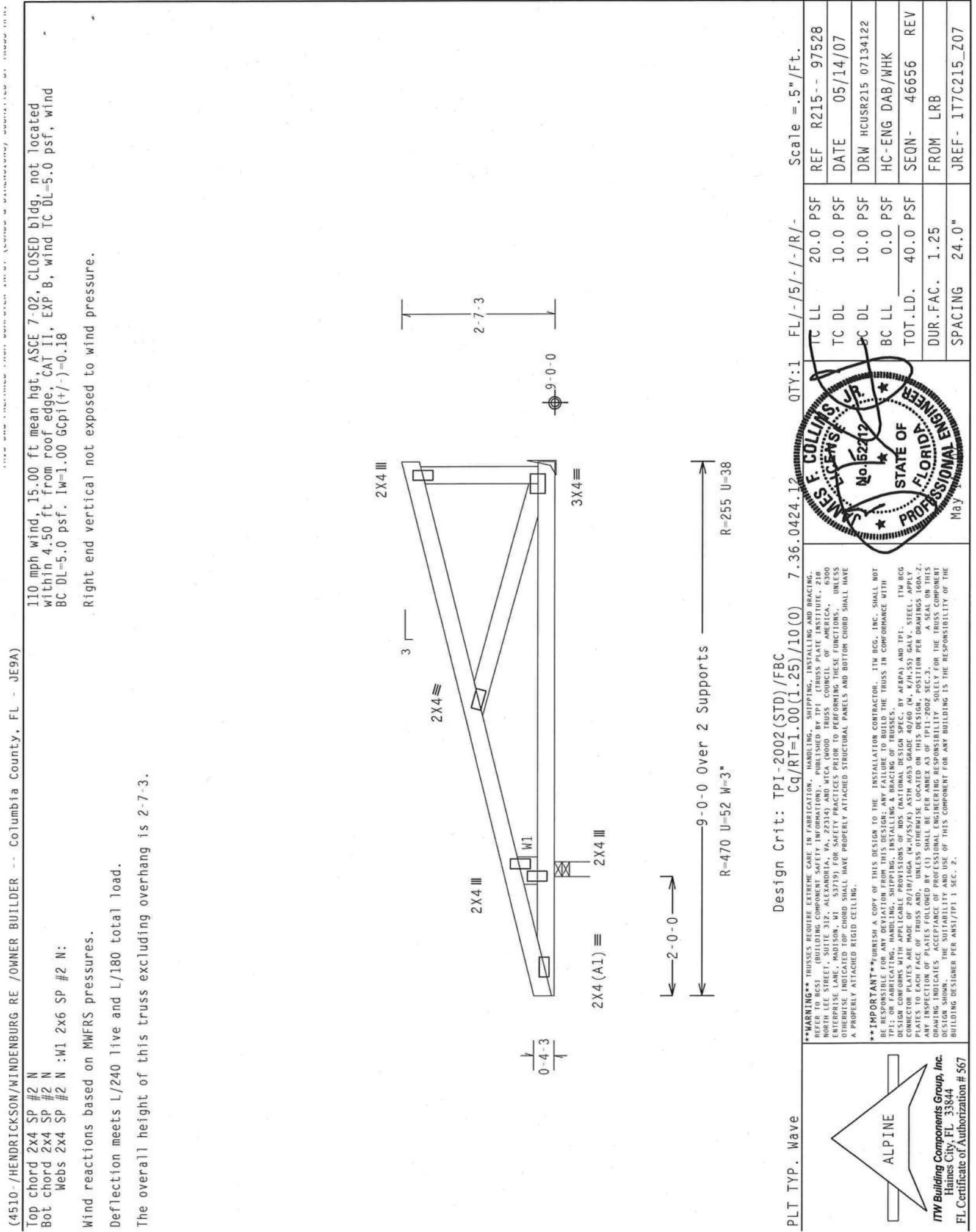
QTY:1 FL/-/5/-/-/R/-/-
Scale = .125"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO PEST BUILDING/COMPOUND SPECIFICATIONS FOR FURTHER INFORMATION. (CLASS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304) AND VIKING TRUSS COMPANY, 1000 TRUSS COMPANY DRIVE, WESTERN LANE, MADISON, WI 53719) FOR SPECIALTY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID BEAMS.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN COMPLIANCE WITH TP1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, PROJECTS CONFORMS WITH APPLICABLE PROVISIONS OF AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION) DESIGN COMPANION WITH APPLICABLE PROVISIONS OF AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION) DESIGN COMPANION. ITW BCG SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS COMPONENTS. THE TRUSS COMPONENTS SHALL BE DESIGNED TO BE IN COMPLIANCE WITH THE FOLLOWING: TP1; TP2; TP3; TP4; TP5; TP6; TP7; TP8; TP9; TP10; TP11; TP12; TP13; TP14; TP15; TP16; TP17; TP18; TP19; TP20; TP21; TP22; TP23; TP24; TP25; TP26; TP27; TP28; TP29; TP30; TP31; TP32; TP33; TP34; TP35; TP36; TP37; TP38; TP39; TP40; TP41; TP42; TP43; TP44; TP45; TP46; TP47; TP48; TP49; TP50; TP51; TP52; TP53; TP54; TP55; TP56; TP57; TP58; TP59; TP60; TP61; TP62; TP63; TP64; TP65; TP66; TP67; TP68; TP69; TP70; TP71; TP72; TP73; TP74; TP75; TP76; TP77; TP78; TP79; TP80; TP81; TP82; TP83; TP84; TP85; TP86; TP87; TP88; TP89; TP90; TP91; TP92; TP93; TP94; TP95; TP96; TP97; TP98; TP99; TP100; TP101; TP102; TP103; TP104; TP105; TP106; TP107; TP108; TP109; TP110; TP111; TP112; TP113; TP114; TP115; TP116; TP117; TP118; TP119; TP120; TP121; TP122; TP123; TP124; TP125; TP126; TP127; TP128; TP129; TP130; TP131; TP132; TP133; TP134; TP135; TP136; TP137; TP138; TP139; TP140; TP141; TP142; TP143; TP144; TP145; TP146; TP147; 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TC LL	20.0 PSF	REF R215- - 97527
TC DL	10.0 PSF	DATE 05/14/07
BC DL	10.0 PSF	DRW HCURSR215 07134130
BC LL	0.0 PSF	HC-ENG DAB/WHK
TOT.LD.	40.0 PSF	SEQN- 46650
DUR.FAC.	1.25	FROM LRB
SPACING	24.0"	JREF- 177C215_Z07



	Top chord	2x6	SP	#2	N	T1	2x4	SP	#2	N
	Bot chord	2x6	SP	#2	Dense					
	webs	2x4	SP	#2	N <td>W1</td> <td>2x6</td> <td>SP</td> <td>#2</td> <td>N</td>	W1	2x6	SP	#2	N

1110 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. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

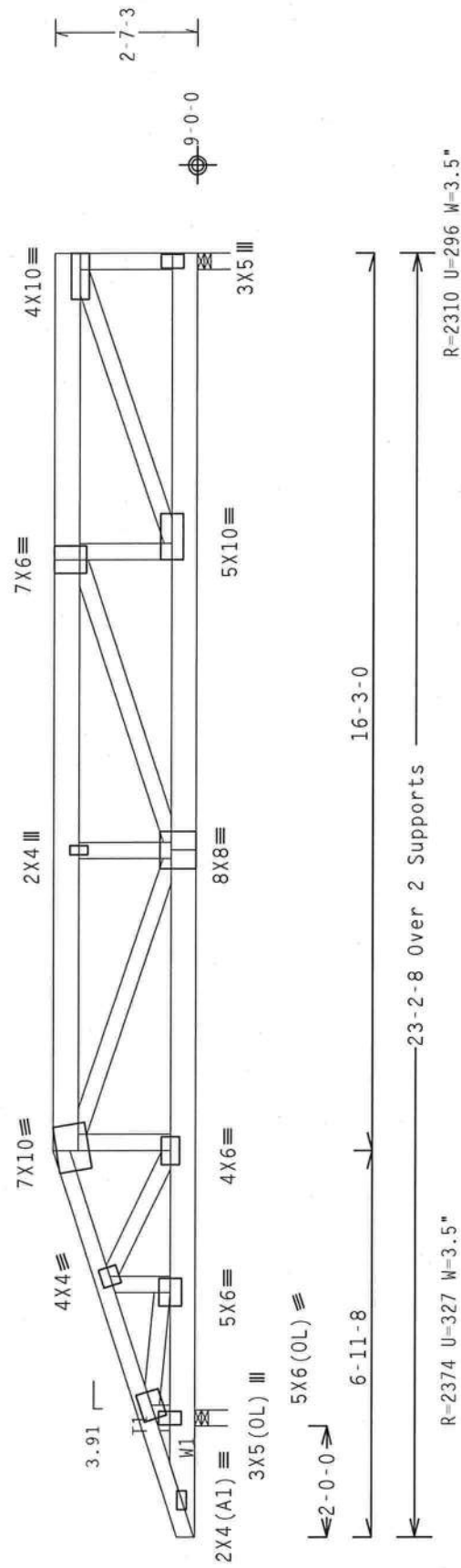
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 2-7-3.

SPECIAL LOADS

TEST	CONC.	LOAD	DUR. FAC. = 1.25 / PLATE	DUR. FAC. = 1.25
TC - From	61 PLF at 0.00 to	61 PLF at 6.96		
TC - From	61 PLF at 6.96 to	61 PLF at 23.21		
BC - From	20 PLF at 0.00 to	20 PLF at 23.21		
BC -	810 LB Conc. Load at	6.96		
BC -	254 LB Conc. Load at	9.02, 11.02, 13.02, 15.02, 17.02		
BC -	470 LB Conc. Load at	21.02		



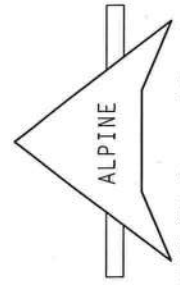
Design Crit: TPI-2002(STD)/FBC

QTY:1 FL/-/5/-/-/R/- Scale =.3125"/Ft.

PLT TYP. Wave

WARNING ROSSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. RETURN TO THE MANUFACTURER FOR INSTRUCTIONS. THESE PLATING FACILITIES, 218 NORTH L STREET, SUITE 312, ALHAMBRA, CA 91801 AND VICKI MOORE TRUSS, COUNCILMAN ENTERPRISE LANE, WADSWORTH, MI 48091. FOR SAFETY PRACTICES PLEASE REFER TO THE FOLLOWING: 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. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO OR LOSS OF THE TRUSS IN COMPLIANCE WITH THIS DESIGN SPECIFICATION. THE TRUSS IS DESIGNED FOR ERECTION BY THE FOLLOWING METHODS:
1. FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.
2. DESIGN CONFORMS WITH APPLICABLE REQUIREMENTS OF NDS (NATIONAL DESIGN SPEC. BY AISC) AND TPI-1. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA UN/MS/25KZ ALUM A653 GRADE 40/60 (M. K/H-55) GALV. STEEL, ALL PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-1/2002 SEC.2.
3. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567



TC LL	20.0	PSF	REF	R215--	97529
TC DL	10.0	PSF	DATE	05/14/07	
BC DL	10.0	PSF	DRW	HCUSR215	07134131
BC LL	0.0	PSF	HC-ENG	DAB/WHK	
TOT.LD.	40.0	PSF	SEQN-	46702	
DUR.FAC.	1.25		FROM	LRB	
SPACING	24.0"		JREF-	1T7C215_Z07	

Top chord	2x4	SP	#2	N
Bot chord	2x4	SP	#2	N
Webs	2x4	SP	#2	N
			:W1	2x6 SP #2 N:

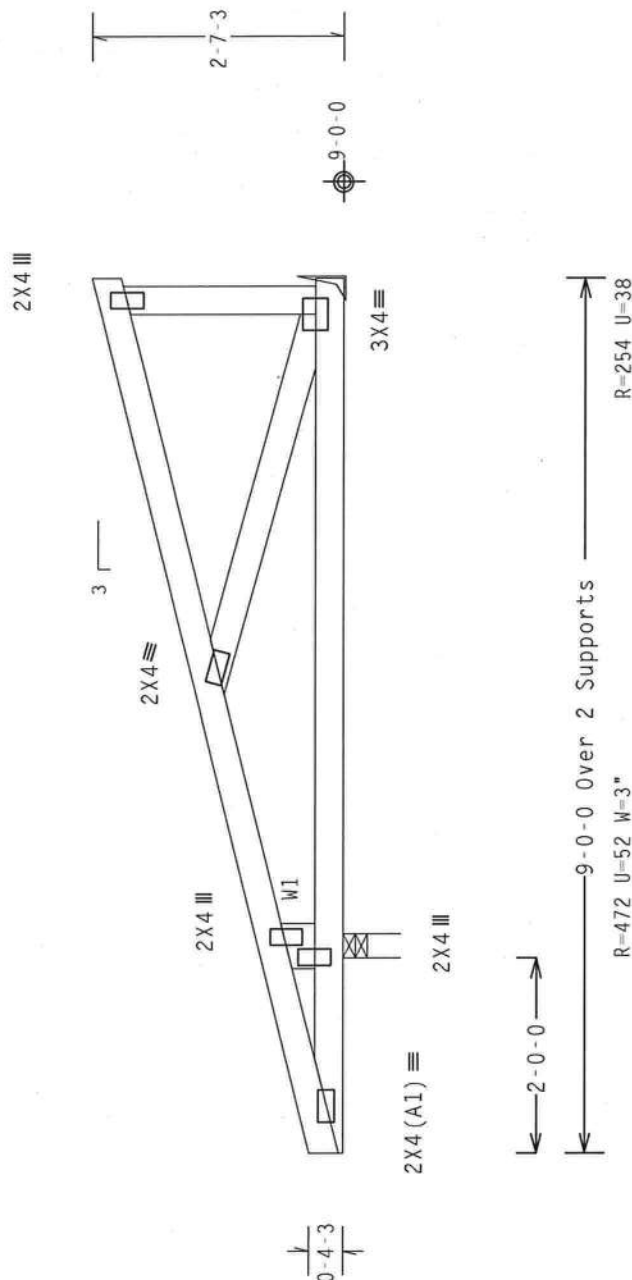
11110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind CBC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 2-7-3.



Design Crit: TPI-2002(STD)/FBC

Scale = .5"/Ft.

QTY:7 FL/-/5/-/-/R/-

424

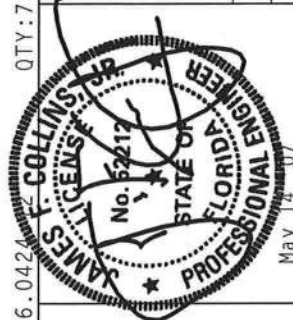
 $Cq/RT=1.00(1.25)/10(0) \quad 7.$

Dec 1911

PLT TYP. Wave

WARNING FRONTS REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY THE TRUSS PLASTIC INSTITUTE, 400 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND WCA TRUSS, COUNCIL OF AMERICA, 400 ENTERPRISE LANE, 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 PROPERLY ATTACHED RIGID CEILING.

*IMPORTANT:—FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, TTN BCG, INC., WHICH WILL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSSS IN CONFORMANCE WITH TTP1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. BY AERPA AND TPN. TTN BCG HAS NO RESPONSIBILITY FOR ANY VIOLATIONS OF ANY APPLICABLE PROVISIONS OF ANY NATIONAL DESIGN SPEC. FOR STEEL TRUSS BRIDGE GIRDS WITH MOMENT RESISTING JOINTS. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF ALL STEEL TRUSS PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPN1-2002 SEC.2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. THE SEAL OF THE DESIGNER SHALL BE THE SEAL OF THE ENGINEER FOR THIS CONFER FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX A OF TPN1-2002 SEC.2.



ITW Building Components Group, Inc.
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Haines City, FL 33844
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Top chord	2x4	SP	#2	N
Bot chord	2x4	SP	#2	N
Webs	2x4	SP	#2	N

:W1 2x6 SP #2 N:

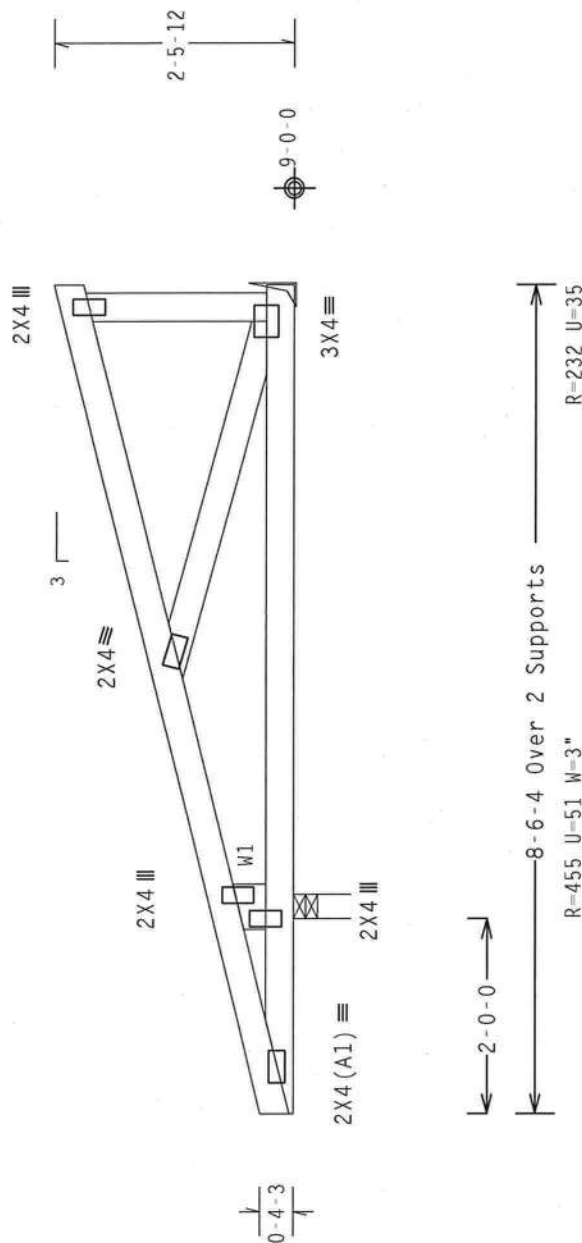
1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 2-5-12.



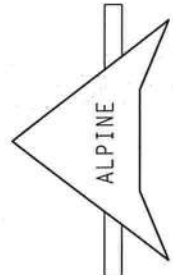
PLT TYP. Wave

QTY:1 FL/-/5/-/-/R/-/ Scale = 5" / Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. TRUSSES MUST BE PROPERLY BRACED PRIOR TO BEING LIFTED OR MOVED. TRUSSES PUBLISHED BY (TRUSS PACT INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA VA, 22314, AND TRUSS COMPANY, ENTERPRISE LAKE, WA01501, #1 52719) FOR SAFETY REASONS PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED 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. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH ITW BCG, INC. FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NYSNATIONAL DESIGN SPEC, & AIA AND TPI. ITW BCG CONTRACTOR PLANTS ARE MADE OF 20/18/1664 (W/55) ASTM A653 GRADE 40/60 (W/ K/FH-S5) GALV. STEEL. ALL PLATING TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DIMENSIONS 160A-2. DIMENSIONS 160A-2 ARE TO BE USED FOR ALL TRUSS SECTIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, MANUFACTURING, ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY AND THE RESPONSIBILITY OF THE DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNING ENGINEER PER AHS/ITP 1 SEC. - 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

TC LL	20.0	PSF	REF	R215--	97531
TC DL	10.0	PSF	DATE	05/14/07	
BC DL	10.0	PSF	DRW	HCUSR215	07134124
BC LL	0.0	PSF	HC-ENG	DAB/WHK	
TOT.LD.	40.0	PSF	SEEN-	46667	REV
DUR.FAC.	1.25		FROM	LRB	
SPACING	24.0"		JREF-	177C215_Z07	

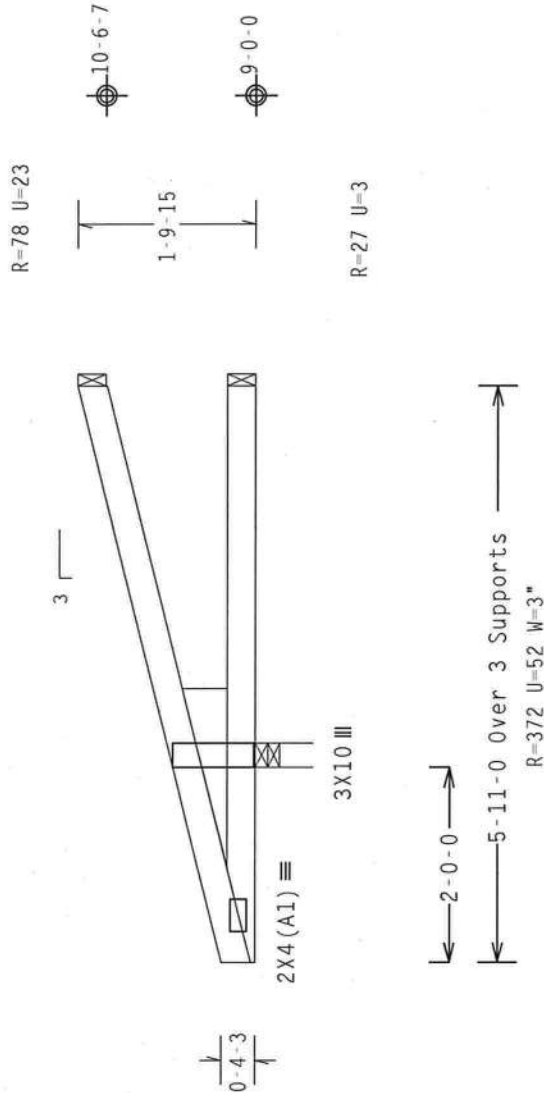
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
:Lt Wedge 2x6 SP #2 N:

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. lw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 1-9-15.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

QTY:1

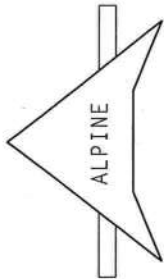
Scale = .5" / Ft.

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"



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, 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. ITW BEG, 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, OR ANY FAILURE TO FOLLOW THE INSTRUCTIONS OF THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567



(4510- /HENDRICKSON/WINDENBURG RE /OWNER BUILDER -- Columbia County, FL - JC3)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Lt Wedge 2x6 SP #2 N:

Wind reactions based on MWFRS pressures.

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

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. lw=1.00 GCpi(+/-)=0.18

Deflection meets L/240 live and L/180 total load.

PLT TYP. Wave	Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)	7.36.042	QTY:1	FL/-/5/-/-/R/-	Scale =.5"/Ft.
			TC LL	20.0 PSF	REF R215-- 97534
			TC DL	10.0 PSF	DATE 05/14/07
			BC DL	10.0 PSF	DRW HCUSR215 07134127
			BC LL	0.0 PSF	HC-ENG DAB/WHK
			TOT.LD.	40.0 PSF	SEQN- 46678
			DUR.FAC.	1.25	FROM LRB
			SPACING	24.0"	JREF- 1T7C215_Z07

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

ALPINE

Professional Engineer
K. COLLINS
No. 52212
STATE OF FLORIDA
May 14 07

(4510- /HENDRICKSON/WINDENBURG RE /OWNER BUILDER -- Columbia County, FL - JC4)

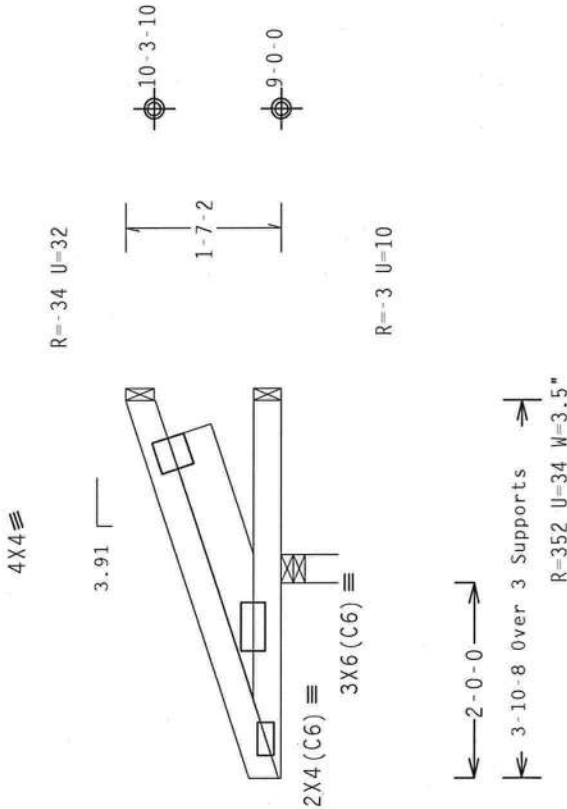
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
:Rt Slider 2x6 SP #2 N: BLOCK LENGTH = 2.816'

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. Iw=1.00 GCpl(+/-)=0.18

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 1-7-2.



PLT TYP. Wave

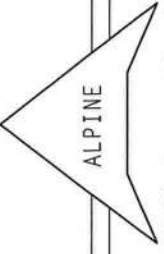
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.0424



QTY:1	FL/-/5/-/R/-	Scale =.5"/Ft.
TC LL	20.0 PSF	REF R215-- 97535
TC DL	10.0 PSF	DATE 05/14/07
BC DL	10.0 PSF	DRW HCUSR215 07134128
BC LL	0.0 PSF	HC-ENG DAB/WHK
TOT.LD.	40.0 PSF	SEQN- 46684
DUR.FAC.	1.25	FROM LRB
SPACING	24.0"	JREF- 1T7C215_Z07

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NITCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, 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.

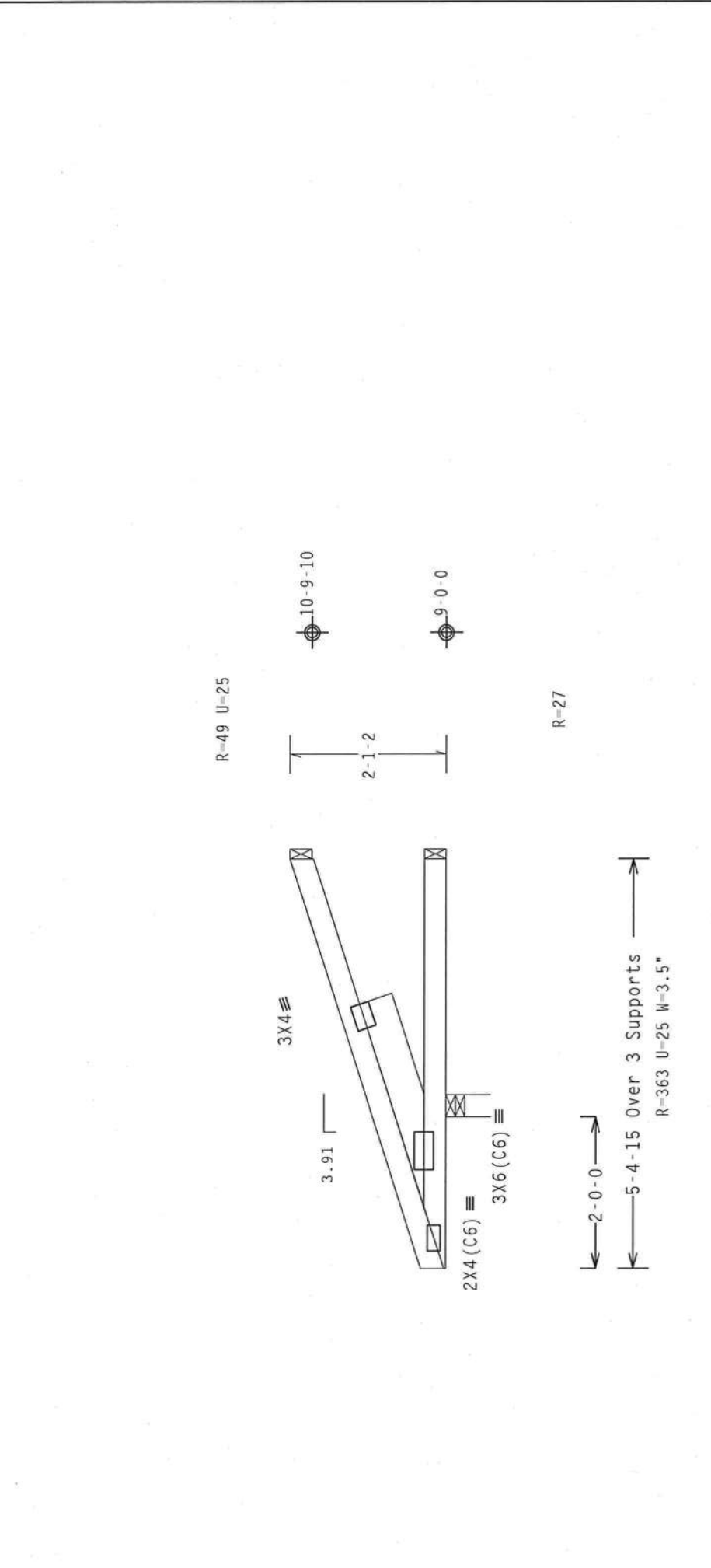
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2010/106GA (4.17/557K) ASTM A653 GRADE 40/60 (4.7/41.55) GALV. STEEL. APPLY PROTECTIVE COATING TO ALL EXPOSED SURFACES. TRUSSES SHALL BE COMPLETED AND TPI-2002 SECTIONS SHALL BE 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.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
: Lt Slider 2x6 SP #2 N: BLOCK LENGTH = 2.816'
Wind reactions based on MWFRS pressures.
The overall height of this truss excluding overhang is 2-1-2.

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. lw=1.00 GCpl(+/-)=0.18
Deflection meets L/240 live and L/180 total load.



PLT TYP. Wave

Design Crit: TPI-2002 (STD) / FBC
Cq/RT=1.00(1.25)/10(0) 7.36.0424

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"

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

James F. Collins, P.E.
No. 82202
Professional Engineer
State of Florida
May 14, 2007

Scale = .5"/Ft.

REF R215 - 97536

DATE 05/14/07

DRW HCUSR215 07134129

HC-ENG DAB/WHK

SEQN - 46689

FROM LRB

JREF - 177C215_Z07

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

: Lt Slider 2x6 SP #2 N: BLOCK LENGTH = 1.866'

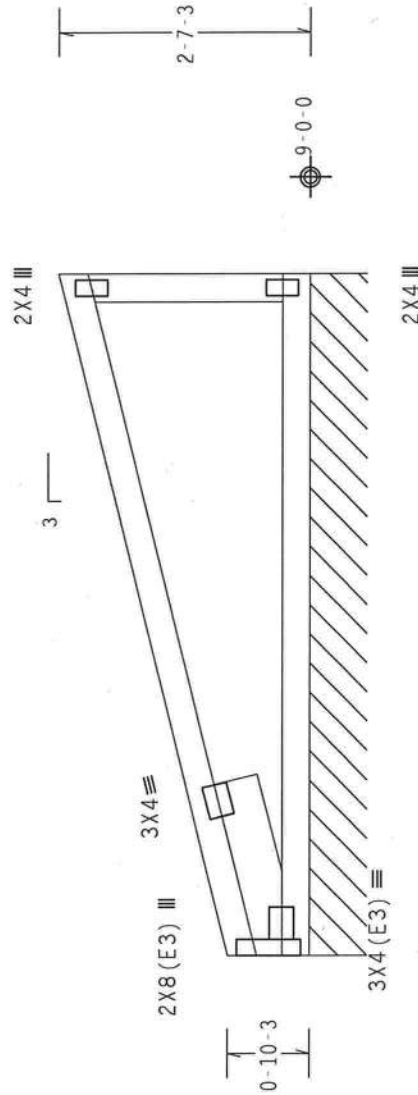
Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 2-7-3.

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. lw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.



R=81 PLF U=8 PLF W=7-0-0
7-0-0 Over Continuous Support

Design Crit: TPI-2002(STD)/FBC

QTY:1 FL/-/5/-/-/R/-/-
Scale = .5"/Ft.

PLT TYP. Wave

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE BEST BUILDING COMPONENTS, PUBLISHED BY TPI (CROSS PLATE TRUSSES), 210 NORTH LEE ROAD, CHICAGO, ILL. 60604, AND THE TPI TRUSS MANUFACTURER'S EMPLOYEE (LAW, 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 PROPERLY ATTACHED RIGID CEILING.

**** IMPORTANT ****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP-1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING TO TRUSSES.

DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AISI/AISC) AND TPI. ITW BCG SHALL PROVIDE ALL MATERIALS INCLUDING BUT NOT LIMITED TO: GRADE 50 STEEL, 60,000 PSI YIELD STRENGTH GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE NOTED, 1/8" THICK PER TRUSS COMPONENT.

AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AISI A3 OF TP-1-2002 SEC. 3 REGARDING WELDING QUALITY CERTIFICATION INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE DESIGN COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNING DESIGNER PER AISI/TPI 1 SEC. 2.



TC LL	20.0	PSF	REF R215-- 97537
TC DL	10.0	PSF	DATE 05/14/07
BC DL	10.0	PSF	DRW HCURSR215 07134114
BC LL	0.0	PSF	HC-ENG DAB/WHK *
TOT.LD.	40.0	PSF	SEQN - 46723
DUR.FAC.	1.25		FROM LRB
SPACING	24.0"		JREF - 177C215_Z07

MAX GABLE VERTICAL LENGTH													
2X4 GABLE VERTICAL SPACING	BRACE GRADE	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
16" O.C.	SPF	#1 / #2	3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 8"	12' 5"	12' 9"	14' 0"	14' 0"
	HF	#3	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"
	STUD	STUD	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 3"	12' 3"	14' 0"	14' 0"
	STANDARD	#1	4' 3"	5' 2"	5' 2"	6' 9"	6' 9"	9' 1"	9' 1"	10' 7"	10' 7"	14' 0"	14' 0"
24" O.C.	SP	#2	4' 2"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
	DFL	#3	4' 0"	6' 2"	6' 2"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 8"	14' 0"	14' 0"
	STUD	STUD	4' 0"	6' 1"	6' 1"	7' 11"	8' 0"	9' 5"	9' 11"	12' 5"	12' 6"	14' 0"	14' 0"
	STANDARD	#1 / #2	3' 10"	5' 3"	5' 3"	6' 11"	6' 11"	9' 4"	9' 4"	10' 10"	10' 10"	14' 0"	14' 0"
16" O.C.	SPF	#3	4' 5"	7' 8"	7' 10"	9' 1"	9' 4"	10' 10"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"
	HF	#1 / #2	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
	STUD	STUD	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
	STANDARD	#1	4' 10"	6' 4"	6' 4"	8' 4"	8' 4"	10' 10"	10' 10"	12' 11"	12' 11"	14' 0"	14' 0"
12" O.C.	SP	#2	4' 9"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"
	DFL	#3	4' 6"	7' 7"	7' 7"	9' 1"	9' 6"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"
	STUD	STUD	4' 6"	7' 6"	7' 6"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"
	STANDARD	#1 / #2	4' 5"	6' 5"	6' 5"	8' 6"	8' 6"	10' 10"	11' 1"	13' 3"	13' 3"	14' 0"	14' 0"
12" O.C.	SPF	#3	4' 11"	8' 5"	8' 8"	10' 0"	10' 3"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"
	HF	#1 / #2	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"
	STUD	STUD	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"
	STANDARD	#1	5' 4"	7' 3"	7' 3"	9' 7"	9' 7"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"
12" O.C.	SP	#2	5' 3"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"
	DFL	#3	5' 0"	8' 5"	8' 5"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"
	STUD	STUD	5' 0"	8' 5"	8' 7"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"
	STANDARD	#1 / #2	4' 11"	7' 5"	7' 5"	9' 10"	9' 10"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"

BRACING GROUP SPECIES AND GRADES:

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

DOUGLAS FIR-LARCH	SOUTHERN PINE	
#3	STUD	
STANDARD	STUD	

GROUP B:		
HEM-FIR	DOUGLAS FIR-LARCH	
#1 & BTR	#1	
	#2	

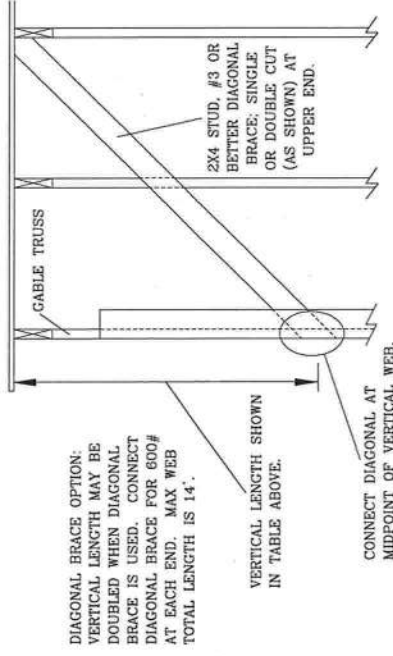
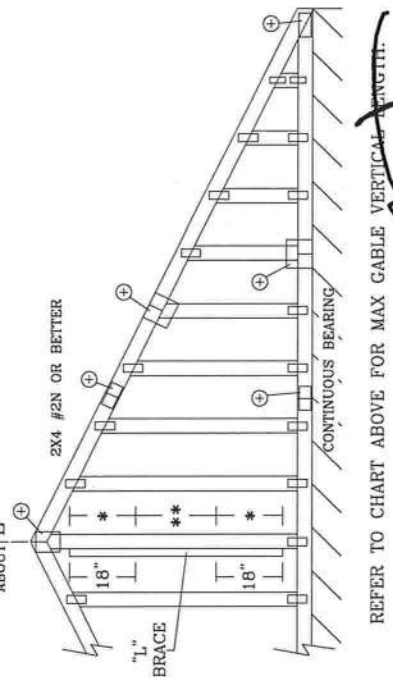
SOUTHERN PINE	DOUGLAS FIR-LARCH	
#1	#1	
#2	#2	

GABLE TRUSS DETAIL NOTES:

- LIVE LOAD DEFLECTION CRITERIA IS L/240.
- PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).
- GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.
- ATTACH EACH "L" BRACE WITH 10d NAILS.
- * FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
- ** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.
- "L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

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

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



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

VERTICAL LENGTH SHOWN IN TABLE ABOVE.

CONNECT DIAGONAL AT MIDPOINT OF VERTICAL WEB.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 210 NORTH LEE ST., SUITE 312, ALEXANDRIA, VA 22314, AND WTC (WOOD TRUSS CONNECTOR PLATE) DESIGN SPECIFICATIONS, PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 210 NORTH LEE ST., SUITE 312, ALEXANDRIA, VA 22314, FOR THE PROPER USE OF 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. ITW BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BRACING OF TRUSSES IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BUILDING OF TRUSSES. ITW BCG CONNECTOR PLATES ARE MADE OF 2019/19/16SG ALUMINUM, ASTM A523, GRADE 40, AND PER GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604-2. ANY INSPECTION OF PLATES FOLLOWED BY (D) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

REF	ASCE7-02-GAB1015
DATE	2/23/07
DRWG	A11015EE0207
-ENG	

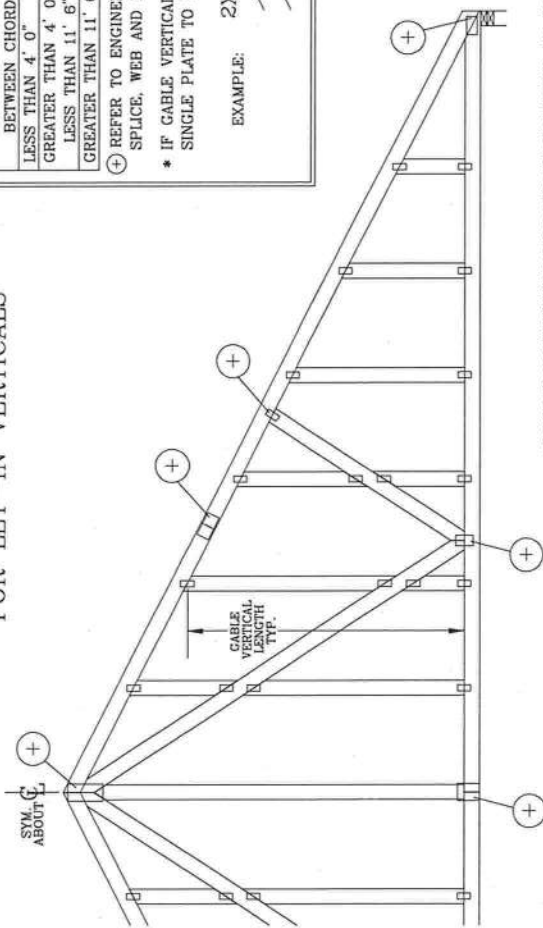
MAX. TOT. LD.	60 PSF
MAX. SPACING	24.0"



ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

GABLE DETAIL FOR LET-IN VERTICALS



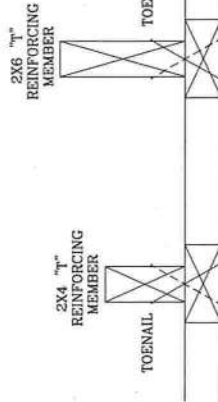
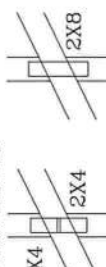
GABLE VERTICAL PLATE SIZES

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:



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

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

WEB LENGTH INCREASE W/ "T" BRACE

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

A11015EN0207, A10015EN0207, A09015EN0207, A08015EN0207, A11030EN0207, A10030EN0207, A09030EN0207, A08030EN0207, A07030EN0207

ASCE 7-98 GABLE DETAIL DRAWINGS

A13015EC0207, A12015EC0207, A11015EC0207, A10015EC0207, A08015EC0207, A13030EC0207, A12030EC0207, A11030EC0207, A10030EC0207, A08030EC0207

ASCE 7-02 GABLE DETAIL DRAWINGS

A13015EE0207, A12015EE0207, A11015EE0207, A10015EE0207, A08015EE0207, A13030EE0207, A12030EE0207, A11030EE0207, A10030EE0207, A08030EE0207

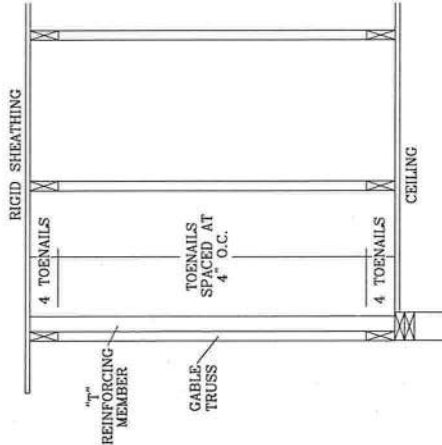
ASCE 7-05 GABLE DETAIL DRAWINGS

A13015E50207, A12015E50207, A11015E50207, A10015E50207, A08015E50207, A13030E50207, A12030E50207, A11030E50207, A10030E50207, A08030E50207

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 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS INSTITUTE, 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA 22314 AND WTC (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW BCG, 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 TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCG CONNECTION PLATES ARE MADE OF 2018/16GA (A/H/SS) ASTM A653 GRADE 40/46 (A/H/SS) PER TPI DESIGN POSITION PER DRAWINGS 1606-7. ANY INSPECTION OF PLATES FOLLOWED BY (3) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

THIS DRAWING REPLACES DRAWINGS GAB98117 876.719 & HC26294035

REF LET-IN VERT

DATE 2/23/07

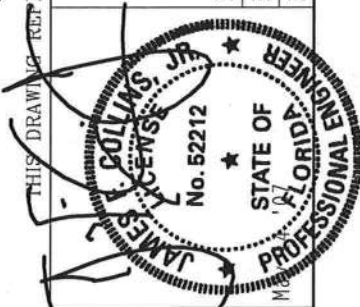
DRWG GBLLETIN0207

-ENG DLJ/KAR

MAX TOT. LD. 60 PSF

DUR. FAC. ANY

MAX SPACING 24.0"



ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPAHO BEACH, FLORIDA

CLB WEB BRACE SUBSTITUTION

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

NOTES:

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

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

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

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

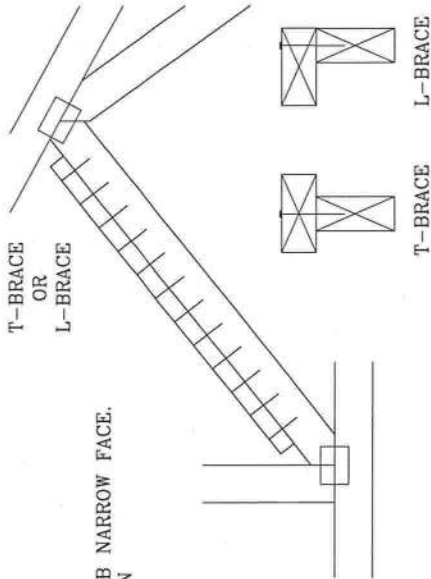
(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

T-BRACING

OR

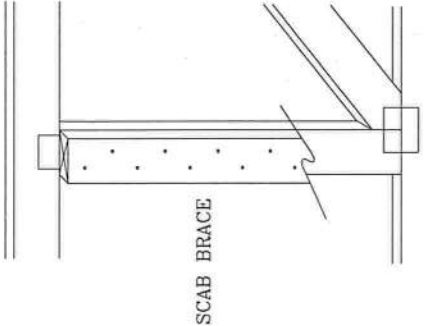
L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE. ATTACH WITH 10d BOX OR GUN (0.128" x 3" MIN) 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 BOX OR GUN (0.128" x 3" MIN) NAILS. AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLANING INSTITUTE, 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, VT 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE OPERATIONS. UNLESS OTHERWISE INDICATED, ALL MATERIAL SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

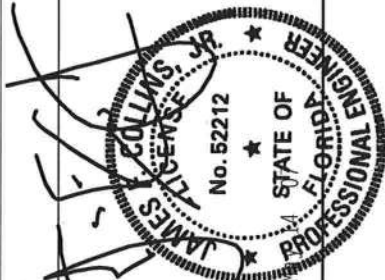
****IMPORTANT**** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW, BCG CONNECTIONS ARE MADE TO 2018/16GA (43/55X) ASTM A653 GRADE 40/60 (43/55) GALVALUME. PER DESIGN POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SEAL THE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

THIS DRAWING REPLACES DRAWING 579.640

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	2/23/07
BC DL	PSF	DRWG	BRCLBSUB0207
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			



COLUMBIA COUNTY OFFICIAL CITY

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 09-6S-16-03804-108

Building permit No. 000025706

Use Classification SFD/UTILITY

Fire: 122.20

Permit Holder RICK WINDENBURG

Waste: 167.50

Owner of Building RICK WINDENBURG & SHIRLEY HENDRICKSON: 289.70

Location: 387 SW SPAULDING COURT, FT. WHITE, FL

Date: 12/13/2007

Fanny Dickel

Building Inspector



POST IN A CONSPICUOUS PLACE
(Business Places Only)

HEDRICKSON / WINDENBURG RESIDENCE PLANS COLUMBIA COUNTY, FL

Plan Sheet Index:

Sheet No.	Description
1	title/index sheet
2	floor plan
3	front & right elevations
4	rear & left elevations
5	wall typical
6	special details/strapping and nailing requirements
7	foundation/floor framing plan
8	roof plan/window and door sizes
9	electrical plan

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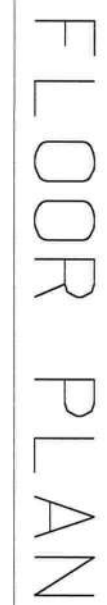
Marty J. Humphries
4-12-07



PLANS PREPARED BY:
MARTY J. HUMPHRIES P.E. # 51976
7932 240TH ST., O'BRIEN, FL 32071

Hedrickson/Windenburg Residence
COLUMBIA COUNTY, FLORIDA

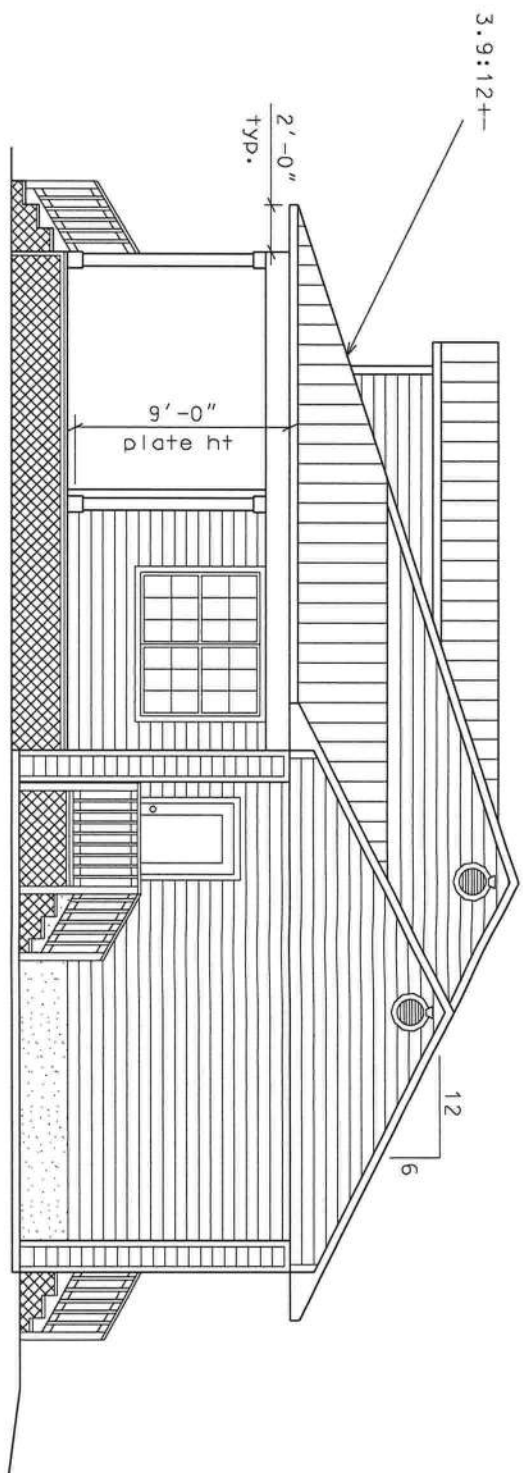
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OF
9



LIVING AREA - 2532 sq. ft.
PORCHES - 529 sq. ft.
CARPORT - 660 sq. ft.

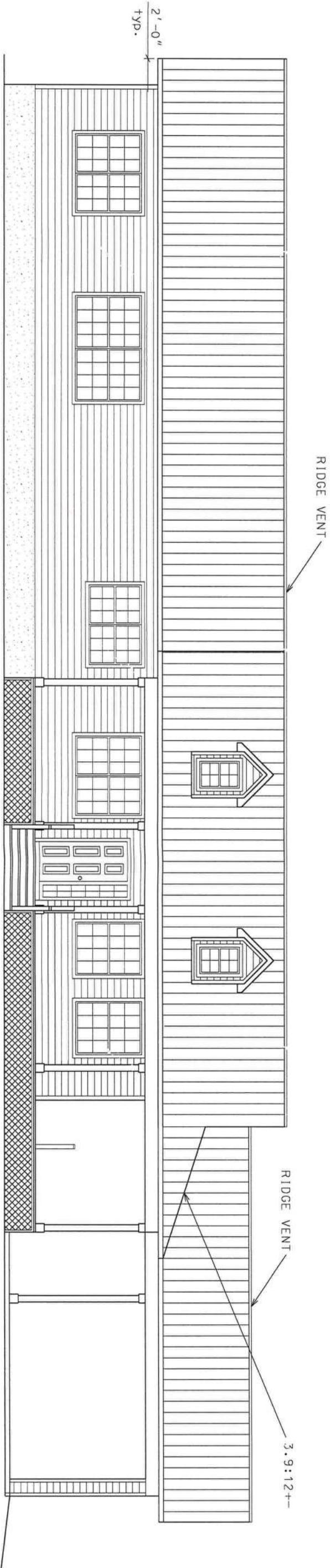
NOTE: ALL WALL DIMENSIONS ARE SHOWN FROM EDGE OF WALL STUDS.

Mindy B. Rubin
4-12-07



RIGHT ELEVATION

0 4' 8'
scale



FRONT ELEVATION

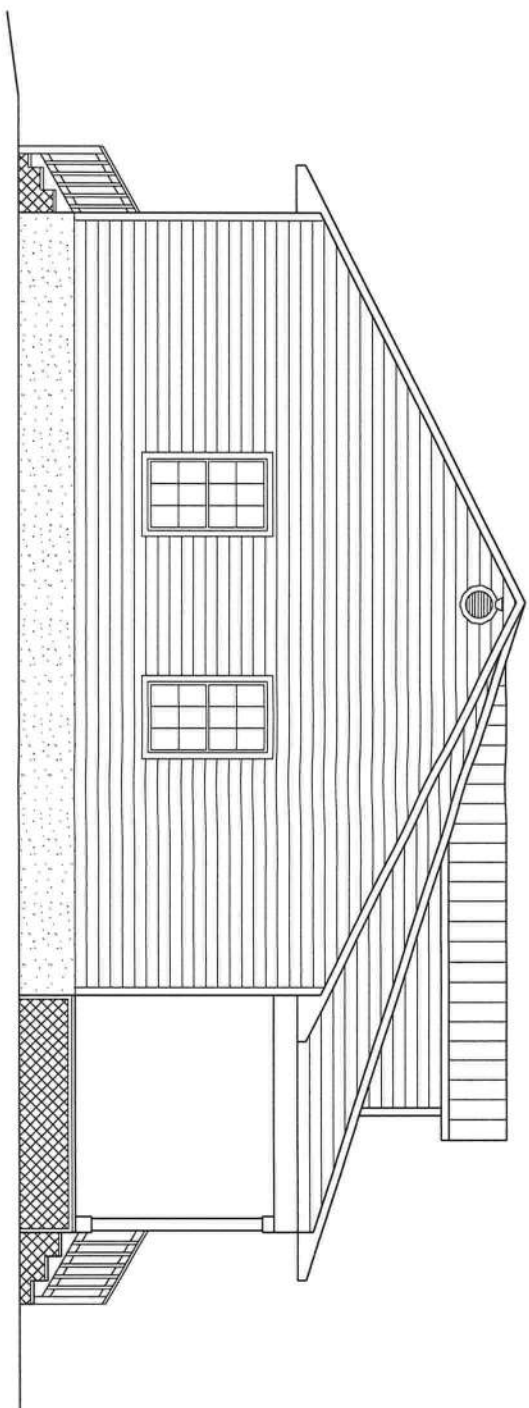
0 4' 8'
scale

Marty J. Humphries
5-6-07

Hedrickson/Windenburg Residence
COLUMBIA COUNTY, FLORIDA

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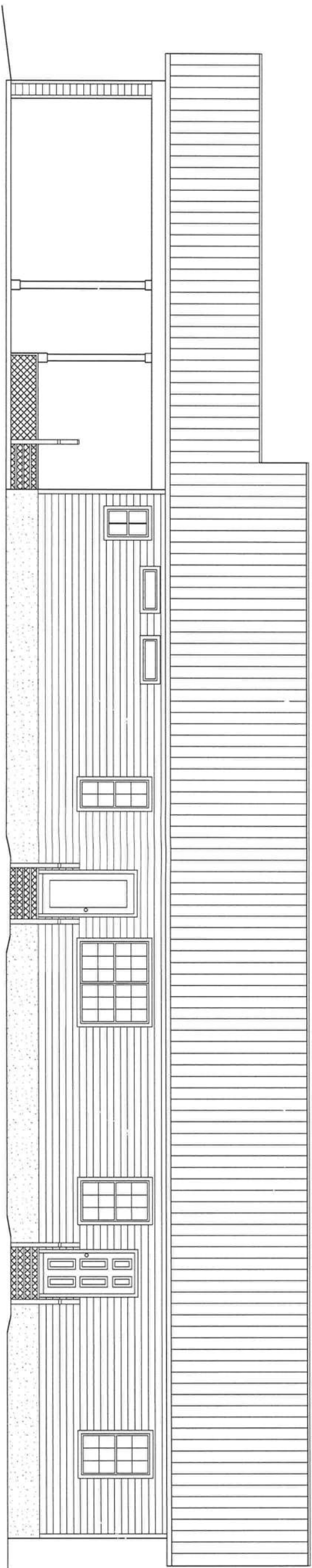




LEFT ELEVATION

0 4' 8'

scale



REAR ELEVATION

0 4' 8'

scale

Marty J. Humphries
5-6-07



STRAPPING AND ANCHOR REQUIREMENTS
(Designed In accordance with the 2004 FBC and amendments)

WINDLOAD DATA AND EXPOSURE:

Basic Wind Speed = 110 mph
Importance Factor = 1.0
Exposure Category = B
Residential Occupancy = Group R3
Mean Roof Height = 18'
Height and Exposure Adjustment Coefficient = 1.0
Roof Cross Slope = 3:9:12, 6:12 & 12:12 (See Elevations)
Wall Height = 9'
Analysis Method = FBC 1609.6 - Simplified Provisions for Low Rise Buildings
(see tables 1609.6A, 1609.6B, 1609.6C and 1609.6E for wind pressure values)

TRUSS ANCHORS:

At Truss to Exterior Wall, Porch Beam and Carport Beam Locations: install one Simpson model H10 hurricane anchor

WALL STRAP TIES:

At top of wall install one Simpson model SP6 at side of each door and window under 4' in width. At top of wall for windows and doors larger than 4' in width install two Simpson model SP6's each side of each opening. All other wall locations install SP6's at top of wall 4' on center and at corners. At the bottom of the wall install 2x8 PT sill plate connected to stemwall with 1/2" anchor bolts(See Wall Typical for spacing requirements) and install CS18 straps 4' on center, each side of door openings and at corners. CS18 straps shall be wrapped around and nailed to the PT sill plate then extended up the stud wall and nailed to the wall studs. Where Carport header frames into wall of home install 1/2" all-thread from 1/2' anchor bolt at the bottom of the wall to the top of the wall. Connect all-thread to anchor bolt with CNWL/2 and install 2-BP1/2 washers with nut at top of beams.

GABLE ENDS:

At gable ends install one Simpson model H5 anchor where lookouts connect to end gable truss.

At gable ends install one Simpson LSTA18 - 4' on center connecting gable end truss to wall framing.

BRACING: At each gable end install one 2x4 SPF 8' stud spaced 6' on center horizontal along top of bottom chord of trusses, nail with 2-12d nails at each truss including end truss. In addition, install a 2x4 brace extending from this stud at the gable end truss 45 degrees to truss at roof sheathing, nail with 2-12d nails where it crosses truss members and at ends. Gable end truss shall be built to receive sheathing with vertical members 2' on center. Vertical members of gable end truss greater than 5' in height shall be stiffened with one 2x4 SPF nailed with 12d nails 8' on center to back of vertical member.

SHEATHING:

Wall sheathing shall be installed with long dimension vertical on exterior walls and full-depth blocking shall be required at horizontal joints in sheathing.

PORCH COLUMNS:

Install Simpson model ABU44 and AC4Max at each column (ACE4Max may be used at end columns) Connect Porch beam to carport beam with Simpson model HUC412.

CARPORT COLUMNS:

See Foundation/Floor Framing Plan for Masonry column requirements. Wood column shall be 4x6 PT with Simpson ABU46 and AC6Max anchors installed at bottom and top of column.

Equivalent capacity anchors may be substituted, installed in accordance with the manufacturers requirements.



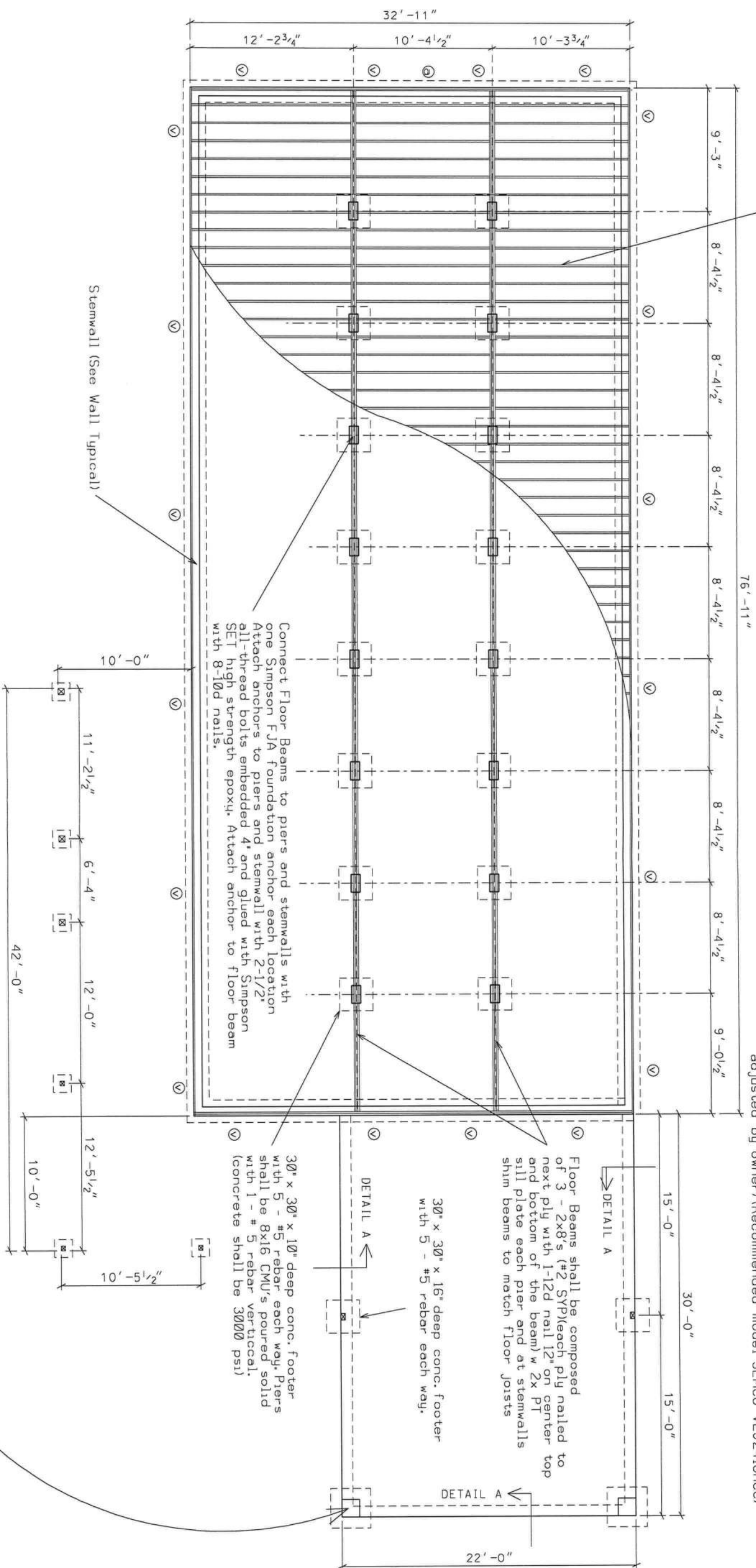
PLANS PREPARED BY:
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Hedrickson/Windenburg Residence
COLUMBIA COUNTY, FLORIDA

Note: at left and right end walls install rim joist and an additional floor joist.

Locations of 8"x16" foundation vent openings (20 total required) over vent openings. The vents may be covered with 1x1s placed over vent openings. The vents may be covered with one of the following materials: 1.) Perforated sheet metal plates not less than 0.07 inch thick, 2.) Expanded sheet metal plates not less than 0.047 inch thick, 3.) Cast Iron Grills or Grating, 4.) Extruded load-bearing brick vents, 5.) Hardware cloth of 0.035 inch wire or heavier, 6.) Corrosion-resistant wire mesh 1/8" thick min.

③ — Location of 24"x16" steel foundation access door (location may be adjusted by owner) (Recommended model SEMCO VEJ2416ACC)

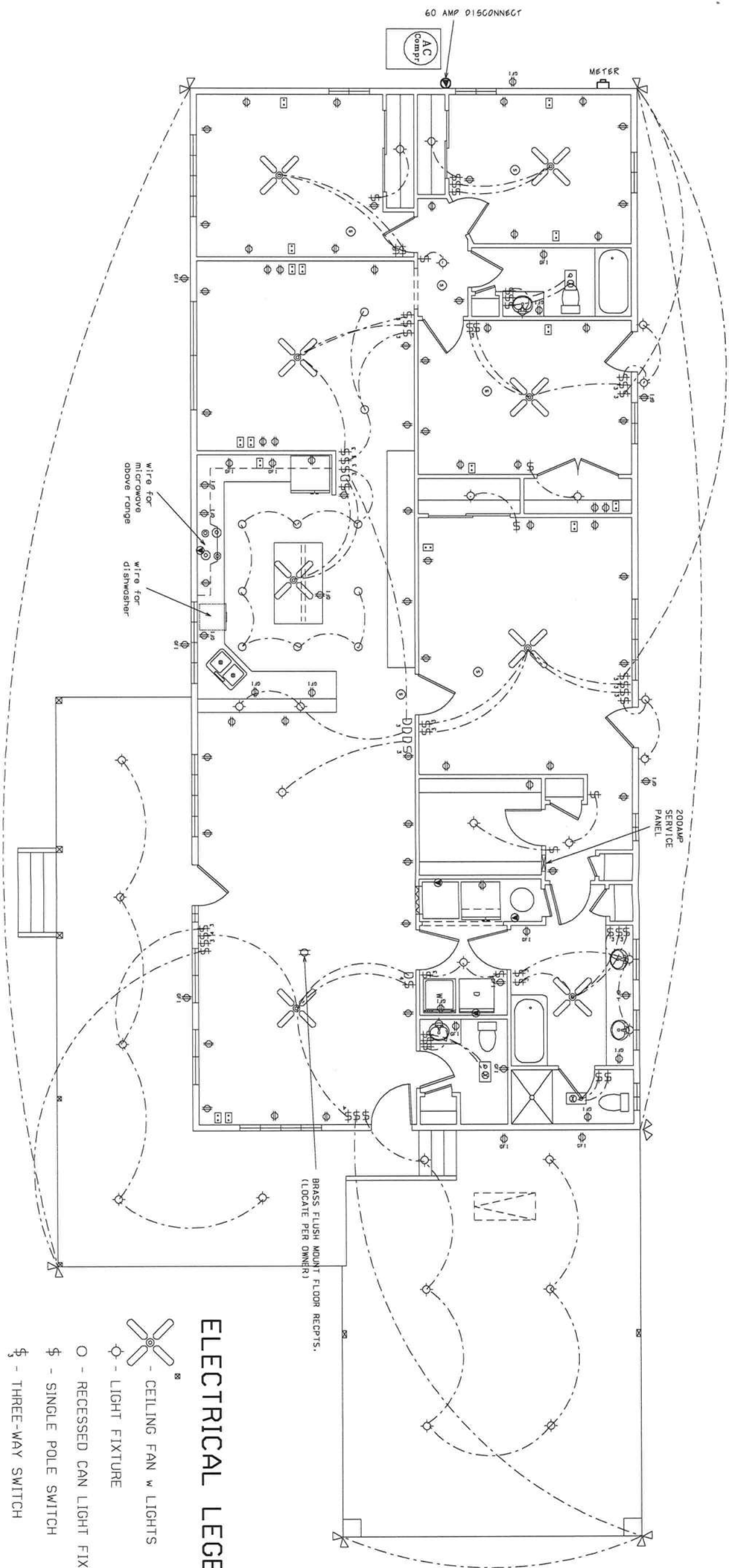


FOUNDATION/FLOOR FRAMING PLAN

MASONRY COLUMNS FOR CARPORT

Masonry pier footer shall be 36" x 36" x 18" deep with 5-#5 rebar each way (mat), with 4 - #5 vertical rebar with ACI hooks in footer (3000 psi concrete). Piers shall be 16" x 16" column blocks with 4 - #5 rebar poured solid with 3000 psi concrete. Install 1 - Simpson model S5TB24(5/8" diameter) and 1 - Simpson model HD5A with 2 - 3/4" bolts each column to beam connection.

SCD
Marty J. Ryan
4-12-07



ELECTRICAL PLAN

0 4' 8'
Scale

NOTES:

- 1.) ALL EXTERIOR RECEPTACLES SHALL BE WEATHERPROOF.
- 2.) ALL BEDROOM RECPTS SHALL BE PART OF AN AFCI CIRCUIT. EACH BEDROOM SHALL BE ON AN INDIVIDUAL AFC CIRCUIT.

ELECTRICAL LEGEND

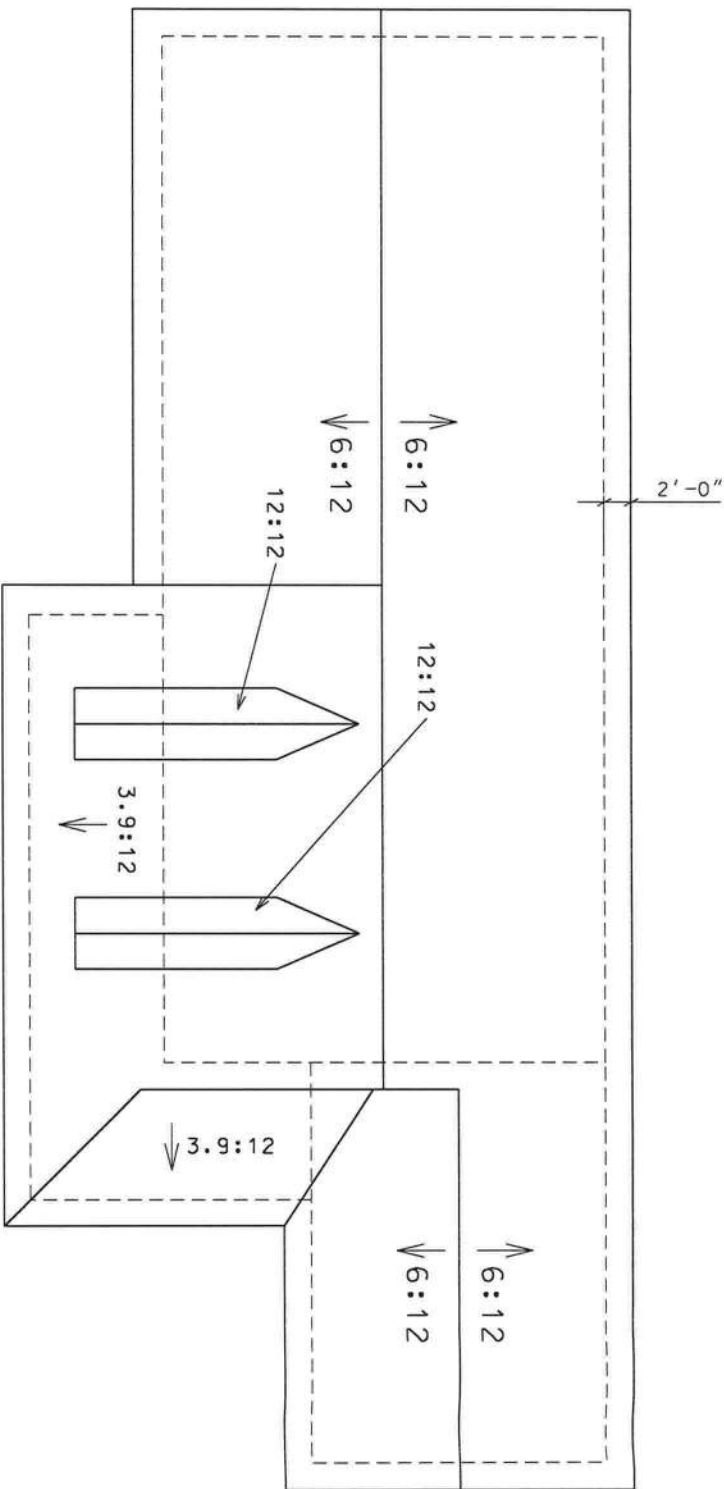
- CEILING FAN w LIGHTS
- LIGHT FIXTURE
- RECESSED CAN LIGHT FIXTURE
- SINGLE POLE SWITCH
- THREE-WAY SWITCH
- FOUR-WAY SWITCH
- DIMMER SWITCH
- THREE-WAY DIMMER SWITCH
- FOUR-WAY DIMMER SWITCH
- RECEPT.
- GFI RECEPT OR PART OF A GFI CIR.
- SECURITY LIGHT
- EXHAUST WITH LIGHT
- 220 V.
- SMOKE DETECTOR (AC/DC and interconnected)
- TELEPHONE AND RG6 COAX

Marty J. Humphries
4-12-07

Hedrickson/Windenburg Residence
COLUMBIA COUNTY, FLORIDA

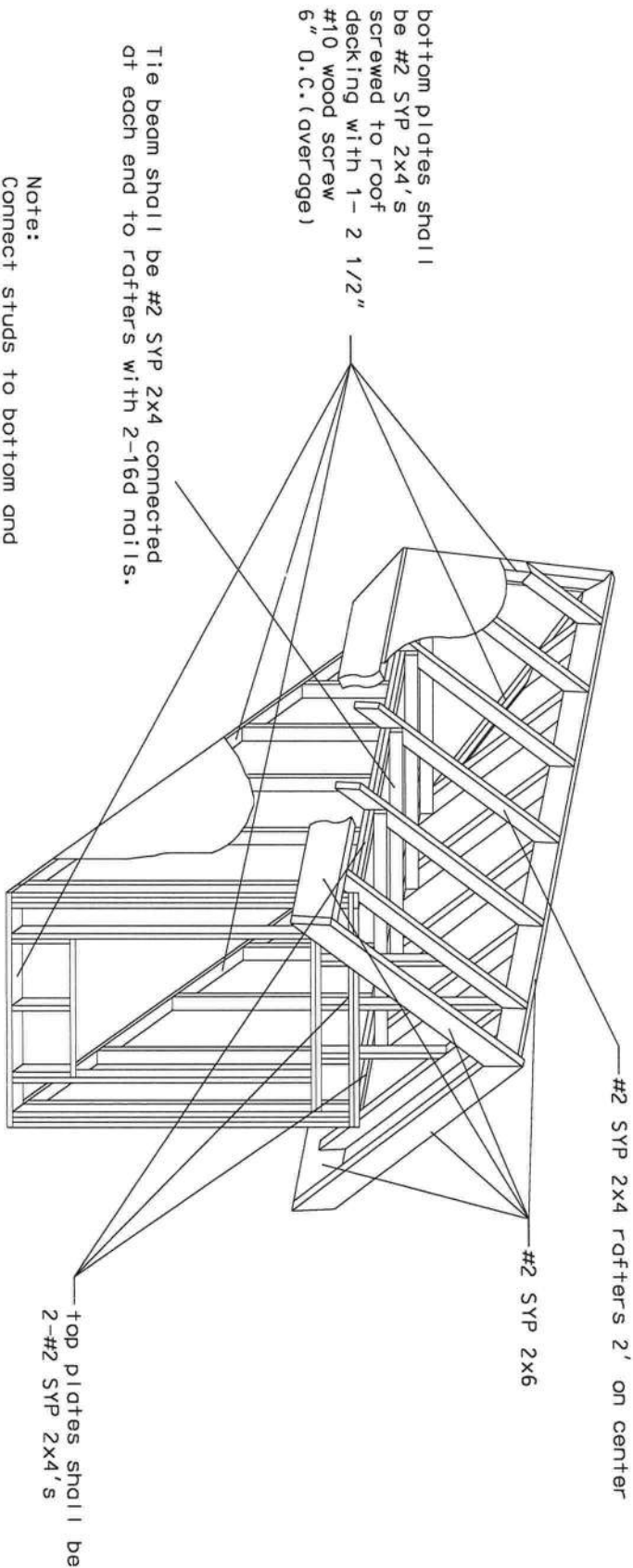
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7932 240TH ST., O'BRIEN, FL 32071





ROOF PLAN (N.T.S.)

Note: All trusses are catilever trusses with 2' eaves. Gable end trusses shall be drop trusses with vertical members 2' on center to receive sheathing.



Note: Connect studs to bottom and top plates with 2-16d nails and connect roof rafters to ridge plate with 2-16d nails. Also connect fascia plate to rafters with 2-16d nails at each location.

DORMER FRAMING DETAIL

WINDOWS	
SIZE	QUANTITY
2030	3
2050	1
3010 transom	2
dbl 3040's	1
3050	4
dbl 3050's	4
4050	2
dbl 4050's	1

EXTERIOR DOORS	
SIZE	QUANTITY
3068	2
3068 french door	1
3068 w side lt.	1
attic access dr.	1

INTERIOR DOORS	
SIZE	QUANTITY
1668	2
2068	3
2468	1
2868	6
3068	5
5068 sliding doors	1
6068 sliding doors	2
6068 dbl. doors	1

WINDOW AND DOOR SIZES

Rough-in dimensions vary per model/make of window/door. Verify actual rough-in dimensions prior to constructing opening.

Marty J. Humphries
5-6-07



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Hedrickson/Windenburg Residence
COLUMBIA COUNTY, FLORIDA

SHEET

8
OF
9