

DATE 05/14/2009

Columbia County Building Permit
This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000027811

APPLICANT BRANDI HEBB PHONE 386.754.5555
ADDRESS 248 SE NASSAU STREET LAKE CITY FL 32025
OWNER KIMBERLY CHRISTIE PHONE 386.965.3494
ADDRESS 8877 N US HWY 441 LAKE CITY FL 32055
CONTRACTOR BRANDI N. HEBB PHONE 386.754.5555
LOCATION OF PROPERTY 441-N TO 5 MILES OUT FROM I-10 ON THE THE RIGHT SIDE.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 99700.00
HEATED FLOOR AREA 1322.00 TOTAL AREA 1994.00 HEIGHT 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 XPSP DEVELOPMENT PERMIT NO.

PARCEL ID 17-2S-17-04720-000 SUBDIVISION
LOT BLOCK PHASE UNIT TOTAL ACRES 1.00

CBC1257313
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
FDOT-EXISTING 09-268 BLK HD N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE. 1 FOOT ABOVE ROAD. LEGAL NON-CONFORMING LOT OF RECORD.
SECTION 2.3.1

Check # or Cash 16913

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$ 500.00 CERTIFICATION FEE \$ 9.97 SURCHARGE FEE \$ 9.97
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 594.94
INSPECTORS OFFICE CLERKS OFFICE

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

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

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

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



Columbia County Building Permits Application

Application # _____

Property ID Number <u>17-2S-17-04720-000</u>		Septic Permit No. <u>09-268</u>	
Subdivision Name _____		Lot _____	Block _____
Unit _____		Phase _____	
Construction of <u>Single Family Residence</u>		Cost of Construction <u>\$100,000.</u>	
Mobile Home Permit - New or Used (Circle One)		Year _____	Length _____
		Width _____	
Name of the Authorized Person Signing the Permit <u>Brandi N. Hebb</u>			
Phone <u>754-5555</u>		Fax <u>719-9899</u>	
Address <u>248 SE Nassau Street Lake City FL 32025</u>			
Owners Name <u>Kimberly Christie</u>		Phone <u>965-3494</u>	
911 Address <u>8877 N US HWY 441 LAKE CITY FL 32055</u>			
Relationship to Property Owner <u>Contractor</u>		Is this Home Replacing an Existing Home <u>YES</u>	
Contractors Name <u>Brandi N. Hebb</u>		Phone <u>754-5555</u>	
Company Name <u>ERKINGER Home Builders</u>		Fax <u>719-9899</u>	
Address <u>248 SE Nassau Street Lake City FL 32025</u>			
Fee Simple Owner Name & Address _____			
Bonding Co. Name & Address _____			
Architect/Engineer Name & Address <u>MARK DISOSWAY SW Commerce DR</u>			
Mortgage Lenders Name & Address <u>People's State Bank 350 SW Main Blvd</u>			
Driving Directions to the Property <u>US HWY 441 N. Home is exactly 5 miles north of I-10 on right side.</u>			
Lot Size <u>363'x130'</u> Total Acreage <u>1.00</u> Building across lot numbers _____			
Actual Distance of Structure from Property Lines - Front/Road <u>45'</u> Left Side <u>45'</u> Right Side <u>45'</u> Rear <u>262'</u>			
Number of Stories <u>1</u>		Heated Floor Area <u>1322</u>	Total Floor Area <u>1994</u>
Roof Pitch <u>6/12</u>			
Circle the correct power company - FL Power & Light - Clay Elec. - <u>Suwannee Valley Elec.</u>			
Progress Energy - Slash Pine Electric			
Do you currently have an: <u>Existing Drive</u> or Private Drive or need a Culvert Permit or Culvert Waiver			
See attached DOT letter (Currently using) (Blue Road Sign) (Putting in a Culvert) (No Culvert but do not need a Culvert)			

Both Pages Must be Submitted to obtain a Building Permit.

Revised 12-30-08

- JW LEFT MESSAGE for Brandi: 5.14.09



Columbia County Building Permits Application

Application # _____

TIME LIMITATIONS OF APPLICATIONS: An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

TIME LIMITATIONS OF PERMITS: Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment: According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE: YOU ARE HEREBY NOTIFIED: as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

OWNERS CERTIFICATION: 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. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.

Kimberly Chism
Owners Signature

CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit including all application and permit time limitations.

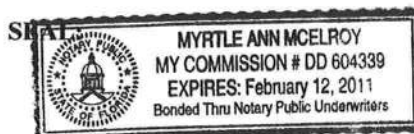
Bruce H. H. H.
Contractor's Signature (Permittee)

Contractor's License Number CBC1257313
Columbia County
Competency Card Number N/A

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 7th day of May 2009.

Personally known or Produced Identification

Myrtle Ann McElroy
State of Florida Notary Signature (For the Contractor)



This Instrument Prepared By:
 Michael H. Harrell
 Abstract & Title Services, Inc.
 283 NW Cole Terrace
 Lake City, Florida 32055

NOTICE OF COMMENCEMENT

TO WHOM IT MAY CONCERN:

The undersigned hereby give notice that Improvements will be made to certain real property and in accordance with Chapter 713, Florida Statutes, the following is provided in this Notice of Commencement:

1. Description of Property: Township 2 South, Range 17 East, Section 17: Begin at the Northwest corner of the NE 1/4 of the SE 1/4 of Section 17, Township 2 South, Range 17 East, thence run South 235 feet for a point of beginning; thence run South 130 feet; thence run East 363 feet; thence run North 130 feet; thence run West 363 feet to the point of beginning, lying and being in Columbia County, Florida.
2. General Description of Improvement: Construction of Dwelling
3. Owner Information:
 - a. Name and Address: Kimberly Christie, 8909 N US Highway 441, Lake City, FL 32055
 - b. Interest in property: Fee Simple
 - c. Name and address of fee simple title holder (if other than Owner): NONE
4. Contractor (name and address): Erkinger Home Builders, Inc, 248 SE Nassau Street, Lake City, FL 32025
5. Surety:
 - a. Name and Address: N/A
 - b. Amount of Bond: N/A
6. LENDER: Peoples State Bank, 350 SW Main Blvd, Lake City, FL 32025
7. Persons within the State of Florida designated by Owner upon whom notices of other documents may be served as provided in Section 713.13(1)(a)7., Florida Statutes: NONE
8. In addition to himself, Owner designates Lonnie T. Haltiwanger, of PEOPLES STATE BANK at 350 sw Main Blvd, lake City, FL 32025, to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b) Florida Statutes.
9. Expiration date of Notice of Commencement (the expiration date is 1 year from the date of recording unless a different date is specified).

Inst:200912006924 Date:4/27/2009 Time:3:56 PM
 04-DC,P DeWitt Casan, Columbia County Page 1 of 1 B:1171 P:2708

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART 1 SECTION 713, 13, FLORIDA STATUTES AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU NEED TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

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

Signed, sealed and delivered in the presence:

Kimberly Christie

Kimberly Christie

Prepared by:
Martha A. Christie
8909 N. U. S. Highway 441
Lake City, Florida 32055

Parcel No. 04720-000

Inst 200812012235 Date: 6/27/2008 Time: 10:45 AM
Doc Stamp-Deed 0.70
DC, P DeWitt Cason, Columbia County Page 1 of 1 B:1153 P:1148

Warranty Deed

Made this June __, 2008 A.D.

By **ROBERT M. CHRISTIE AND MARTHA A. CHRISTIE**, HIS WIFE, hereinafter called the grantor,

to **KIMBERLY CHRISTIE**, whose address is **8909 North U. S. Highway 441, Lake City, Florida 32055**, hereinafter called the grantee:

(Whenever used herein the term "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations)

Witnesseth, that the grantor, for and in consideration of the sum of Ten Dollars, (\$10.00) and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situate in Columbia County, Florida, viz:

TOWNSHIP 2 SOUTH, RANGE 17 EAST

SECTION 17: Begin at the NW corner of the NE 1/4 of the SE 1/4 of Section 17, Township 2 South, Range 17 East
Thence run South 235 feet for a Point of Beginning, Thence run South 130 feet, Thence run East 363 feet,
Thence run North 130 feet, Thence run West 363 feet to the Point of Beginning. **IN COLUMBIA COUNTY, FLORIDA.**

Parcel ID Number: 04720-000

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

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

And the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances except taxes accruing subsequent to December 31, 2007.

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

Signed, sealed and delivered in our presence:

Kim Anaha
Witness Printed Name Kim Graham

Robert M. Christie (Seal)
ROBERT M. CHRISTIE

Edgar J. Lopez
Witness Printed Name EDGAR J. LOPEZ

Martha A. Christie (Seal)
MARTHA A. CHRISTIE

State of FLORIDA
County of COLUMBIA

The foregoing instrument was acknowledged before me this 26 day of JUNE, 2008, by **ROBERT M. CHRISTIE AND MARTHA A. CHRISTIE**, who is/are personally known to me or who has produced _____ as identification.



Linda H. Thompson
Notary Public
Print Name: Linda H. Thompson
My Commission Expires: 9/8/11

2-00 6.00
12.00

This instrument was prepared by:

TERRY McDAVID
Post Office Box 1000
Lake City, Florida 32055

Warranty Deed (STATUTORY FORM—SECTION 689.02 F.S.)

1987

On 6th day of July
LOIS MARIE REGISTER,
of the County of Columbia, State of Florida
DENNIS LAMAR REGISTER
whose post office address is Route 1, Box 148, Lake City, FL 32055
of the County of Columbia, State of Florida

1987
0627-060218
OFFICIAL RECORDS

Witnesseth, That said grantor, for and in consideration of the sum of
Ten and no/100 Dollars,
and other good and valuable considerations to said grantor in hand paid by said grantees, the receipt whereof is hereby
acknowledged, has granted, bargained and sold to the said grantees, and grantees's heirs and assigns forever, the following
described land, situate, lying and being in Columbia County, Florida, to-wit:

TOWNSHIP 2 SOUTH - RANGE 17 EAST

SECTION 17: Begin at the Northwest corner of the NE $\frac{1}{4}$ of the SE $\frac{1}{4}$ of
Section 17, Township 2 South, Range 17 East and run thence South 235
feet for a POINT OF BEGINNING; thence South 130 feet; thence East 363
feet; thence North 130 feet; thence West 363 feet to the POINT OF BEGINNING.

N.B.: The spouse with whom title to this property was acquired was
continuously married to the named grantor in this deed from the time
its acquisition through the time of said spouse's death.

87-07337

and said grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all
persons whomsoever.

* "Grantor" and "grantee" are used for singular or plural, as context requires.

In Witness Whereof, Grantor has hereunto set grantor's hand and seal the day and year first above written.
Signed, sealed and delivered in our presence.

William S. Wiser (Seal)
Lois Marie Register (Seal)
Myrtle Ann McElroy (Seal)
Lois Marie Register

DOCUMENTARY STAMP
INTANGIBLE TAX
MARY B. CHILD, CLERK OF
COUNTY OF COLUMBIA

STATE OF FLORIDA
COUNTY OF COLUMBIA
BY William S. Wiser D.C.

I HEREBY CERTIFY that on this day before me, an officer duly qualified to take acknowledgments, personally appeared
LOIS MARIE REGISTER,

to me known to be the person described in and who executed the foregoing instrument and acknowledged before me that
she executed the same.
WITNESS my hand and official seal in the County and State last aforesaid this 6th day of July, 1987.

My commission expires: 8-20-90

William S. Wiser
Notary Public



Official Records Search Results

[New Search](#)[Help & Search Tips](#)[Document Date Range](#)

The following Official Records have been found to match your search criteria. To order a specific Record, click the "Order" box to the left of the Record and then click the "Order Record(s)" button at the bottom of the page.

May 14, 2009

Your search returned 1 documents and 2 parties.

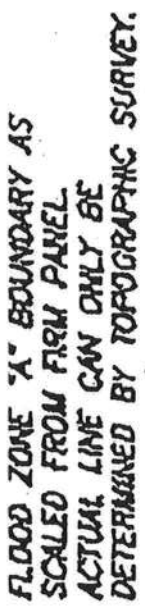
The number of Pages are estimated for documents where the Pages value is marked with *.

Order	From	To	Date	Document Type	County	Instrument Number	Book/Page	Pages
☐	REGISTER LOIS MARIE	REGISTER DENNIS LAMAR	07/07/1987	DEED	COLUMBIA	870007337	627/218	1
Description: PART SEC 17 T2S R17E (View Image)								

[END OF RECORDS]

Order Record(s)

PLOT PLAN





0905-14

**FAX
MEMORANDUM****MEMORANDUM****FLORIDA DEPARTMENT OF TRANSPORTATION**

To: Mr. John Kerce, Dept. Director
Columbia Co. Building & Zoning Dept.
Fax No: 386-758-2160

From: Dale L. Cray, FDOT Permits Insp.
Date: 4-07-2009 **Fax No.** 386-961-7183
Attention: Col Co. Building Zoning Dept.

☐ Sign and return. ☐ For your files. ☐ Please call me. ☒ FYI ☐ For Review

REF: Ex Res Driveway

PROJECT: Kimberly Christle

PARCEL ID No: 17-2S-17-04720-000 **Permit No :** N/A **Sec No :** 29070

MILE POST: N/A

Mr. Kerce

Please accept this as our legal notice of final passing inspection for (Kimberly Christle) for existing residential driveway. The project address 8909 N US Hwy 441 Lake City, FL 32055.

The existing Access has been inspected and (Approved) and, meets FDOT Standard Requirements.

If further information is required on this project please do not hesitate to contact this office for additional access permitting information details. My office number is 961-7193 or 961-7146.

Sincerely,



Dale L. Cray
Access Permits Inspector



COLUMBIA COUNTY

911 ADDRESSING / GIS DEPARTMENT

P. O. Box 1787, Lake City, FL 32056-1787
Telephone: (386) 758-1125 * Fax: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com



911 Address Assignment Notice

To maintain the Countywide Addressing Policy you must make application for a 911 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: 4/14/2009

DATE ISSUED: 4/27/2009

ENHANCED 911 ADDRESS ASSIGNMENT:

8877 N US HIGHWAY 441

LAKE CITY FL 32055

PROPERTY APPRAISER PARCEL NUMBER:

17-2S-17-04720-000

Remarks:

Address Issued By: S/ RONAL N. CROFT

Columbia County 911 Addressing / GIS Department ID #: 1429

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

Columbia County Property Appraiser

DB Last Updated: 4/27/2009

Parcel: 17-2S-17-04720-000

2009 Preliminary Values

Tax Record

Property Card

Interactive GIS Map

Print

Owner & Property Info

<< Prev Search Result: 10 of 20 Next >>

Owner's Name	CHRISTIE KIMBERLY		
Site Address	US HIGHWAY 441		
Mailing Address	8909 N US HIGHWAY 441 LAKE CITY, FL 32055		
Use Desc. (code)	AC/XFOB (009901)		
Neighborhood	017217.00	Tax District	3
UD Codes		Market Area	03
Total Land Area	1.000 ACRES		
Description	COMM AT NW COR OF NE1/4 OF SE1/4, RUN S 235 FT FOR POB, RUN E 363 FT, S 130 FT, W 363 FT, N 130 FT TO POB. EX R/W. ORB 627-218, 724-283, 830-2028 WD 1153-1148		

GIS Aerial**Property & Assessment Values**

Mkt Land Value	cnt: (1)	\$6,724.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (1)	\$1,000.00
Total Appraised Value		\$7,724.00

Just Value	\$7,724.00
Class Value	\$0.00
Assessed Value	\$7,724.00
Exemptions	\$0.00
Total Taxable Value	County: \$7,724.00 City: \$7,724.00 Other: \$7,724.00 School: \$7,724.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
6/26/2008	1153/1148	WD	I	U	01	\$100.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
NONE						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0285	SALVAGE	0	\$1,000.00	0000001.000	0 x 0 x 0	(000.00)

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000700	MISC RES (MKT)	0000001.000 AC	1.00/1.00/1.00/1.00	\$6,724.58	\$6,724.00

Columbia County Property Appraiser

DB Last Updated: 4/27/2009

<< Prev

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Next >>

CLYATT WELL DRILLING, INC.*(Established in 1971)*

Post Office Box 180

Worthington Springs, FL 32697

Phone (386)496-2488 *** FAX (386)496-4640

WELL DESCRIPTION

DESCRIPTION DATE

CUSTOMER NAME AND ADDRESS

Erkinger Home Builders
Attn.: Matthew A. Erkinger
248 Southeast Nassau Street
Lake City, Florida 32025

DESCRIPTION OF WORK

4" Well and Pump

DESCRIPTION

Feet 4" Well

1 HP Submersible Pump

1-1/4" Drop Pipe

14/3 Submersible Pump Wire

81 Gallon Captive Air Tank

4 X 1-1/4 Well Seal

Pressure Relief Valve

Controls and Fittings

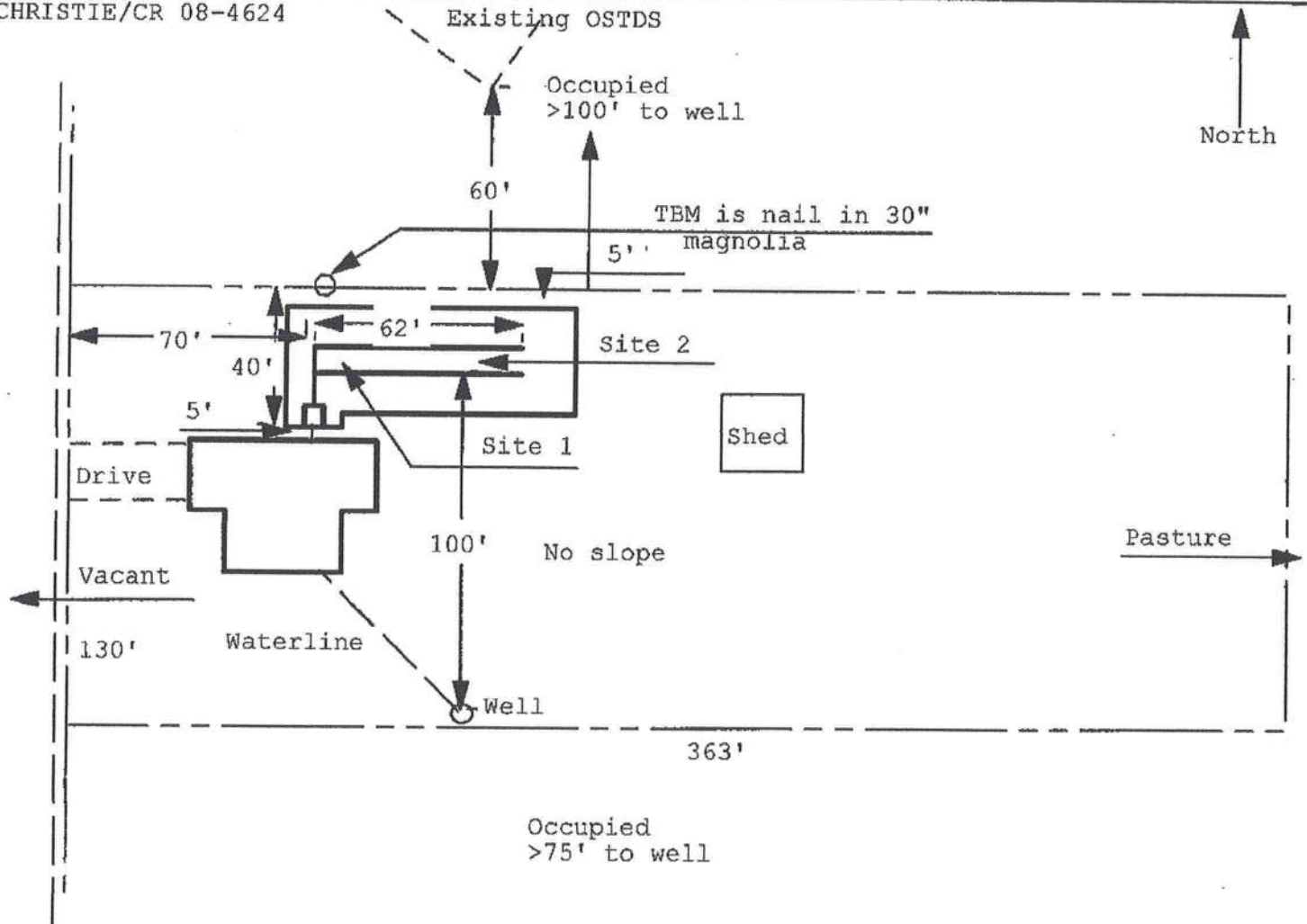
The above description is provided to give a brief description of the residential water well to be constructed by Clyatt Well Drilling, Inc.

K. Christie

Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan
Permit Application Number: 09-0268

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

CHRISTIE/CR 08-4624



1 inch = 50 feet

Site Plan Submitted By Paul L. [Signature] Date 5/1/09
Plan Approved ☒ Not Approved ☐ Date 5-7-09
By M. S. [Signature] Columbia CPHU

Notes: _____

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

Project Name: 904154ErkingerBuildersCristieKimRes
 Street: 8877 N. 441
 City, State, Zip: Lake City, FL, 32055-
 Owner: Kim Christie
 Design Location: FL, Gainesville

Builder Name: Erkinger Builders
 Permit Office: COLUMBIA
 Permit Number: 27811
 Jurisdiction: 22000

1. New construction or existing	New (From Plans)	
2. Single family or multiple family	Single-family	
3. Number of units, if multiple family	1	
4. Number of Bedrooms	3	
5. Is this a worst case?	Yes	
6. Conditioned floor area (ft ²)	1322	
7. Windows	Description	Area
a. U-Factor:	Dbl, U=0.32	176.25 ft ²
SHGC:	SHGC=0.30	
b. U-Factor:	N/A	ft ²
SHGC:		
c. U-Factor:	N/A	ft ²
SHGC:		
d. U-Factor:	N/A	ft ²
SHGC:		
e. U-Factor:	N/A	ft ²
SHGC:		
8. Floor Types	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	1322.00 ft ²
b. N/A	R=	ft ²
c. N/A	R=	ft ²

9. Wall Types	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	1064.00 ft ²
b. Frame - Wood, Adjacent	R=13.0	208.00 ft ²
c. N/A	R=	ft ²
d. N/A	R=	ft ²
10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=30.0	1370.00 ft ²
b. N/A	R=	ft ²
c. N/A	R=	ft ²
11. Ducts		
a. Sup: Attic Ret: Interior AH: Interior Sup. R= 6, 130 ft ²		
12. Cooling systems		
a. Central Unit	Cap: 28 kBtu/hr	SEER: 13
13. Heating systems		
a. Electric Heat Pump	Cap: 28 kBtu/hr	HSPF: 7.8
14. Hot water systems		
a. Electric	Cap: 40 gallons	EF: 0.93
b. Conservation features		
None		
15. Credits		None

Glass/Floor Area: 0.133

Total As-Built Modified Loads: 24.26

Total Baseline Loads: 30.70

PASS

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

PREPARED BY:

DATE: 5/5/09 EVAN BEANSLEY

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

OWNER/AGENT:

DATE:

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



BUILDING OFFICIAL:

DATE:

PROJECT

Title:	904154ErkingerBuildersCristi	Bedrooms:	3	Address Type:	Street Address
Building Type:	FLAsBuilt	Bathrooms:	0	Lot #	
Owner:	Kim Christie	Conditioned Area:	1322	SubDivision:	
# of Units:	1	Total Stories:	1	PlatBook:	17-2S-17-04720-000
Builder Name:	Erkinger Builders	Worst Case:	Yes	Street:	8877 N. 441
Permit Office:		Rotate Angle:	0	County:	Columbia
Jurisdiction:		Cross Ventilation:	No	City, State, Zip:	Lake City ,
Family Type:	Single-family	Whole House Fan:	No		FL , 32055-
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

✓	Design Location	TMY Site	IECC Zone	Design Temp 97.5 %	Design Temp 2.5 %	Int Design Temp Winter	Int Design Temp Summer	Heating Degree Days	Design Moisture	Daily Temp Range
_____	FL, Gainesville	FL_GAINESVILLE_REGI	2	32	92	75	70	1305.5	51	Medium

FLOORS

✓	#	Floor Type	Perimeter	R-Value	Area	Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	201 ft	0	1322 ft²	0.3	0.2	0.5

ROOF

✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
_____	1	Hip	Composition shingles	1478 ft²	0 ft²	Dark	0.96	No	0	26.6 deg

ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	303	1322 ft²	N	N

CEILING

✓	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	30	1370 ft²	0.11	Wood

WALLS

✓	#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
_____	1	N	Exterior	Frame - Wood	13	320 ft²	0	0.23	0.75
_____	2	S	Exterior	Frame - Wood	13	146.67 ft²	0	0.23	0.75
_____	3	E	Exterior	Frame - Wood	13	317.33 ft²	0	0.23	0.75
_____	4	W	Exterior	Frame - Wood	13	280 ft²	0	0.23	0.75
_____	5	??	Garage	Frame - Wood	13	208 ft²		0.23	0.01

DOORS

✓	#	Ornt	Door Type	Storms	U-Value	Area
_____	1	N	Insulated	None	0.46	7 ft²
_____	2	S	Insulated	None	0.46	20 ft²
_____	3	??	Insulated	None	0.46	20 ft²
_____	4	N	Insulated	None	0.46	7 ft²

WINDOWS

Window orientation below is as entered. Actual orientation is modified by rotate angle shown in "Project" section above.

✓	#	Ornt	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Overhang		Int Shade	Screening
_____	1	N	Metal	Double (Clear)	Yes	0.32	0.3	N	6.25 ft²	0 ft 18 in	0 ft 12 in	HERS 2006	None
_____	2	N	Metal	Double (Clear)	Yes	0.32	0.3	N	36 ft²	0 ft 18 in	0 ft 12 in	HERS 2006	None
_____	3	N	Metal	Double (Clear)	Yes	0.32	0.3	N	20 ft²	0 ft 88 in	0 ft 12 in	HERS 2006	None
_____	4	N	Metal	Double (Clear)	Yes	0.32	0.3	N	9 ft²	0 ft 88 in	0 ft 12 in	HERS 2006	None
_____	5	E	Metal	Double (Clear)	Yes	0.32	0.3	N	30 ft²	0 ft 18 in	0 ft 12 in	HERS 2006	None
_____	6	S	Metal	Double (Clear)	Yes	0.32	0.3	N	45 ft²	0 ft 90 in	0 ft 12 in	HERS 2006	None
_____	7	W	Metal	Double (Clear)	Yes	0.32	0.3	N	30 ft²	0 ft 18 in	0 ft 12 in	HERS 2006	None

INFILTRATION & VENTING

✓	Method	SLA	CFM 50	ACH 50	ELA	EqLA	---- Forced Ventilation ----		Run Time	Fan
_____	Default	0.00036	1248	7.08	68.5	128.9	Supply CFM	Exhaust CFM	Fraction	Watts
_____	Default	0.00036	1248	7.08	68.5	128.9	0 cfm	0 cfm	0	0

GARAGE

✓	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
_____	1	457.9982 ft²	457.9982 ft²	64 ft	8 ft	11

COOLING SYSTEM

✓	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ductless
_____	1	Central Unit	None	SEER: 13	28 kBtu/hr	cfm	0.75	

HEATING SYSTEM

✓	#	System Type	Subtype	Efficiency	Capacity	Ductless
_____	1	Electric Heat Pump	None	HSPF: 7.8	28 kBtu/hr	

HOT WATER SYSTEM

✓	#	System Type	EF	Cap	Use	SetPnt	Conservation
_____	1	Electric	0.93	40 gal	60 gal	120 deg	None

SOLAR HOT WATER SYSTEM

✓	FSEC												
	Cert #	Company Name			System Model #		Collector Model #	Collector Area	Storage Volume	FEF			
_____	None	None						ft²					

DUCTS

✓	#	Location	---- Supply ---- R-Value Area	---- Return ---- Location Area	Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
_____	1	Attic	6 130 ft²	Interior 1 ft²	Default Leakage	Interior				

TEMPERATURES

Programable Thermostat: N					Ceiling Fans:									
Cooling	☒ Jan	☒ Feb	☒ Mar	☒ Apr	☒ May	☒ Jun	☒ Jul	☒ Aug	☒ Sep	☒ Oct	☒ Nov	☒ Dec		
Heating	☒ Jan	☒ Feb	☒ Mar	☒ Apr	☒ May	☒ Jun	☒ Jul	☒ Aug	☒ Sep	☒ Oct	☒ Nov	☒ Dec		
Venting	☒ Jan	☒ Feb	☒ Mar	☒ Apr	☒ May	☒ Jun	☒ Jul	☒ Aug	☒ Sep	☒ Oct	☒ Nov	☒ Dec		
Thermostat Schedule: HERS 2006 Reference														
Schedule Type		1	2	3	4	5	6	7	8	9	10	11	12	
Cooling (WD)	AM	78	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	68	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68	68
Heating (WEH)	AM	68	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68	68

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: 8877 N. 441

PERMIT #:

Lake City, FL, 32055-

INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	N1106.AB.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	N1106.AB.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	N1106.AB.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	N1106.AB.1.2.3	Between walls & ceilings; penetrations of ceiling plane to 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	N1106.AB.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 with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	N1106.AB.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	N1106.AB.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	N1112.AB.3	Comply with efficiency requirements in Table N112.ABC.3. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	N1112.AB.2.3	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%. Heat pump pool heaters shall have a minimum COP of 4.0.	
Shower heads	N1112.AB.2.4	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	N1110.AB	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of Section N1110.AB. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	N1107.AB.2	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	N1104.AB.1 N1102.B.1.1	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 INDEX* = 79

The lower the EnergyPerformance Index, the more efficient the home.

1. New construction or existing	New (From Plans)		9. Wall Types	Insulation	Area
2. Single family or multiple family	Single-family		a. Frame - Wood, Exterior	R=13.0	1064.00 ft ²
3. Number of units, if multiple family	1		b. Frame - Wood, Adjacent	R=13.0	208.00 ft ²
4. Number of Bedrooms	3		c. N/A	R=	ft ²
5. Is this a worst case?	Yes		d. N/A	R=	ft ²
6. Conditioned floor area (ft ²)	1322		10. Ceiling Types	Insulation	Area
7. Windows**	Description	Area	a. Under Attic (Vented)	R=30.0	1370.00 ft ²
a. U-Factor:	Dbl, U=0.32	176.25 ft ²	b. N/A	R=	ft ²
SHGC:	SHGC=0.30		c. N/A	R=	ft ²
b. U-Factor:	N/A	ft ²	11. Ducts		
SHGC:			a. Sup: Attic Ret: Interior AH: Interior Sup. R= 6, 130 ft ²		
c. U-Factor:	N/A	ft ²	12. Cooling systems		
SHGC:			a. Central Unit	Cap: 28 kBtu/hr	
d. U-Factor:	N/A	ft ²		SEER: 13	
SHGC:			13. Heating systems		
e. U-Factor:	N/A	ft ²	a. Electric Heat Pump	Cap: 28 kBtu/hr	
SHGC:				HSPF: 7.8	
8. Floor Types	Insulation	Area	14. Hot water systems		
a. Slab-On-Grade Edge Insulation	R=0.0	1322.00 ft ²	a. Electric	Cap: 40 gallons	
b. N/A	R=	ft ²		EF: 0.93	
c. N/A	R=	ft ²	b. Conservation features		
			None		
			15. Credits		None

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

Builder Signature: _____ Date: _____

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



*Note: The home's estimated Energy Performance Index is only available through the EnergyGauge USA - FlaRes2008 computer program. This is not a Building Energy Rating. If your Index is below 100, your home may qualify for 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 energygauge.com 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.

**Label required by Section 13-104.4.5 of the Florida Building Code, Building, or Section B2.1.1 of Appendix G of the Florida Building Code, Residential, if not DEFAULT.

Erkinger Builders

Kim Cristie
Residence

ADDRESS:
8877 N. 441
Lake City, FL 32055
Columbia County
17-2S-17-04720-000

Mark Disosway P.E.
P.O. Box 868
Lake City, Florida 32056
Phone: (386) 754 - 5419
Fax: (386) 269 - 4871

PRINTED DATE:
June 08, 2009

DRAWN BY: EVAN BEAMSLEY
STRUCTURAL BY: EVAN BEAMSLEY

FINALS DATE:
April 30, 2009

JOB NUMBER:
904154

DRAWING NUMBER

S-1

OF 2 SHEETS

Permit 27811

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

DIMENSIONS:
Stated dimensions supercede scaled
dimensions. Refer all questions to
Mark Disosway, P.E. for resolution.
Do not proceed without clarification.

COPYRIGHTS AND PROPERTY RIGHTS:
Mark Disosway, P.E. hereby expressly
reserves its common law copyrights and
property right in these instruments of service.
This document is not to be reproduced, altered
or copied in any form or manner without first
the express written permission and consent
of Mark Disosway.

CERTIFICATION: I hereby certify that I have
examined this plan, and that the applicable
portions of the plan, relating to
wind engineering comply with section
R301.2.1, Florida building code
residential 2007,
to the best of my knowledge.

LIMITATION: This design is valid for one
building, at specified location.

MARK DISOSWAY
P.E. 53915

SEAL

ENGINEERED TRUSSES
ATTACH PER TRUSS UPLIFT

SEE STRUCTURAL PLAN

(2) LSTA21
w/ (8) 16d TO HEADER
& (8) 16d TO POST

4X4 / 6X6 SYP #2 POST

ABU POST BASE
w/ (12) 16d & 5/8" ANCHOR

(TYP.) PORCH POST
ONE STORY WOOD

09/23/2009 15:48 9043625562

TOUCHTON INSUL/WINDO

PAGE 02

PERMIT # 27811



Your home has been professionally insulated with

FiberTEK Fiber Glass Insulation

(Job Site Address)

Name Kimberly Christie
 Address 8877 N US HWY 441
 City Lake City State FL Zip 32056

FiberTEK BIG BATT™ Insulation

Batts and/or blankets will provide the stated R-value when installed in conformance with the manufacturers recommendations below.

R-Value	Thickness
To obtain an installed R-value of:	Installed insulation thickness required:
R-11	5.5"
R-16	8.5"
R-19	10.5"
R-23	13.5"
R-26	15.5"
R-30	18.5"
R-38	24.5"
R-49	31.5"
R-60	39.5"
R-75	49.5"
R-90	59.5"

*R-18 in 5.5" cavity.

The higher the R-value, the greater the insulating power. Loose fill insulation varies in thermal performance due to factors such as aging, mean temperature, settlement, condensation, moisture escape and installation methods. Air movement across loosefill insulation installed in open walls can reduce its thermal performance in extremely cold weather conditions.

FiberTEK InsulTEK1® Unbonded Loosefill Insulation

APPLICATION COVERAGE CHART FOR OPEN BLOW ATTIC: To get the desired R-Value it is important that this product be installed in accordance with the manufacturers instructions using the correct pneumatic equipment and the required number of bags and at least the labeled minimum thickness. Failure to install the required number of bags and at least the minimum installed thickness will result in a lower insulation R-value.

R-Value	Minimum depth of cavity (inches)	Minimum depth of cavity (inches)	Minimum depth of cavity (inches)	Minimum depth of cavity (inches)	Minimum depth of cavity (inches)
To obtain a thermal resistance (R) of:	Bags per 1,000 sq. ft. of net area	Contents of bag should not cover more than 0.4 sq. ft.	Weight per sq. ft. of installed insulation should not be less than (lb/sq. ft.)	Installed insulation should not be less than (inches)	Installed insulation should not be less than (inches)
60	36.5	27	0.930	22.00	22.00
49	29.5	34	0.905	18.00	18.00
44	26.5	36	0.720	16.75	16.75
38	22.5	44	0.820	14.75	14.75
30	18.0	55	0.480	12.00	12.00
26	15.5	65	0.420	10.00	10.00
22	13.1	75	0.390	8.00	8.00
18	11.1	89	0.301	7.75	7.75
13	7.5	129	0.210	5.50	5.50
11	6.5	150	0.180	4.75	4.75

MINIMUM NET BAG WEIGHT = 27 LBS.

BUILDER'S INSULATION INSTALLATION STATEMENT

INSULTEK1® FOR OPEN BLOW ATTIC

New Construction ☒
 Retrofit ☐
 Existing Type(s) of Insulation in Attic _____
 Estimated R-value of Existing Insulation R- _____
 Depth of Existing Insulation _____ inches
 Number of Bags Used _____ bags
 Area of Coverage 1322 sq. ft.
 Thickness of Insulation 12 inches

BIG BATT™ AREA / ELEMENT	R-VALUE	THICKNESS
Attic	R-30	12 inches
Ceilings (sloped)	R-30	12 inches
Floors (over unheated crawlspace)	R-	at inches
Walls	R-13	at 3.5 inches
Basement	R-	at inches
Crawlspace Perimeter	R-	at inches
Crawlspace	R-	at inches

Installation Date: Sept 14, 2009InsulTEK1® has been installed in conformance with manufacturers recommendations to provide an R-Value of R 30using 26 bags of insulation to cover 1322 square feet of area at a minimum thickness of 12 inches.

Installation Contractor (signature) Touchton Insulation & Windows Inc. Date Sept 14, 09
 Home Builder (signature) ERIKINGER HOME BUILDERS, INC Date 9-23-09

CERTIFICATE OF OCCUPANCY

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 17-2S-17-04720-000

Building permit No. 000027811

Use Classification SFD/UTILITY

Fire: 6.42

Permit Holder BRANDI N. HEBB

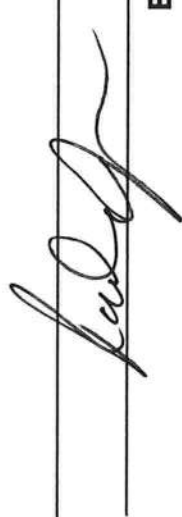
Waste: 16.75

Owner of Building KIMBERLY CHRISTIE

Total: 23.17

Location: 8877 N US HIGHWAY 441, LAKE CITY, FL

Date: 09/25/2009



Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



27811

**FAX
MEMORANDUM****MEMORANDUM****FLORIDA DEPARTMENT OF TRANSPORTATION****To:** Mr. John Kerce, Dept. Director
Columbia Co. Building & Zoning Dept.
Fax No: 386-758-2160**From:** Dale L. Cray, FDOT Permits Insp.
Date: 4-07-2009 **Fax No.** 386-961-7183
Attention: Col Co. Building Zoning Dept.☐ Sign and return. ☐ For your files. ☐ Please call me. **(XX)** FYI ☐ For Review**REF:** Ex Res Driveway**PROJECT:** Kimberly Christie**PARCEL ID No:** 17-2S-17-04720-000 **Permit No :** N/A **Sec No :** 29070**MILE POST:** N/A**Mr. Kerce**

Please accept this as our legal notice of final passing inspection for (Kimberly Christie) for existing residential driveway. The project address 8909 N US Hwy 441 Lake City, Fl.32055.

The existing Access has been inspected and (Approved) and, meets FDOT Standard Requirements.

If further information is required on this project please do not hesitate to contact this office for additional access permitting information details. My office number is 961-7193 or 961-7146.

Sincerely,



Dale L. Cray
Access Permits Inspector

D_SearchResults

Page 1 of 2

Columbia County Property Appraiser

DB Last Updated: 3/5/2009

2009 Preliminary Values



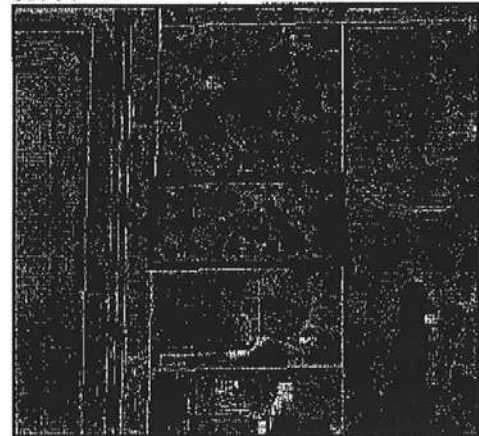
Parcel: 17-2S-17-04720-000

Search Result: 1 of 1

Owner & Property Info

Owner's Name	CHRISTIE KIMBERLY		
Site Address	US HIGHWAY 441		
Mailing Address	8909 N US HIGHWAY 441 LAKE CITY, FL 32055		
Use Desc. (code)	AC/XFOB (009901)		
Neighborhood	17217.00	Tax District	3
UD Codes		Market Area	03
Total Land Area	1.000 ACRES		
Description	COMM AT NW COR OF NE1/4 OF SE1/4, RUN S 235 FT FOR POB, RUN E 363 FT, S 130 FT, W 363 FT, N 130 FT TO POB. EX R/W. ORB 627-218, 724-283, 830-2028 WD 1153-1148		

GIS Aerial



Property & Assessment Values

Mkt Land Value	cnt: (1)	\$6,724.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (1)	\$1,000.00
Total Appraised Value		\$7,724.00

Just Value	\$7,724.00
Class Value	\$0.00
Assessed Value	\$7,724.00
Exempt Value	\$0.00
Total Taxable Value	\$7,724.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
6/26/2008	1153/1148	WD	I	U	01	\$100.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
NONE						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0285	SALVAGE	0	\$1,000.00	1.000	0 x 0 x 0	(.00)

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000700	MISC RES (MKT)	1.000 AC	1.00/1.00/1.00/1.00	\$6,724.58	\$6,724.00

Columbia County Property Appraiser

DB Last Updated: 3/5/2009

1 of 1

Residential System Sizing Calculation

Summary

Kim Christie
8877 N. 441
Lake City, FL 32055-

Project Title:
904154ErkingerBuildersCristieKimRes.MANJ

Class 3 Rating
Registration No. 0
Climate: North

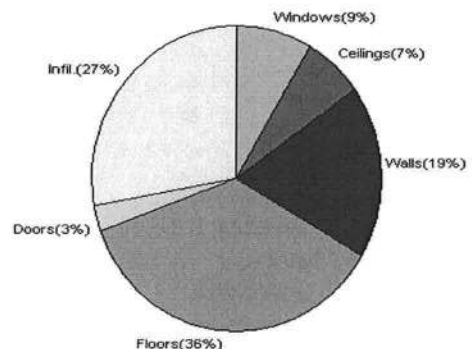
5/5/2009

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation	24413 Btuh	Total cooling load calculation	19949 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	114.7 28000	Sensible (SHR = 0.75)	134.7 21000
Heat Pump + Auxiliary(0.0kW)	114.7 28000	Latent	160.7 7000
		Total (Electric Heat Pump)	140.4 28000

WINTER CALCULATIONS

Winter Heating Load (for 1322 sqft)

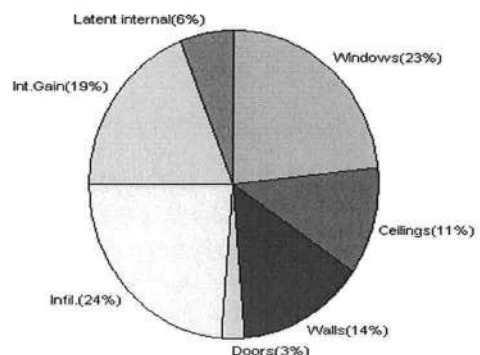
Load component			Load	
Window total	176	sqft	2087	Btuh
Wall total	1378	sqft	4524	Btuh
Door total	54	sqft	699	Btuh
Ceiling total	1370	sqft	1614	Btuh
Floor total	201	sqft	8776	Btuh
Infiltration	166	cfm	6712	Btuh
Duct loss			0	Btuh
Subtotal			24413	Btuh
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			24413	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1322 sqft)

Load component			Load	
Window total	176	sqft	4642	Btuh
Wall total	1378	sqft	2765	Btuh
Door total	54	sqft	529	Btuh
Ceiling total	1370	sqft	2269	Btuh
Floor total			0	Btuh
Infiltration	86	cfm	1607	Btuh
Internal gain			3780	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			15593	Btuh
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			3156	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1200	Btuh
Total latent gain			4356	Btuh
TOTAL HEAT GAIN			19949	Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY:

DATE: 5/5/09 EVAN BEAMSLEY

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Kim Christie
8877 N. 441
Lake City, FL 32055-

Project Title:
904154ErkingerBuildersCristieKimRes.MANJ

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F
This calculation is for Worst Case. The house has been rotated 315 degrees.

5/5/2009

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, SHGC=0.3, Metal, 0.32	NW	6.3		11.8	75 Btuh
2	2, SHGC=0.3, Metal, 0.32	NW	36.0		11.8	426 Btuh
3	2, SHGC=0.3, Metal, 0.32	NW	20.0		11.8	237 Btuh
4	2, SHGC=0.3, Metal, 0.32	NW	9.0		11.8	107 Btuh
5	2, SHGC=0.3, Metal, 0.32	NE	30.0		11.8	355 Btuh
6	2, SHGC=0.3, Metal, 0.32	SE	45.0		11.8	533 Btuh
7	2, SHGC=0.3, Metal, 0.32	SW	30.0		11.8	355 Btuh
Window Total			176(sqft)			2087 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1190		3.3	3907 Btuh
2	Frame - Wood - Adj(0.09)	13.0	188		3.3	617 Btuh
Wall Total			1378			4524 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Adjacent		20		12.9	259 Btuh
2	Insulated - Exterior		20		12.9	259 Btuh
3	Insulated - Exterior		14		12.9	181 Btuh
Door Total			54			699Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1370		1.2	1614 Btuh
Ceiling Total			1370			1614Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	201.0 ft(p)		43.7	8776 Btuh
Floor Total			201			8776 Btuh
Zone Envelope Subtotal:						17701 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=		
	Natural	0.94	10576	165.7		6712 Btuh
Ductload	Partially sealed, R6.0, Supply(Attic), Return(Conditioned) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					24413 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Kim Christie
8877 N. 441
Lake City, FL 32055-

Project Title:
904154ErkingerBuildersCristieKimRes.MANJ

Class 3 Rating
Registration No. 0
Climate: North

5/5/2009

WHOLE HOUSE TOTALS

	Subtotal Sensible Ventilation Sensible Total Btuh Loss	24413 Btuh 0 Btuh 24413 Btuh
--	--	------------------------------------

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

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



For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Kim Christie
8877 N. 441
Lake City, FL 32055-

Project Title:
904154ErkingerBuildersCristieKimRes.MANJ

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F
This calculation is for Worst Case. The house has been rotated 315 degrees.

5/5/2009

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, SHGC=0.3, Metal, 0.32	NW	6.3		11.8	75 Btuh
2	2, SHGC=0.3, Metal, 0.32	NW	36.0		11.8	426 Btuh
3	2, SHGC=0.3, Metal, 0.32	NW	20.0		11.8	237 Btuh
4	2, SHGC=0.3, Metal, 0.32	NW	9.0		11.8	107 Btuh
5	2, SHGC=0.3, Metal, 0.32	NE	30.0		11.8	355 Btuh
6	2, SHGC=0.3, Metal, 0.32	SE	45.0		11.8	533 Btuh
7	2, SHGC=0.3, Metal, 0.32	SW	30.0		11.8	355 Btuh
Window Total			176(sqft)			2087 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1190		3.3	3907 Btuh
2	Frame - Wood - Adj(0.09)	13.0	188		3.3	617 Btuh
Wall Total			1378			4524 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Adjacent		20		12.9	259 Btuh
2	Insulated - Exterior		20		12.9	259 Btuh
3	Insulated - Exterior		14		12.9	181 Btuh
Door Total			54			699Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1370		1.2	1614 Btuh
Ceiling Total			1370			1614Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	201.0 ft(p)		43.7	8776 Btuh
Floor Total			201			8776 Btuh
Zone Envelope Subtotal:						17701 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=		
	Natural	0.94	10576	165.7		6712 Btuh
Ductload	Partially sealed, R6.0, Supply(Attic), Return(Conditioned) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					24413 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Kim Christie
8877 N. 441
Lake City, FL 32055-

Project Title:
904154ErkingerBuildersCristieKimRes.MANJ

Class 3 Rating
Registration No. 0
Climate: North

5/5/2009

WHOLE HOUSE TOTALS

	Subtotal Sensible	24413 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	24413 Btuh

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

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



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Kim Christie
8877 N. 441
Lake City, FL 32055-

Project Title:
904154ErkingerBuildersCristieKimRes.MANJ

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F
This calculation is for Worst Case. The house has been rotated 315 degrees.

5/5/2009

Component Loads for Whole House

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, SHGC=0.3, 0.32, None,N,N	NW	1.5ft	3.5ft	6.3	0.0	6.3	12	26	162	Btuh
2	2, SHGC=0.3, 0.32, None,N,N	NW	1.5ft	7ft.	36.0	0.0	36.0	12	26	925	Btuh
3	2, SHGC=0.3, 0.32, None,N,N	NW	7.33	7ft.	20.0	0.0	20.0	12	26	514	Btuh
4	2, SHGC=0.3, 0.32, None,N,N	NW	7.33	4ft.	9.0	0.0	9.0	12	26	231	Btuh
5	2, SHGC=0.3, 0.32, None,N,N	NE	1.5ft	6ft.	30.0	0.0	30.0	12	26	771	Btuh
6	2, SHGC=0.3, 0.32, None,N,N	SE	7.5ft	7ft.	45.0	45.0	0.0	12	27	530	Btuh
7	2, SHGC=0.3, 0.32, None,N,N	SW	1.5ft	6ft.	30.0	9.1	20.9	12	27	667	Btuh
	Excursion									841	Btuh
	Window Total				176 (sqft)					4642 Btuh	
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load	
1	Frame - Wood - Ext		13.0/0.09		1189.7			2.1		2481 Btuh	
2	Frame - Wood - Adj		13.0/0.09		188.0			1.5		284 Btuh	
	Wall Total				1378 (sqft)					2765 Btuh	
Doors	Type				Area (sqft)			HTM		Load	
1	Insulated - Adjacent				20.0			9.8		196 Btuh	
2	Insulated - Exterior				20.0			9.8		196 Btuh	
3	Insulated - Exterior				14.0			9.8		137 Btuh	
	Door Total				54 (sqft)					529 Btuh	
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle		30.0		1370.0			1.7		2269 Btuh	
	Ceiling Total				1370 (sqft)					2269 Btuh	
Floors	Type		R-Value		Size			HTM		Load	
1	Slab On Grade		0.0		201 (ft(p))			0.0		0 Btuh	
	Floor Total				201.0 (sqft)					0 Btuh	
	Zone Envelope Subtotal:									10205 Btuh	
Infiltration	Type		ACH		Volume(cuft)			CFM=		Load	
	SensibleNatural		0.49		10576			86.4		1607 Btuh	
Internal gain			Occupants		Btuh/occupant			Appliance		Load	
			6		X 230 +			2400		3780 Btuh	
Duct load	Partially sealed, R6.0, Supply(Attic), Return(Conditioned)									DGM = 0.00	
	Sensible Zone Load									15593 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Kim Christie
8877 N. 441
Lake City, FL 32055-

Project Title:
904154ErkingerBuildersCristieKimRes.MANJ

Class 3 Rating
Registration No. 0
Climate: North

5/5/2009

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	15593 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	15593 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	15593 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	3156 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	4356 Btuh
	TOTAL GAIN	19949 Btuh

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Kim Christie
8877 N. 441
Lake City, FL 32055-

Project Title:
904154ErkingerBuildersCristieKimRes.MANJ

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F
This calculation is for Worst Case. The house has been rotated 315 degrees.

5/5/2009

Component Loads for Zone #1: Main

Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, SHGC=0.3, 0.32, None,N,N	NW	1.5ft	3.5ft	6.3	0.0	6.3	12	26	162	Btuh
2	2, SHGC=0.3, 0.32, None,N,N	NW	1.5ft	7ft.	36.0	0.0	36.0	12	26	925	Btuh
3	2, SHGC=0.3, 0.32, None,N,N	NW	7.33	7ft.	20.0	0.0	20.0	12	26	514	Btuh
4	2, SHGC=0.3, 0.32, None,N,N	NW	7.33	4ft.	9.0	0.0	9.0	12	26	231	Btuh
5	2, SHGC=0.3, 0.32, None,N,N	NE	1.5ft	6ft.	30.0	0.0	30.0	12	26	771	Btuh
6	2, SHGC=0.3, 0.32, None,N,N	SE	7.5ft	7ft.	45.0	45.0	0.0	12	27	530	Btuh
7	2, SHGC=0.3, 0.32, None,N,N	SW	1.5ft	6ft.	30.0	9.1	9.9	12	27	667	Btuh
Excursion										841	Btuh
Window Total					176 (sqft)					4642 Btuh	
Walls	Type		R-Value/U-Value		Area(sqft)		HTM		Load		
	1	Frame - Wood - Ext		13.0/0.09	1189.7		2.1		2481 Btuh		
	2	Frame - Wood - Adj		13.0/0.09	188.0		1.5		284 Btuh		
	Wall Total				1378 (sqft)				2765 Btuh		
Doors	Type				Area (sqft)		HTM		Load		
	1	Insulated - Adjacent			20.0		9.8		196 Btuh		
	2	Insulated - Exterior			20.0		9.8		196 Btuh		
	3	Insulated - Exterior			14.0		9.8		137 Btuh		
	Door Total				54 (sqft)				529 Btuh		
Ceilings	Type/Color/Surface		R-Value		Area(sqft)		HTM		Load		
	1	Vented Attic/DarkShingle		30.0	1370.0		1.7		2269 Btuh		
	Ceiling Total				1370 (sqft)				2269 Btuh		
Floors	Type		R-Value		Size		HTM		Load		
	1	Slab On Grade		0.0	201 (ft(p))		0.0		0 Btuh		
	Floor Total				201.0 (sqft)				0 Btuh		
	Zone Envelope Subtotal:									10205 Btuh	
Infiltration	Type		ACH		Volume(cuft)		CFM=		Load		
	SensibleNatural		0.49		10576		86.4		1607 Btuh		
Internal gain			Occupants		Btuh/occupant		Appliance		Load		
			6		X 230 +		2400		3780 Btuh		
Duct load	Partially sealed, R6.0, Supply(Attic), Return(Conditioned)							DGM = 0.00		0.0 Btuh	
	Sensible Zone Load									15593 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Kim Christie
8877 N. 441
Lake City, FL 32055-

Project Title:
904154ErkingerBuildersCristieKimRes.MANJ

Class 3 Rating
Registration No. 0
Climate: North

5/5/2009

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	15593 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	15593 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	15593 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	3156 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	4356 Btuh
	TOTAL GAIN	19949 Btuh

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)



For Florida residences only

Residential Window Diversity

MidSummer

Kim Christie
8877 N. 441
Lake City, FL 32055-

Project Title:
904154ErkingerBuildersCristieKimRes.MANJ

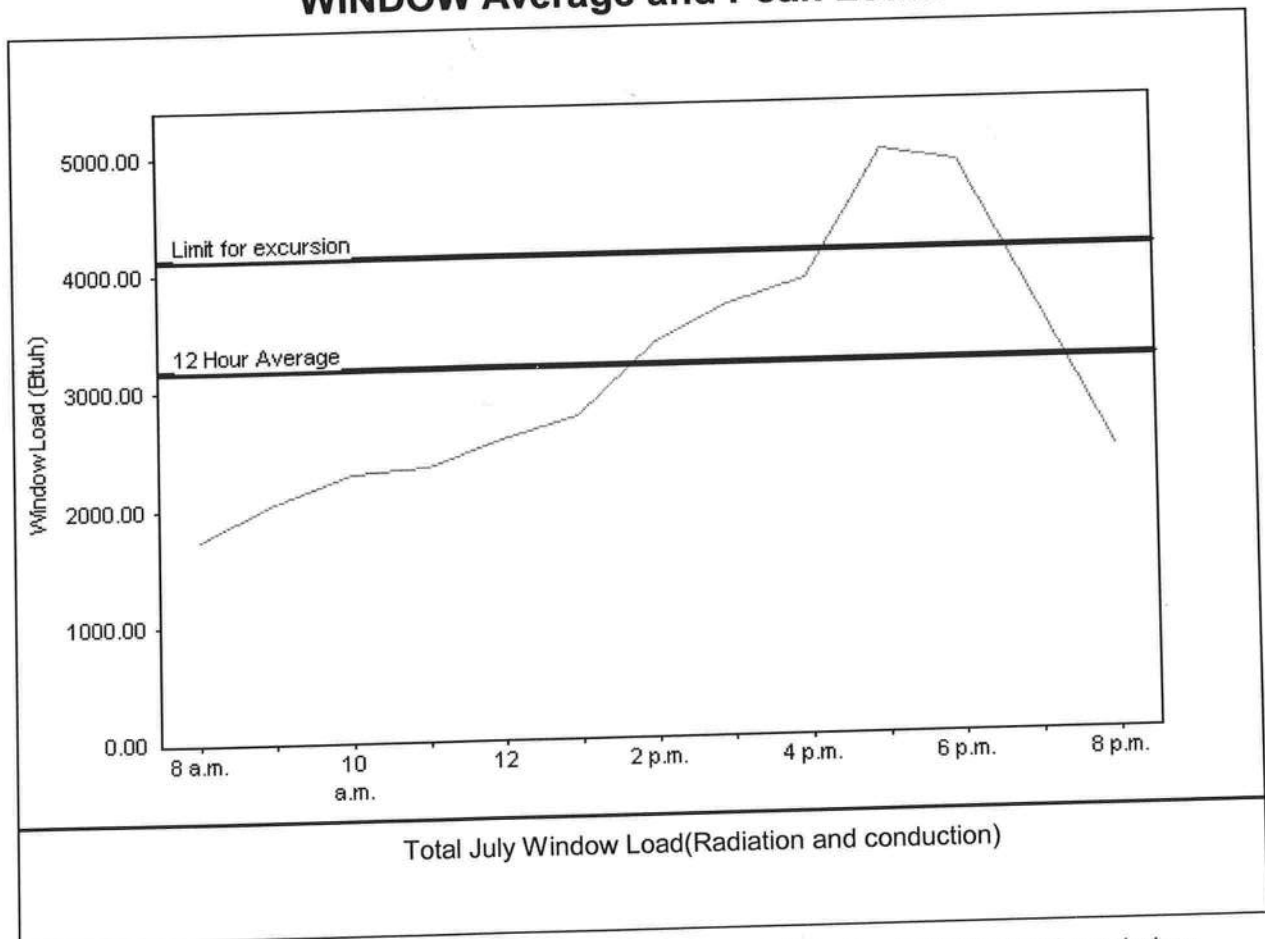
Class 3 Rating
Registration No. 0
Climate: North

5/5/2009

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	3171 Btuh
Summer setpoint	75 F	Peak window load for July	4964 Btuh
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	4123 Btuh
Latitude	29 North	Window excursion (July)	841 Btuh

WINDOW Average and Peak Loads



This application has glass areas that produce large heat gains for part of the day. Variable air volume devices are required to overcome spikes in solar gain for one or more rooms. Install a zoned system or provide zone control for problem rooms. Single speed equipment may not be suitable for the application.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY:

DATE: 5/5/09 EVAN BERNSEY

EnergyGauge® FLR2PB v4.1



ERKINGER HOME BUILDERS

248 SE Nassau Street
Lake City, Florida 32025

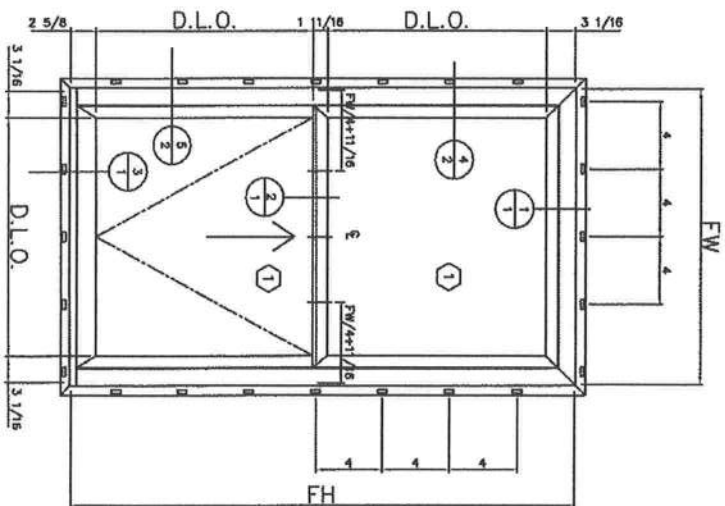
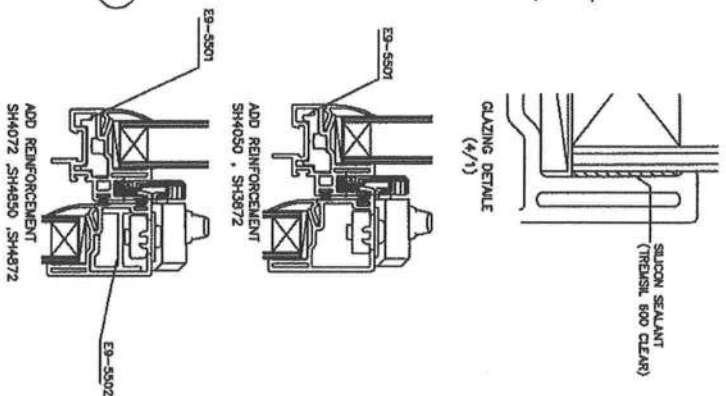
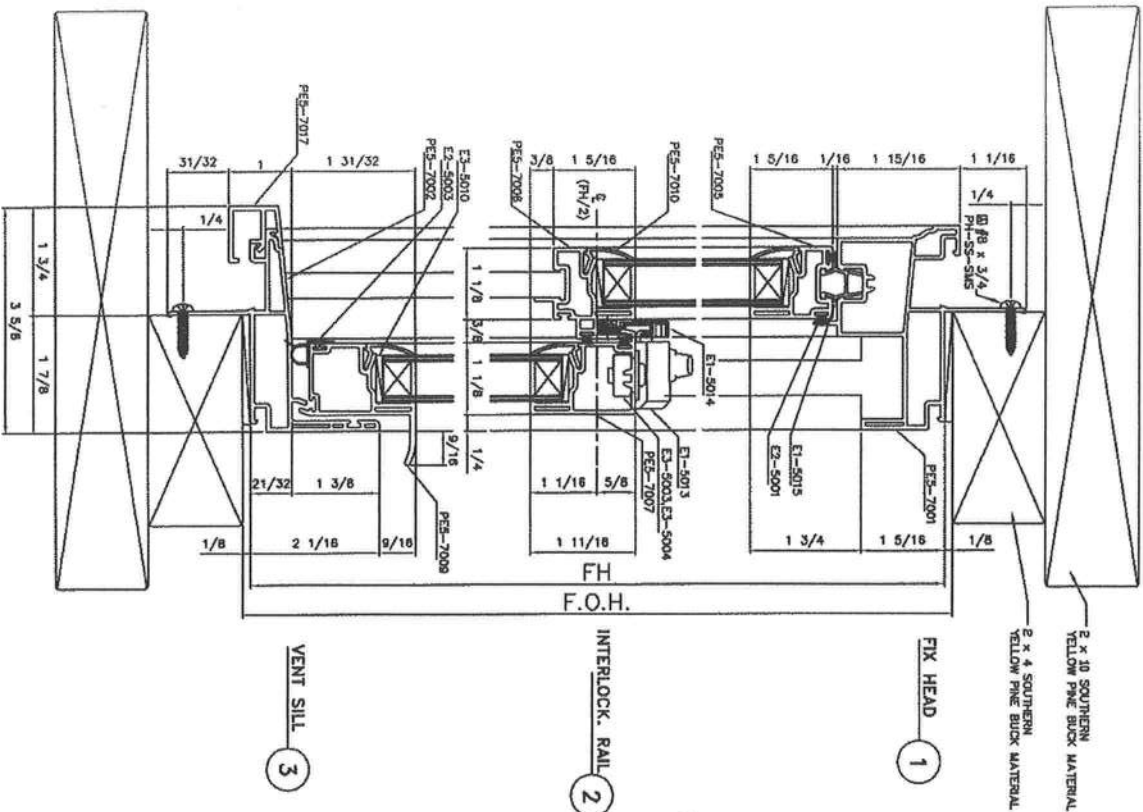
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- | | |
|--|-----------|
| 1. Masonite Exterior Door
Swinging Exterior Door Assemblies | FL5114-R1 |
| 2. Windows
MI Better Built 740 Series - Aluminum | FL8114 |
| 3. GAF/Elk 30-Year Architectural Shingles | FL183-R1 |



ELEVATION

(1) TEST (AAMA 101)
FOR DP-50

① GLASS TYPE: 3/4" INSULATED UNIT
1-A: 3/32" LOW-EAN X 9/16" (SH4050, SH4072, SH4080, SH4850)
1-B: 1/8" LOW-EAN X 1/2" (SH4050, SH4072, SH4080, SH4850)

● (FW- 5 5/32") x (FH-2-2 1/16")
● (FW- 5 5/32") x (FH-2-2 1/16")

● - INDICATES LOCK LOCATION
FW-36" ONE LOCK (CENTER)
FW-36" TWO LOCK (FW/4-1/16")

ITEM	STYLE VIEW	DATE
1	1/2	
DESCRIPTION	SINGLE HINGE (DP-50)	
REVISION	PES-7000-0103	
DESIGNED BY	DATE	TEST BY
RLH	10/10/06	1 OF 2



AS TESTED UNLESS
OTHERWISE NOTED

Significant Test Laboratory

DATE: 12/10/07
JOB#: 231-0605-08
C231-100-06



HURRICANE TEST LABORATORY, LLC
TESTING AND EVALUATION SOLUTIONS
6655 Garden Rd.
Riviera Beach, FL 33404
(561) 881-0020
Fax (561) 881-0075
www.htltest.com

Report #: G231-1102-06
Specimen #: F-1 and F-3
Test Dates: 11/6/06
Page 1 of 6

MANUFACTURER IDENTIFICATION

- 1.0 **NAME OF APPLICANT:** YKK AP AMERICA
332 Firetower Rd.
Dublin, GA 31021
(478) 277-2515
- 2.0 **CONTACT PERSON:** Masanori Moriya / Jin Goto
- 3.0 **HTL TEST NOTIFICATION #:** N/A
- 4.0 **HTL LAB CERTIFICATION:** Miami-Dade County (05-1014.01); Florida Building Code (TST1527);
AAMA; WDMA; Keystone Certifications, IAS (TL-244)

PRODUCT IDENTIFICATION

- 5.0 **Product Type:** Single Hung Window
- 6.0 **Model:** YKK AP America Style View Window System
- 7.0 **Performance Class and Sizes:**

HTL Specimen #	AAMA Performance Class	Overall Size
F-1	H-R-50	40" (w) x 71-1/2" (h)
F-3		47-1/2" (w) x 71-1/2" (h)

- 8.0 **Configuration and Vent Sizes:**

HTL Specimen #	Configuration	Operable Vents
F-1	O/X	37-7/32" (w) x 35-7/16" (h)
F-3		44-23/32" (w) x 35-7/16" (h)

- 9.0 **Drawing:** This test report is incomplete without the attached YKK AP America drawing #PE5-7000-0103 and PE5-7000-0104 each bearing the raised seal of Hurricane Test Laboratory, LLC.
- 10.0 **Sample Source:** Samples provided by YKK AP AMERICA, Inc.

PRODUCT DESCRIPTION

- 11.0 **Frame Construction:** The frame used in this sample was fabricated using the following extrusions:

Description	Part #	Material
Frame Head	PE5-7001	PVC (Rigid)
Frame Sill	PE5-7002	
Sill Nose	PE5-7017	
Frame Jambs	PE5-7003	

The following (typical) procedures were used when assembling this frame:

Frame Assembly: At each frame corner member ends were miter cut and fusion welded together.

Joint Sealant: None used.

ENGINEER OF RECORD

2/19/2007

Vinu J. Abraham, P.E.

FL Reg. # 53820



- 12.0 Operable Sash Construction:** The operable sash frame used in this sample was fabricated using the following extrusions:

Description	Part #	Material
Interlock Rail	PE5-7007	PVC (Rigid)
Bottom Rail	PE5-7009	
Stile	PE5-7008	
Interlock Rail Reinforcement	E9-5502	6063-T5
Stile Reinforcement	E9-5502	6063-T5

The following (typical) procedures were used when assembling the operable sash:

Sash Assembly: At each frame corner member ends were miter cut and fusion welded together.

Joint Sealant: None used.

Reinforcements: The aluminum reinforcements used in the operable sash slid into their respective members and were mechanically secured in place using 2 (two), #8 x 1/2" FH SS SMS.

The lite of glass used in the operable sash was exterior glazed using the following extrusion:

Description	Part #	Material	Attachment Method
Glass Stop	PE5-7010	PVC (Rigid)	Snap fit

- 13.0 Fixed Sash Construction:** The fixed sash frame used in this sample was fabricated using the following extrusions:

Description	Part #	Material
Top Rail and Stiles	PE5-7005	PVC (Rigid)
Interlock Rail	PE5-7006	
Interlock Rail Reinforcement	E9-5501	6063-T5
Sash Clip	E1-5015	

The following (typical) procedures were used when assembling the fixed window:

Sash Assembly: At each frame corner member ends were miter cut and fusion welded together.

Joint Sealant: None used.

Reinforcement: The aluminum reinforcement used in the fixed sash slid into the interlock rail and was mechanically secured in place using 2 (two), #8 x 1/2" PH SS SMS.

Sash Clip: The sash clip snapped into the fixed sash's top rail and stiles and was then inserted into the frame in order to hold the fixed sash in place.

The lite of glass used in the fixed sash was exterior glazed using the following extrusion:

Description	Part #	Material	Attachment Method
Glass stop	PE5-7010	PVC (Rigid)	Snap fit

14.0 Glazing:

- 14.1 Glazing Material:** The glazing material used in all areas in this test specimen was 3/4" thick (overall) insulated glass:

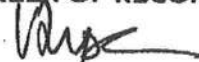
14.1.2 Glass: 3/4" Insulated Glass with the following components:

- 1/8" Low-E annealed glass
- 1/2" air space
- 1/8" clear annealed glass

- 14.2 Glazing Method:** Each lite of glass used in this test specimen was inside glazed as follows:

Interior Side: Using a continuous bead of Tremsil 600 silicone sealant.

ENGINEER OF RECORD


2/19/2007

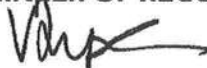


TEST RESULTS

21.0 SUMMARY OF RESULTS:

Specimen # F-1			
Test Method	Test Conditions	Measured	Allowed
Uniform Load Deflection Test (ASTM E330)	+ 50 psf	Deflection	
		Right Stile of Bottom Vent	
		0.43"	n/a
		Interlock Rail	
		0.29"	n/a
		Bottom Rail of Bottom Vent	
		0.08"	n/a
	- 50 psf	Deflection	
		Right Stile of Bottom Vent	
		0.06"	n/a
		Interlock Rail	
		0.46'	n/a
		Bottom Rail of Bottom Vent	
		0.06'	n/a
Uniform Load Structural Test (ASTM E330)	+ 75 psf	Permanent Set	
		Right Stile of Bottom Vent	
		0.04'	0.14'
		Interlock Rail	
		0.06"	0.16'
		Bottom Rail of Bottom Vent	
		0.01"	0.16'
	- 75 psf	Permanent Set	
		Right Stile of Bottom Vent	
		0.03"	0.14'
		Interlock Rail	
		0.06'	0.16'
		Bottom Rail of Bottom Vent	
		0.02"	0.16'

ENGINEER OF RECORD


2/19/2007



HURRICANE TEST LABORATORY, LLC
TESTING AND EVALUATION SOLUTIONS
www.htltest.com

Report #: G231-1102-06
Specimen #: F-1 and F-3
Test Dates: 11/6/06
Page 6 of 6

representative sections of the test specimen will be retained at HTL for a period of ten (10) years. All results obtained apply only to the specimen tested and they do indicate compliance with the performance requirements of the test methods and specifications listed in the following section. Please note that a copy of this report will be forwarded to the AAMA Validator if requested and that this report does not constitute AAMA certification of this product, which may only be granted by the AAMA Validator.

23.0 APPLICABLE CODES, STANDARDS & TEST METHODS:

ASTM E330-02 - Standard Test Method for Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference.

AAMA/WDMA/CSA/101/I.S.2/A440-05 - Standard/Specification for windows, doors and unit skylights

AAMA 101/I.S.2-97 - Voluntary Specifications for Aluminum, Vinyl (PVC), and Wood Windows and Glass Doors

24.0 LIST OF OFFICIAL OBSERVERS:

Vinu J. Abraham, P.E. - HTL, General Manager

José E. Colón, E.I. - HTL, Operations Manager

Ian McKenzie - HTL

Kevin Rouse - HTL

Jin Goto - YKK AP

ENGINEER OF RECORD


2/19/2007



15.0 Daylight Opening:

HTL Specimen #	Operable Vent	Fixed Vent	Glass Bite
F-1	33-27/32" (w) x 32-1/16" (h)	33-27/32" (w) x 32-1/16" (h)	1/2"
F-3	41-11/32" (w) x 32-1/16" (h)	41-11/32" (w) x 32-1/16" (h)	

16.0 Weather-stripping:

Location	Description
Interlock stile in raceway included in extrusion.	Pile weather strip (Part # E2-5001)
Exterior of vent stiles and rails in raceway included in extrusion.	
Frame (head and sill) in raceway included in extrusion	
Bottom of vent	TPE Gasket (Part # E2-5003)

17.0 Hardware:

Location	Description
Attached to the 1/4 points from each end of the interlock rail (in) using two (2), #8 x 1/2" PH SS SMS	Lock (Part #E1-5013)
Attached to the interlock rail (out) using two (2), # 8 x 1/4" FH SS SMS	Keeper (Part #E1-5014)
Attached to the frame jambs using three (3), # 8 x 1" FH SS SMS	Coil Balance (Part # E1-5003)

18.0 Weep/Cover Holes:

Qty.	Location	Description
2	On top vent interlock rail, 2" away from the corners	1/4" diameter hole
2	On bottom vent bottom rail, 2" away from the corners.	1/4" diameter hole

19.0 Muntins: Dividers used inside insulated glass.

PRODUCT INSTALLATION

20.0 The window frame was installed into the wood opening through the nailing flange as follows:

Location	Fastener Description	Fastener Schedule
Frame Head, Jambs, and Sill	#8 x 3/4" PH SS SMS	4" away from each end and at 4" on center thereafter.

ENGINEER OF RECORD

2/19/2007



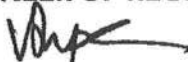
Specimen # F-3			
Test Method	Test Conditions	Measured	Allowed
Uniform Load Deflection Test (ASTM E330)	+ 50 psf	Deflection	
		Right Stile of Bottom Vent	
		0.29"	n/a
		Interlock Rail	
		0.95"	n/a
		Bottom Rail of Bottom Vent	
		0.11'	n/a
	- 50 psf	Deflection	
		Right Stile of Bottom Vent	
		0	n/a
		Interlock Rail	
		0.96"	n/a
		Bottom Rail of Bottom Vent	
Uniform Load Structural Test (ASTM E330)	+ 75 psf	Permanent Set	
		Right Stile of Bottom Vent	
		0.05"	0.14"
		Interlock Rail	
		0.12"	0.19'
		Bottom Rail of Bottom Vent	
	- 75 psf	0.01'	0.19"
		Permanent Set	
		Right Stile of Bottom Vent	
		0.03"	0.14'
		Interlock Rail	
		0.16"	0.19'
		Bottom Rail of Bottom Vent	
		0.07"	0.19'

MISCELLANEOUS INFORMATION

22.0 CERTIFICATION & DISCLAIMER STATEMENT:

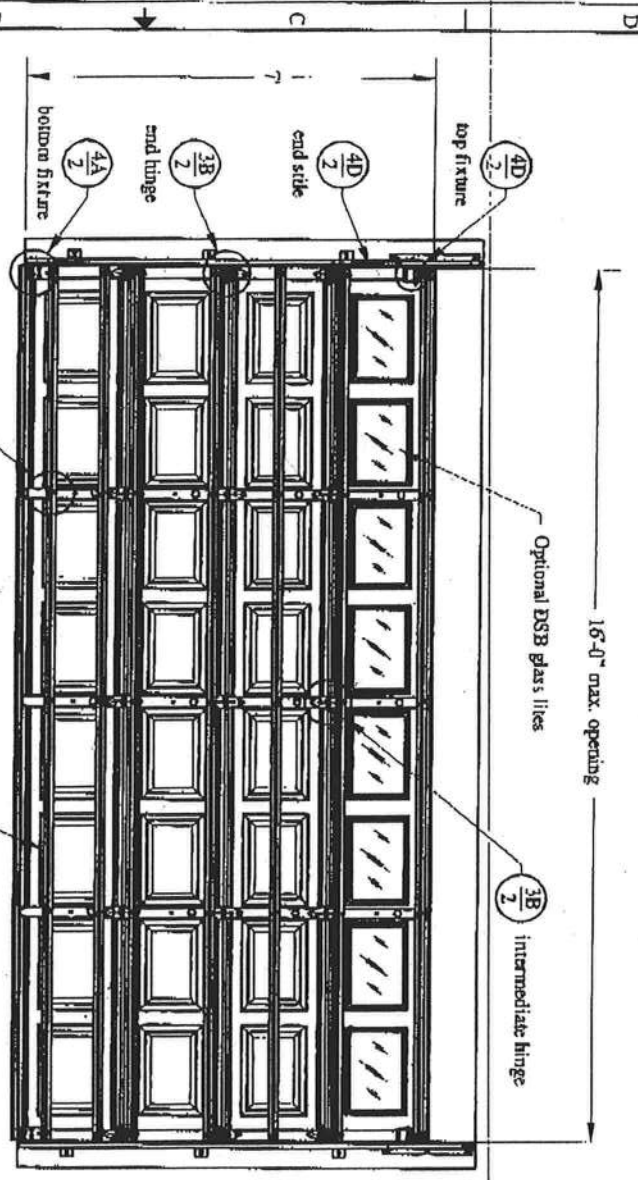
All tests performed on this test specimen were conducted in accordance with the specifications of the applicable codes, standards & test methods listed below by the Hurricane Test Laboratory, LLC located at 6655 Garden Road, Riviera Beach, FL 33404. HTL does not have, nor does it intend to acquire or will it acquire, a financial interest in any company manufacturing or distributing products tested at HTL. HTL is not owned, operated or controlled by any company manufacturing or distributing products it tests. This report is only intended for the use of the entity named in section 1.0 of this report. Detailed assembly drawings showing wall thickness of all members, corner construction and hardware applications are on file and have been compared to the test specimen submitted. A copy of this test report along with

ENGINEER OF RECORD


2/19/2007

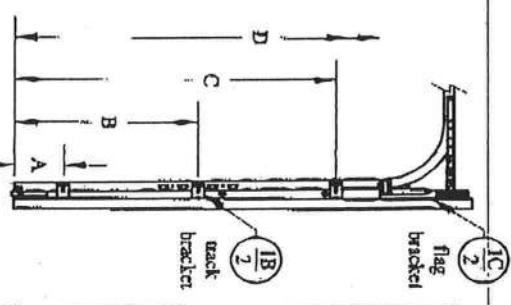
169ft + m

Door Model	Gauge	Decimal
2250/2251	25	.0185
4250/4251	25	.0185
2240/2241	24	.0225
4240/4241	24	.0225
5240/5241	24	.0225



door height	section quantity	strut quantity	trk bkt per side
6'-6" to 7'-0"	4	7	3
7'-6" to 8'-0"	5	8	4
8'-3" to 8'-9"	5	9	4
9'-0" to 10'-6"	6	11	5
10'-9" to 12'-3"	7	13	6
12'-6" to 14'-0"	8	15	7

Refer to Supplemental Instructions for strut placement on doors over 7'-0" high



Track Bracket Chart	door height									
	6'-6"	6'-9"	7'-0"	7'-6"	7'-9"	8'-0"	8'-3"	8'-6"	8'-9"	
D	n/a	n/a	n/a	72"	69"	72"	81"	84"	87"	
C	60"	63"	66"	58"	55"	58"	60"	67"	66"	
B	35"	35"	38"	34"	31"	34"	32"	35"	38"	
A	10"	7"	10"	10"	7"	10"	4"	7"	10"	

Track bracket locations shown above are for doors up to five sections high. Additional door sections may be added for a maximum door height of 14'-0". One track bracket (per track) must be added for each section and spaced at a distance not greater than the corresponding section height.

This door has been tested in accordance with ANSI/ASMA 108-2002
 Design Pressure (DP): 18.5 psf / 20.7 psf
 Test Pressure (TP): 27.8 psf / 31.1 psf
 Per 2004 FBC Table 1609.5E, DP meets or exceeds basic wind speed of:
 V = 110 MPH for Exposure B and mean roof height of 30' or less
 V = 93 MPH for Exposure C and mean roof height of 30' or less
 Maximum door size: 16'-0" wide by 14'-0" tall
 Glazing and door have not been tested for windborne debris.
 Wood back and supporting structural elements shall be designed by a registered professional engineer for wind loads shown on this drawing.
 If door is not electrically operated, a lock must be installed.

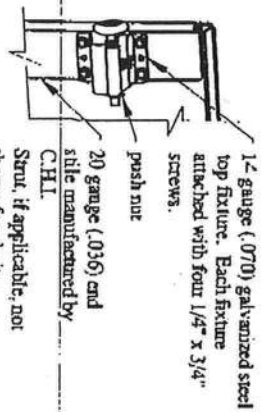
Professional Engineer's seal provided only for verification of windload construction details

John E. Seares, P.E.
 1411 LeMay Street #205
 Carrollton, Texas 75007
 Florida P.E. # 51737

FL 5519

Model 2250/51 (16'-0" wide)
 C.H.I. Drawing: 23-1607-01100

Details on some views may have been omitted for clarity.



Strut, if applicable, not shown for clarity.

The 2x6 vertical wood jambs are to be grade 2 or better southern pine. Fasteners may be countersunk to provide a flush mounting surface.

12 gauge (.095) galvanized steel track bracket fastened to wood jamb with one 5/16\" x 1-5/8\" wood lag screw per bracket.

20 gauge (.036) center stile manufactured by C.H.I.

2\" steel roller

2\" x .051 min. galvanized steel track fastened to track brackets. Each track bracket attached with one 1/4\" x 5/8\" track bolt and nut.

End Hinge 16 gauge (.058) galvanized steel end hinge fastened to section with four 1/4\" x 3/4\" screws.

Intermediate Hinge 18 gauge (.047) galvanized steel intermediate hinge fastened to section with four 1/4\" x 3/4\" screws.

2\" steel track roller

push nut

3-1/2\" (min.) stem

20 gauge (.034) 33 ksi galvanized steel 3\" strut attached with two 1/4\" x 3/4\" screws per stile or hinge plate.

12 gauge (.102) galvanized steel bottom bracket manufactured by C.H.I. Each bracket attached with four red 1/4\" x 3/4\" screws.

Aluminum extrusion

Vinyl weatherstrip

12 gauge (.086) galvanized steel flag bracket fastened to wood jamb with three 5/16\" x 1-5/8\" wood lag screws.

Flag bracket attached to horizontal track with two 1/4\" x 5/8\" track bolts and nuts.

Flag bracket attached to vertical track with two 1/4\" x 5/8\" track bolts and nuts.

12 gauge (.095) galvanized steel track bracket fastened to wood jamb with one 5/16\" x 1-5/8\" wood lag screw per bracket.

Each track bracket attached with one 1/4\" x 5/8\" track bolt and nut. Or two 1/4\" x 11/32\" rivets.

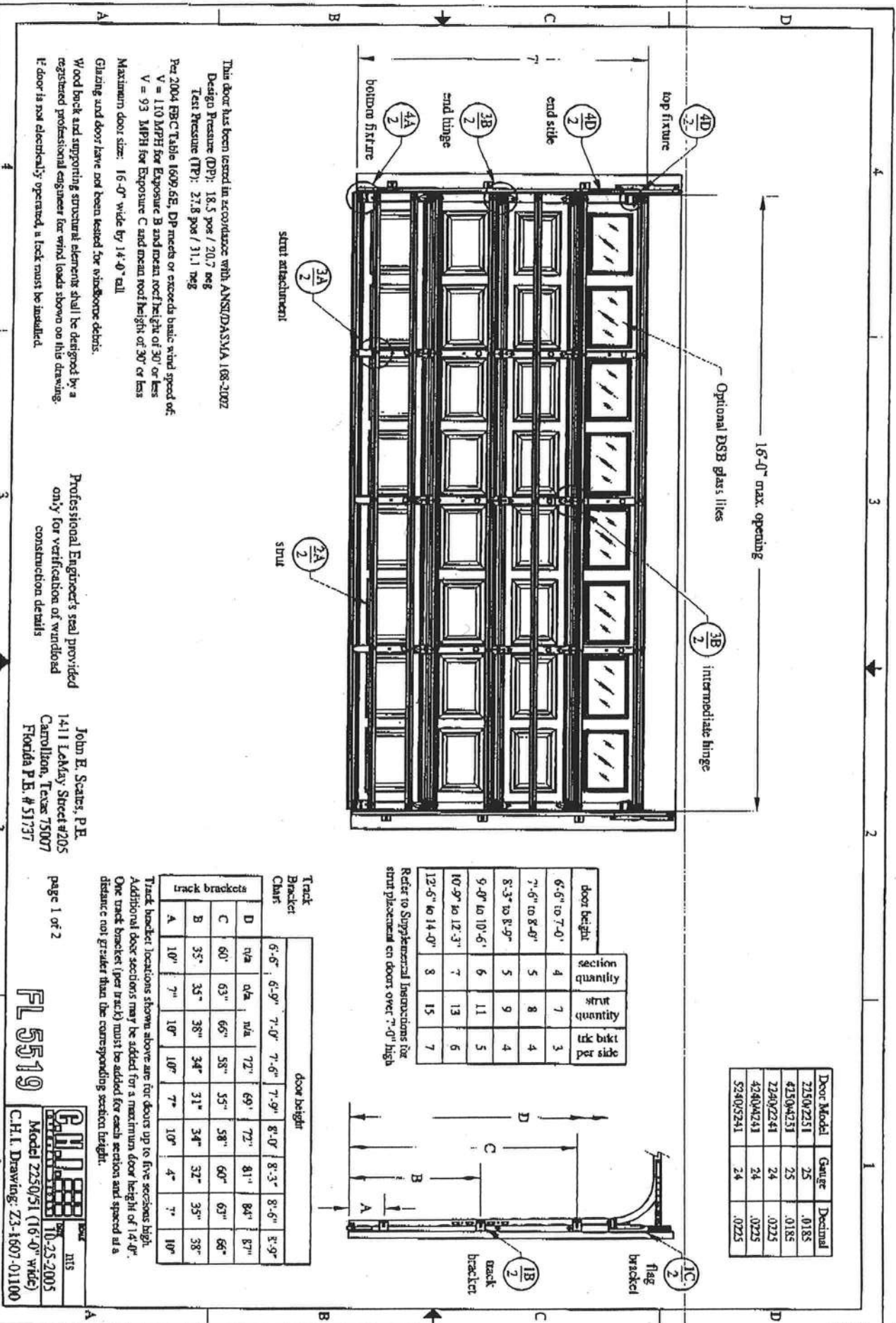
Design Load: 18.5 pos / 20.7 neg
Test Load: 27.8 pos / 31.1 neg
page 2 of 2

Professional Engineer's seal provided only for verification of windload construction details

John E. Scarles, P.E.
1411 LeMay Street #205
Carrollton, Texas 75007
Florida P.E. #51737

Model 2250/51 (16'-0\" wide)
C.H.I. Drawing: ZS-1607-01100

10 ft door



Door Model	Gauge	Decimal
2250/2251	25	.0185
4250/4251	25	.0185
2240/2241	24	.0225
4240/4241	24	.0225
5240/5241	24	.0225

door height	section quantity	strut quantity	trk brkt per side
6'-6" to 7'-0"	4	7	3
7'-6" to 8'-0"	5	8	4
8'-3" to 8'-9"	5	9	4
9'-0" to 10'-6"	6	11	5
10'-9" to 12'-3"	7	13	6
12'-6" to 14'-0"	8	15	7

Refer to Supplemental Instructions for strut placement on doors over 7'-0" high

strut attachment

strut

Optional DSB glass lites

16'-0" max. opening

3B intermediate hinge

4D top fixture

4D end side

3B end hinge

4A bottom fixture

This door has been tested in accordance with ANSI/DASMA 108-2002
Design Pressure (DP): 18.5 psf / 20.7 psf
Test Pressure (TP): 27.8 psf / 31.1 psf

Per 2004 FBC Table 1609.6E, DP meets or exceeds basic wind speed of:
V = 110 MPH for Exposure B and mean roof height of 30' or less
V = 93 MPH for Exposure C and mean roof height of 30' or less

Maximum door size: 16'-0" wide by 14'-0" tall

Glazing and doors have not been tested for windborne debris.

Wood brack and supporting structural elements shall be designed by a registered professional engineer for wind loads shown on this drawing. If door is not electrically operated, a lock must be installed.

Professional Engineer's seal provided only for verification of windload construction details

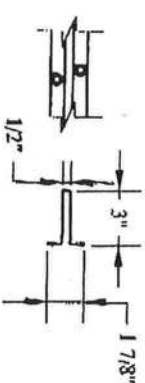
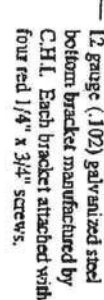
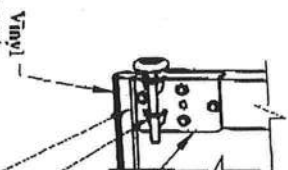
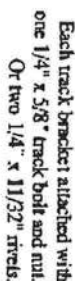
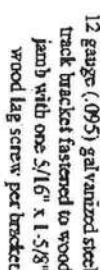
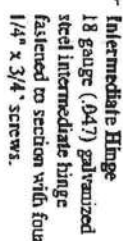
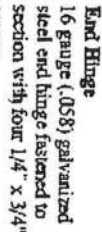
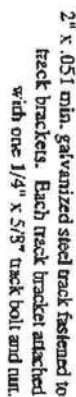
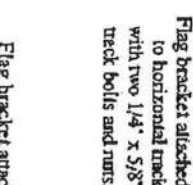
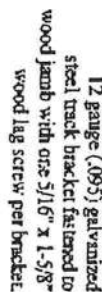
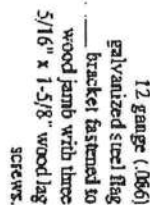
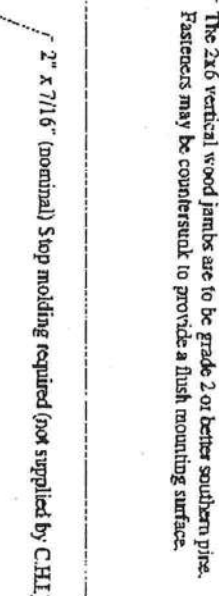
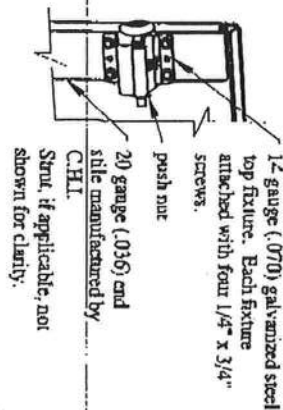
John H. Sears, P.E.
1411 LeMay Street #205
Carrollton, Texas 75007
Florida P.E. # 51737

page 1 of 2

FL 5519

Model 2250/51 (16'-0" wide)
C.H.L. Drawing: Z3-1607-01100

Details on some views may have been omitted for clarity.



Professional Engineer's seal provided only for verification of windload construction details

John E. Seates, P.E.
1411 LeMay Street #205
Carrollton, Texas 75007
Florida P.E. # 51737

Model 2250/51 (16'-0" wide)
C.H.I. Drawing: Z3-1607-01100

Design Load: 18.5 pos / 20.7 neg
Test Load: 27.8 pos / 31.1 neg
page 2 of 2

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID: ITRE8228Z0205130650

Truss Fabricator: Anderson Truss Company
Job Identification: 9-099--Fill in later ERKINGER -- , **
Truss Count: 37
Model Code: Florida Building Code 2007 and 2009 Supplement
Truss Criteria: FBC2007Res/TPI-2002(STD)
Engineering Software: Alpine Software, Version 8.07.
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 7-05 -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: HCUSR8228

Details: BRCLBSUB-A1101505-GBLLETIN-


Seal Date: 05/05/2009

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

#	Ref	Description	Drawing#	Date
1	42031--H7A		09125023	05/05/09
2	42032--H9A		09125024	05/05/09
3	42033--H11A		09125025	05/05/09
4	42034--H13A		09125026	05/05/09
5	42035--H15A		09125027	05/05/09
6	42036--H17A		09125028	05/05/09
7	42037--AV9		09125029	05/05/09
8	42038--AV8		09125030	05/05/09
9	42039--AV7		09125031	05/05/09
10	42040--AV6		09125032	05/05/09
11	42041--AV5		09125033	05/05/09
12	42042--AV4		09125034	05/05/09
13	42043--AV3		09125035	05/05/09
14	42044--AV2		09125036	05/05/09
15	42045--AV1		09125037	05/05/09
16	42046--H5B		09125038	05/05/09
17	42047--B		09125039	05/05/09
18	42048--B1		09125040	05/05/09
19	42049--H7C		09125041	05/05/09
20	42050--H9C		09125042	05/05/09
21	42051--H91108C		09125043	05/05/09
22	42052--CJ1		09125018	05/05/09
23	42053--HJ71		09125044	05/05/09
24	42054--HJ7		09125021	05/05/09
25	42055--HJ5		09125045	05/05/09
26	42056--CJ3		09125019	05/05/09
27	42057--EJ5		09125046	05/05/09
28	42058--CJ5		09125020	05/05/09
29	42059--CJ3		09125047	05/05/09
30	42060--CJ51		09125048	05/05/09
31	42061--EJ71		09125022	05/05/09
32	42062--EJ7		09125049	05/05/09
33	42063--EJ5		09125050	05/05/09
34	42064--H5M		09125051	05/05/09
35	42065--M		09125052	05/05/09
36	42066--M3		09125053	05/05/09

#	Ref	Description	Drawing#	Date
37	42067--HJ5		09125054	05/05/09

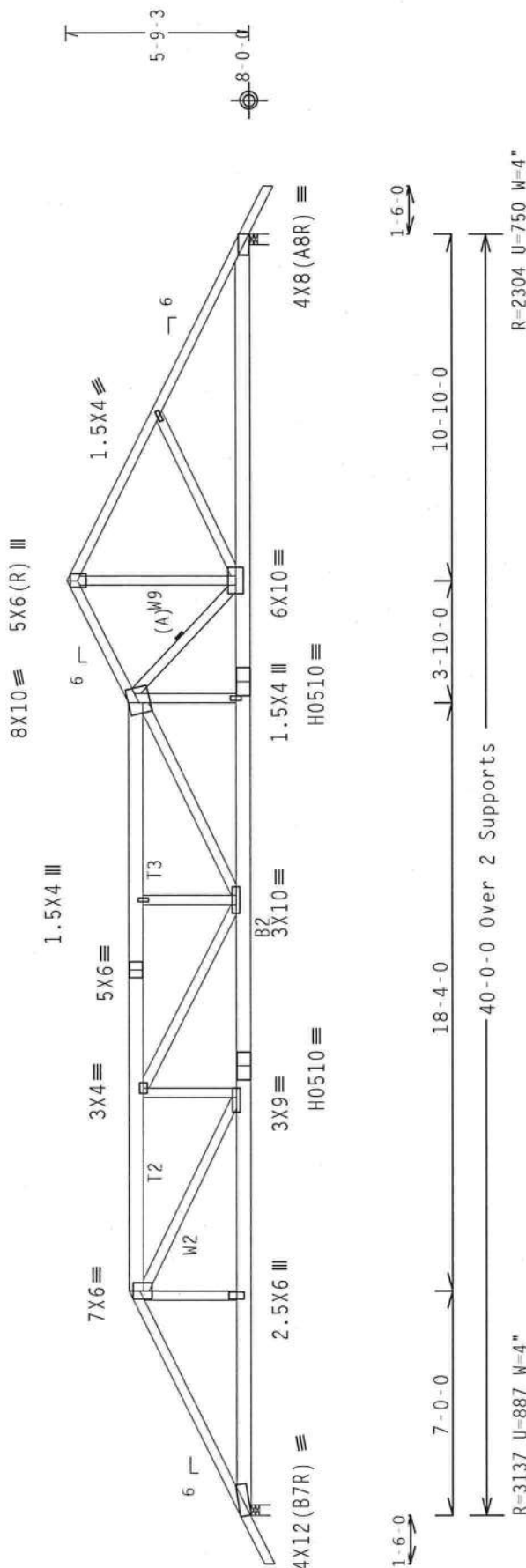


Top chord 2x4 SP #2 Dense :T2 2x6 SP #1 Dense :
:T3 2x6 SP #2:
Bot chord 2x6 SP #1 Dense :B2 2x6 SP SS:
Webs 2x4 SP #3 :W2, W9 2x4 SP #2 Dense:

		(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC	From	62 PLF at 1.50 to 62 PLF at 7.00
TC	From	159 PLF at 1.50 to 159 PLF at 7.00
TC	From	62 PLF at 19.06 to 62 PLF at 41.50
3C	From	4 PLF at 1.50 to 4 PLF at 0.00
3C	From	20 PLF at 0.00 to 20 PLF at 7.00
3C	From	44 PLF at 7.00 to 44 PLF at 19.06
3C	From	20 PLF at 19.06 to 20 PLF at 40.00
3C	From	4 PLF at 40.00 to 4 PLF at 41.50
3C	-	495 LB Conc. Load at 7.00

The Building Designer shall evaluate and approve load magnitudes and locations as shown under "SPECIAL LOADS".
Truss Engineer & Fabricator are not responsible for load magnitudes and locations.

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

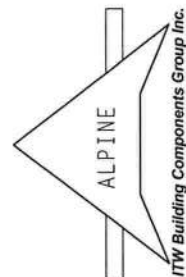
Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

QTY: 1 FL / - / 4 / - / - / R / - Scale = .1875" / Ft.

	TC LL	20.0	PSF	REF	R8228- 42031
	TC DL	10.0	PSF	DATE	05/05/09
	BC DL	10.0	PSF	DRW	HCUSR8228 09125023
	BC LL	0.0	PSF	HC-ENG	TCE/WHK
	TOT.LD.	40.0	PSF	SEQN-	59441
	DUR.FAC.	1.25			



****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR THE DESIGN OF THIS TRUSS OR THE TRUSS IN COMPLIANCE WITH THE DESIGNING, MANUFACTURING, SHIPPING, INSTALLING, AND IMPACTING OF TRUSSES. ITN BCG DESIGN CORP. HAS COMPLIED WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY APCA) AND TPI. THE TRUSS CONNECTOR PLATES ARE MADE OF 2019/T19/1664 (W/15%TS) ASTM A563 GRADE 40/60 (A, K/H/55) GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEX AS OF TPI-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR TRUSS COMPONENT



ITW Building Components Group Inc.

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

Roof overhang supports 2.00 psf soffit load.

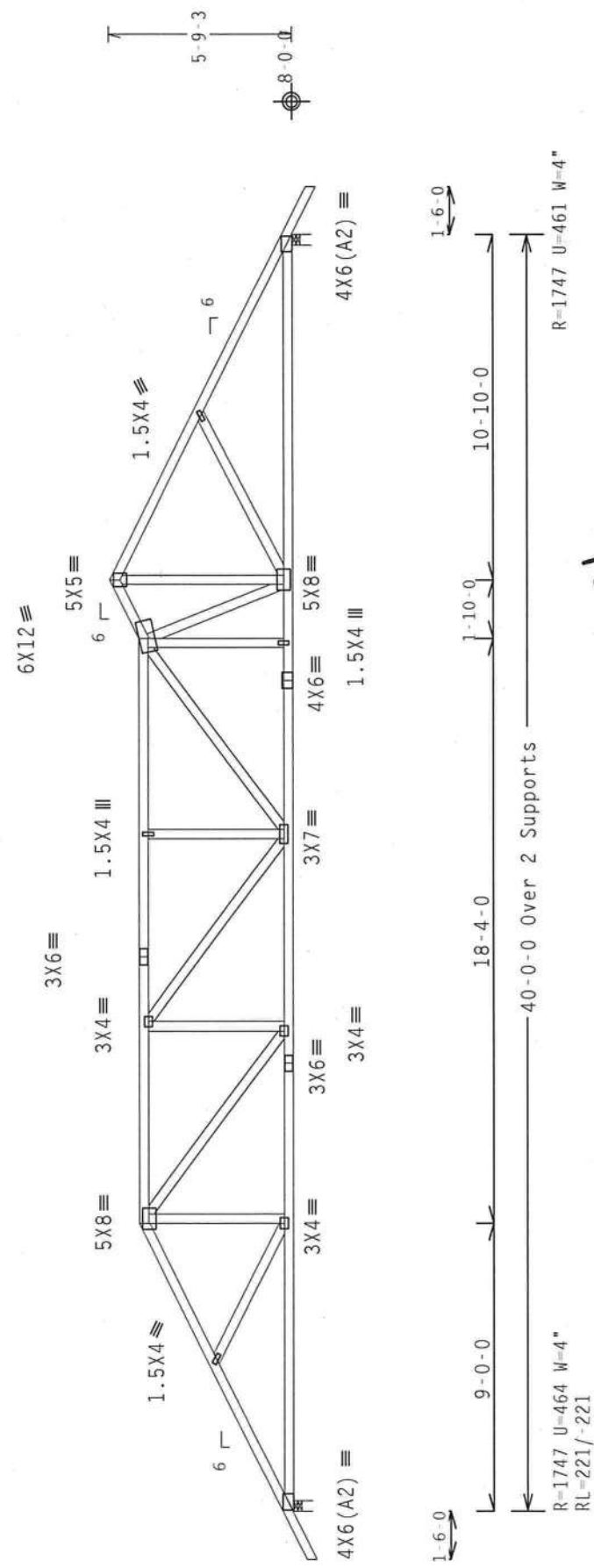
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Bottom chord checked for 10.00 psf non-concurrent live load.

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



Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%)/0(0)

Scale = .1875"/Ft.

FL/-4/-/-/R/-

8.07.00

QTY:1

PLT TYP. Wave

****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), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND MICA (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. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. STEEL CONNECTOR PLATES ARE MADE TO ORDER. ITW BEG, INC. SHALL BE RESPONSIBLE FOR THE DESIGN OF THE STEEL CONNECTOR PLATES. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC. 3. A SEAL OR THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT.

ALPINE

ITW Building Components Group Inc.



TC LL	20.0 PSF	REF	R8228- 42032
TC DL	10.0 PSF	DATE	05/05/09
BC DL	10.0 PSF	DRW	HCUSR8228 09125024
BC LL	0.0 PSF	HC-ENG	TCE/WHK *
TOT.LD.	40.0 PSF	SEQN-	59394
DUR.FAC.	1.25		

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

Roof overhang supports 2.00 psf soffit load.

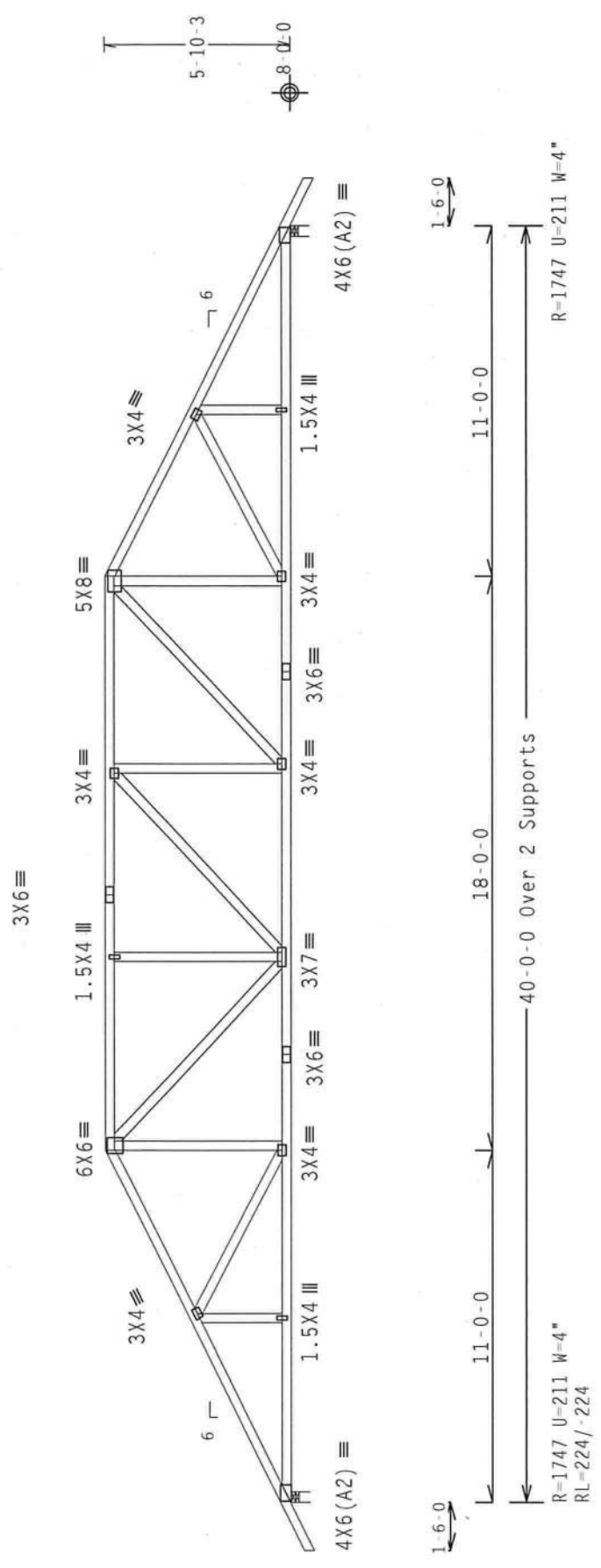
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCpl(+/-)=0.18

Wind reactions based on MWFRS pressures.

Bottom chord checked for 10.00 psf non-concurrent live load.

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

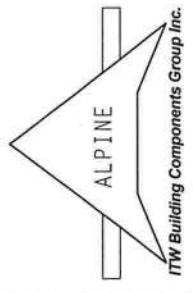


Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

PLT TYP. Wave	QTY:1	FL/-4/-/-/R/-	Scale = .1875"/Ft.
	TC LL	20.0 PSF	REF R8228- 42033
	TC DL	10.0 PSF	DATE 05/05/09
	BC DL	10.0 PSF	DRW HCUSR8228 09125025
	BC LL	0.0 PSF	HC-ENG TCE/WHK *
	TOT.LD.	40.0 PSF	SEQN- 59397
DUR.FAC.		1.25	

****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, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (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 COMPLIANCE WITH TPI1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCG DESIGN COMPLIES WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIAA) AND TPI. STEEL PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN PER DRAWINGS 1604-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) DRAWING INDICATES. ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT



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

Roof overhang supports 2.00 psf soffit load.

(A) 1x4 #3SRB SPF-S or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.

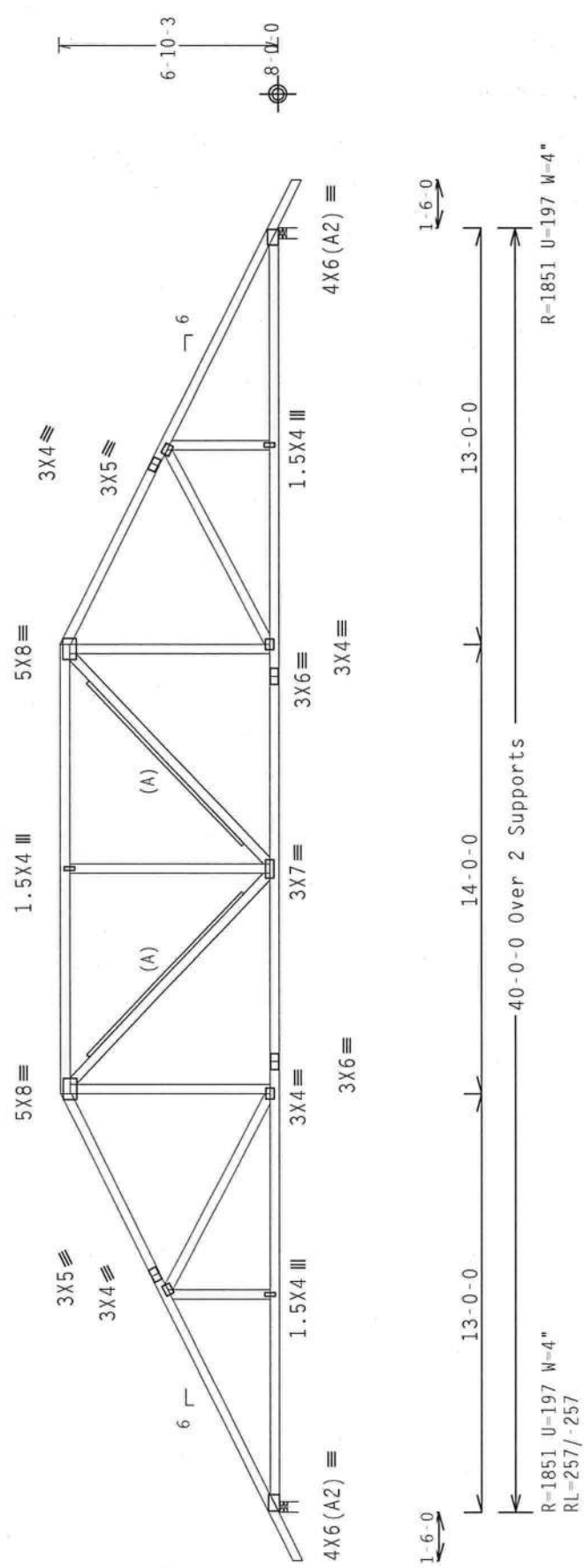
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP C, wind IC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI(+/-)=0.18

Wind reactions based on MWFRS pressures.

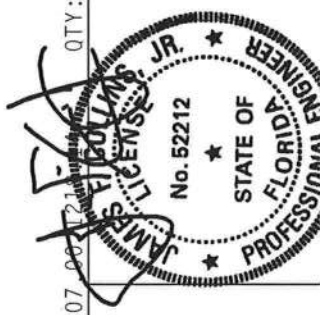
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.



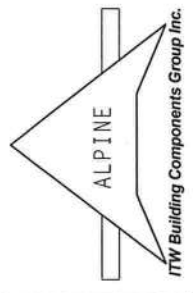
Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%)/0(0)

QTY: 1	FL / - / 4 / - / R / -	Scale = .1875" / Ft.
TC LL	20.0 PSF	REF R8228- 42034
TC DL	10.0 PSF	DATE 05/05/09
BC DL	10.0 PSF	DRW HCUSR8228 09125026
BC LL	0.0 PSF	HC-ENG TCE/WHK *
TOT.LD.	40.0 PSF	SEQN- 59400
DUR.FAC.	1.25	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (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 TPI1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE NATIONAL DESIGN SPEC. (NDS) (409.3.1) AND TPI1: STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ARH X A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT.



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

Roof overhang supports 2.00 psf soffit load.

(A) 1x4 #3RB SPF-S or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.

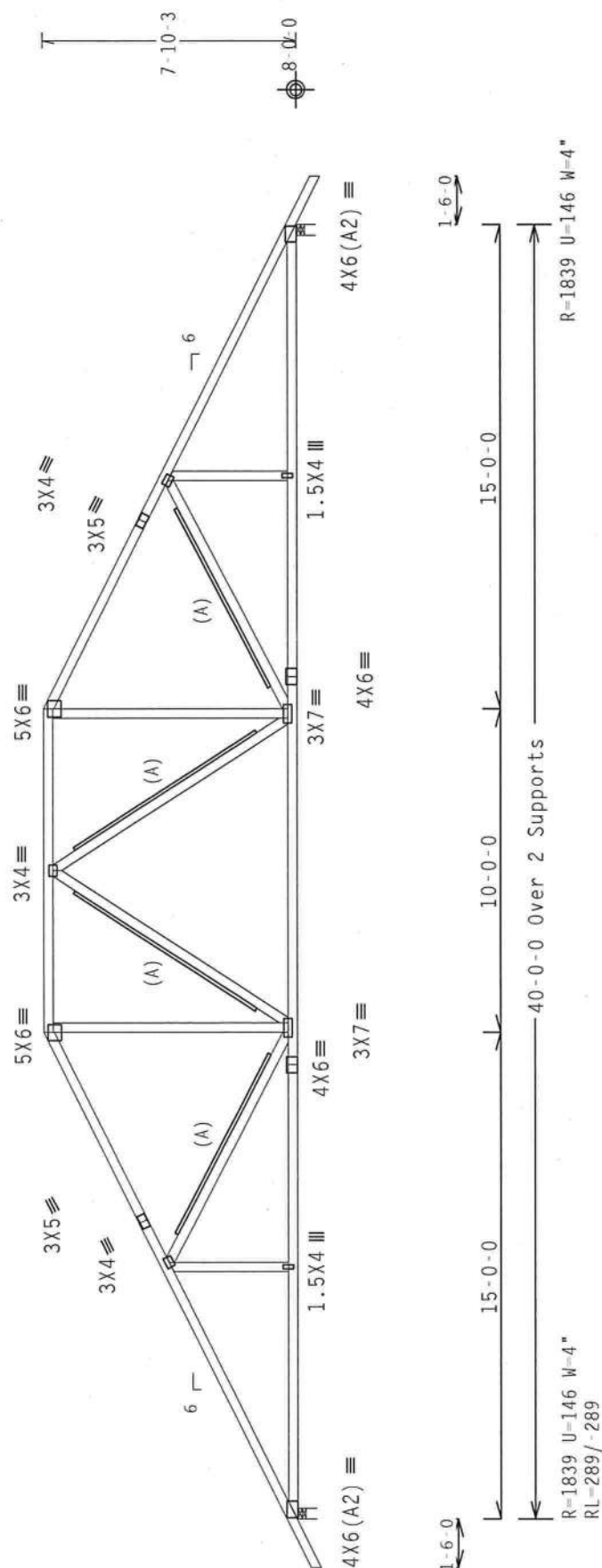
Deflection meets L/240 live and L/180 total load.

1110 mph wind, 15.00 ft mean hgt., ASCE 7-05, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=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.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.



PLT TYP. Wave

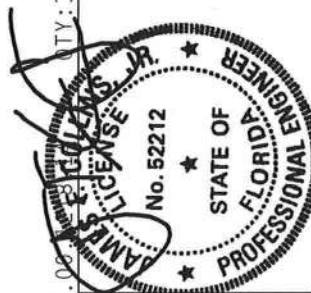
Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

80

FL/-/4/-/-/R/-

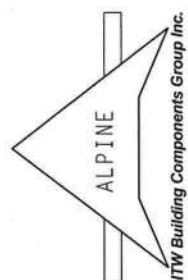
Scale = .1875"/Ft.

TC LL	20.0	PSF	REF R8228 - 42035
TC DL	10.0	PSF	DATE 05/05/09
BC DL	10.0	PSF	DRW HCUSR8228 09125027
BC LL	0.0	PSF	HC-ENG TCE/WHK *
TOT.LD.	40.0	PSF	SEQN- 59403
DUR.FAC.	1.25		



****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BEG, INC. SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF THIS DESIGN OR THE THRUSS IN COMPLIANCE WITH THE DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR THE PROTECTION OF EXISTING UTILITIES, SHIPPIES, AND TRUCKS FROM COLLISION DURING THE PLACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MOD NATIONAL DESIGN SPEC., BY AISC/AASHTO AND TPI. THE BEG CONNECTION PLATES ARE MADE OF 20Y18/16GA (H-UTS/E_y) ASTM A563 GRADE 40/60 (F_y/E_t) 55% GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPII-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT.



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

Roof overhang supports 2.00 psf soffit load.

(A) 1x4 #3SRB SPF-S or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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

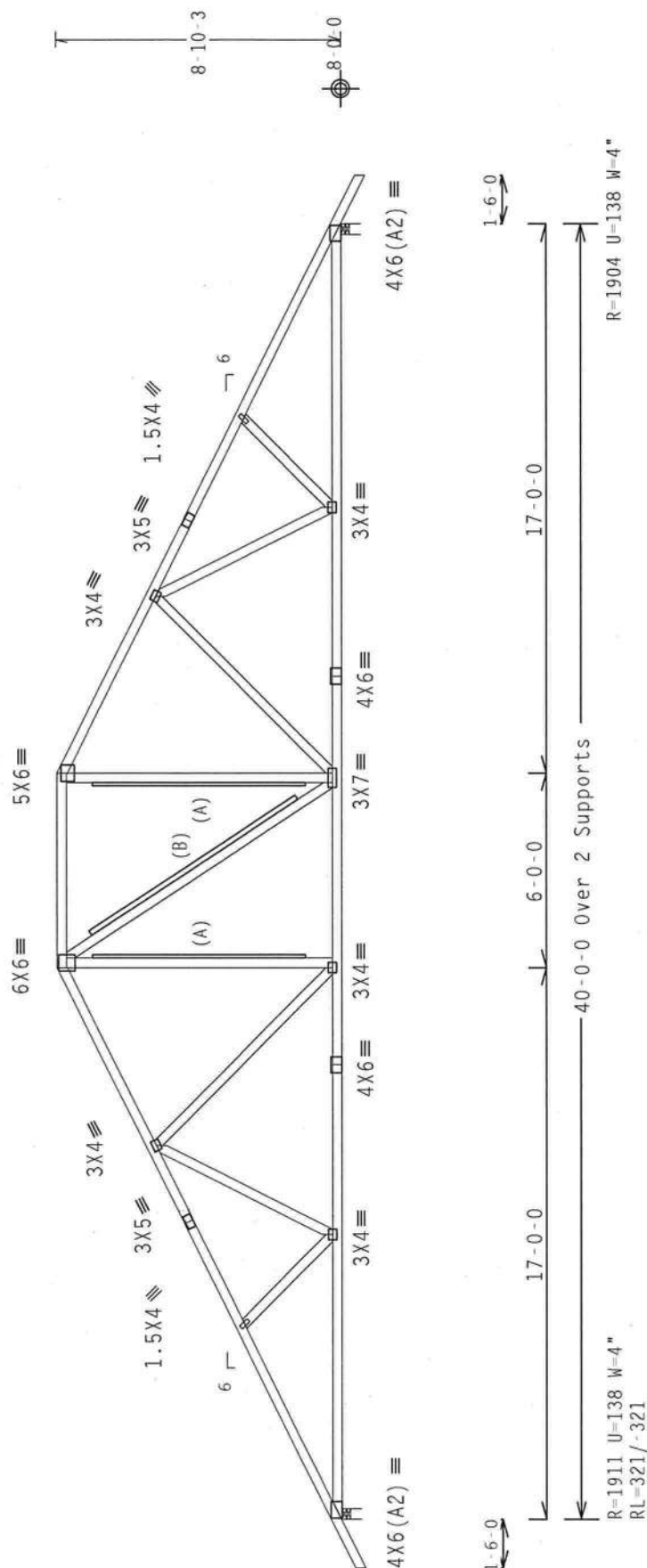
11110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $lw=1.00$ GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

(B) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

PLT TYP. Wave

QTY: 1 FL / - / 4 / - / - / R / -

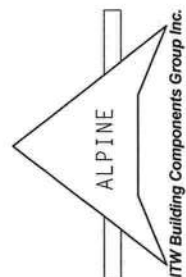
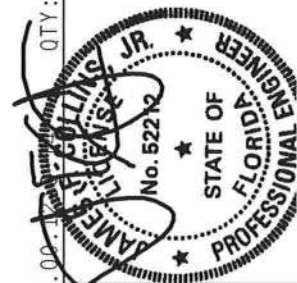
Scale = .1875"/Ft.

*WARNING- TRUSSES REQUIRING EXTREME CARE IN ERECTION, HANDLING, SHIPPING, INSTALLING AND BRACING.
 WARRANTY QUALITY CONTROL COMPONENTS SAFETY INFORMATION: PUBLISHED BY THE TRUSS PANEL INSTITUTE, 210
 NORTH LEE STREET SUITE 312, ALXANBURIA VA, 22134) AND VICTA TRUSS COUNCIL OF AMERICA, 6300
 ENTERPRISE LANE, WADSWORTH, AL 57219 FOR SAFETY PRECAUTIONS PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS
 OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE
 PROPERLY ATTACHED RIGID CELLING.

TC LL	20.0	PSF	REF R8228 - 42036
TC DL	10.0	PSF	DATE 05/05/09
BC DL	10.0	PSF	DRW HCUSR8228 09125028
BC LL	0.0	PSF	HC-ENG TCE/WHK *
TOT.LD.	40.0	PSF	SEQN- 59406
DUR.FAC.	1.25		

*** IMPORTANT *** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE OR INJURY TO PERSONS OR PROPERTY THAT MAY OCCUR WHILE IN COMPLIANCE WITH THIS DESIGN. THE USER ASSUMES ALL LIABILITY FOR THE TRUSS IN CONFORMANCE WITH THIS DESIGN. THE USER IS RESPONSIBLE FOR OBTAINING NECESSARY PERMITS AND APPROVALS FROM THE LOCAL BUILDING DEPARTMENT.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NOS (NATIONAL DESIGN SPEC., BY AFSPA) AND TPT.
CONNECTION PLATES WITH APPLICABLE PROVISIONS OF INSTA (INSTALLATION SPECIFIC, BY AFSPA) AND TPT.
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE NOTED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2.
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMHS AS OF TP11-2002 SEC.3.
DRAWING INDICATES ACCEPTANCE OF MODIFIED LEGAL REQUIREMENTS. THE RESPONSIBILITY OF THE USER IS TO OBTAIN NECESSARY PERMITS AND APPROVALS FROM THE LOCAL BUILDING DEPARTMENT.



Top chord	2x4	SP	#2	Dense
Bot chord	2x4	SP	#2	Dense
Web	2x4	SP	#3	:W3 2x4 SP #2 Dense:

Roof overhang supports 2.00 psf soffit load.

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

(B) 1x4 #3SRB SPF-S or better "I" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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

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

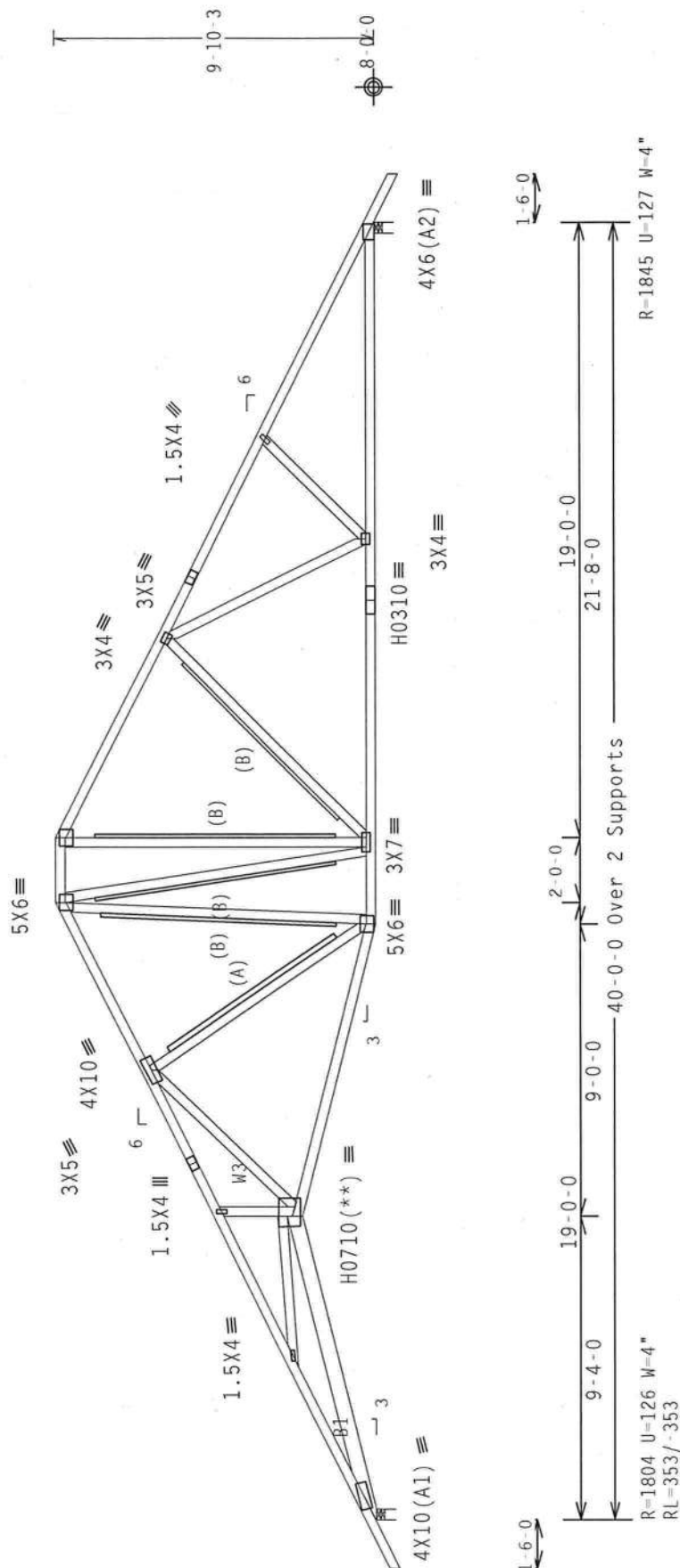
1110 mph wind. 15.00 ft mean hgt., ASCE 7-05. CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCpi (+/-)=0.18

Wind reactions based on MWFRS pressures.

(A) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5" min.) nails @ 6" OC.

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

Bottom chord checked for 10.00 psf non-concurrent live load.



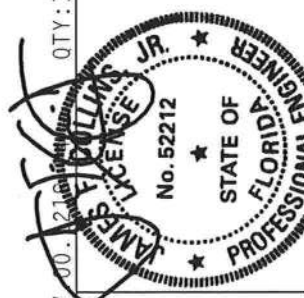
PLT TYP. 20 Gauge HS, Wave

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

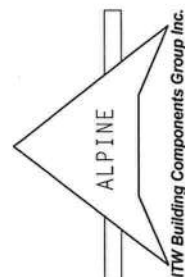
QTY:1 FL/-/4/-/-/R/-

Scale = .1875"/Ft.

TC LL	20.0	PSF	REF R8228 - 42037
TC DL	10.0	PSF	DATE 05/05/09
BC DL	10.0	PSF	DRW HCUSR8228 09125029
BC LL	0.0	PSF	HC-ENG TCE/WHK
TOT.LD.	40.0	PSF	SEQN - 59409
DUR.FAC.	1.25		



****IMPORTANT****—FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATIONS FROM THIS DESIGN. ANY CHANGES TO THE TRUSS IN CONFORMANCE WITH THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THIS DESIGN IS THE PROPERTY OF ITW BCG. ITW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC NATIONAL DESIGN SPEC. (BY AISC) AND TPI-1. ALL CONNECTION PLATES ARE MADE OF 20/10/166GA (W-15X55) ASTM A563 GRADE 40/46 (N/A355) GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, OTHERWISE, LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMX 43 OF TPI-1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR E-TRUSS COMPONENT



Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense :B1 2x6 SP #2:
Webs 2x4 SP #3 :W3 2x4 SP #2 Dense:

Roof overhang supports 2.00 psf soffit load.

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

(A) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.

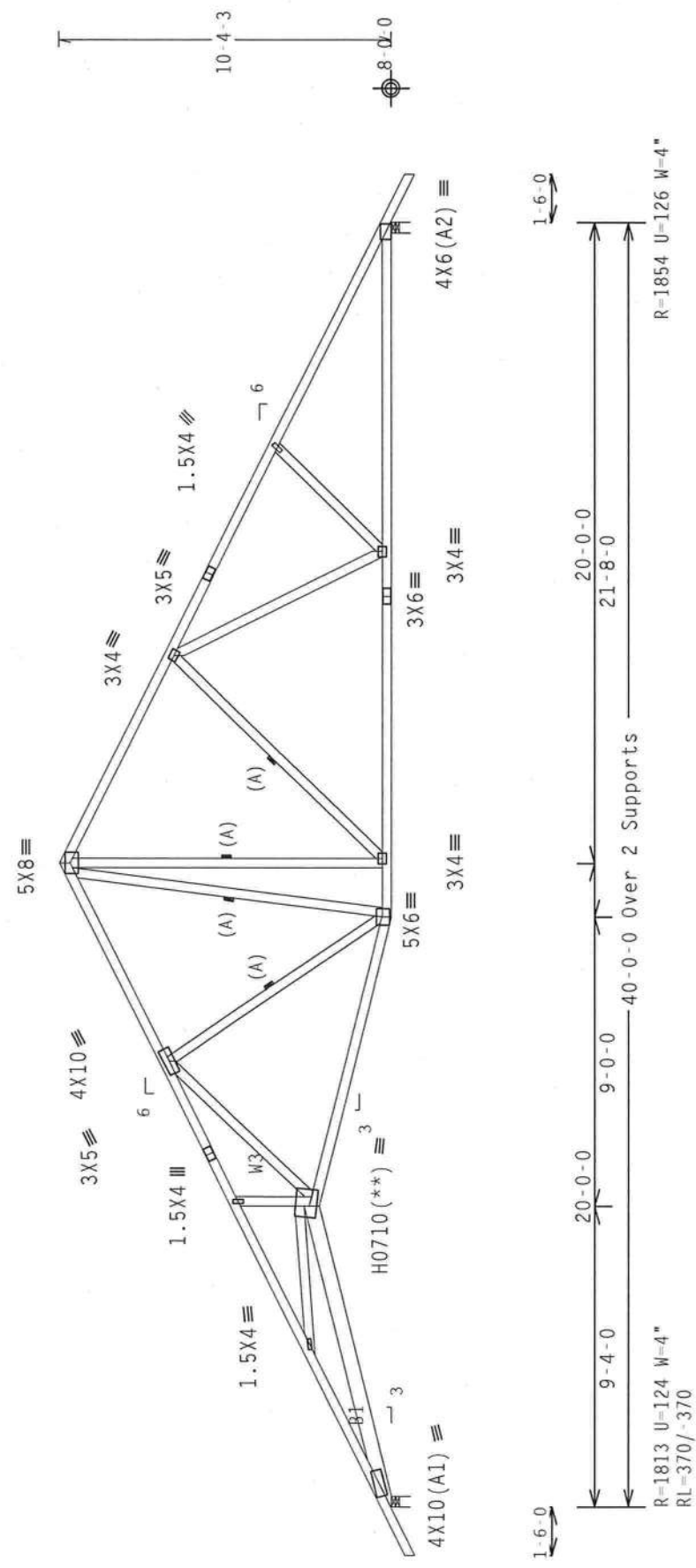
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi(+/-)-0.18

Wind reactions based on MMFRS pressures.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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



Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

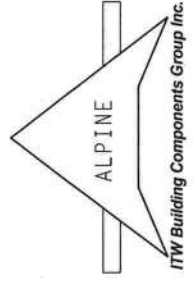
PLT TYP. 20 Gauge HS, Wave

8.07.00.1210.00 QTY:1 FL/-4/-/-R/- Scale =.1875"/Ft.

TC LL	20.0 PSF	REF	R8228- 42038
TC DL	10.0 PSF	DATE	05/05/09
BC DL	10.0 PSF	DRW	HCUSR8228 09125030
BC LL	0.0 PSF	HC-ENG	TCE/WHK
TOT.LD.	40.0 PSF	SEQN-	59412
DUR.FAC.	1.25		

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, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND AITCA (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 AIA/PAS) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2010/10GA (20/10/55/75) ASTM A653 GRADE 50/60 (40 K/40/55) GALV. STEEL. APPLY GALVANNEAL PROTECTION PER AIA/PAS. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AIA/PAS AS OF TPI-2002 SEC-3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT



Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense :B1 2x6 SP #2:
Webs 2x4 SP #3 :W3 2x4 SP #2 Dense:

Roof overhang supports 2.00 psf soffit load.

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

(B) 1x4 #3SRB SPF-S or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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

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

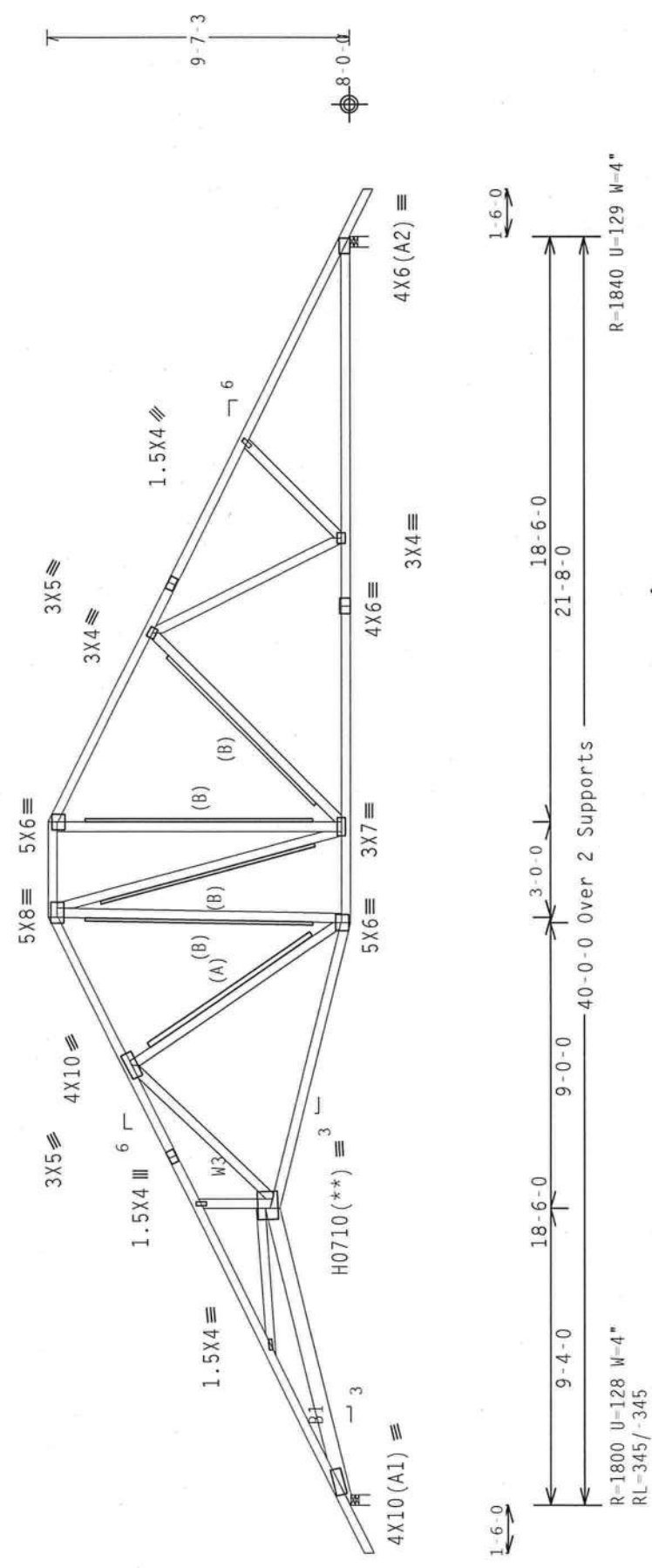
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP C, wind IC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MMFRS pressures.

(A) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

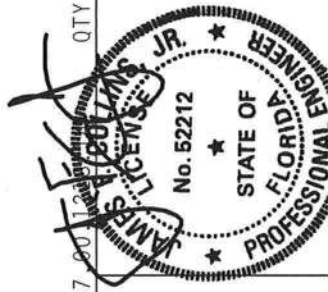
In lieu of structural panels use purlins to brace all flat IC @ 24" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.



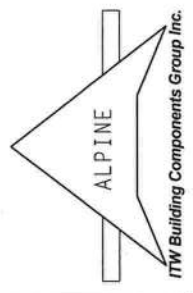
PLT TYP. 20 Gauge HS, Wave
Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%)/0(0)

QTY:1	FL/-4/-1-R/-	Scale = .1875"/Ft.
TC LL	20.0 PSF	REF R8228- 42039
TC DL	10.0 PSF	DATE 05/05/09
BC DL	10.0 PSF	DRW HCUSR8228 09125031
BC LL	0.0 PSF	HC-ENG TCE/WHK
TOT.LD.	40.0 PSF	SEQN- 59415
DUR.FAC.	1.25	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MTGA (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. THE REG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THIS (NATIONAL DESIGN SPEC. FOR AEPD) AND TPI. THE REG PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 10A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT



Top chord	2x4	SP #2	Dense
Bot chord	2x4 <td>SP #2</td> <td>Dense</td>	SP #2	Dense
webs	2x4 <td>SP #3</td> <td></td>	SP #3	

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP C, wind IC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI (+/-) = 0.18

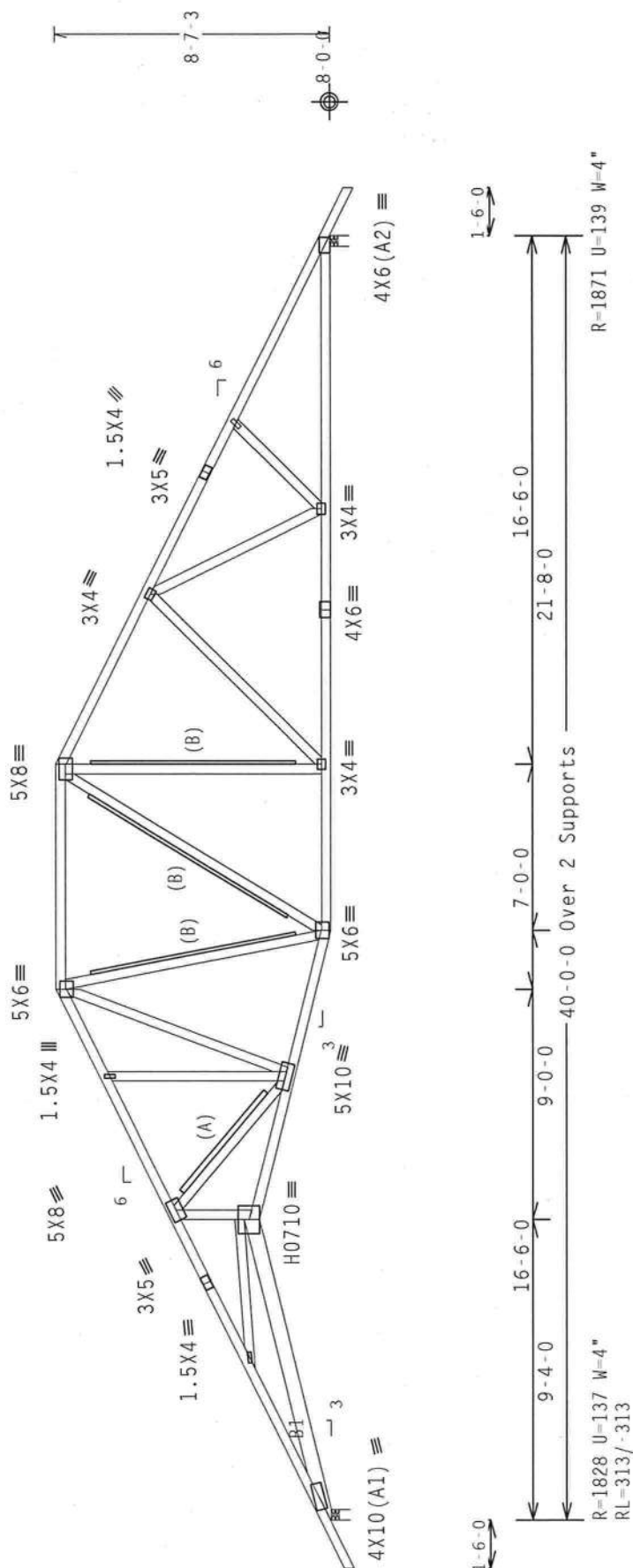
Wind reactions based on MWFRS pressures.

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

(A) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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



PLT TYP. 20 Gauge HS, Wave

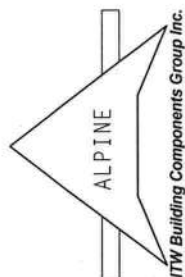
Design Crit: FBC2007Res/TPI - 2002 (STD)
 $FT/RT = 20\% (0\%) / 0 (0)$

~~8.07.09: 2~~

TC LL	20.0	PSF	REF R8228- 42040
TC DL	10.0	PSF	DATE 05/05/09
BC DL	10.0	PSF	DRW HCUSR8228 09125032
BC LL	0.0	PSF	HC-ENG TCE/WHK *
TOT.LD.	40.0	PSF	SEON- 59418
DUR.FAC.			1.25

[illegible]

****IMPORTANT****-FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO OR DESTRUCTION OF THE TROSS IN COMPLIANCE WITH THESE SPECIFICATIONS. WHEN CONSIDERING HANDLING, SHIPPING, UNLOADING & BRACING OF TRUSSES, THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF ROSS (NATIONAL DESIGN SPEC.), BY AF&PA) AND TP1. 1TW BCG CONNECTOR PLATES ARE MADE OF 20/18/19 ALUMINUM ALLOY A653 GRADE 40/60 (A₇/H₃₅) GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE NOTED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT.



Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense :B1 2x6 SP #2:
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

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

(C) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

110 mph wind. 15.00 ft mean hgt. ASCE 7-05. CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI(+/-)=0.18

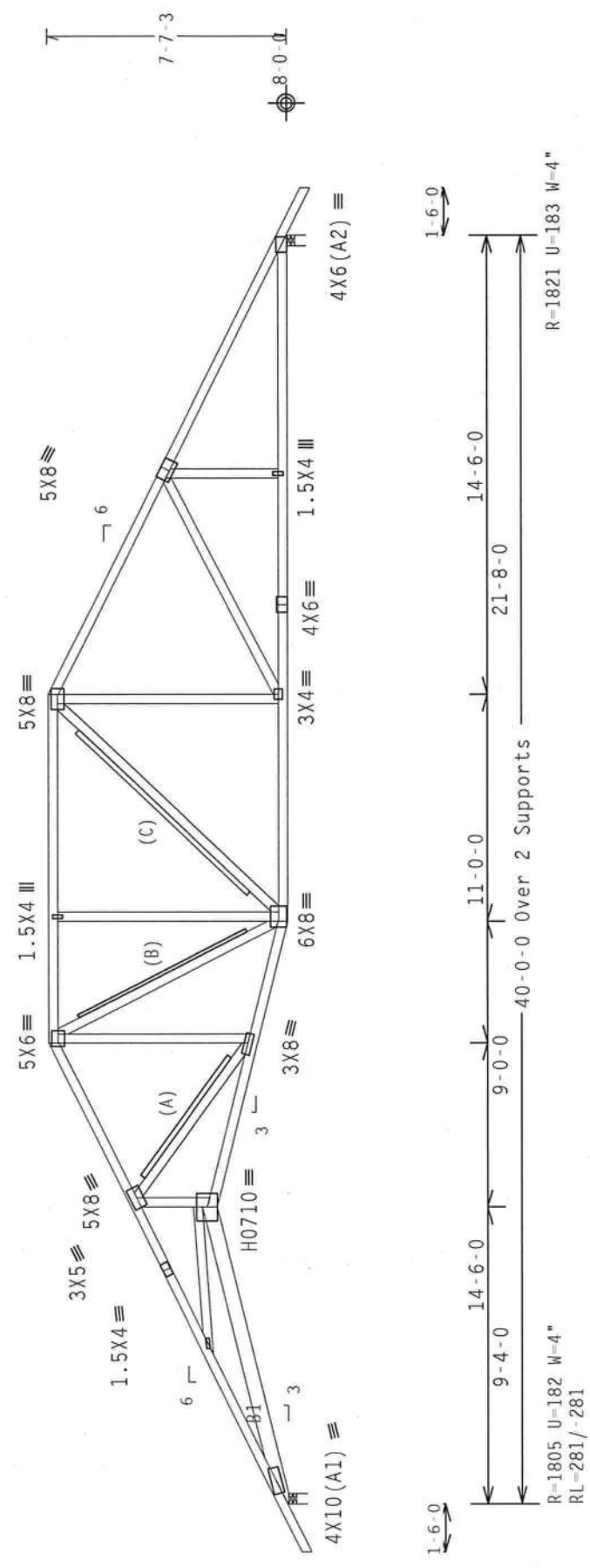
Wind reactions based on MWFRS pressures.

(B) 1x4 #3SRB SPF-S or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

(A) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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



PLT TYP. 20 Gauge HS.Wave

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

8.07.00

QTY:1

FL/-/4/-/-/R/-

Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R8228- 42041
TC DL	10.0 PSF <td>DATE</td> <td>05/05/09</td>	DATE	05/05/09
BC DL	10.0 PSF	DRW	HCUSR8228 09125033
BC LL	0.0 PSF <td>HC-ENG</td> <td>TCE/WHK *</td>	HC-ENG	TCE/WHK *
TOT.LD.	40.0 PSF <td>SEQN-</td> <td>59421</td>	SEQN-	59421
DUR.FAC.	1.25		

ALPINE

ITW Building Components Group Inc.

STATE OF FLORIDA
No. 52212
JAMES E. BOZINGER
PROFESSIONAL ENGINEER

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, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 500 N. MICHIGAN AVE., CHICAGO, IL 60611) 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 THE FAILURE OF THE TRUSS IN COMPLIANCE WITH THE DESIGN. THE TRUSS IS TO BE INSTALLED IN ACCORDANCE WITH THE DESIGN. THE TRUSS IS TO BE INSTALLED IN ACCORDANCE WITH THE DESIGN. THE TRUSS IS TO BE INSTALLED IN ACCORDANCE WITH THE DESIGN.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense :B1 2x6 SP #2:
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

Calculated horizontal deflection is 0.17" due to live load and 0.18" due to dead load.

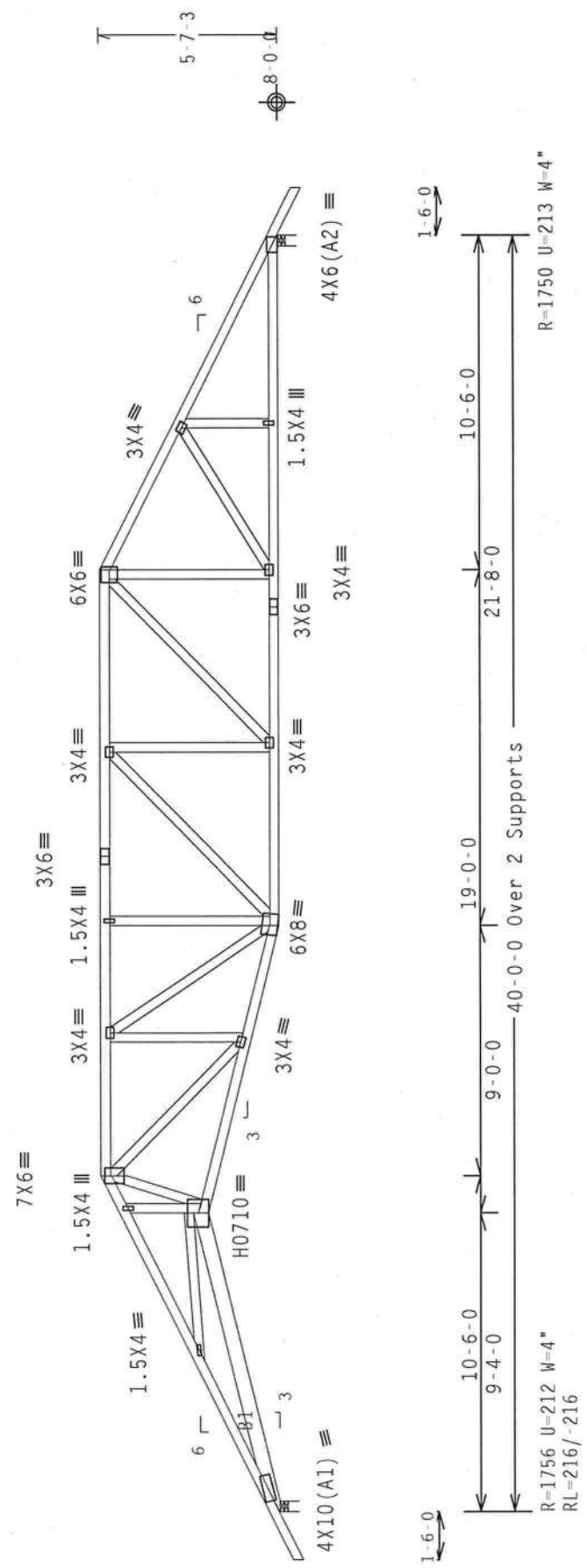
Bottom chord checked for 10.00 psf non-concurrent live load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ 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.



Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%)/0(0)

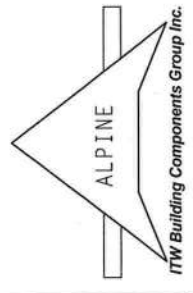
PLT TYP. 20 Gauge HS.Wave
QTY:1
Scale = .1875" / Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (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**** TURNISH 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 AISC (NATIONAL DESIGN SPEC. BY AREA) AND TPI. ITW BCG CONNECTOR PLATES SHALL BE USED FOR ALL JOINTS. TRUSSES SHALL BE GALVALUM. STEEL. APPROX. 2% MINIMUM GALVALUM. COATING. TRUSSES OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 150A-2. ANY INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE PER AREA A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT.



TC LL	20.0 PSF	REF	R8228- 42043
TC DL	10.0 PSF	DATE	05/05/09
BC DL	10.0 PSF	DRW	HCUSR8228 09125035
BC LL	0.0 PSF	HC-ENG	TCE/WHK
TOT.LD.	40.0 PSF	SEQN-	59427
DUR.FAC.	1.25		



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

Roof overhang supports 2.00 psf soffit load.

(A) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.

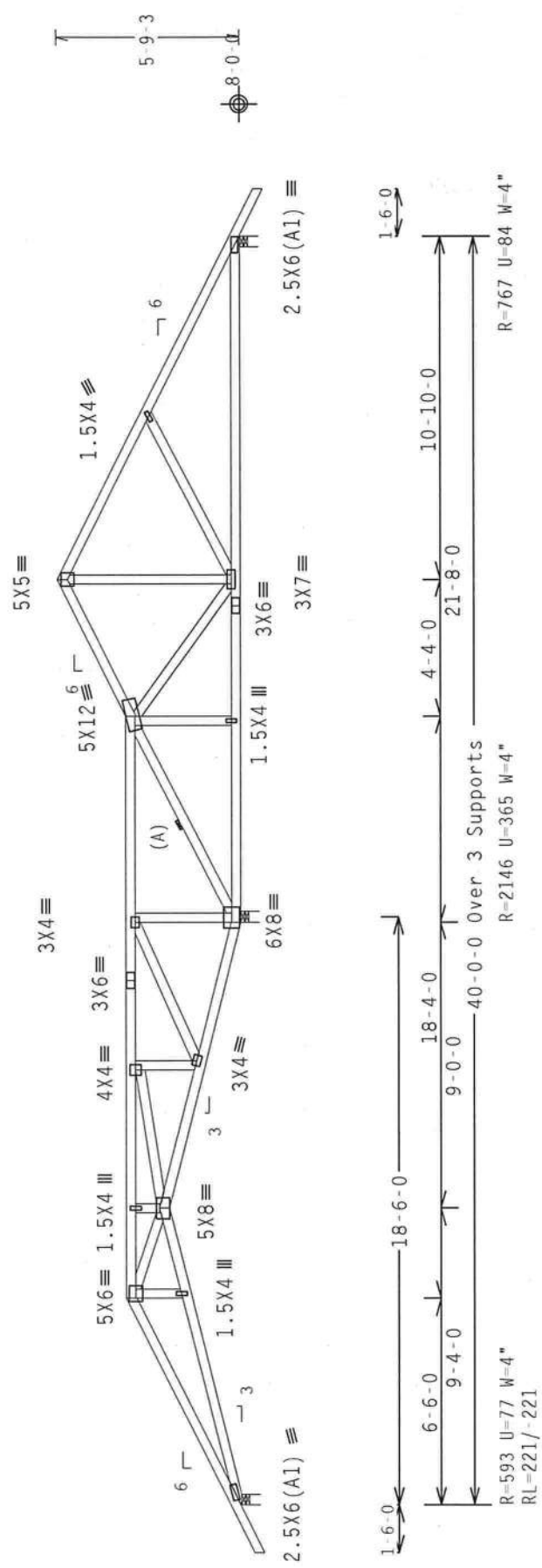
Shim all supports to solid bearing.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

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.

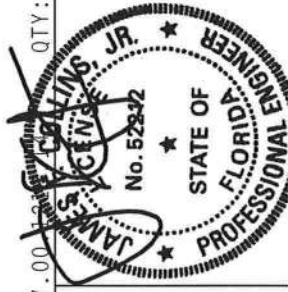


Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%)/0(0)

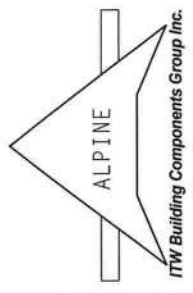
QTY: 1 FL/-4/-/R/- Scale = .1875"/Ft.

****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, 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.

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TC LL	20.0 PSF	REF	R8228 - 42045
TC DL	10.0 PSF	DATE	05/05/09
BC DL	10.0 PSF	DRW	HCUSR8228 09125037
BC LL	0.0 PSF	HC-ENG	TCE/DLJ
TOT.LD.	40.0 PSF	SEQN-	59433
DUR.FAC.	1.25		



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

Roof overhang supports 2.00 psf soffit load.

Gable end supports 8" max rake overhang.

See DWGS A11015050109 & GBLLEIN0109 for more requirements.

#1 hip supports 5-0-0 jacks with no webs.

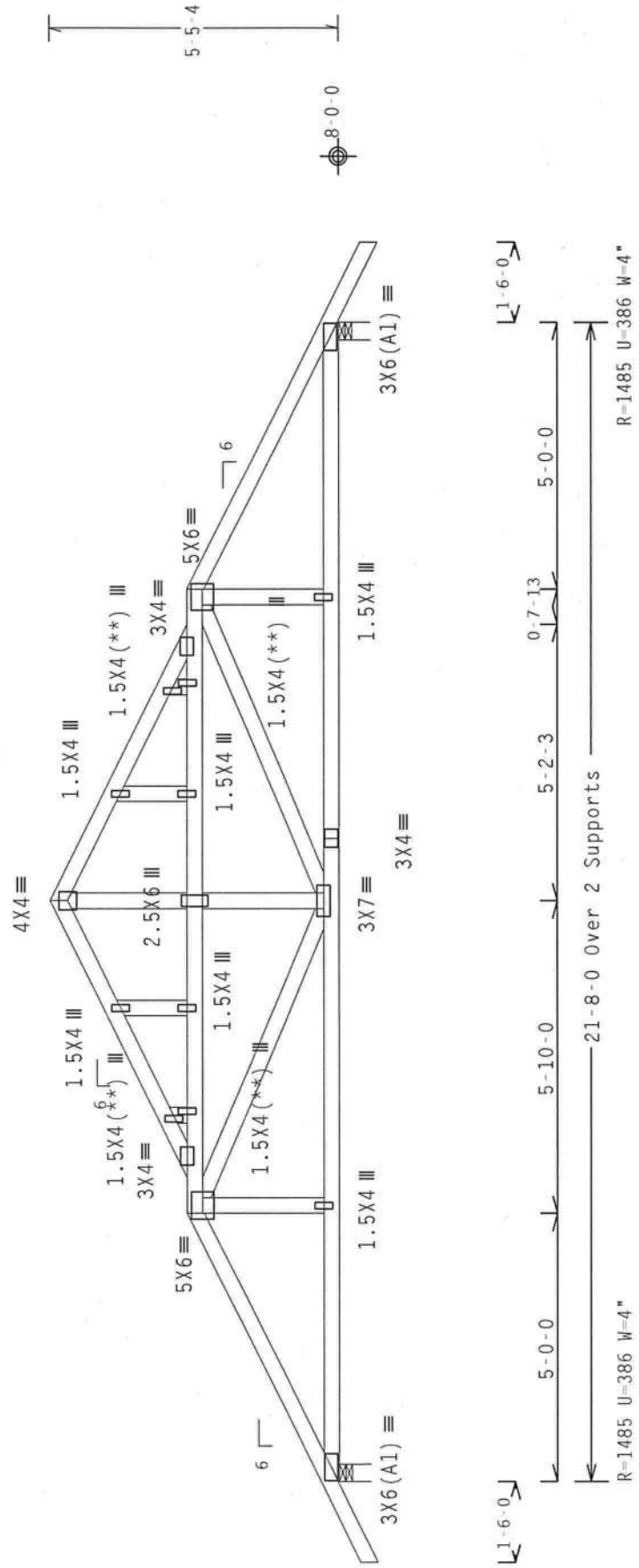
Deflection meets L/240 live and L/180 total load.

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

110 mph wind, 15.00 ft mean hgt. ASCE 7-05, CLOSED bldg, Located anywhere in roof. CAT II, Exp C, 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.



PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%)/0(0)

8.07.00

QTY:1

FL/-/4/-/R/-

Scale = .3125"/Ft.

TC LL	20.0 PSF	REF	R8228	42046
TC DL	10.0 PSF	DATE	05/05/09	
BC DL	10.0 PSF	DRW	HCUSR8228	09125038
BC LL	0.0 PSF	HC-ENG	TCE/DLJ	
TOT.LD.	40.0 PSF	SEQN-	59339	
DUR.FAC.	1.25			

JAMES H. FOLKINS JR.
No. 52212
STATE OF FLORIDA
PROFESSIONAL ENGINEER

ALPINE
ITW Building Components Group Inc.

****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 MICA (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.

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

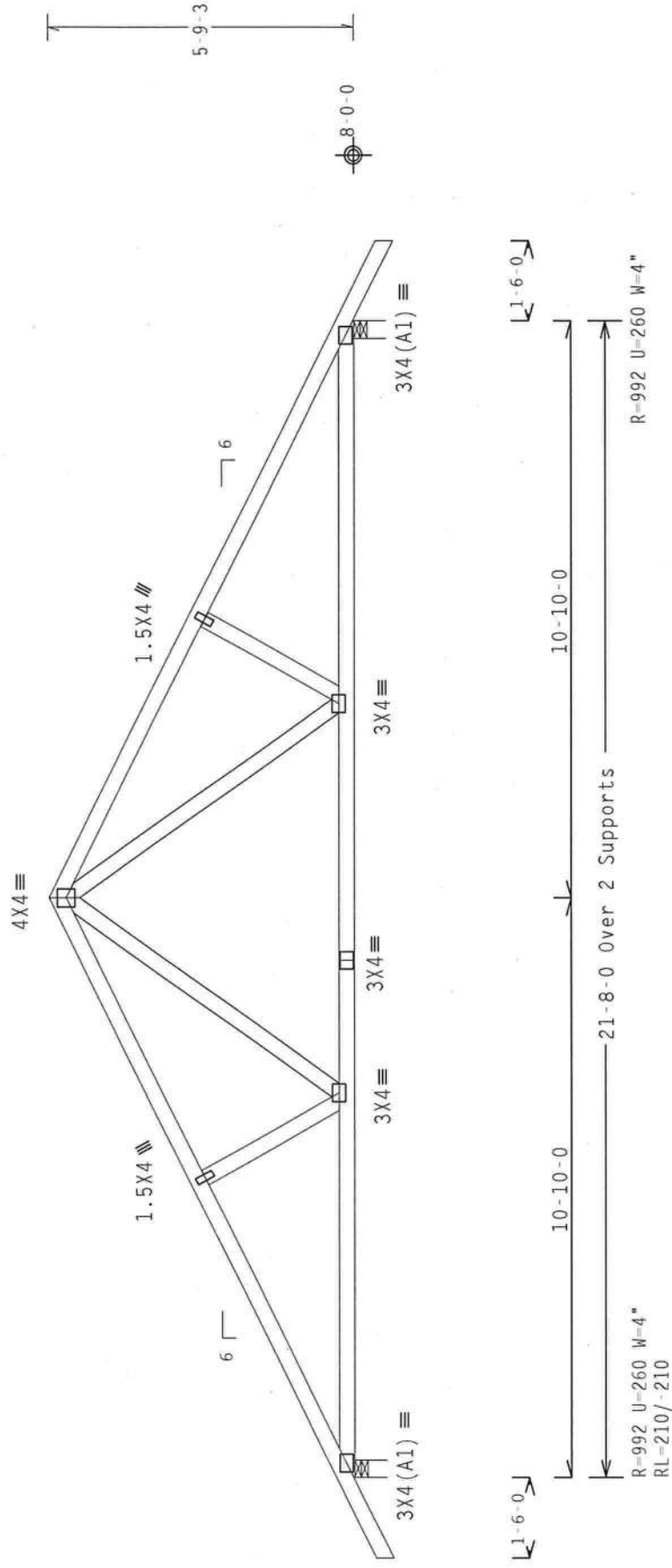
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf Iw=1.00 GCpi(+/-)=0.18

Roof overhang supports 2.00 psf soffit load.

Wind reactions based on MWFRS pressures.

Bottom chord checked for 10.00 psf non-concurrent live load.

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



PLT TYP. Wave

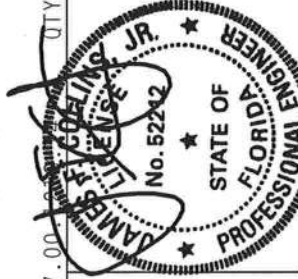
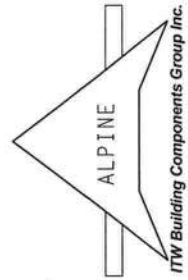
Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

8.07.00

QTY: 2 FL/-/4/-/-/R/-

Scale = .3125"/Ft.

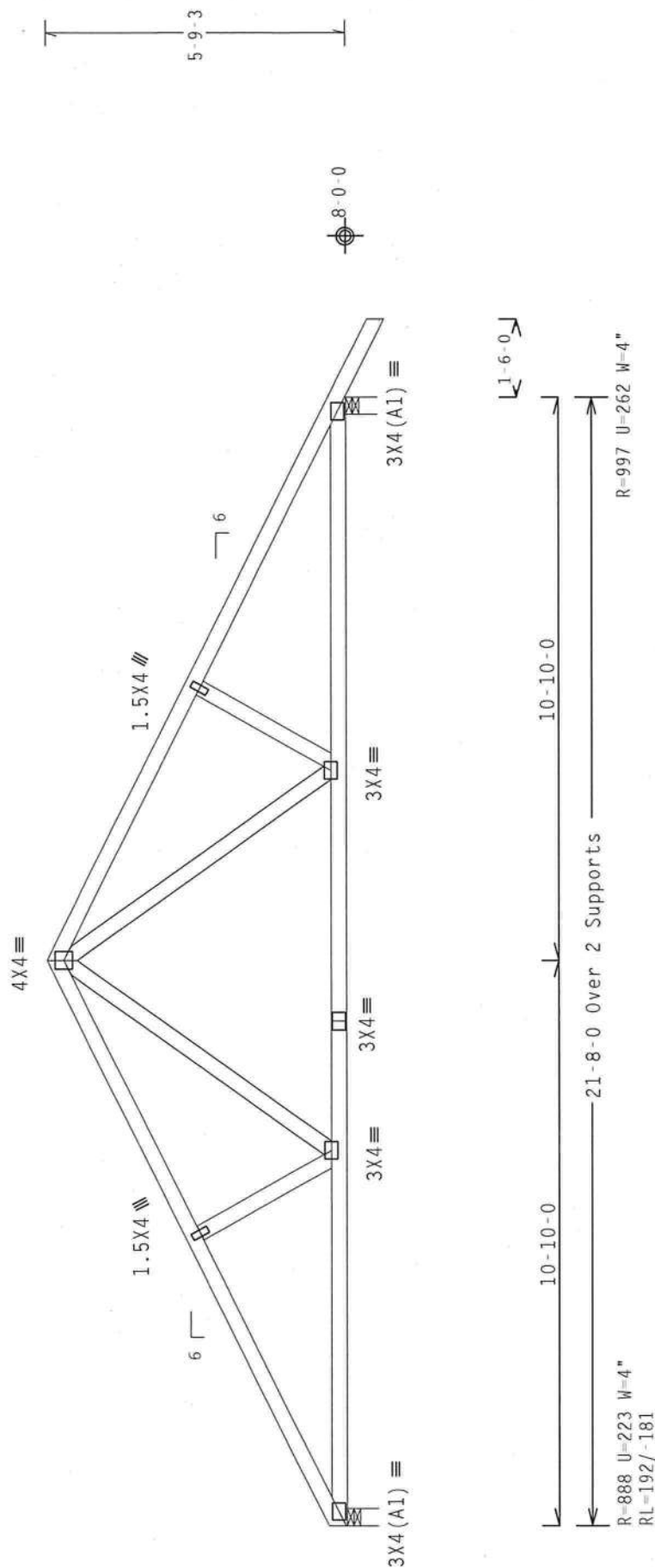
TC LL	20.0	PSF	REF	R8228- 42047
TC DL	10.0	PSF	DATE	05/05/09
BC DL	10.0	PSF	DRW	HCUSR8228 09125039
BC LL	0.0	PSF	HC-ENG	TCE/WHK *
TOT.LD.	40.0	PSF	SEQN-	59388
DUR.FAC.	1.25			

[illegible]

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, 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.

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)
$$\text{Scale} = .3125"/\text{Ft.}$$

QTY: 3 FL / - / 4 / - / - / R / -

2:00

8.0

FT/RT=20% (0%) / 0 (0)

Design 611.

PLT TYP. Wave

WARNING: ROUSSES REQUIRE EXTREME CARE IN ERECTION, HANDLING, SHIPPING, INSTALLING AND BRACING. ERECTING THE ROUSSES WITHOUT PROPER TRAINING AND SUPERVISION MAY BE DANGEROUS. ALWAYS FOLLOW THE INSTRUCTIONS AND SAFETY PRECAUTIONS OF THE MANUFACTURER. THE ROUSSES ARE NOT TO BE USED FOR ANY OTHER PURPOSES. THE ROUSSES ARE NOT TO BE USED FOR ANY OTHER PURPOSES. THE ROUSSES ARE NOT TO BE USED FOR ANY OTHER PURPOSES.

◁

IMPORTANT *TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BEG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DERIVATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS FOR FABRICATING, HANDLING, SHIPPING, INSTALLING & DACKING OF TRUSSES. THE TRUSS COMPONENTS SHALL BE MANUFACTURED TO THE SPECIFICATIONS BY ARGENA AND TPI. THE BEG CORRUPTOR PLATES ARE MADE OF 2010/106GA (H4/H5/MS) ASTM A053 GRADE 40/60 (H4/H5/MS) GALV. STEEL, APPLY TO ALL TRUSS COMPONENTS. THE TRUSS COMPONENTS ARE MADE OF 2010/106GA (H4/H5/MS) ASTM A053 GRADE 40/60 (H4/H5/MS) GALV. STEEL, APPLY TO ALL TRUSS COMPONENTS. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. THE TRUSS COMPONENTS SHALL BE MANUFACTURED TO THE SPECIFICATIONS BY ARGENA AND TPI. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENTS.



ITW Building Components Group Inc.

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

Roof overhang supports 2.00 psf soffit load.

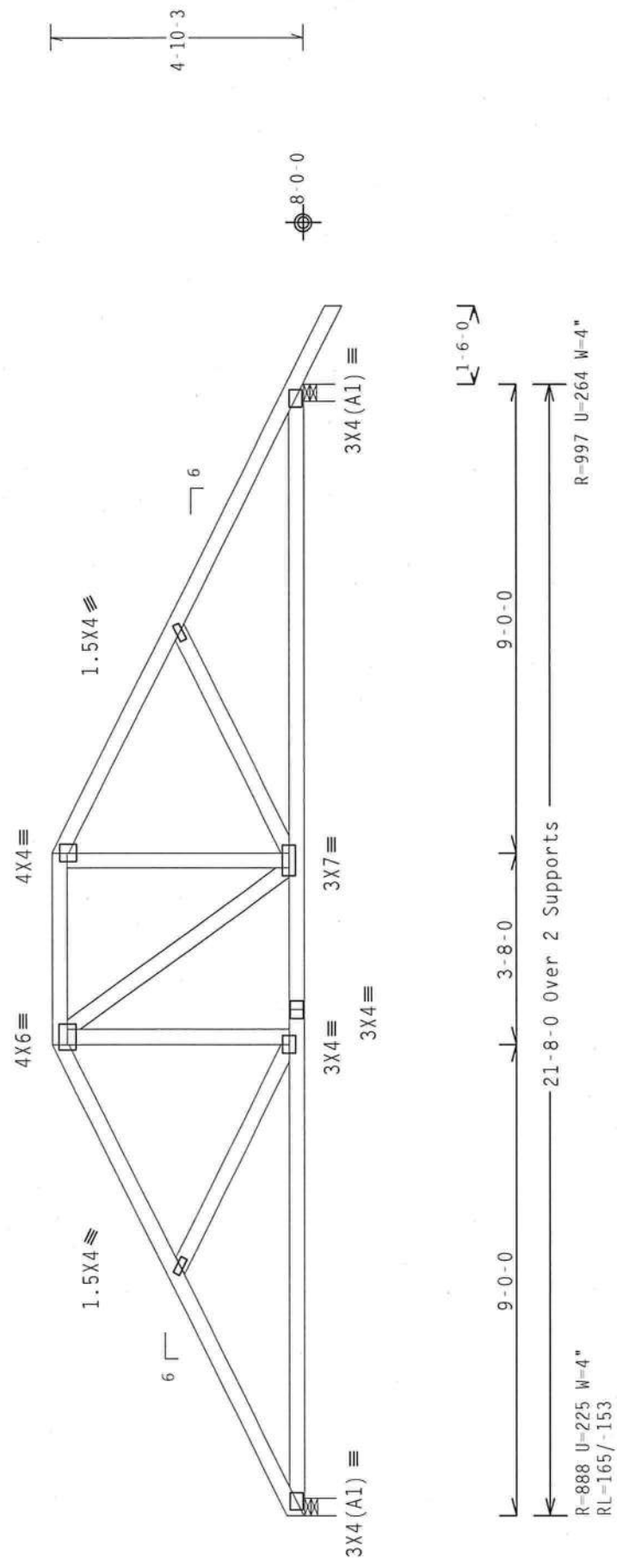
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI(+/-)=0.18

Wind reactions based on MMFRS pressures.

Bottom chord checked for 10.00 psf non-concurrent live load.

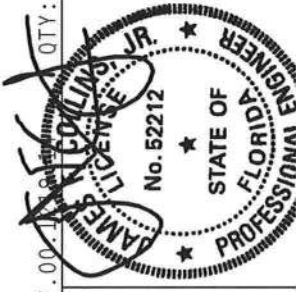
Deflection meets L/240 live and L/180 total load.



Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

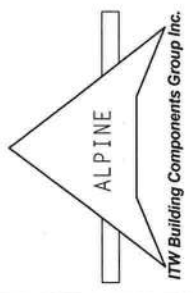
QTY: 1 FL/-/4/-/ -/R/- Scale = .3125"/Ft.

TC LL	20.0 PSF	REF	R8228- 42050
TC DL	10.0 PSF	DATE	05/05/09
BC DL	10.0 PSF	DRW	HCUSR8228 09125042
BC LL	0.0 PSF	HC-ENG	TCE/WHK *
TOT.LD.	40.0 PSF	SEQN-	59367
DUR.FAC.	1.25		



****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 WIGA (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. CONNECTION PLATES ARE MADE OF 2017/18/16GA (M 1/2X5/8) 453M 4533 GRADE 40/60 (M 1/2X5/8) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER A3 OF 1911-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. EXCEPT FOR THE INFORMATION CONTAINED HEREON, THE DESIGNER ASSUMES NO LIABILITY FOR THE PERFORMANCE OF THE TRUSS.



PLT TYP. Wave

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

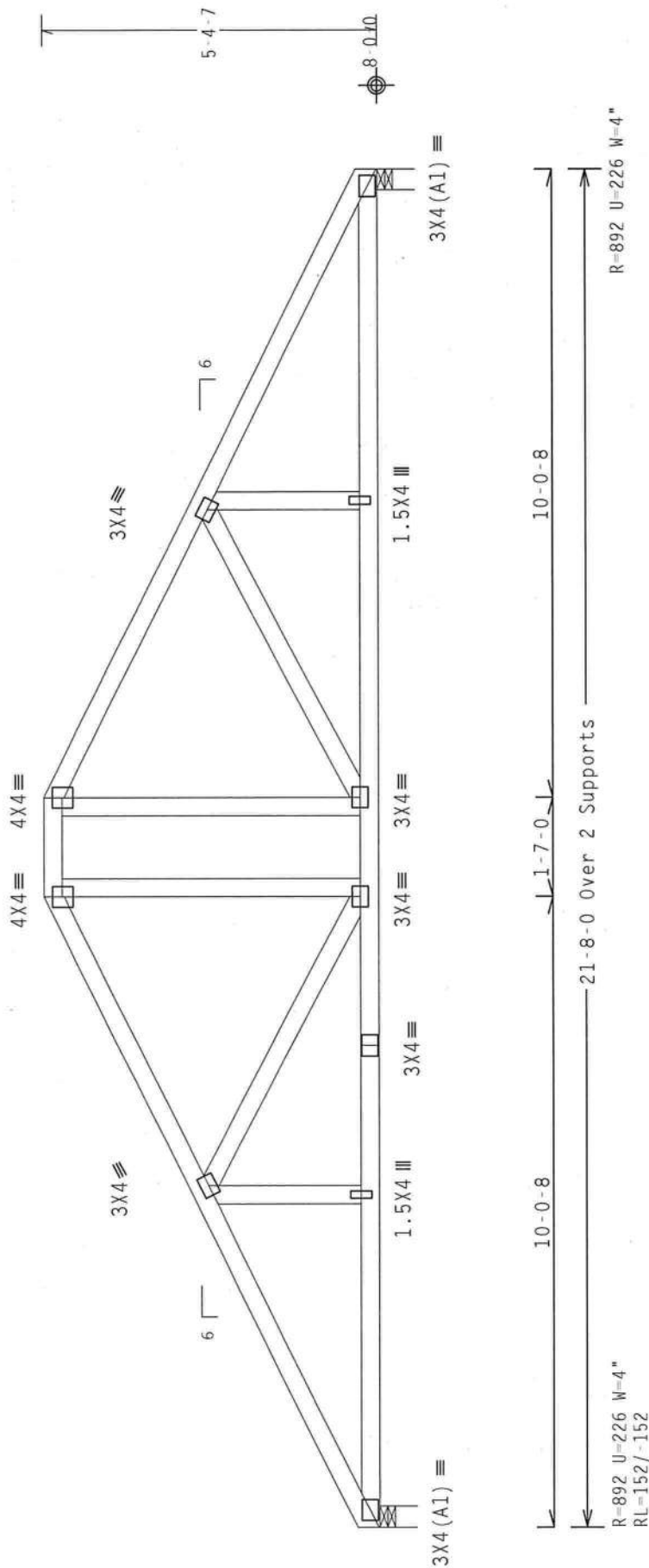
1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, 1w=1.00 GCpi (+/-) = 0.18

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

Wind reactions based on MWFRS pressures.

Bottom chord checked for 10.00 psf non-concurrent live load.

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



PLT TYP. Wave

Design Crit: FBC2007Res/TPI - 2002 (STD)
FT/RT=20%(0%)/0(0)

~~8.07.09.~~

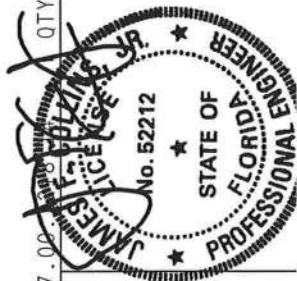
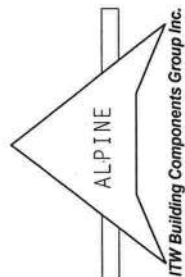
TY:1

FL/-/4/-/-/R/-/-

Scale = .375"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, UNLOADING AND BRACING. (SEE ALSO BOSTON TRUSS COMPANY'S LITERATURE, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 218 NORTH 10TH STREET, SUITE 312, ALLEGHENY, PA. 15214) AND ALABAMA TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LAKE, SUITE 3108, MC 53719, AL 35719. THESE 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 CELLING.

****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, TIM BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE OR LOSS OF PROPERTY CAUSED BY FAILURE TO FOLLOW THESE THRUSS IN CONFORMANCE WITH:
TIM BCG
INSTALLER'S MANUAL ON FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.
DESIGN COMPLIES WITH APPLICABLE PROVISIONS OF BOB (NATIONAL) DESIGN SPEC, BY AREA AND TPTI.
CONNECTION PLATES ARE MADE OF 20X19X16GA (.075)/ASME A563 GRAD. 40/60 @ .871/.55 GALV. STEEL. APPLY
PLATE TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON POSITION PER DRAWINGS 1-60A-2,
. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AME AS AT JULY 2002 SEC.3.
DRAWING INDICATES ACCEPTANCE OF FUTURE MODIFICATIONS REQUIRING APPROVAL FROM THE ENGINEERING DEPARTMENT OF THE U.S. ARMY CORP.
OF ENGRS.



TC LL	20.0 PSF	REF R8228- 42051
TC DL	10.0 PSF	DATE 05/05/09
BC DL	10.0 PSF	DRW HCUSR8228 09125043
BC LL	0.0 PSF	HC-ENG TCE/WHK *
TOT.LD.	40.0 PSF	SEQN- 59370
DUR.FAC.	1.25	

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

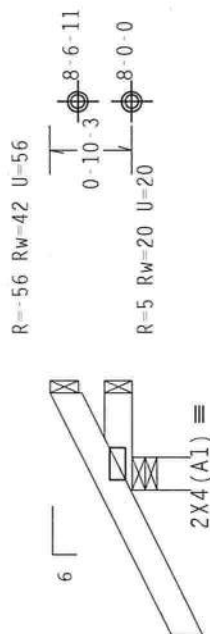
Roof overhang supports 2.00 psf soffit load.

Bottom chord checked for 10.00 psf non-concurrent live load.

11110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, 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.



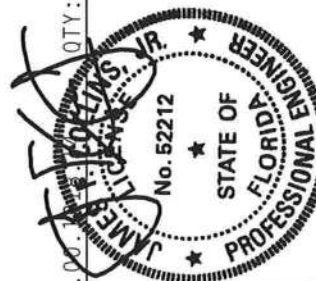
← 1-6-0 →
1-0-0 Over 3 Supports
R=254 U-95 W=4"
RL=42/-32

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

PLT TYP. Wave

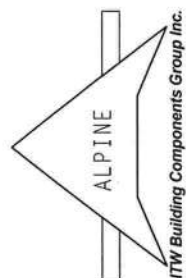
Scale = .5" / Ft.

TC LL	20.0	PSF	REF R8228- 42052
TC DL	10.0	PSF	DATE 05/05/09
BC DL	10.0	PSF	DRW HCU8R8228 09125018
BC LL	0.0	PSF	HC-ENG TCE/DLJ
TOT.LD.	40.0	PSF	SEQN- 59313
DUR.FAC.	1.25		



WARNING- TRUSSES REQUIRE EXTENSIVE CARE FOR EROSION, HANDLING, SHIPPING, INSTALLING AND UNLOADING. ALWAYS WEAR PROTECTIVE EQUIPMENT. SAFETY INFORMATION PUBLISHED BY TPI, CHUOUS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND NCTA, 4000 TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, SUITE 501, ALBANY, GA 31719. FOR SAFETY PRACTICES PRIOR TO PERFORMING THE 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, ITM REG., INC. SHALL BE RESPONSIBLE FOR FURNISHING THE TRUSS IN CONFORMANCE WITH THE FOLLOWING SPECIFICATIONS: INSTALLING, SHIPPING, UNLOADING, AND BRACING OF TRUSSES WITH THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND TPI. TRUSS CONNECTOR PLATES ARE MADE OF 20/18/16GA (H/WS/TS) ASTM A563 GRADE 40/40 (H, E/WS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, (UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1606-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPI1-2002 SEC.2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR TRUSS COMPONENT



ITW Building Components Group Inc.

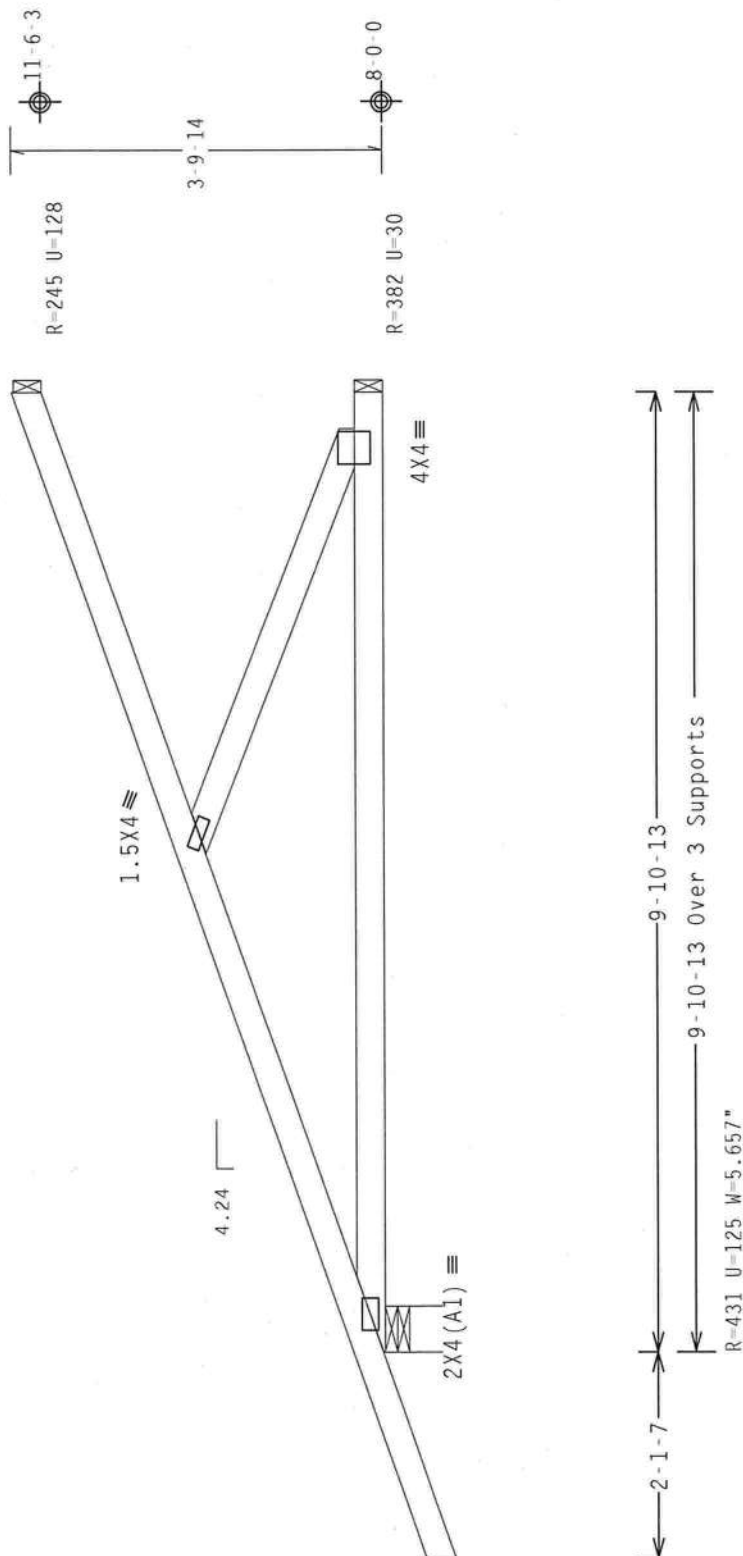
Top chord	2x4	SP	#2	Dense
Bot chord	2x4	SP	#2	Dense
Webbs	2x4	SP	#3	

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located
anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC
DL=5.0 psf, lw=1.00 GCpi (+/-) =0.18

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

Wind reactions based on MWFRS pressures.

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

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

PLT TYP. Wave

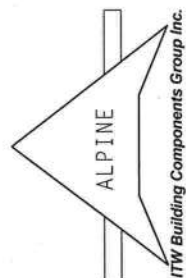
Scale = .5"/Ft.

	TC LL	20.0 PSF	REF R8228- 42053
	TC DL	10.0 PSF	DATE 05/05/09
	BC DL	10.0 PSF	DRW HCUSR8228 09125044
	BC LL	0.0 PSF	HC-ENG TCE/DLJ
	TOT. LD.	40.0 PSF	SEQN- 59318
	DUR. FAC.	1.25	

WARNING THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BEARING REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, SUCH AS: AISC/AISI STEEL JOINT TRUSS, COUNCIL OF AMERICAN TRUSS ROOFERS, 6300 ENTERPRISE LANE, WADSWORTH, MI 48093, 41-532719, 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, TTH REG., INC., SHALL NOT BE CONSIDERED AN ENDORSEMENT BY TTH REG., INC. OF THE THRUSS IN COMPLIANCE WITH THE TYPE OR ADAPTING AND/OR SHIPPING, INSTALLING & BRACING OF TRUSSES.

THIS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF BDS (NATIONAL DESIGN SPEC., BY AIAA) AND TPI. 1TH REG CONNECTOR PLATES ARE MADE OF 20/18/16GSA (H/J/K/S/L) ASTM A563 GRADE 40/60 (F_y/H_s) 55 KSI GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON DESIGN POSITION PER DRAWINGS 100A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AXES AS AT JUNE 1992 SEC.3.3. A SCL ON THIS DRAWING INDICATES A LOCATION OF DISCONTINUITY OF THE TRUSS MEMBER. THE REVERSIBILITY OF THE DRAWING INDICATES A DISCONTINUITY OF THE TRUSS MEMBER FOR ANY BUILDING IS THE REVERSIBILITY OF THE TRUSS MEMBER. THIS DRAWING IS NOT A SUBSTITUTE FOR ANY BUILDING IS THE REVERSIBILITY OF THE TRUSS MEMBER.



ITW Building Components Group Inc.

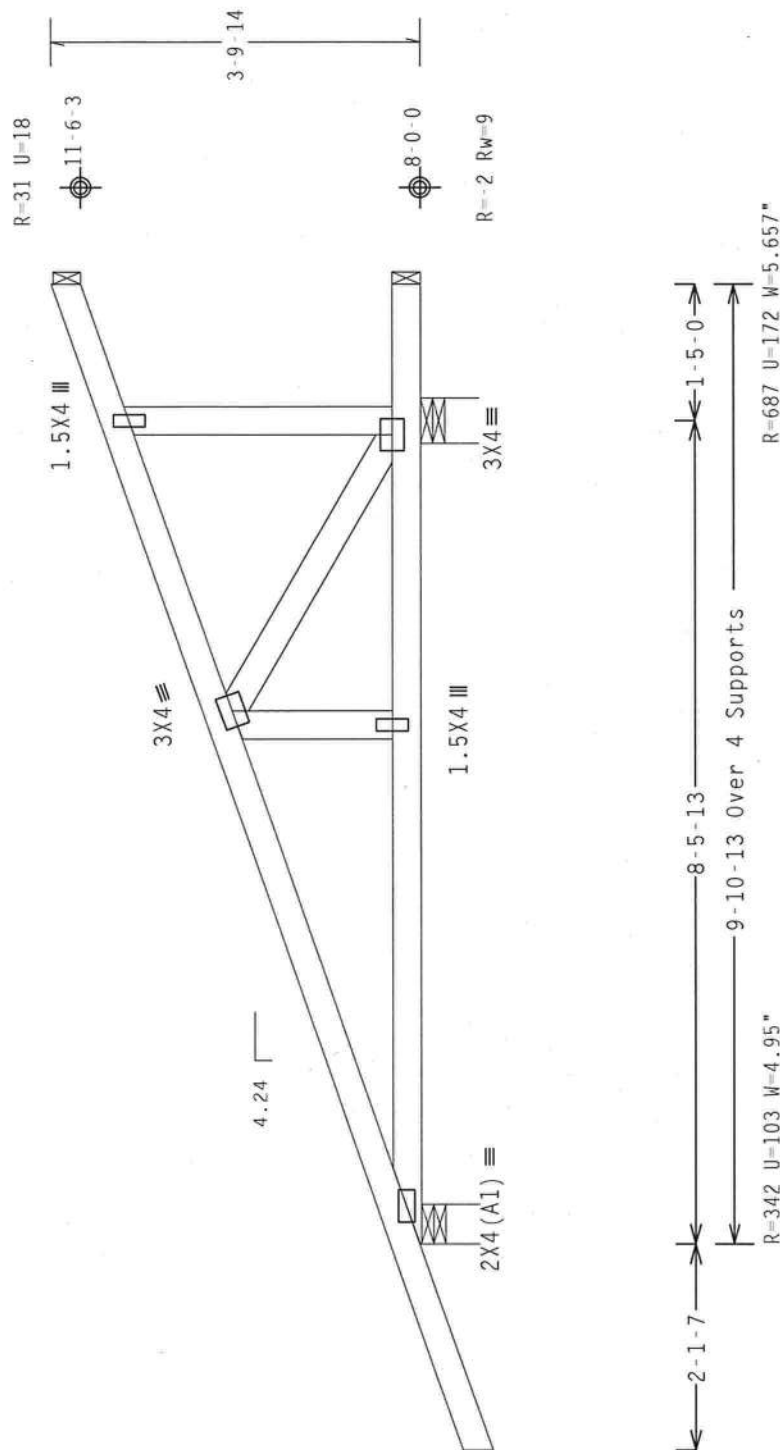
Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)0.18

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

Wind reactions based on MWFRS pressures.

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



PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

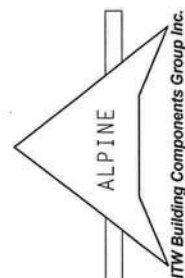
QTY: 1 FL / - / 4 / - / - / R / -
Scale = .5" / Ft.

TC LL	20.0	PSF	REF R8228- 42054
TC DL	10.0	PSF	DATE 05/05/09
BC DL	10.0	PSF	DRW HCUR8228 09125021
BC LL	0.0	PSF	HC-ENG TCE/DLJ
TOT.LD.	40.0	PSF	SEQN- 59325
DUR.FAC.	1.25		



****WARNING**** TROUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TROUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TROUSS 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 PROPERLY ATTACHED RIGID CEILING

**** IMPORTANT **** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BEGG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE BEGG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.



ITW Building Components Group Inc.

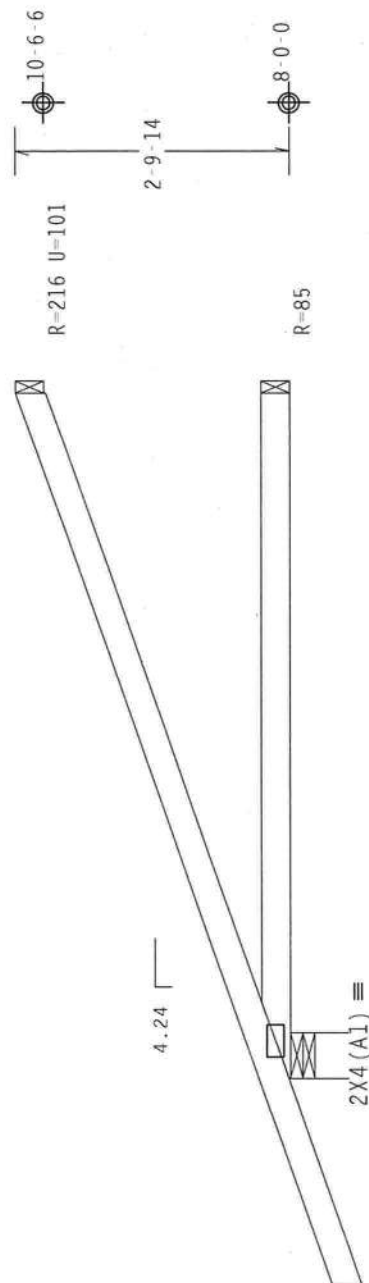
Top chord	2x4	SP	#2	Dense
Bot chord	2x4	SP	#2	Dense

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLO5ED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Hipjack supports 5-0-0 setback jacks with no webs.

Wind reactions based on MWFRS pressures.

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



$\longleftrightarrow 2-1-7 \longleftrightarrow$
 $\longleftrightarrow 7-0-14 \text{ Over } 3 \text{ Supports} \longleftrightarrow$
 $R=275 \quad U=86 \quad W=5,657^*$

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

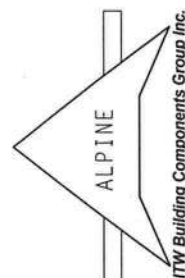
PLT TYP. Wave

QTY: 2 FL / - / 4 / - / - / R / -
Scale = .5" / Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESIGN (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATING INSTITUTE, 2400 W. WILSON AVE., CHICAGO, IL 60644, 312/467-3100, FOR TRUSS SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CELLING.

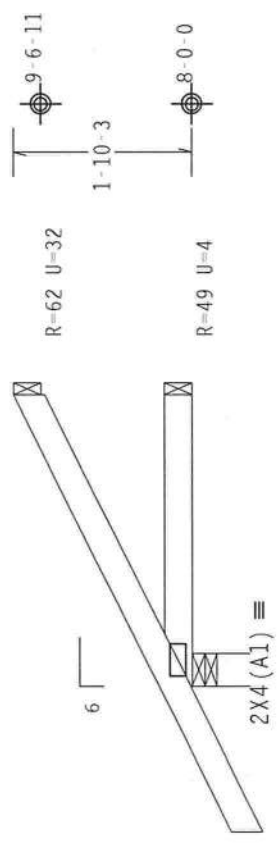
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TC DL	10.0 PSF	DATE 05/05/09
BC DL	10.0 PSF	DRW HCUSR8228 09125045
BC LL	0.0 PSF	HC-ENG TCE/DLJ
TOT.LD.	40.0 PSF	SEQN- 59328
DUR.FAC.	1.25	

A circular professional seal for James F. Hollins, a Professional Engineer in the State of Florida. The seal features the text "JAMES F. HOLLINS" around the top inner edge, "PROFESSIONAL ENGINEER" around the bottom inner edge, and "STATE OF FLORIDA" in the center. The license number "No. 52212" is printed in the middle. There are three stars separating the top and bottom text. A signature is written over the seal.

[illegible]

ITW Building Components Group Inc.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Roof overhang supports 2.00 psf soffit load.
Bottom chord checked for 10.00 psf non-concurrent live load.
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located
anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC
DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$
Wind reactions based on MWFRS pressures.
Deflection meets L/240 live and L/180 total load.



←1-6-0→
3-0-0 Over 3 Supports
R=262 U=64 W=4"
RL=76/-40

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

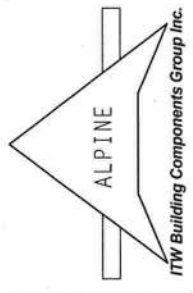
QTY: 11 FL/-/4/-/R/- Scale = .5"/Ft.

TC LL	20.0 PSF	REF	R8228- 42056
TC DL	10.0 PSF	DATE	05/05/09
BC DL	10.0 PSF	DRW	HCUSR8228 09125019
BC LL	0.0 PSF	HC-ENG	TCE/DLJ
TOT.LD.	40.0 PSF	SEQN	59331
DUR.FAC.	1.25		



****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, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (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. FOR WOOD), AIAA (AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS), AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.). THE BCG DESIGNER PLATES AND CONNECTIONS SHALL BE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH THE DESIGN PER DRAMING 1004-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC. 3. A SEAL OR THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT.



Top	chord	2x4	SP	#2	Dense
80t	chord	2x4	SP	#2	Dense

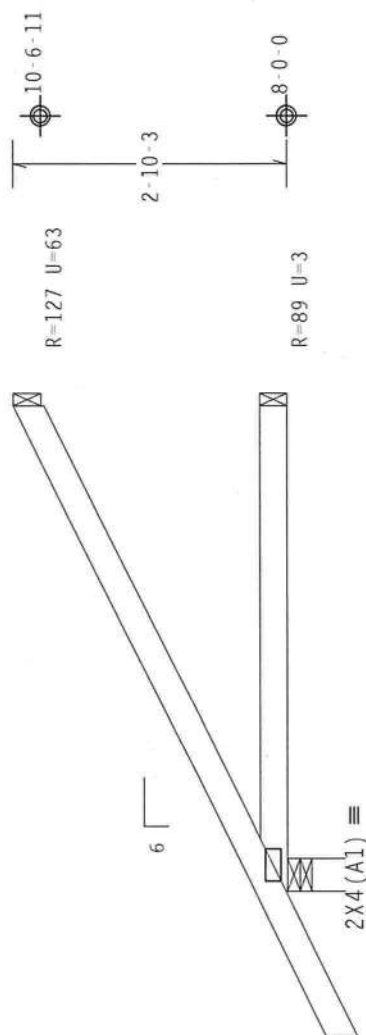
1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI(+/-)0.18

Roof overhang supports 2.00 psf soffit load.

Wind reactions based on MWFRS pressures.

Bottom chord checked for 10.00 psf non-concurrent live load.

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



1-6-0

5-0-0 Over 3 Supports

R=331 U=71 W=4"

RL-110/-48

Design Crit: FBC2007Res/TPI-2002(STD)

FT/RT=20%(0%) / 0(0)

8.07.00

QTY

FL/-/4/-/-/R/-

Scale = .5"/Ft.

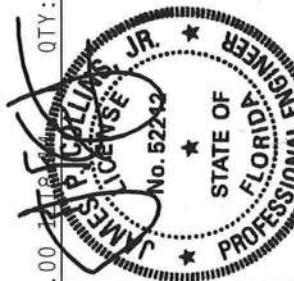
WARNING TRUSSES REQUIRING EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. SEE THE FOLLOWING COMPANIES FOR INFORMATION: PUBLISHED BY THE TRUSS PLATING INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND WICA (WOOD TRUSS COUNCIL OF AMERICA), 6300 HERRINGHILL DRIVE, SUITE 100, FALLS CHURCH, VA 22044. SEE 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 CELLING.

[illegible]

PLT TYP. Wave

ALPINE

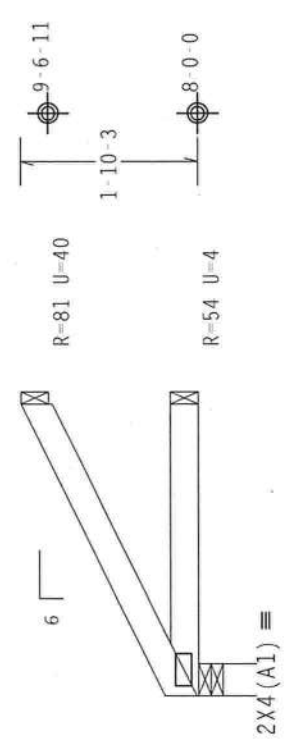
ATW Building Components Group Inc.



(9-099--Fill in later ERKINGER -- ** - C.J3)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Bottom chord checked for 10.00 psf non-concurrent live load.
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located
anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC
DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18
Wind reactions based on MWFRS pressures.



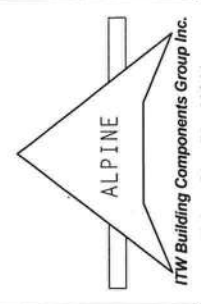
3'-0-0 Over 3 Supports
R=130 U=16 W=4"
RL=50

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20% (0%)/0 (0)

FL/-4/-/-R/-		Scale = 5"/Ft.	
TC LL	20.0 PSF	REF. R8228- 42059	
TC DL	10.0 PSF	DATE 05/05/09	
BC DL	10.0 PSF	DRW HCUSR8228 09125047	
BC LL	0.0 PSF	HC-ENG TCE/DLJ	
TOT.LD.	40.0 PSF	SEQN- 59345	
DUR.FAC.	1.25		

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RESC (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 BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE FABRICATION AND BRACING REQUIREMENTS OF THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CORRECTOR PLATES ARE MADE OF 20/19/16GA (W/AS/AS) ASTM A653 GRADE 40/60 (W/ K/H/SS) 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 ABHIX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. THE CONTRACTOR AND USER OF THIS COMPONENT END ANY BUILDING IS THE RESPONSIBILITY OF THE CONTRACTOR.



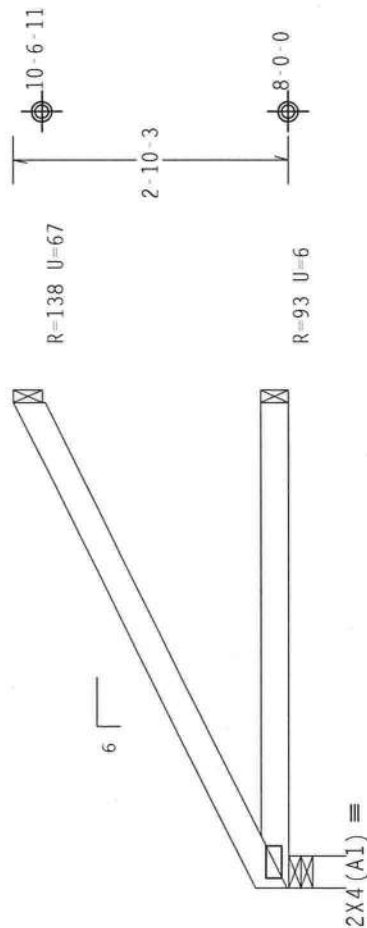
Top chord	2x4	SP	#2	Dense
Bot chord	2x4	SP	#2	Dense

Bottom chord checked for 10.00 psf non-concurrent live load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.



5-0-0 Over 3 Supports

R-212 U=29 W=4"

RL-84

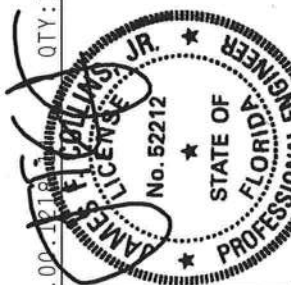
Design Crit: FBC2007Res/TPI-2002(STD)

FT/RT=20%(0%)/0(0)

00:1218 QTY:1

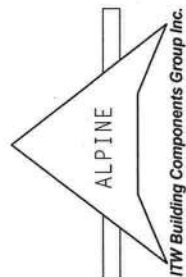
Scale = .5"/Ft.

TC LL	20.0	PSF	REF R8228- 42060
TC DL	10.0	PSF	DATE 05/05/09
BC DL	10.0	PSF	DRW HCU8R8228 09125048
BC LL	0.0	PSF	HC-ENG TCE/DLJ
TOT.LD.	40.0	PSF	SEQN- 59348
DUR.FAC.	1.25		



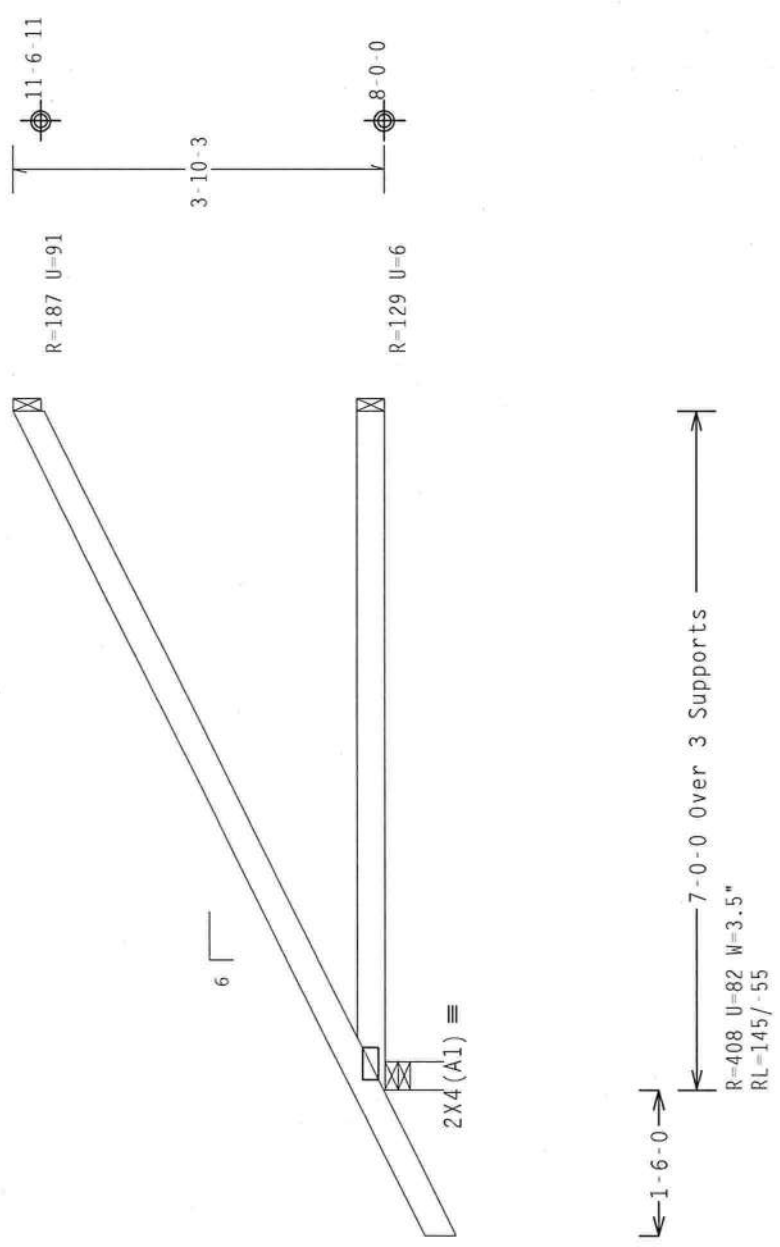
WARNING THUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI SHEPPS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION), 5300 ENTERPRISE 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, ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE OR DAMAGE TO THE TROSS IN COMPLIANCE WITH THIS DESIGN, SHALL BE THE RESPONSIBILITY OF THE USER. THE TROSS IN COMPLIANCE WITH THIS DESIGN SHALL BE DESIGNED CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY ASEP) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2008/19/16 GALV/MS3 ASPI A653 GRADE 40/60 (A, R/H-55) GALV. STEEL, APPLIED PLATES TO EACH FACE OF TROSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TROSS COMPONENT

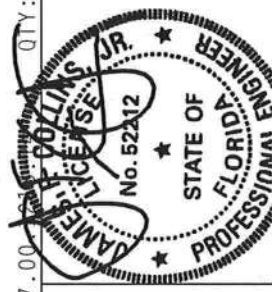


ITW Building Components Group Inc.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Roof overhang supports 2.00 psf soffit load.
Bottom chord checked for 10.00 psf non-concurrent live load.
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpl(+/-)=0.18
Wind reactions based on MWFRS pressures.
Deflection meets L/240 live and L/180 total load.



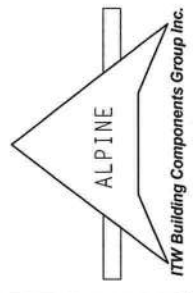
PLT TYP. Wave
Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0)/0(0) 8.07.00 QTY:6 FL/-4/-/R/- Scale = .5"/Ft.



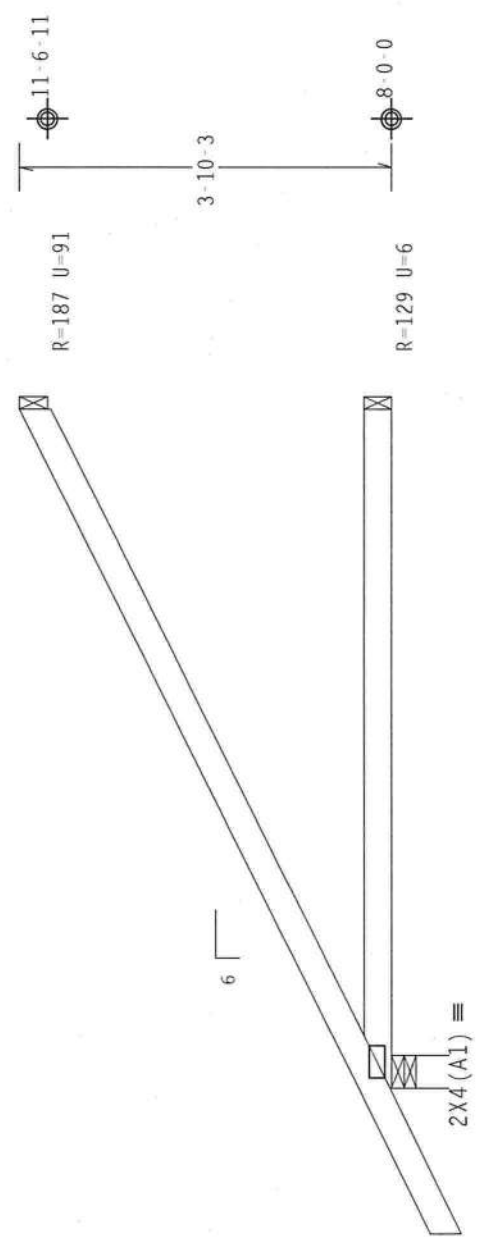
TC LL	20.0 PSF	REF	R8228- 42061
TC DL	10.0 PSF	DATE	05/05/09
BC DL	10.0 PSF	DRW	HCUSR8228 09125022
BC LL	0.0 PSF	HC-ENG	TCE/DLJ
TOT.LD.	40.0 PSF	SEQN-	59351
DUR.FAC.	1.25		

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, 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 MICA (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 BCG, 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. THE BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. THE BCG CONNECTOR PLATES ARE FABRICATED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND ARE IDENTIFIED BY THE TPI LOGO. THE BCG DESIGN CONFORMS WITH THE REQUIREMENTS OF THE TPI1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT.



Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Roof overhang supports 2.00 psf soffit load.
Bottom chord checked for 10.00 psf non-concurrent live load.
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$
Wind reactions based on MWFRS pressures.
Deflection meets L/240 live and L/180 total load.



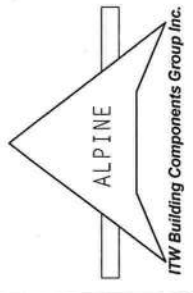
← 1'-6'-0 →
7'-0'-0 Over 3 Supports
R=408 U=82 W=4"
RL=145/-55

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%)/0(0)

PLT TYP. Wave	QTY: 5	FL / - / 4 / - / - / R / -	Scale = .5" / Ft.
	TC LL	20.0 PSF	REF R8228- 42062
	TC DL	10.0 PSF	DATE 05/05/09
	BC DL	10.0 PSF	DRW HCUSR8228 09125049
	BC LL	0.0 PSF	HC-ENG TCE/DLJ
	TOT.LD.	40.0 PSF	SEQN- 59357
	DUR.FAC.	1.25	

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (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. ITW BCG DESIGN CONFORMS WITH APPLICABLE DESIGN SPECIFICATIONS OF ASCE 7-05, 10-10, 15-10, 16-10, 17-10, 18-10, 19-10, 20-10, 21-10, 22-10, 23-10, 24-10, 25-10, 26-10, 27-10, 28-10, 29-10, 30-10, 31-10, 32-10, 33-10, 34-10, 35-10, 36-10, 37-10, 38-10, 39-10, 40-10, 41-10, 42-10, 43-10, 44-10, 45-10, 46-10, 47-10, 48-10, 49-10, 50-10, 51-10, 52-10, 53-10, 54-10, 55-10, 56-10, 57-10, 58-10, 59-10, 60-10, 61-10, 62-10, 63-10, 64-10, 65-10, 66-10, 67-10, 68-10, 69-10, 70-10, 71-10, 72-10, 73-10, 74-10, 75-10, 76-10, 77-10, 78-10, 79-10, 80-10, 81-10, 82-10, 83-10, 84-10, 85-10, 86-10, 87-10, 88-10, 89-10, 90-10, 91-10, 92-10, 93-10, 94-10, 95-10, 96-10, 97-10, 98-10, 99-10, 100-10. A SEAL OR THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT.



110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, wind BC PL=1.00 GCPI (+/-) -0.18

Wind reactions based on MWFRS pressures.

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

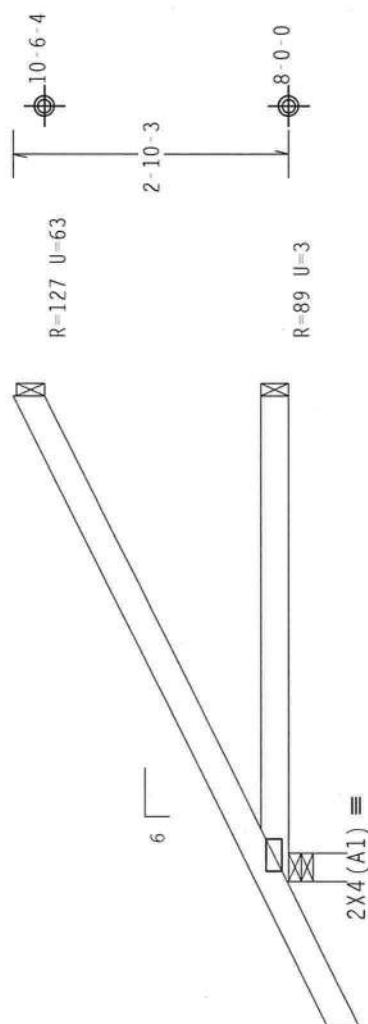


Diagram showing a roof structure with a total width of 5'-0" over 3 supports. The overhang on the left is 1'-6".

Dimensions:
 Total width: 5'-0"
 Overhang: 1'-6"
 Supports: 3
 Roof width: 5'-0" Over 3 Supports

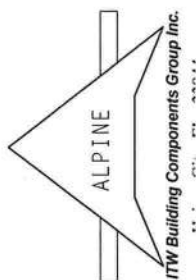
Material specifications:
 R-331 U=71 W=3.5"
 RI=110/-48

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

PLT TYP. Wave

3.07 20:12:11 QTY: 2 FL / - / 4 / - / - / R / -
Scale = 5" / Ft.

WARNING TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATION, SHIPPING, INSTALLATION AND BRACING. (SEE INSTRUCTIONS) PULLING COMPANY SAFETY INFORMATION: PUBLISHED BY TITUS PLATE INSTITUTE, 6500 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND MTCA, 6000 BOISS, COUNCIL OF AMERICA, 6500 ENTERPRISE LANE, WOODSIDE, NJ, 07079. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, NO CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

[illegible]

TC LL	20.0	PSF	REF R8228- 42063
TC DL	10.0	PSF	DATE 05/05/09
BC DL	10.0	PSF	DRW HCUSR8228 09125050
BC LL	0.0	PSF	HC-ENG TCE/DLJ
TOT.LD.	40.0	PSF	SEQN- 59373
DUR.FAC.	1.25		

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

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CL05ED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi (+/-) -0.18

Roof overhang supports 2.00 psf soffit load.

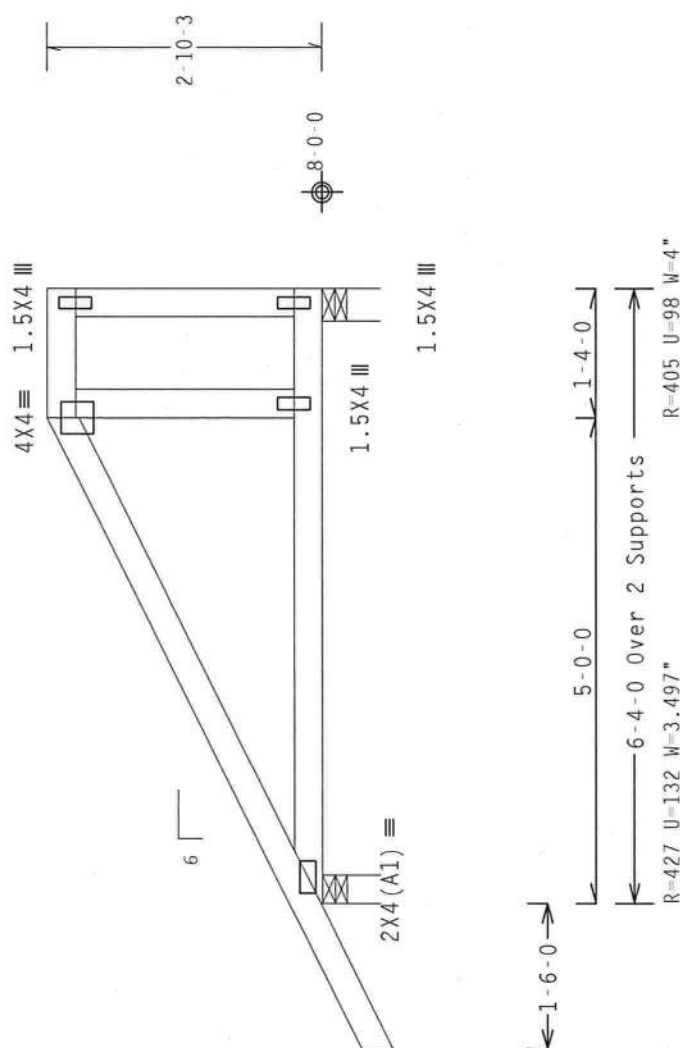
Wind reactions based on MWFRS pressures.

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

Right end vertical not exposed to wind pressure.

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

#1 hip supports 5-0-0 jacks with no webs.



Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

PLT TYP. Wave

8.07.00.

FL/-/4/-/-/R/-

Scale = .5"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCSC (BUILDING COMPRESSIVE SAFETY INFORMATION), PUBLISHED BY THE STEEL INSTITUTE, 218 MORRIS LEE LANE, SUITE 312, ALEXANDRIA, VA 22314, AND AISC (AISC TRUSS COUNCIL OF AMERICA, 6300 LEE HIGHWAY EAST, 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.

TC LL	20.0 PSF	REF R8228- 42064
TC DL	10.0 PSF	DATE 05/05/09
BC DL	10.0 PSF	DRW HCUR8228 09125051
BC LL	0.0 PSF	HC-ENG TCE/DLJ
TOT.LD.	40.0 PSF	SEQN- 59376
DUR.FAC.	1.25	

A circular professional seal for James F. Collins, Jr., a Professional Engineer in the State of Florida. The seal contains the text "JAMES F. COLLINS, JR." at the top, "PROFESSIONAL ENGINEER" at the bottom, "STATE OF FLORIDA" in the center, and "LICENSE NO. 52212" on the left. There are three stars around the central text. The seal is stamped over a document with a date stamp "APR 11 1994" and a signature "James F. Collins, Jr." and "James F. Collins, Jr." written below it.

*** IMPORTANT *** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, THE IRGC, INC. SHALL NOT BE RESPONSIBLE FOR THE DESIGN OF ANY TRUSS OR BRACING. THE TRUSS IN CONFORMANCE WITH THE DESIGN OF THE FABRICATING, HANDLING, INSTALLING & BRACING SPECIALIST.

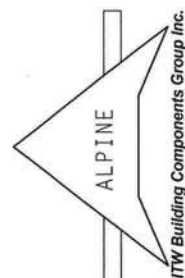
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC NATIONAL DESIGN SPEC. BY AISC AND TPI.

CONNECTOR PLATES ARE MADE OF 20/10/16GA 40-10/55/53 ASTM A563 GRADE 40/60 (W, K, H, S) GALV. STEEL. ALL PLATES TO EACH FACE OF TRUSS AND

ALL PLATES TO EACH FACE OF TRUSS AND

PER INSPECTION OF PLATES FOLLOWED BY THIS DESIGN. POSITION PER DRAWINGS 160A-2.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR TRUSS COMPONENT



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

Roof overhang supports 2.00 psf soffit load.

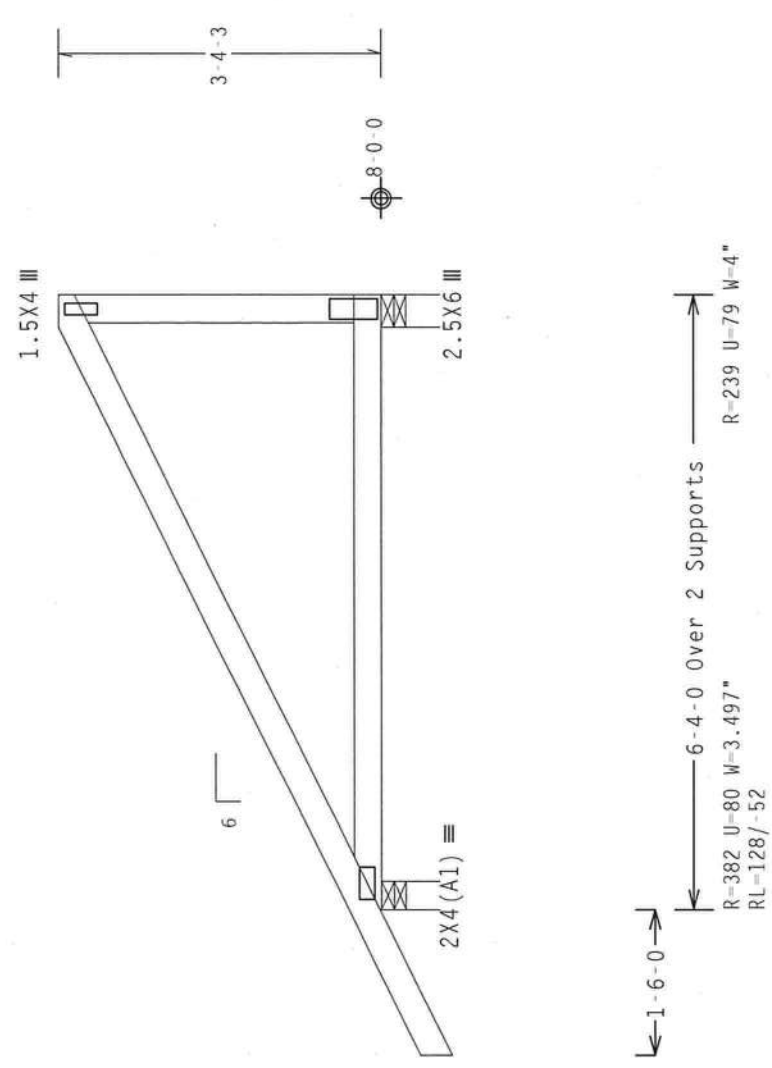
Bottom chord checked for 10.00 psf non-concurrent live load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_Cp_i(+/-)=0.18$

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.



PLT TYP. Wave

ITW Building Components Group Inc.

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

8.07.00.1

QTY: 1

FL/-4/-/-/R/-

Scale = .5"/Ft.

TC LL	20.0 PSF	REF	R8228- 42066
TC DL	10.0 PSF	DATE	05/05/09
BC DL	10.0 PSF	DRW	HCUSR8228 09125053
BC LL	0.0 PSF	HC-ENG	TCE/DLJ
TOT.LD.	40.0 PSF	SEQN	59382
DUR.FAC.	1.25		

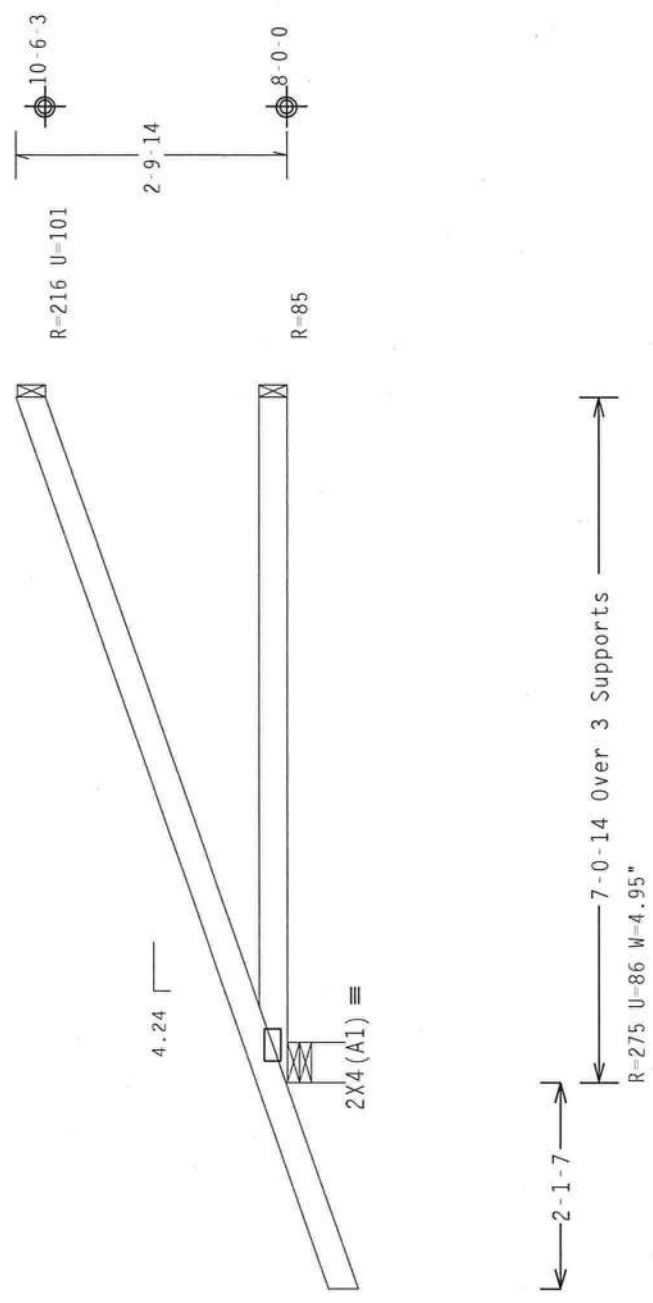
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 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 OF THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCG CORP. CORRECTION PLATES ARE MADE OF 20/100/1000 M/ASS/250 (ASTM A563 GRADE 40/60 (A 570/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ABX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT NOTED ON DRAWING.

(9-099--Fill in later ERKINGER --, ** - HJ5)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Hipjack supports 5-0-0 setback jacks with no webs.
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi(+/-)=0.18
Wind reactions based on MWFRS pressures.



Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

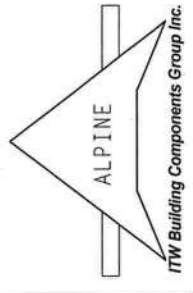
Scale = .5" / Ft.

QTY: 1 FL / - 4 / - / R / -

8.07.00

****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, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND METCA (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. ITW BCG DESIGN CONFORMS WITH ALL APPLICABLE PROVISIONS OF DESIGNATION 40760 (BY A500) AND TPI. ITW BCG SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE DESIGN OF THE TRUSS SHALL BE THE RESPONSIBILITY OF THE TRUSS MANUFACTURER. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ABX 3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT MANUFACTURED BY ITW BUILDING COMPONENTS GROUP INC.



TC LL	20.0 PSF	REF	R8228- 42067
TC DL	10.0 PSF	DATE	05/05/09
BC DL	10.0 PSF	DRW	HCUSR8228 09125054
BC LL	0.0 PSF	HC-ENG	TCE/DLJ
TOT.LD.	40.0 PSF	SEQN-	59385
DUR.FAC.	1.25		



CLB WEB BRACE SUBSTITUTION

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

NOTES:

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

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

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

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

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

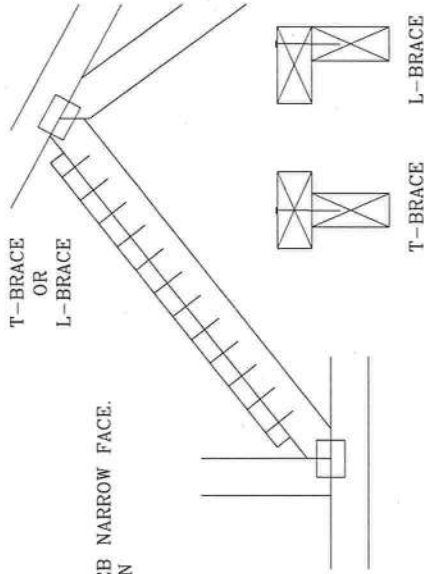
T-BRACING

OR

L-BRACING:

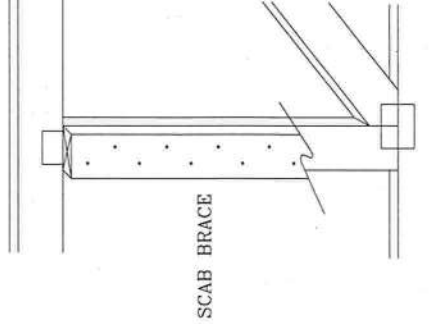
APPLY TO EITHER SIDE OF WEB NARROW FACE. ATTACH WITH 10d BOX OR GUN (0.128" x 3" MIN) NAILS. AT 6" O.C.

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



Earth City, MO 63045

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TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	1/1/09
BC DL	PSF	DRWG	BRCLBSUB0109
BC LL	PSF		
TOT. LD.	PSF		
DUR. FAC.			
SPACING			



GABLE STUD REINFORCEMENT DETAIL

ASCE 7-05: 110 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C, Kzt = 1.00

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

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

DOUGLAS FIR-LARCH

#3	STUD
STANDARD	STANDARD

GROUP B:

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

SOUTHERN PINE

#1	#2
----	----

GABLE TRUSS DETAIL NOTES:

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

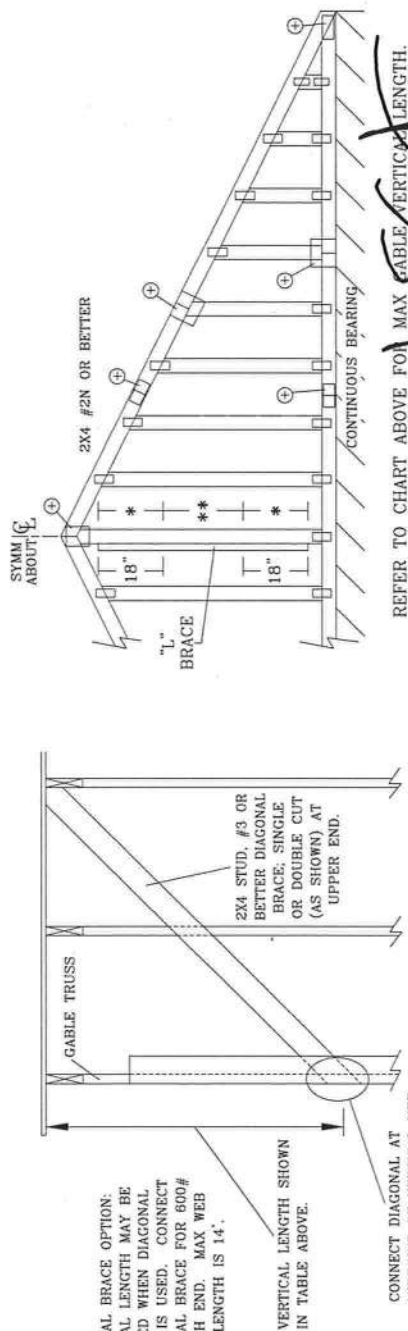
ATTACH EACH "L" BRACE WITH 10d NAILS.

* 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	1X4 OR 2X3	2.5X4
LESS THAN 4' 0"			
GREATER THAN 4' 0", BUT LESS THAN 11' 6"			
GREATER THAN 11' 6"			3X4

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



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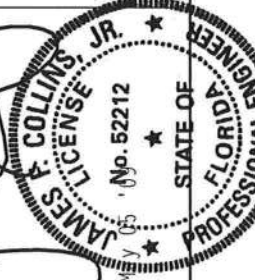


Building Components Group Inc.

Earth City, MO 63045

REF	ASCE7-05-CAB1015
DATE	1/1/09
DRWG	A11015050109

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



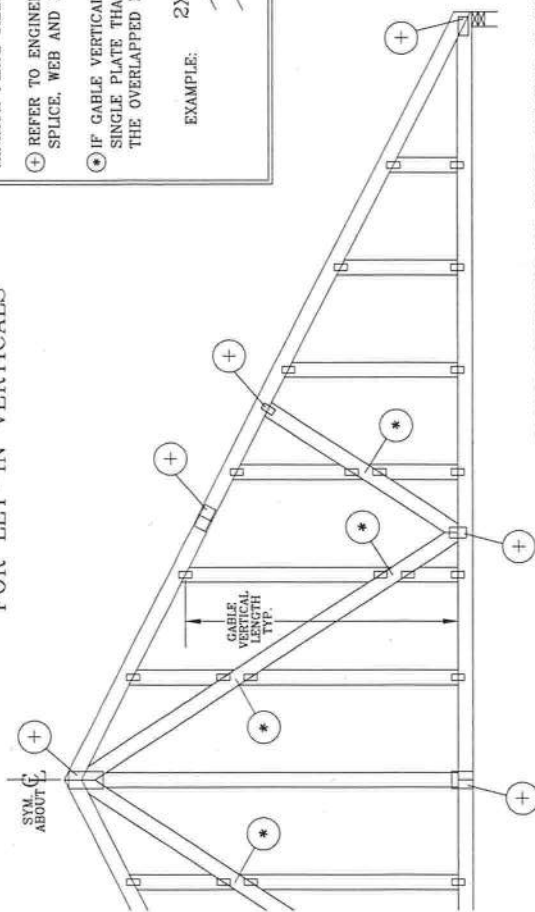
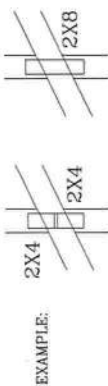
GABLE DETAIL FOR LET-IN VERTICALS

GABLE TRUSS PLATE SIZES

REFER TO APPROPRIATE ITW GABLE DETAIL FOR MINIMUM PLATE SIZES FOR VERTICAL STUDS.

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

⊙ IF GABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE THAT COVERS THE TOTAL AREA OF THE OVERLAPPED PLATES TO SPAN THE WEB.



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH

END DRIVEN NAILS:

- 10d COMMON (0.148"x 3.3" MIN) NAILS AT 4" O.C. PLUS
- (4) NAILS IN TOP AND BOTTOM CHORD.

TOENAIL NAILS:

- 10d COMMON (0.148"x 3.3" MIN) TOENAILS AT 4" O.C. PLUS
- (4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ITW GABLE DETAIL FOR ASCE WIND LOAD.

ASCE 7-98 GABLE DETAIL DRAWINGS

A13015980109, A12015980109, A11015980109, A10015980109, A13030980109, A12030980109, A11030980109, A10030980109

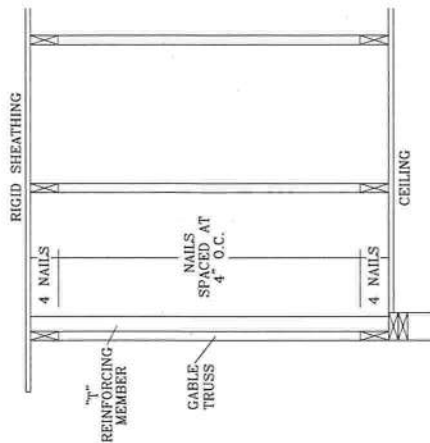
ASCE 7-02 GABLE DETAIL DRAWINGS

A13015020109, A12015020109, A11015020109, A10015020109, A13030020109, A12030020109, A11030020109, A10030020109

ASCE 7-05 GABLE DETAIL DRAWINGS

A13015050109, A12015050109, A11015050109, A10015050109, A13030050109, A12030050109, A11030050109, A10030050109

SEE APPROPRIATE ITW GABLE DETAIL FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.



"T" REINFORCEMENT ATTACHMENT DETAIL

"T" REINFORCING MEMBER



TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" INCREASE BY LENGTH (BASED ON APPROPRIATE ITW GABLE DETAIL).

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	INCREASE
140 MPH	2x4	10 %
15 FT	2x6	50 %
140 MPH	2x4	10 %
30 FT	2x6	50 %
130 MPH	2x4	10 %
15 FT	2x6	50 %
130 MPH	2x4	10 %
30 FT	2x6	50 %
120 MPH	2x4	10 %
15 FT	2x6	50 %
120 MPH	2x4	10 %
30 FT	2x6	40 %
110 MPH	2x4	10 %
15 FT	2x6	40 %
110 MPH	2x4	10 %
30 FT	2x6	50 %
100 MPH	2x4	20 %
15 FT	2x6	30 %
100 MPH	2x4	10 %
30 FT	2x6	40 %
90 MPH	2x4	20 %
15 FT	2x6	20 %
90 MPH	2x4	20 %
30 FT	2x6	30 %

EXAMPLE:

ASCE WIND SPEED = 100 MPH

MEAN ROOF HEIGHT = 30 FT, Kzt = 1.00

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"

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Building Components Group Inc.

Earth City, MO 63045

REF LET-IN VERT

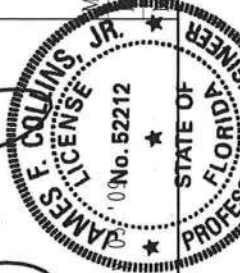
DATE 1/1/09

DRWG GBLLETIN0109

MAX TOT. LD. 60 PSF

UR. FAC. ANY

MAX SPACING 24.0"



Notice of Treatment

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

Address: 536 SE BAY AVE

City: Lake City **Phone:** 732-1703

Site Location: Subdivision _____

Lot # _____ **Block#** _____ **Permit #** 27811

Address: 8877 N US Hwy 441

Product used

Active Ingredient

% Concentration

☒ Premise Imidacloprid 0.1%

☐ Termidor Fipronil 0.12%

☐ Bora-Care Disodium Octaborate Tetrahydrate 23.0%

Type treatment:

☒ Soil

☐ Wood

Area Treated

Square feet

Linear feet

Gallons Applied

DWL (MAIN BODY)

1780

193

90

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

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

5/28/09
Date

0745
Time

JAMES D. PARKER
Print Technician's Name

Remarks: FRONT/BACK PORCHES TO BE DONE AT LATER DATE

Applicator - White

Permit File - Canary

Permit Holder - Pink

**COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST
FOR THE FLORIDA RESIDENTIAL BUILDING CODE 2004 with 2005 & 2006
Supplements and One (1) and Two (2) Family Dwellings**

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE with the Current FLORIDA BUILDING CODES and the Current FLORIDA RESIDENTIAL CODE. ALL PLANS OR DRAWING SHALL PROVIDED CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE- AND-TWO FAMILY DWELLINGS.

FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER FIGURE R301.2(4) of the Residential Code (Florida Wind speed map) SHALL BE USED.

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

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

GENERAL REQUIREMENTS:

- Two (2) complete sets of plans containing the following:
- All drawings must be clear, concise and drawn to scale, details that are not used shall be marked void
- Condition space (Sq. Ft.) and total (Sq. Ft.) under roof shall be shown on the plans.
- Designers name and signature shall be on all documents and a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents per FBC 106.1.

Site Plan information including:

- Dimensions of lot or parcel of land
- Dimensions of all building set backs
- Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements.
- Provide a full legal description of property.

Wind-load Engineering Summary, calculations and any details required:

- Plans or specifications must meet state compliance with FRC Chapter 3
- The following information must be shown as per section FRC
- Basic wind speed (3-second gust), miles per hour
- Wind importance factor and nature of occupancy
- Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated
- The applicable internal pressure coefficient, Components and Cladding The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not speciffally designed by the registered design professional.

Elevations Drawing including:

- All side views of the structure
- Roof pitch
- Overhang dimensions and detail with attic ventilation
- Location, size and height above roof of chimneys
- Location and size of skylights with Florida Product Approval
- Number of stories
- e) Building height from the established grade to the roofs highest peak

Floor Plan including:

- Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies and raised floor surfaces located more than 30 inches above the floor or grade
- All exterior and interior shear walls indicated
- Shear wall opening shown (Windows, Doors and Garage doors)
- Emergency escape and rescue opening in each bedroom (net clear opening shown)
- Safety glazing of glass where needed
- Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 of FRC)
- Stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails (see FRC 311)
- Plans must show and identify accessibility of bathroom (see FRC 322)

All materials placed within opening or onto/into exterior shear walls, soffits or roofs shall have Florida product approval number and mfg. installation information submitted with the plans (see Florida product approval form)

Foundation Plans Per FRC 403:

- a) Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.
- b) All posts and/or column footing including size and reinforcing
- c) Any special support required by soil analysis such as piling.
- d) Assumed load-bearing value of soil _____ (psf)
- e) Location of horizontal and vertical steel, for foundation or walls (include # size and type)

CONCRETE SLAB ON GRADE Per FRC R506

- Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
- Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports

PROTECTION AGAINST TERMITES Per FRC 320:

- Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or submit other approved termite protection methods. Protection shall be provided by registered termiticides

Masonry Walls and Stem walls (load bearing & shear Walls) FRC Section R606

- Show all materials making up walls, wall height, and Block size, mortar type
- Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement

Metal frame shear wall and roof systems shall be designed, signed and sealed by Florida Prof. Engineer or Architect

Floor Framing System: First and/or second story

- Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer
- Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or piers
- Girder type, size and spacing to load bearing walls, stem wall and/or piers
- Attachment of joist to girder
- Wind load requirements where applicable
- Show required under-floor crawl space
- Show required amount of ventilation opening for under-floor spaces
- Show required covering of ventilation opening.
- Show the required access opening to access to under-floor spaces
- Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & intermediate of the areas structural panel sheathing
- Show Draft stopping, Fire caulking and Fire blocking
- Show fireproofing requirements for garages attached to living spaces, per FRC section R309
- Provide live and dead load rating of floor framing systems (psf).

WOOD WALL FRAMING CONSTRUCTION FRC CHAPTER 6

- Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls.
- Fastener schedule for structural members per table R602.3 (1) are to be shown.
- Show wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing
- Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems.
- Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FRC Table R502.5 (1)
- Indicate where pressure treated wood will be placed.
- Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas
- A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail

ROOF SYSTEMS:

- Truss design drawing shall meet section FRC R802.10 Wood trusses. Include a layout and truss details and be signed and sealed by Fl. Pro. Eng.
- Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters
- Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details
- Provide dead load rating of trusses

Conventional Roof Framing Layout Per FRC 802:

- Rafter and ridge beams sizes, span, species and spacing
- Connectors to wall assemblies' include assemblies' resistance to uplift rating.
- Valley framing and support details
- Provide dead load rating of rafter system.

ROOF SHEATHING FRC Table R602,3(2) FRC 803

- Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing on the edges & intermediate areas

ROOF ASSEMBLIES FRC Chapter 9

- Include all materials which will make up the roof assemblies covering; with Florida Product Approval numbers for each component of the roof assemblies covering.

FCB Chapter 13 Florida Energy Efficiency Code for Building Construction

- Residential construction shall comply with this code by using the following compliance methods in the FBC Subchapter 13-6, Residential buildings compliance methods. Two of the required forms are to be submitted, showing dimensions condition area equal to the total condition living space area
- Show the insulation R value for the following areas of the structure: Attic space, Exterior wall cavity and Crawl space (if applicable)

HVAC information shown

- Manual J sizing equipment or equivalent computation
- Exhaust fans locations in bathrooms

Plumbing Fixture layout shown

- All fixtures waste water lines shall be shown on the foundation plan

Electrical layout shown including:

- Switches, outlets/receptacles, lighting and all required GFCI outlets identified
- Ceiling fans
- Smoke detectors
- Service panel, sub-panel, location(s) and total ampere ratings

- 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. Indicate if the utility company service entrance cable will be of the overhead or underground type.
- Appliances and HVAC equipment and disconnects
- Arc Fault Circuits (AFCI) in bedrooms
- Notarized Disclosure Statement for Owner Builders
- Notice of Commencement Recorded (in the Columbia County Clerk Office) Notice Of Commencement is required to be filed with the building department Before Any Inspections Will Be Done.

Private Potable Water

- Size of pump motor
- Size of pressure tank
- Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

- Building Permit Application: A current Building Permit Application form is to be completed and submitted for all residential projects.
- Parcel Number: The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.
- Environmental Health Permit or Sewer Tap Approval: A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 (Toilet facilities shall be provided for construction workers)
- City Approval: If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. (386) 497-2321
- Flood Information: All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED. A development permit will also be required. The permit cost is \$50.00.
- Driveway Connection: If the property does not have an existing access to a public road, then an application for a culvert permit (\$25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.
- 911 Address: If the project is located in an area where the 911 address has been issued, then the proper Paper work from the 911 Addressing Departments must be submitted. (386) 758-1125

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. NOTIFICATION WILL BE GIVEN WHEN THE APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT.

PRODUCT APPROVAL SPECIFICATION SHEET

Location: 8877 N US HWY 441

Project Name: Christie, Kimberly

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging	MASONITE		FL5114-R1
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic	CHI	16FT AUTO DOOR	FL5519
6. Other			
B. WINDOWS			
1. Single hung			
2. Horizontal Slider			
3. Casement			
4. Double Hung	MI	740 SERIES	FL8114
5. Fixed			
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11. Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles	GAF/ELK	Arch. 30 yr	FL183-R1
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

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

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

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

Brandi N. Hebb

Contractor or Contractor's Authorized Agent Signature

Location

02/02/04 – 2 of 2

Website:

Brandi N. Hebb

Print Name

5/5/09

Date

Permit # (FOR STAFF USE ONLY)

Effective April 1, 2004