

8/22/09 000027993

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

PERMIT

This Permit Must Be Prominently Posted on Premises During Construction

000027993

APPLICANT	BRANDI HEBB		PHONE	754-5555	
ADDRESS	248	SE NASSAU ST	LAKE CITY	FL	32055
OWNER	RANDELL & MARSHA BURNHAM		PHONE	623-1040	
ADDRESS	347	NW BRIDGEWATER TERR	LAKE CITY	FL	32055
CONTRACTOR	MATTHEW ERKINGER		PHONE	754-5555	
LOCATION OF PROPERTY	LAKE JEFFREY RD, TR BRIDGEWATER TERR., 7TH LOT ON RIGHT				

TYPE DEVELOPMENT		<u>SFD, UTILITY</u>		ESTIMATED COST OF CONSTRUCTION			<u>162350.00</u>	
HEATED FLOOR AREA		<u>2300.00</u>		TOTAL AREA		<u>3247.00</u>	HEIGHT	STORIES <u>1</u>
FOUNDATION	<u>CONC</u>	WALLS	<u>FRAMED</u>	ROOF PITCH	<u>7/12</u>	FLOOR	<u>SLAB</u>	
LAND USE & ZONING		<u>RSF-2</u>				MAX. HEIGHT		
Minimum Set Back Requirments:		STREET-FRONT		<u>25.00</u>	REAR	<u>15.00</u>	SIDE	<u>10.00</u>
NO. EX.D.U.	<u>0</u>	FLOOD ZONE	<u>X</u>	DEVELOPMENT PERMIT NO.				

PARCEL ID	24-3S-16-02275-107		SUBDIVISION	COBBLESTONE	
LOT 7	BLOCK	PHASE	UNIT	TOTAL ACRES	4.48

000001748		RR0067135		
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
CULVERT	09-403	BK	RJ	Y
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash 16977

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$	<u>815.00</u>	CERTIFICATION FEE \$	<u>16.23</u>	SURCHARGE FEE \$	<u>16.23</u>
MISC. FEES \$	<u>0.00</u>	ZONING CERT. FEE \$	<u>50.00</u>	FIRE FEE \$	<u>0.00</u>
FLOOD DEVELOPMENT FEE \$	<u>/</u>	FLOOD ZONE FEE \$	<u>25.00</u>	CULVERT FEE \$	<u>25.00</u>
TOTAL FEE					947.46

INSPECTORS OFFICE *Kale Edler* 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.

Notice of Treatment

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

Address: 536 S.W. BAY AVE

City: LAKELAND

Phone: 386 752-1703

Site Location: Subdivision _____

Lot # 7 **Block#** _____

Permit# 27993

Address 347 NW Bridge Walk Ter L.C.

Product used

Active Ingredient

% Concentration

☐ Premise

Imidacloprid

0.1%

☒ Termidor

Fipronil

0.12% 062

☐ Bora-Care

Disodium Octaborate Tetrahydrate

23.0%

Type treatment:

☒ Soil

☐ Wood

Area Treated

Square feet

Linear feet

Gallons Applied

Dwelling

3247

349.4

260.67

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 _____.

8/28/09

Date

7:40

Time

F299

Print Technician's Name

Remarks: _____

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05

©



Columbia County Building Permits Application

Application # _____

Property ID Number <u>24-35-16-02275-107</u>		Septic Permit No. _____	
Subdivision Name <u>Cobblestone</u>		Lot <u>7</u>	Block _____ Unit <u>1</u> Phase _____
Construction of <u>Single Family Home</u>		Cost of Construction <u>\$200,000.</u>	
Mobile Home Permit - New or Used (Circle One)		Year _____	Length _____ Width _____
Name of the Authorized Person Signing the Permit <u>Brandi Hebb</u>			
Phone <u>386.754.5555</u>		Fax <u>386.719.9899</u>	
Address <u>248 SE Nassau Street Lake City FL 32025</u>			
Owners Name <u>Randell E Marsha Burnham</u>		Phone <u>386.623.1040</u>	
911 Address <u>347 NW Bridgewater Terr Lake City FL 32055</u>			
Relationship to Property Owner <u>CUSTOMER</u>		Is this Home Replacing an Existing Home <u>NO</u>	
Contractors Name <u>Matthew A Erkinger, SR.</u>		Phone <u>386.754.5555</u>	
Company Name <u>Erkinger Home Builders, Inc.</u>		Fax <u>386.719.9899</u>	
Address <u>248 SE Nassau St Lake City FL 32025</u>			
Fee Simple Owner Name & Address <u>N/A</u>			
Bonding Co. Name & Address <u>N/A</u>			
Architect/Engineer Name & Address <u>Mark Disosway PO Box 868 Lake City FL 32056</u>			
Mortgage Lenders Name & Address <u>First Federal US Hwy 90 Lake City FL</u>			
Driving Directions to the Property <u>Take Lake Jeffrey Road to NW Bridgewater Terrace. Turn Right. Job site is on Right (1st lot) after 2nd Home.</u>			
Lot Size <u>4.48 AC</u>		Total Acreage <u>4.48</u>	Building across lot numbers <u>N/A</u>
Actual Distance of Structure from Property Lines - Front/Road <u>30'</u> Left Side <u>100'</u> Right Side <u>100'</u> Rear <u>650'</u>			
Number of Stories <u>1</u>		Heated Floor Area <u>2300</u>	Total Floor Area <u>3247</u> Roof Pitch <u>7/12</u>
Circle the correct power company - <u>FL Power & Light</u> - Clay Elec. - Suwannee Valley Elec. Progress Energy - Slash Pine Electric			
Do you currently have an: <u>Existing Drive</u> or <u>Private Drive</u> or need a <u>Culvert Permit</u> or <u>Culvert Waiver</u> (Currently using) (Blue Road Sign) (Putting in a Culvert) (No Culvert but do not need a Culvert)			

"JW called & spoke w Brandi" 8.4.09



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.

Randall S. Gammeter *Monika M. Bule*
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.

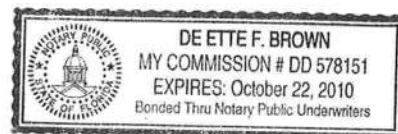
Matthew J. Edwards, Pres.
Contractor's Signature (Permittee)

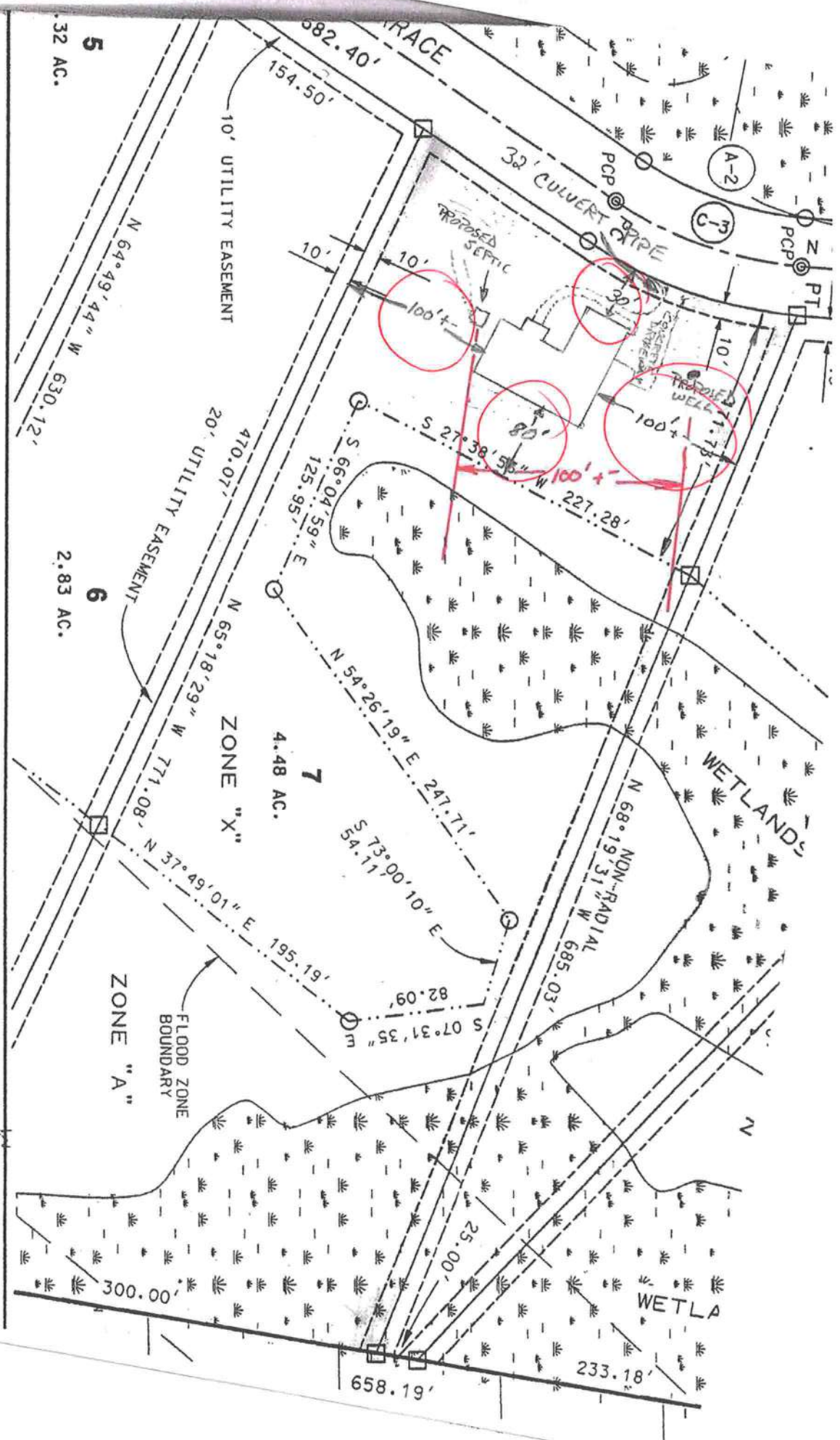
Contractor's License Number PR0067135
Columbia County
Competency Card Number 000154

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 22nd day of July 2009.
Personally known X or Produced Identification _____

De Ette F. Brown
State of Florida Notary Signature (For the Contractor)

SEAL:





P. E. Egan
PRES
T 7 COBBLESTONE

THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

Inst:200912012322 Date:7/23/2009 Time:4:50 PM
Doc Stamp-Deed:385.00
DC, P. DeWitt Cason, Columbia County Page 1 of 2 B:1177 P:2047

RETURN TO:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

File No. 09-111

Property Appraiser's
Parcel Identification No.
24-3S-16-02275-107

WARRANTY DEED

THIS INDENTURE, made this 22nd day of July 2009, BETWEEN ERKINGER HOME BUILDERS, INC., a corporation existing under the laws of the State of Florida, whose post office address is 248 SE Nassau Street, Lake City, Florida 32025, of the County of Columbia, State of Florida, party of the first part, and RANDELL D. BURNHAM and MARSHA M. BURNHAM, husband and wife, whose post office address is 155 NW Orbison Drive, Lake City, Florida 32055, of the County of Columbia, State of Florida, parties of the second part.

WITNESSETH: that the said party of the first part, for and in consideration of the sum of Ten Dollars (\$10.00), to it in hand paid, the receipt whereof is hereby acknowledged, has granted, bargained, sold, aliened, remised, released, conveyed and confirmed, and by these presents doth grant, bargain, sell, alien, remise, release, convey and confirm unto the said parties of the second part, and their heirs and assigns forever, all that certain parcel of land lying and being in the County of Columbia and State of Florida, more particularly described as follows:

Lot 7, COBBLESTONE, UNIT 1, a subdivision according to the plat thereof as recorded in Plat Book 8, Pages 3-6 of the public records of Columbia County, Florida.

SUBJECT TO: Restrictions, easements and outstanding mineral rights of record, if any, and taxes for the current year.

TOGETHER WITH all the tenements, hereditaments and appurtenances, with every privilege, right, title, interest and

And the said party of the first part doth covenant with said parties of the second part that it is lawfully seized of said premises; that they are free of all encumbrances, and that it has good right and lawful authority to sell the same; and the said party of the first part does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

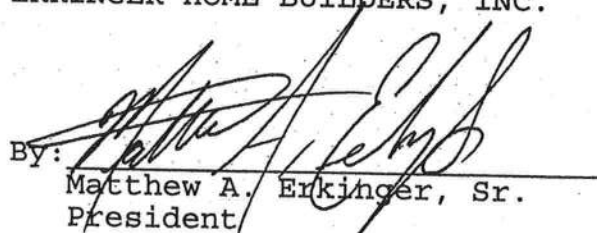
IN WITNESS WHEREOF, the party of the first part has caused these presents to be signed in its name by its President, the day and year above written.

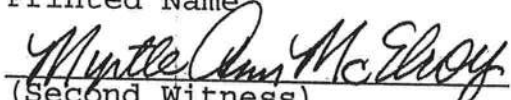
Signed, sealed and delivered
in our presence:

ERKINGER HOME BUILDERS, INC.


(First Witness)

Terry McDavid
Printed Name

By: 
Matthew A. Erkinger, Sr.
President

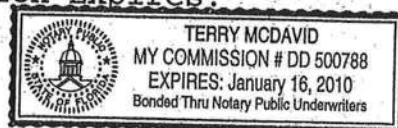

(Second Witness)

Myrtle Ann McElroy
Printed Name

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 22nd day of July 2009, by MATTHEW A. ERKINGER, SR., President of ERKINGER HOME BUILDERS, INC., a Florida corporation, on behalf of said corporation. He is personally known to me and did not take an oath.


Notary Public
My Commission Expires:



TMD
09-111
3)

THIS INSTRUMENT WAS PREPARED BY:
FIRST FEDERAL BANK OF FLORIDA
4705 WEST U.S. HIGHWAY 90
P.O. BOX 2029
LAKE CITY, FLORIDA 32056

Rec. 10.00
Cert. Copy 3.50

PERMIT NO. _____

TAX FOLIO NO. R02275-107

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF COLUMBIA

Inst. 200912012324 Date: 7/23/2009 Time: 4:50 PM
DC, P DeWitt Cason, Columbia County Page 1 of 1 B:1177 P:2058

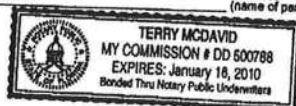
The undersigned hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

1. Description of property: Lot 7, Cobblestone, Unit 1, a subdivision according to the plat thereof as recorded in Plat Book 8, Pages 3-6 of the Public Records of Columbia County, Florida
2. General description of improvement: Construction of Dwelling
3. Owner information:
 - a. Name and address: RANDELL D. BURNHAM and his wife, MARSHA M. BURNHAM, 155 NW Orbison Drive, Lake City, Florida 32055
 - b. Interest in property: Fee Simple
 - c. Name and address of fee simple title holder (if other than Owner): NONE
4. a. Contractor (name and address): ERKINGER HOME BUILDERS, INC., 248 SE Nassau Street, Lake City, Florida 32025
b. Contractor's phone number: 386-754-5555
5. Surety:
 - a. Name and address: None
 - b. Phone Number: _____
 - c. Amount of bond: _____
6. Lender: FIRST FEDERAL BANK OF FLORIDA
4705 WEST U.S. HIGHWAY 90
P.O. BOX 2029
LAKE CITY, FLORIDA 32056
(386) 755-0000
7. Persons within the State of Florida designated by Owner upon whom notices or other document may be served as provided by Section 713.13 (1) (a) 7., Florida Statutes: NONE
8. In addition to himself, Owner designates PAULA HACKER of FIRST FEDERAL BANK OF FLORIDA, 4705 West U.S. Highway 90/P.O. Box 2029, Lake City, Florida 32056 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).

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 I, 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 INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

Randell D. Burnham
Signature of Owner or Owner's Authorized
Officer/Director/Partner/Manager
Randell D. Burnham
Marsha M. Burnham
Marsha M. Burnham

The foregoing instrument was acknowledged before me this 22nd day of July, 2009 by RANDELL D. BURNHAM and his wife, MARSHA M. BURNHAM (type of authority, e.g. officer, trustee, attorney in fact) for: _____ (name of party on behalf of whom instrument was executed).



Terry McDavid
Signature of Notary Public - State of Florida
Print, Type, or Stamp Commission Name of Notary
Public Commission Number: _____
Personally Known _____ or Produced
Identification _____

Verification Pursuant to Section 92.025, Florida Statutes

Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

Randell D. Burnham
Signature of Natural Person Signing Above
Randell D. Burnham
Marsha M. Burnham
Marsha M. Burnham



STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing
is a true copy of the original filed in this office.
P. DeWITT CASON, CLERK OF COURTS

By: Bonnie Don
Deputy Clerk

Date: July 27, 2009

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787
PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_uroft@columbiacountyfla.com

Addressing Maintenance

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

DATE REQUESTED: 7/14/2009 DATE ISSUED: 7/17/2009

ENHANCED 9-1-1 ADDRESS:

347 NW BRIDGEWATER TER

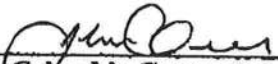
LAKE CITY FL 32055

PROPERTY APPRAISER PARCEL NUMBER:

24-3S-16-02275-107

Remarks:

LOT 7 COBBLESTONE UNIT 1.

Address Issued By: 
Columbia County 9-1-1 Addressing / GIS Department

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

1476

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

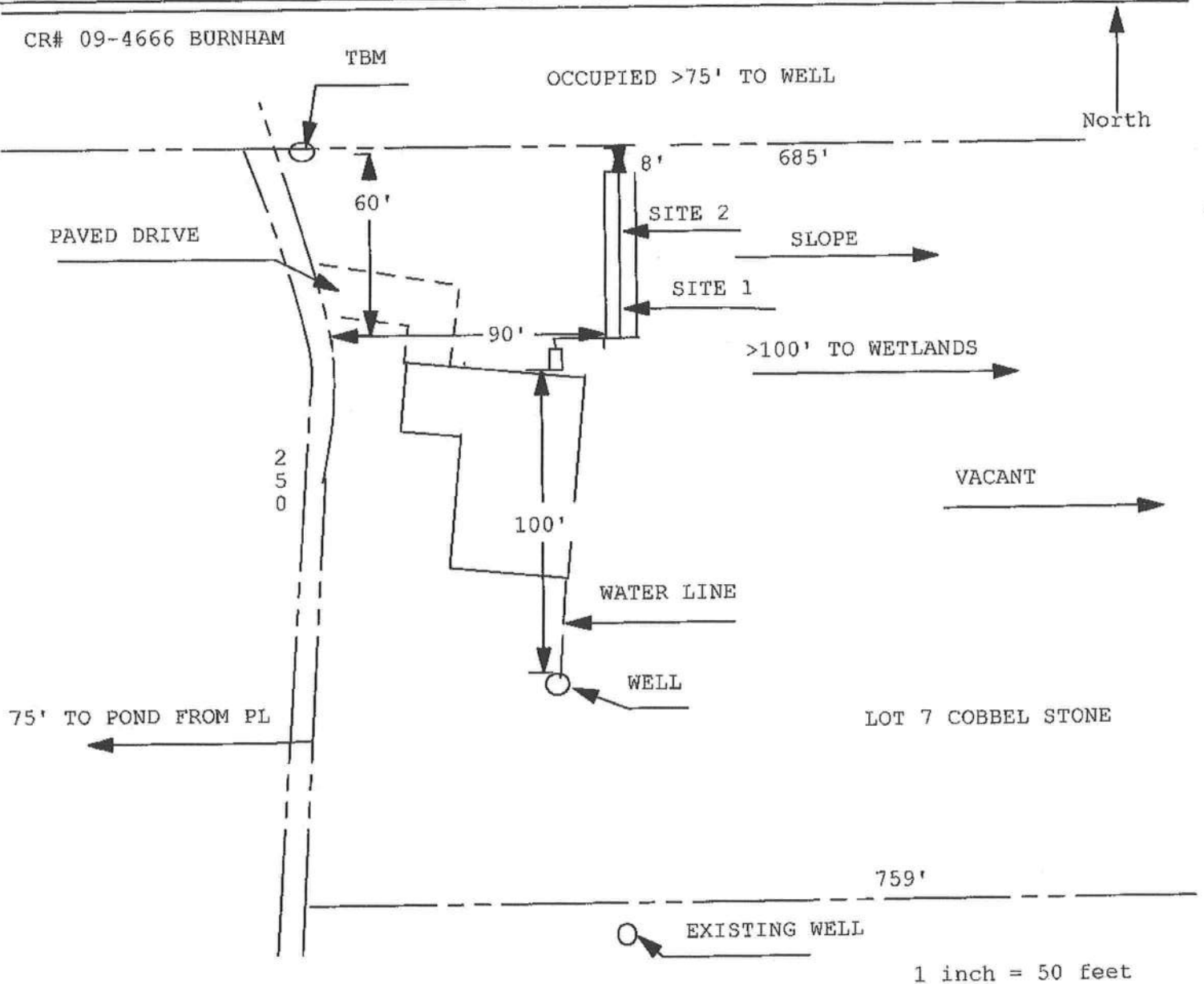
Pressure Relief Valve

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.

Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan
Permit Application Number: 09-0403-N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT



Site Plan Submitted By Paul R. Ford Date 7/22/09
Plan Approved X Not Approved Date

By Salhi Ford EH Director Columbia CPHU

Notes: 7-30-09

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

Project Name: 907101ErkingerHomeBuildersBurnhamRes
 Street:
 City, State, Zip: , FL ,
 Owner: Randall & Marsha Burnham
 Design Location: FL, Gainesville

Builder Name: Erkinger Home Builders
 Permit Office: *Columbia*
 Permit Number: *27993*
 Jurisdiction: *221000*

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)	2300	
7. Windows	Description	Area
a. U-Factor:	Dbl, U=0.32	482.08 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	2300.00 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	1883.50 ft ²
b. Frame - Wood, Adjacent	R=13.0	200.00 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	2340.00 ft ²
b. Knee Wall (Vented)	R=30.0	360.00 ft ²
c. N/A	R=	ft ²
11. Ducts		
a. Sup: Attic Ret: Interior AH: Interior Sup. R= 6, 240 ft ²		
12. Cooling systems		
a. Central Unit	Cap: 42.0 kBtu/hr	
	SEER: 13	
13. Heating systems		
a. Electric Heat Pump	Cap: 42.0 kBtu/hr	
	HSPF: 7.7	
14. Hot water systems		
a. Electric	Cap: 40 gallons	
	EF: 0.93	
b. Conservation features		
None		
15. Credits		None

Glass/Floor Area: 0.210

Total As-Built Modified Loads: 36.41

Total Baseline Loads: 46.46

PASS

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

PREPARED BY:

DATE: *7/20/09 E. BEANSLEY*

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

OWNER/AGENT:

DATE: *7-28-09*

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: 907101ErkingerHomeBuilders	Bedrooms: 3	Adress Type: Lot Information
Building Type: FLAsBuilt	Bathrooms: 0	Lot #: 6
Owner: Randall & Marsha Burnham	Conditioned Area: 2300	SubDivision: Cobblestone
# of Units: 1	Total Stories: 1	PlatBook:
Builder Name: Erkinger Home Builders	Worst Case: Yes	Street:
Permit Office:	Rotate Angle: 315	County: Columbia
Jurisdiction:	Cross Ventilation: No	City, State, Zip: , FL ,
Family Type: Single-family	Whole House Fan: No	
New/Existing: New (From Plans)		
Comment:		

CLIMATE

	Design Location	TMY Site	IECC Zone	Design Temp 97.5 %	2.5 %	Int Design Temp Winter	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	240 ft	0	2300 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	2664 ft²	0 ft²	Dark	0.96	No	0	30.3 deg

ATTIC

	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
✓	1	Partial cathedral cei	Vented	303	2300 ft²	N	N

CEILING

	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
✓	1	Under Attic (Vented)	30	2340 ft²	0.11	Wood
	2	Knee Wall (Vented)	30	360 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	549 ft²	0	0.23	0.75
	2	S	Exterior	Frame - Wood	13	403.33 ft²	0	0.23	0.75
	3	E	Exterior	Frame - Wood	13	401.19 ft²	0	0.23	0.75
	4	W	Exterior	Frame - Wood	13	380 ft²	0	0.23	0.75
	5	NE	Exterior	Frame - Wood	13	100 ft²	0	0.23	0.75
	6	NW	Exterior	Frame - Wood	13	50 ft²	0	0.23	0.75
	7	??	Garage	Frame - Wood	13	200 ft²		0.23	0.01

DOORS

✓	#	Ornt	Door Type	Storms	U-Value	Area
_____	1	NE	Insulated	None	0.4	20 ft²
_____	2	N	Insulated	None	0.4	8 ft²
_____	3	W	Insulated	None	0.4	8 ft²
_____	4	S	Insulated	None	0.4	10 ft²
_____	5	??	Insulated	None	0.4	20 ft²
_____	6	N	Insulated	None	0.4	8 ft²
_____	7	N	Insulated	None	0.4	8 ft²
_____	8	N	Insulated	None	0.4	8 ft²
_____	9	W	Insulated	None	0.4	8 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
										Depth	Separation		
_____	1	N	Metal	Double (Clear)	Yes	0.32	0.3	N	30 ft²	0 ft 18 in	0 ft 36 in	HERS 2006	None
_____	2	NW	Metal	Double (Clear)	Yes	0.32	0.3	N	17.5 ft²	0 ft 1188 in	0 ft 36 in	HERS 2006	None
_____	3	NW	Metal	Double (Clear)	Yes	0.32	0.3	N	4.67 ft²	0 ft 1188 in	0 ft 20 in	HERS 2006	None
_____	4	N	Metal	Double (Clear)	Yes	0.32	0.3	N	17.5 ft²	0 ft 84 in	0 ft 36 in	HERS 2006	None
_____	5	N	Metal	Double (Clear)	Yes	0.32	0.3	N	4.67 ft²	0 ft 84 in	0 ft 20 in	HERS 2006	None
_____	6	NE	Metal	Double (Clear)	Yes	0.32	0.3	N	17.5 ft²	0 ft 144 in	0 ft 36 in	HERS 2006	None
_____	7	NE	Metal	Double (Clear)	Yes	0.32	0.3	N	33.83 ft²	0 ft 144 in	0 ft 36 in	HERS 2006	None
_____	8	N	Metal	Double (Clear)	Yes	0.32	0.3	N	40 ft²	0 ft 126 in	0 ft 36 in	HERS 2006	None
_____	9	N	Metal	Double (Clear)	Yes	0.32	0.3	N	14.22 ft²	0 ft 126 in	0 ft 20 in	HERS 2006	None
_____	10	W	Metal	Double (Clear)	Yes	0.32	0.3	N	20 ft²	0 ft 1188 in	0 ft 36 in	HERS 2006	None
_____	11	N	Metal	Double (Clear)	Yes	0.32	0.3	N	36 ft²	0 ft 18 in	0 ft 36 in	HERS 2006	None
_____	12	N	Metal	Double (Clear)	Yes	0.32	0.3	N	30 ft²	0 ft 18 in	0 ft 60 in	HERS 2006	None
_____	13	N	Metal	Double (Clear)	Yes	0.32	0.3	N	5 ft²	0 ft 18 in	0 ft 48 in	HERS 2006	None
_____	14	E	Metal	Double (Clear)	Yes	0.32	0.3	N	30 ft²	0 ft 18 in	0 ft 12 in	HERS 2006	None
_____	15	E	Metal	Double (Clear)	Yes	0.32	0.3	N	10 ft²	0 ft 18 in	0 ft 12 in	HERS 2006	None
_____	16	S	Metal	Double (Clear)	Yes	0.32	0.3	N	8.75 ft²	0 ft 18 in	3 ft 6 in	HERS 2006	None
_____	17	S	Metal	Double (Clear)	Yes	0.32	0.3	N	30 ft²	0 ft 18 in	0 ft 12 in	HERS 2006	None
_____	18	S	Metal	Double (Clear)	Yes	0.32	0.3	N	10 ft²	0 ft 110 in	0 ft 60 in	HERS 2006	None
_____	19	S	Metal	Double (Clear)	Yes	0.32	0.3	N	17.78 ft²	0 ft 110 in	0 ft 12 in	HERS 2006	None
_____	20	S	Metal	Double (Clear)	Yes	0.32	0.3	N	18.67 ft²	0 ft 110 in	0 ft 12 in	HERS 2006	None
_____	21	S	Metal	Double (Clear)	Yes	0.32	0.3	N	30 ft²	0 ft 0 in	0 ft 0 in	HERS 2006	None
_____	22	S	Metal	Double (Clear)	Yes	0.32	0.3	N	18 ft²	0 ft 0 in	0 ft 0 in	HERS 2006	None
_____	23	W	Metal	Double (Clear)	Yes	0.32	0.3	N	30 ft²	0 ft 18 in	0 ft 12 in	HERS 2006	None
_____	24	W	Metal	Double (Clear)	Yes	0.32	0.3	N	8 ft²	0 ft 18 in	0 ft 12 in	HERS 2006	None

INFILTRATION & VENTING											
✓	Method	SLA	CFM 50	ACH 50	ELA	EqlA	---- Forced Ventilation ---- Supply CFM Exhaust CFM		Run Time Fraction	Fan Watts	
_____	Default	0.00036	2172	5.67	119.2	224.2	0 cfm	0 cfm	0	0	
GARAGE											
✓	#	Floor Area	Ceiling Area	Exposed Wall Perimeter		Avg. Wall Height		Exposed Wall Insulation			
_____	1	579.991 ft²	579.991 ft²	69 ft		8 ft		(invalid)			
COOLING SYSTEM											
✓	#	System Type	Subtype	Efficiency		Capacity	Air Flow	SHR	Ductless		
_____	1	Central Unit	None	SEER: 13		42 kBtu/hr	1260 cfm	0.75			
HEATING SYSTEM											
✓	#	System Type	Subtype	Efficiency		Capacity	Ductless				
_____	1	Electric Heat Pump	None	HSPF: 7.7		42 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											
✓	#	---- Supply ----		---- Return ----		Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
_____	1	Attic	6	240 ft²	Interior	0 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		Hours											
		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
	PM	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
	PM	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
	PM	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
	PM	68	68	68	68	68	68	68	68	68	68	68	68

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS:

, FL,

PERMIT #:

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* = 78

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

, , FL,

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	1883.50 ft ²
3. Number of units, if multiple family	1		b. Frame - Wood, Adjacent	R=13.0	200.00 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)	2300		10. Ceiling Types	Insulation	Area
7. Windows**	Description	Area	a. Under Attic (Vented)	R=30.0	2340.00 ft ²
a. U-Factor:	Dbl, U=0.32	482.08 ft ²	b. Knee Wall (Vented)	R=30.0	360.00 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, 240 ft ²		
c. U-Factor:	N/A	ft ²	12. Cooling systems		
SHGC:			a. Central Unit	Cap: 42.0 kBtu/hr	SEER: 13
d. U-Factor:	N/A	ft ²	13. Heating systems		
SHGC:			a. Electric Heat Pump	Cap: 42.0 kBtu/hr	HSPF: 7.7
e. U-Factor:	N/A	ft ²	14. Hot water systems		
SHGC:			a. Electric	Cap: 40 gallons	EF: 0.93
8. Floor Types	Insulation	Area	b. Conservation features		
a. Slab-On-Grade Edge Insulation	R=0.0	2300.00 ft ²	None		
b. N/A	R=	ft ²	15. Credits		None
c. N/A	R=	ft ²			

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: [Signature] Date: 7/27/09

Address of New Home: 397 NW Bridgewater Ave City/FL Zip: Lake City FL 32055



*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.



Permit 27993

GTC Design Group, LLC
176 NW Lake Jeffery Road
Lake City, FL 32643
(Phone) 386.719.9985
(Fax) 386.719.8828
cwilliams@gtcdesigngroup.com

*Elevation - Confirmation
Letter Required at Slab
OK B2K
26.08.09*

Finish Floor Elevation Letter

Contractor: Erkinger Home Builders, Inc.

Owner: Matthew Erkinger

Parcel Number: 24-3S-16-02275-107

Parcel Description: Lot 7 – Cobblestone

For protection against water damage, the minimum finish floor elevation of the proposed structure shall be 12 inches above the existing ground at any point along the perimeter of the proposed structure. In no case shall the finish floor elevation be below the centerline elevation of the adjacent roadway.

The ground around the proposed structure shall be graded such as to convey all stormwater runoff away from the proposed structure.

The above elevations are based on the structure's proposed location, approximately +/-100 feet east from NW Bridgewater Terrace.

Chad Williams
P.E. License Number: 63144
August 13, 2009

Permit # 21993

Mark Disosway, P.E.

POB 868, Lake City, FL 32056, Ph (386) 754-5419, Fax (386) 269-4871

October 6, 2009

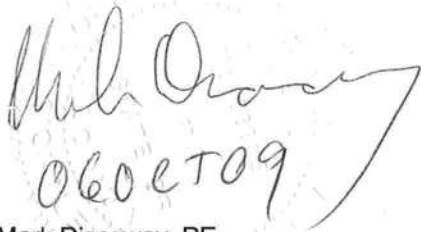
Building Department
Columbia County, Florida

Re: Framing Inspection: Erkinger Builders, Randall & Marsha Burnham, Lot #7, Cobblestone S/D, Columbia County, Florida

Dear Building Inspector:

This letter is in reference to framing inspection issues at the above referenced house.

- The sealed engineering called for a (2) 1.75" x 12" x 16' LVL header with 3 jacks and 3 kings, each end at the garage door opening. Due to clearance height limits the 12" tall header can not be installed.
 - The builder is to use (2) 1.75" x 10 1/2" LVL header with 3 jacks and 3 kings each end and add a single 2x12 SYP#2 header to the inside of the LVL header w/ a 2x6 SYP#2 jack under each end.



Mark Disosway, PE
Florida Registered Professional Engineer

Mark Disosway

Permit # 27993

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:ITVY8228Z0216152629

Truss Fabricator: Anderson Truss Company
Job Identification: 9-152--Erkinger Home Builders Burnham -- , **
Truss Count: 1
Model Code: Florida Building Code 2007 and 2009 Supplement
Truss Criteria: FBC2007Res/TPI-2002(STD)
Engineering Software: Alpine Software, Version 9.02.
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 -Partially Enclosed

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-

Seal Date: 10/16/2009

-Truss Design Engineer-
Doug Fleming
Florida License Number: 66648
1950 Marley Drive
Haines City, FL 33844

#	Ref	Description	Drawing#	Date
1	72491--	A8REPAR	09289002	10/16/09

Repair Charge: \$13.75 per Customer Agreement.
Amount to be invoiced separately.



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

Roof overhang supports 2.00 psf soffit load.

(J) hanger connection not found in inventory file for this condition. Provide connection.

Laterally brace BC at 24" OC in lieu of rigid ceiling. Laterally brace BC above filler at 24" OC.

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

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

This truss is repaired for a broken web as shown.

Repair(s) must comply with Alpine designs & specifications

Shore Truss and any supported spans in proper position as repair is being made.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, PART_7-ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI(+/-)=0.55

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

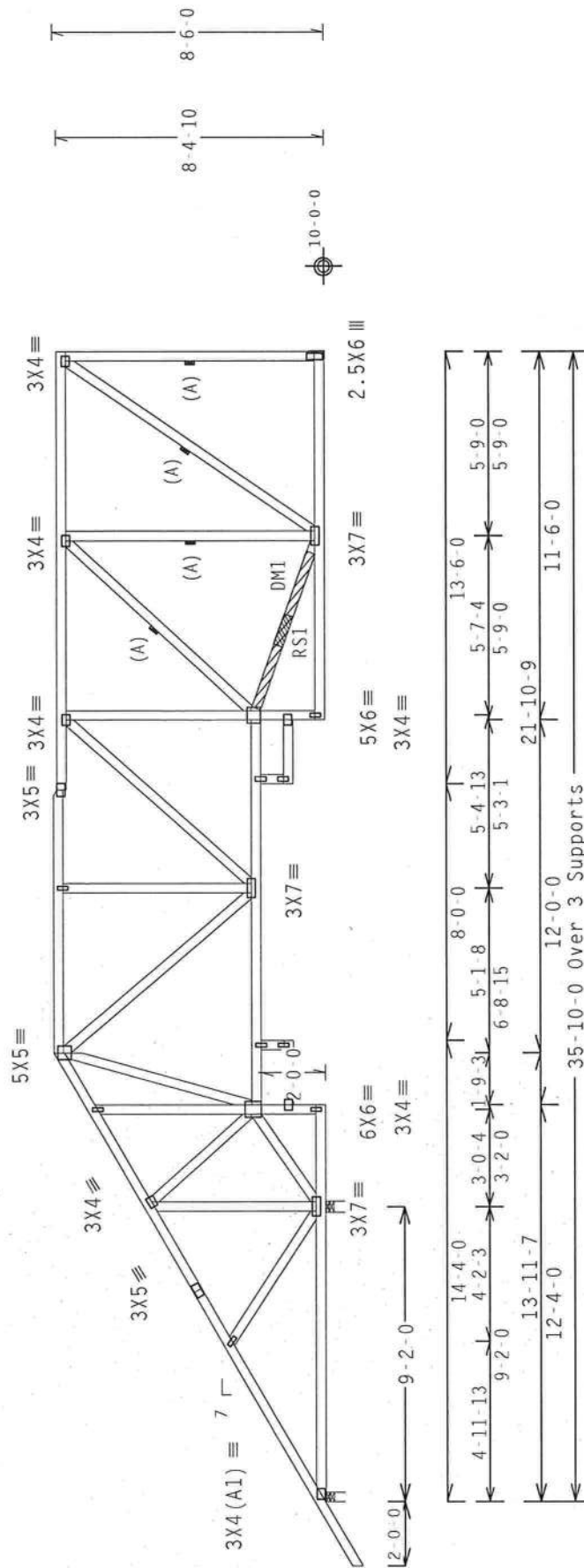
(A) Continuous lateral bracing equally spaced on member.

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

RS1 (DW1) Truss member damaged in the indicated area. Damage length = 1'-0" at 27'-0"-15' from left end. (RS1) 2x4 x 5'-2'-0" SP #3 scabs. Attach scab to each face, centered on damage, with 10d Box or Gun (0.128"x3", min.) nails in 1 row at 5" oc in each row. Stagger nails in rows and offset rows from opposing faces to prevent splits.

MWFRS loads based on trusses located at least 30.00 ft. from roof edge.

NOTE: Laterally brace bottom chord above filler at 2'0" O.C. max. including a lateral brace at chord ends.



R=237 H=18 W=3 48"

R=1872 U=329 W=4"

Note: All Plates Are 1.5X4 Except As Shown

Design Crit: FBC2007Res/TPI-2002(STD)

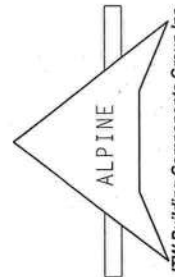
[illegible]

TC LL	20.0	PSF	REF	R8228- 72491
TC DL	10.0	PSF	DATE	10/16/09
BC DL	10.0	PSF	DRW	HCUSR8228 09289002
BC LL	0.0	PSF	HC-ENG	KD/DF
TOT.LD.	40.0	PSF	SEQN-	68774
DUR.FAC.	1.25		FROM	AH
SPACING	24.0"		JREF-	1TVY8228Z02



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. RETURN TO BESTI TRUSSES COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND PHONE (800) 738-6611. (BESTI TRUSSES ARE NOT TO BE CONSIDERED A PROPERLY LAMINATED, MODULOM, OR MODULOM-SHAPED TRUSS. ALL TRUSS PRACTICES FOR SUCH TRUSSES ARE THE RESPONSIBILITY OF THE USER. ALL TRUSSES MUST HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID-JOINTED MEMBERS.)

---IMPORTANT--- FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAILATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING, & BRACING OF TRUSSES. THE BCG DESIGNER CORRESPONDS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., FOR ARIPO) AND TPI. THE BCG TRUSS CONTRACTOR SHALL PROVIDE ALL MATERIALS AND FABRICATION, INCLUDING GALV. STEEL, & APPLY. THE BCG TRUSS CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN, POSITION PER DRAWINGS 160A-2. THE BCG TRUSS CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ARIPO & 3.3 OF TPI-2002 SEC-3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SHIRABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ARIPO & 2.2 OF TPI-2002 SEC-3.



ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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.

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.



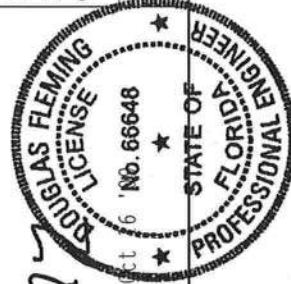
TW
Building Components Group Inc.

Earth City, MO 63045

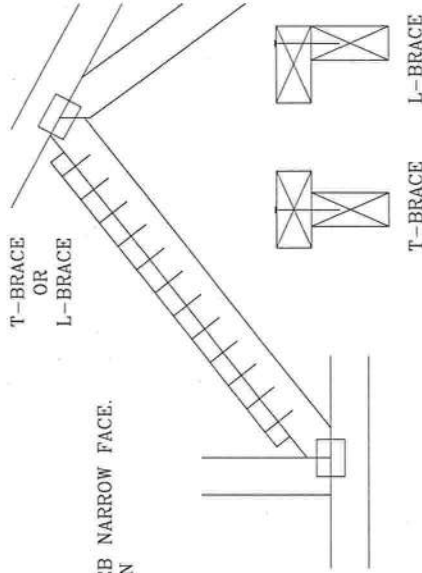
****WARNING:** READ AND FOLLOW ALL NOTES ON THIS SHEET**
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow BCSi Building Component Safety Information, by TPI and WTCa for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSi. Unless noted otherwise, top chord shall have properly attached structural panels and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSi sections E3 and E7. See this job's general notes page for more information.

IMPORTANT FURNISH COPY OF THIS DESIGN TO IMMEDIATE CONTRACTOR**

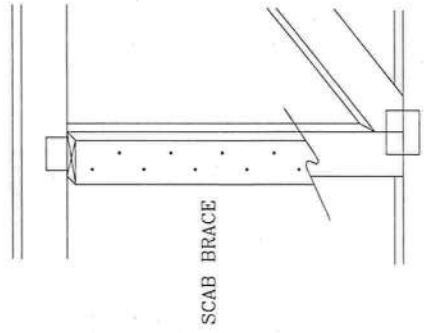
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. Any failure to build the truss in conformance with TPI, or fabricating, handling, installing & bracing of trusses. ITWBCG connector plates are made of 20/18/146GA (W/H/S/K) ASTM A653 grade 37/40/50/60/70/80/90/100/110/120/130/140/150/160/170/180/190/200/210/220/230/240/250/260/270/280/290/300/310/320/330/340/350/360/370/380/390/400/410/420/430/440/450/460/470/480/490/500/510/520/530/540/550/560/570/580/590/600/610/620/630/640/650/660/670/680/690/700/710/720/730/740/750/760/770/780/790/800/810/820/830/840/850/860/870/880/890/900/910/920/930/940/950/960/970/980/990/1000/1010/1020/1030/1040/1050/1060/1070/1080/1090/1100/1110/1120/1130/1140/1150/1160/1170/1180/1190/1200/1210/1220/1230/1240/1250/1260/1270/1280/1290/1300/1310/1320/1330/1340/1350/1360/1370/1380/1390/1400/1410/1420/1430/1440/1450/1460/1470/1480/1490/1500/1510/1520/1530/1540/1550/1560/1570/1580/1590/1600/1610/1620/1630/1640/1650/1660/1670/1680/1690/1700/1710/1720/1730/1740/1750/1760/1770/1780/1790/1800/1810/1820/1830/1840/1850/1860/1870/1880/1890/1900/1910/1920/1930/1940/1950/1960/1970/1980/1990/2000/2010/2020/2030/2040/2050/2060/2070/2080/2090/2100/2110/2120/2130/2140/2150/2160/2170/2180/2190/2200/2210/2220/2230/2240/2250/2260/2270/2280/2290/2300/2310/2320/2330/2340/2350/2360/2370/2380/2390/2400/2410/2420/2430/2440/2450/2460/2470/2480/2490/2500/2510/2520/2530/2540/2550/2560/2570/2580/2590/2600/2610/2620/2630/2640/2650/2660/2670/2680/2690/2700/2710/2720/2730/2740/2750/2760/2770/2780/2790/2800/2810/2820/2830/2840/2850/2860/2870/2880/2890/2900/2910/2920/2930/2940/2950/2960/2970/2980/2990/3000/3010/3020/3030/3040/3050/3060/3070/3080/3090/3100/3110/3120/3130/3140/3150/3160/3170/3180/3190/3200/3210/3220/3230/3240/3250/3260/3270/3280/3290/3300/3310/3320/3330/3340/3350/3360/3370/3380/3390/3400/3410/3420/3430/3440/3450/3460/3470/3480/3490/3500/3510/3520/3530/3540/3550/3560/3570/3580/3590/3600/3610/3620/3630/3640/3650/3660/3670/3680/3690/3700/3710/3720/3730/3740/3750/3760/3770/3780/3790/3800/3810/3820/3830/3840/3850/3860/3870/3880/3890/3900/3910/3920/3930/3940/3950/3960/3970/3980/3990/4000/4010/4020/4030/4040/4050/4060/4070/4080/4090/4100/4110/4120/4130/4140/4150/4160/4170/4180/4190/4200/4210/4220/4230/4240/4250/4260/4270/4280/4290/4300/4310/4320/4330/4340/4350/4360/4370/4380/4390/4400/4410/4420/4430/4440/4450/4460/4470/4480/4490/4500/4510/4520/4530/4540/4550/4560/4570/4580/4590/4600/4610/4620/4630/4640/4650/4660/4670/4680/4690/4700/4710/4720/4730/4740/4750/4760/4770/4780/4790/4800/4810/4820/4830/4840/4850/4860/4870/4880/4890/4900/4910/4920/4930/4940/4950/4960/4970/4980/4990/5000/5010/5020/5030/5040/5050/5060/5070/5080/5090/5100/5110/5120/5130/5140/5150/5160/5170/5180/5190/5200/5210/5220/5230/5240/5250/5260/5270/5280/5290/5300/5310/5320/5330/5340/5350/5360/5370/5380/5390/5400/5410/5420/5430/5440/5450/5460/5470/5480/5490/5500/5510/5520/5530/5540/5550/5560/5570/5580/5590/5600/5610/5620/5630/5640/5650/5660/5670/5680/5690/5700/5710/5720/5730/5740/5750/5760/5770/5780/5790/5800/5810/5820/5830/5840/5850/5860/5870/5880/5890/5900/5910/5920/5930/5940/5950/5960/5970/5980/5990/6000/6010/6020/6030/6040/6050/6060/6070/6080/6090/6100/6110/6120/6130/6140/6150/6160/6170/6180/6190/6200/6210/6220/6230/6240/6250/6260/6270/6280/6290/6300/6310/6320/6330/6340/6350/6360/6370/6380/6390/6400/6410/6420/6430/6440/6450/6460/6470/6480/6490/6500/6510/6520/6530/6540/6550/6560/6570/6580/6590/6600/6610/6620/6630/6640/6650/6660/6670/6680/6690/6700/6710/6720/6730/6740/6750/6760/6770/6780/6790/6800/6810/6820/6830/6840/6850/6860/6870/6880/6890/6900/6910/6920/6930/6940/6950/6960/6970/6980/6990/7000/7010/7020/7030/7040/7050/7060/7070/7080/7090/7100/7110/7120/7130/7140/7150/7160/7170/7180/7190/7200/7210/7220/7230/7240/7250/7260/7270/7280/7290/7300/7310/7320/7330/7340/7350/7360/7370/7380/7390/7400/7410/7420/7430/7440/7450/7460/7470/7480/7490/7500/7510/7520/7530/7540/7550/7560/7570/7580/7590/7600/7610/7620/7630/7640/7650/7660/7670/7680/7690/7700/7710/7720/7730/7740/7750/7760/7770/7780/7790/7800/7810/7820/7830/7840/7850/7860/7870/7880/7890/7900/7910/7920/7930/7940/7950/7960/7970/7980/7990/8000/8010/8020/8030/8040/8050/8060/8070/8080/8090/8100/8110/8120/8130/8140/8150/8160/8170/8180/8190/820



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



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



TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	1/1/09
BC DL	PSF	DRWG	BRCLESUB0109
BC LL	PSF		
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

Permit# 27993

Mark Disosway, P.E.

POB 868, Lake City, FL 32056, Ph (386) 754-5419, Fax (386) 269-4871

October 19, 2009

Building Department
Columbia County, Florida

Re: Framing Inspection: Erkinger Builders, Randall & Marsha Burnham, Lot #7, Cobblestone S/D, Columbia County, Florida

Dear Building Inspector:

This letter is in reference to framing inspection issues at the above referenced house.

- The sealed engineering called for a continuous header over the triple window in the gable wall of the master bedroom. Due to the shape of the window a single header could not be installed.
 - It is ok to use (3) 2x4 SPF#2 king studs between each window. The studs must run continues from the foundation plate to the bottom of the roof system. Strap king studs w/ SP4 @ plate and LSTA or equal to truss at top. Attach sills above and below window as per opening detail.



Mark Disosway, PE
Florida Registered Professional Engineer

Mark Disosway

Columbia County Building Department Culvert Permit

Culvert Permit No.
000001748

DATE 08/06/2009 PARCEL ID # 24-3S-16-02275-107
APPLICANT BRADI HEBB PHONE 754-5555
ADDRESS 248 SE NASSAU ST LAKE CITY FL 32055
OWNER RANDELL & MARSHA BURNHAM PHONE 623-1040
ADDRESS 347 NW BRIDGEWATER TERR LAKE CITY FL 32055
CONTRACTOR MATTHEW ERKINGER PHONE 754-5555
LOCATION OF PROPERTY LAKE JEFFREY, TR ON BRIDGEWATER TERR., 7TH LOT ON RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT COBBLESTONE 7

SIGNATURE *Bradi Hebb*

INSTALLATION REQUIREMENTS



Culvert size will be 18 inches in diameter with a total length of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:

- a) a majority of the current and existing driveway turnouts are paved, or;
- b) the driveway to be served will be paved or formed with concrete.

Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



Other _____

**ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED
DURING THE INSTALATION OF THE CULVERT.**

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160

Amount Paid 25.00



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: ITTE8228Z0416163743

Truss Fabricator: Anderson Truss Company
Job Identification: 9-152--Erkinger Home Builders Burnham -- , **
Truss Count: 60
Model Code: Florida Building Code 2007 and 2009 Supplement
Truss Criteria: FBC2007Res/TPI-2002(STD)
Engineering Software: Alpine Software, Version 9.02.
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: A1101505-GBLLETIN-A140GC020109-A140GS020109-BRCLBSUB-PB120-

Seal Date: 07/16/2009

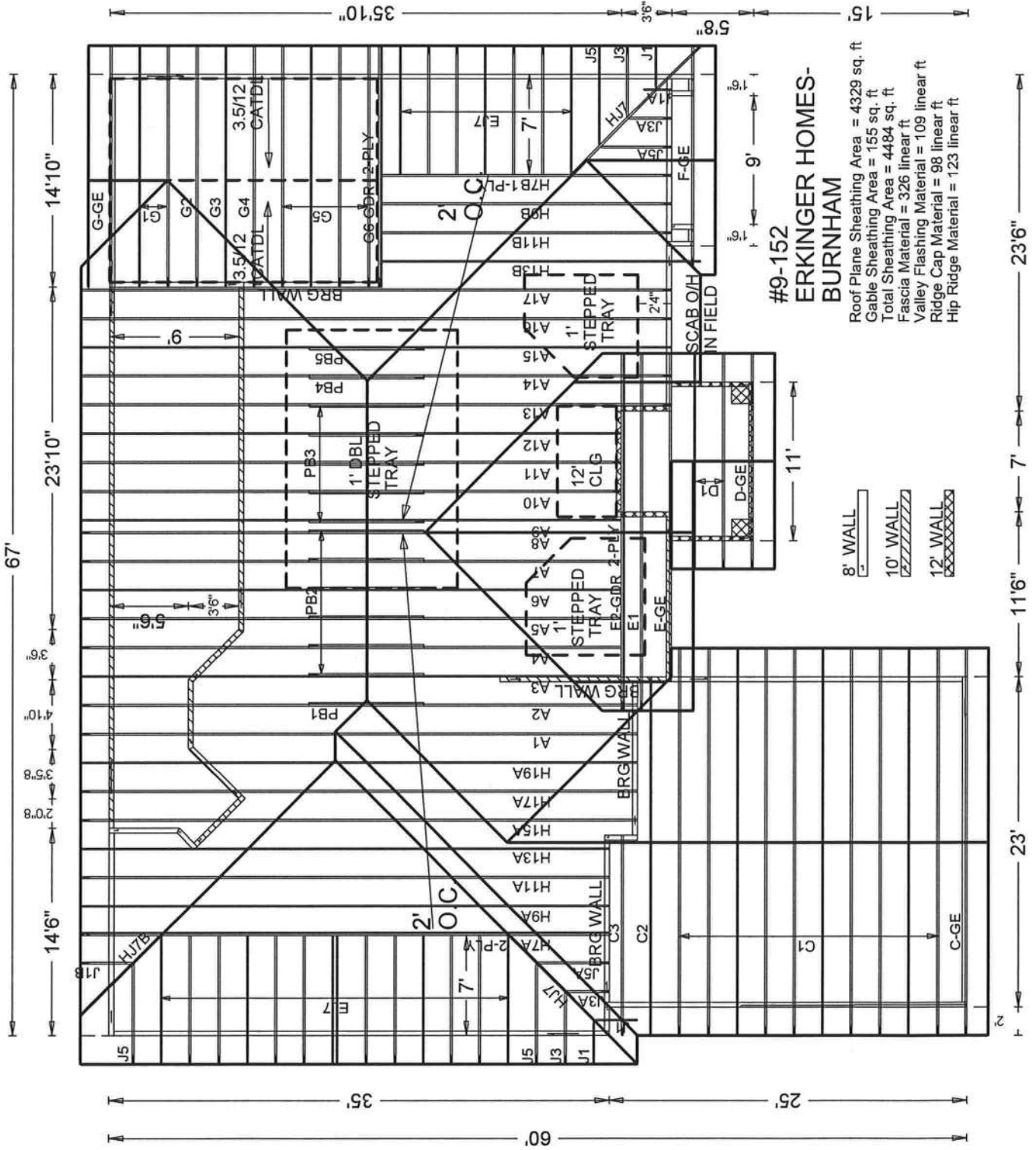
-Truss Design Engineer-
Doug Fleming

Florida License Number: 66648
1950 Marley Drive
Haines City, FL 33844

#	Ref	Description	Drawing#	Date
1	26601--H7A		09197056	07/16/09
2	26602--H9A		09197057	07/16/09
3	26603--H11A		09197058	07/16/09
4	26604--H13A		09197059	07/16/09
5	26605--H15A		09197060	07/16/09
6	26606--H17A		09197061	07/16/09
7	26607--H19A		09197062	07/16/09
8	26608--A1		09197063	07/16/09
9	26609--A2		09197064	07/16/09
10	26610--A3		09197065	07/16/09
11	26611--A4		09197066	07/16/09
12	26612--A5		09197067	07/16/09
13	26613--A6		09197068	07/16/09
14	26614--A7		09197069	07/16/09
15	26615--A8		09197070	07/16/09
16	26616--A9		09197071	07/16/09
17	26617--A10		09197072	07/16/09
18	26618--A11		09197073	07/16/09
19	26619--A12		09197074	07/16/09
20	26620--A13		09197075	07/16/09
21	26621--A14		09197076	07/16/09
22	26622--A15		09197077	07/16/09
23	26623--A16		09197078	07/16/09
24	26624--A17		09197079	07/16/09
25	26625--H7B		09197080	07/16/09
26	26626--H9B		09197118	07/16/09
27	26627--H11B		09197081	07/16/09
28	26628--H13B		09197083	07/16/09
29	26629--C2		09197019	07/16/09
30	26630--C1		09197020	07/16/09
31	26631--C3		09197021	07/16/09
32	26632--C-GE		09197084	07/16/09
33	26633--D1		09197022	07/16/09
34	26634--D-GE		09197085	07/16/09
35	26635--E2-GDR		09197086	07/16/09
36	26636--E1		09197087	07/16/09

#	Ref	Description	Drawing#	Date
37	26637--E-GE		09197088	07/16/09
38	26638--F-GE		09197089	07/16/09
39	26639--G6-GDR		09197090	07/16/09
40	26640--G1		09197052	07/16/09
41	26641--G2		09197091	07/16/09
42	26642--G3		09197092	07/16/09
43	26643--G4		09197093	07/16/09
44	26644--G5		09197053	07/16/09
45	26645--G-GE		09197032	07/16/09
46	26646--J1		09197037	07/16/09
47	26647--HJ7		09197041	07/16/09
48	26648--J3		09197044	07/16/09
49	26649--J5		09197054	07/16/09
50	26650--HJ7B		09197049	07/16/09
51	26651--J1A		09197055	07/16/09
52	26652--J3A		09197119	07/16/09
53	26653--J5A		09197094	07/16/09
54	26654--EJ7		09197096	07/16/09
55	26655--J1B		09197100	07/16/09
56	26656--PB1		09197113	07/16/09
57	26657--PB2		09197114	07/16/09
58	26658--PB3		09197115	07/16/09
59	26659--PB4		09197116	07/16/09
60	26660--PB5		09197117	07/16/09





JOB DESCRIPTION: Erkinger Home Builders
/ Burnham

JOB NO:
9-152

PAGE NO:
1 OF 1

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

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

Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

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

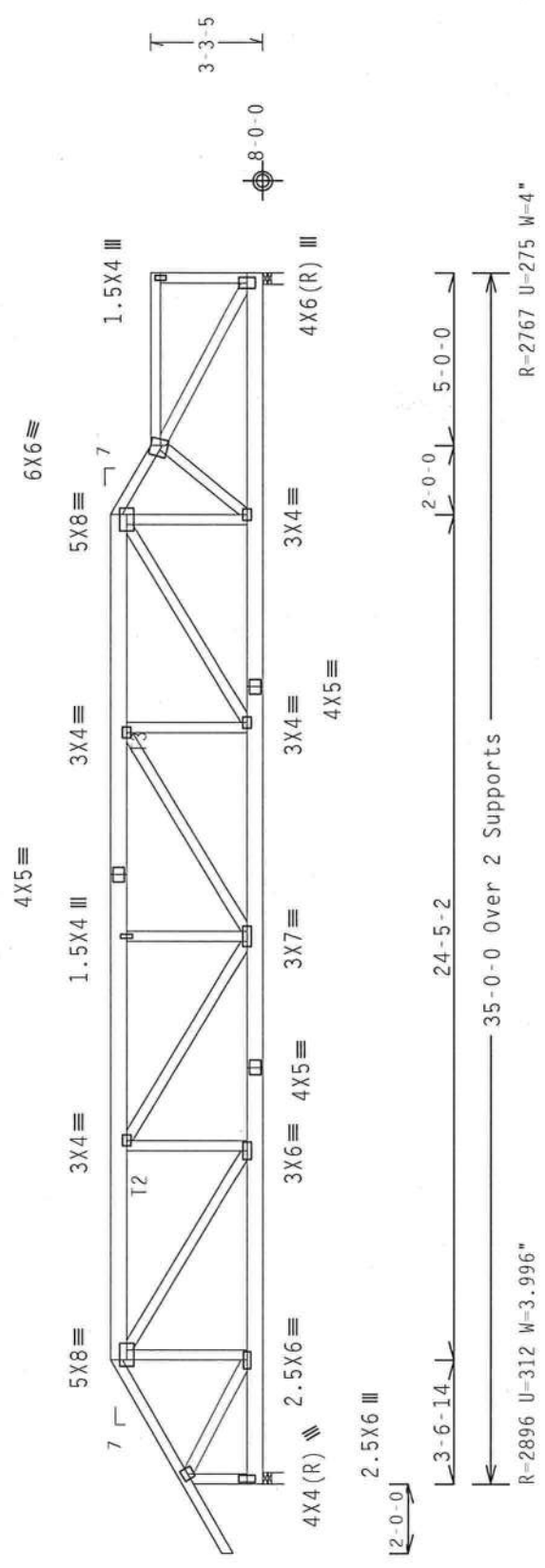
Deflection meets L/240 live and L/180 total load.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

End verticals not exposed to wind pressure.

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



Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

FL/-4/-/-R/-		Scale = .1875"/Ft.
TC LL	20.0 PSF	REF R8228- 26601
TC DL	10.0 PSF	DATE 07/16/09
BC DL	10.0 PSF	DRW HCUSR8228 09197056
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN- 34658
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TTE8228Z04



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RESI (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 TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF RESI (NATIONAL DESIGN SPEC. BY AIA/P&A) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (4-H/55/74) ASTM A653 GRADE 40/60 (4, 8/24-55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE INDICATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE LIABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL 00000078

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 B, wind TC DL=5.0 psf, wind BC DL=5.0 psf Iw=1.00 GCpi(+/-)=0.18

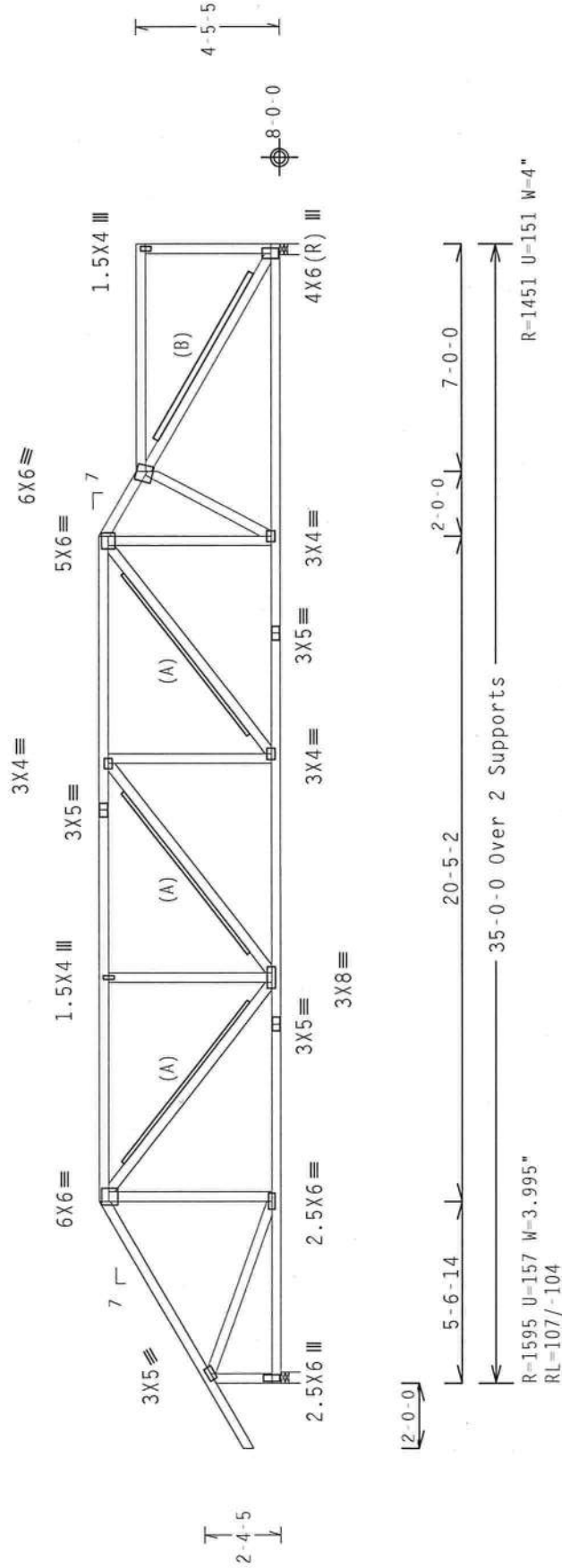
Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

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.

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)
 $FT/RT=10\%(0\%)/0(0)$

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

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPTI (TRUSS PLATE INSTITUTE, 2100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314), AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 638 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID GUTTING.

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

PTI OR COMBING WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND IPTI. IPTI BCG CONNECTION PLATES ARE MADE OF 2018/16GA (14-3/52X8) ASH A653 GRADE 40/50 (14- 3/52X8) GALV. STEEL. APPLY 2 PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE NOTED ON THIS DESIGN, POSITION PER DRAWING 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN IPTI, 2001 SEC. 3.

BRACING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SHEET FOR THE TRUSS COMPONENT TRUSS SHOWN HEREIN SHALL BE THE BASIS FOR THE TRUSS. THE RESPONSIBILITY OF THE TRUSS COMPONENT BUILDING AND DESIGNER UNDER THE AMERICAN ENGINEERING CODES.

TC LL	20.0	PSF	REF	R8228-	26602
TC DL	10.0	PSF	DATE	07/16/09	
BC DL	10.0	PSF	DRW	HCUSR8228	09197057
BC LL	0.0	PSF	HC-ENG	JB/DF	
TOT.LD.	40.0	PSF	SEQN-	34663	
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		JREF-	1TTE8228	Z04



ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL 33844-78

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 B, wind IC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 Gcpi (+/-)=0.18

Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

Roof overhang supports 2.00 psf soffit load.

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

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

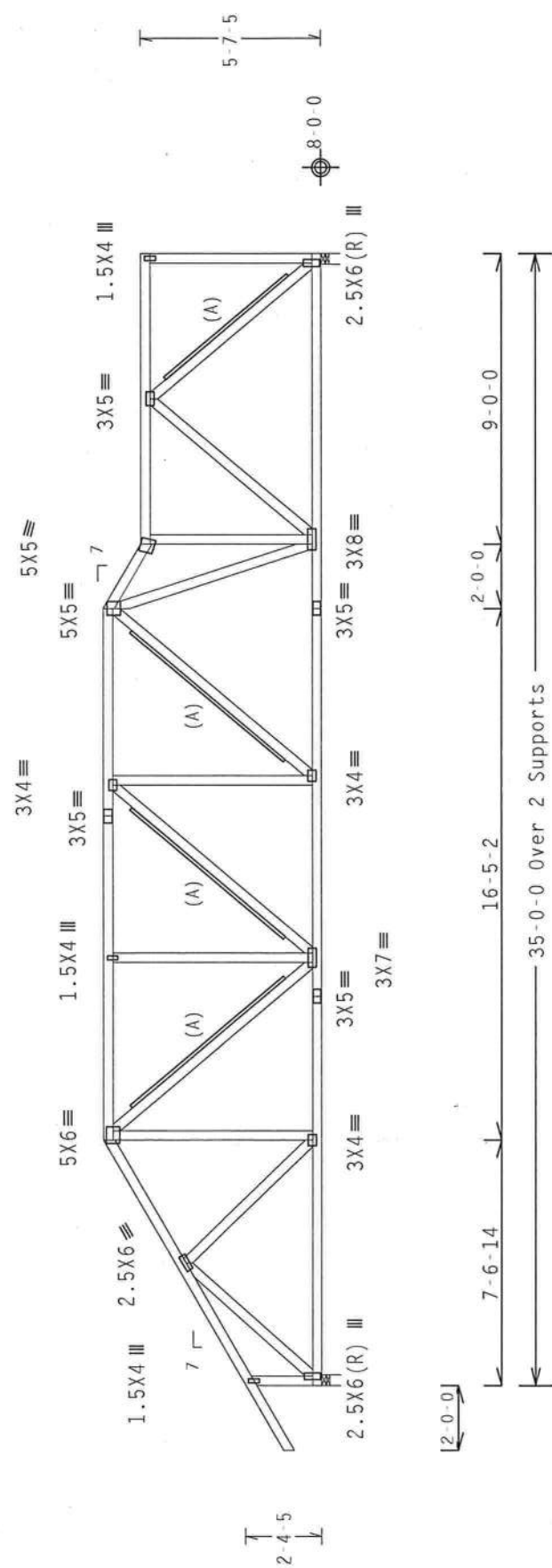
Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

(A) 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.

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

MWFRS loads based on trusses located at least 7.50 ft. from roof edge.



R=1595 U=150 W=3.994"
RL=134/-111

35-0-0 Over 2 Supports -

R=1451 U=154 W=4"

Design Crit: FBC2007Res/TPI -2002(STD)
FT/RT=10%(0%)/0(0)

9.02.00

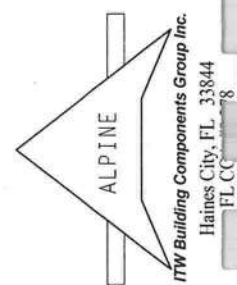
QTY:1 FL/-/4/-/-/R/-

Scale = .1875"/Ft.

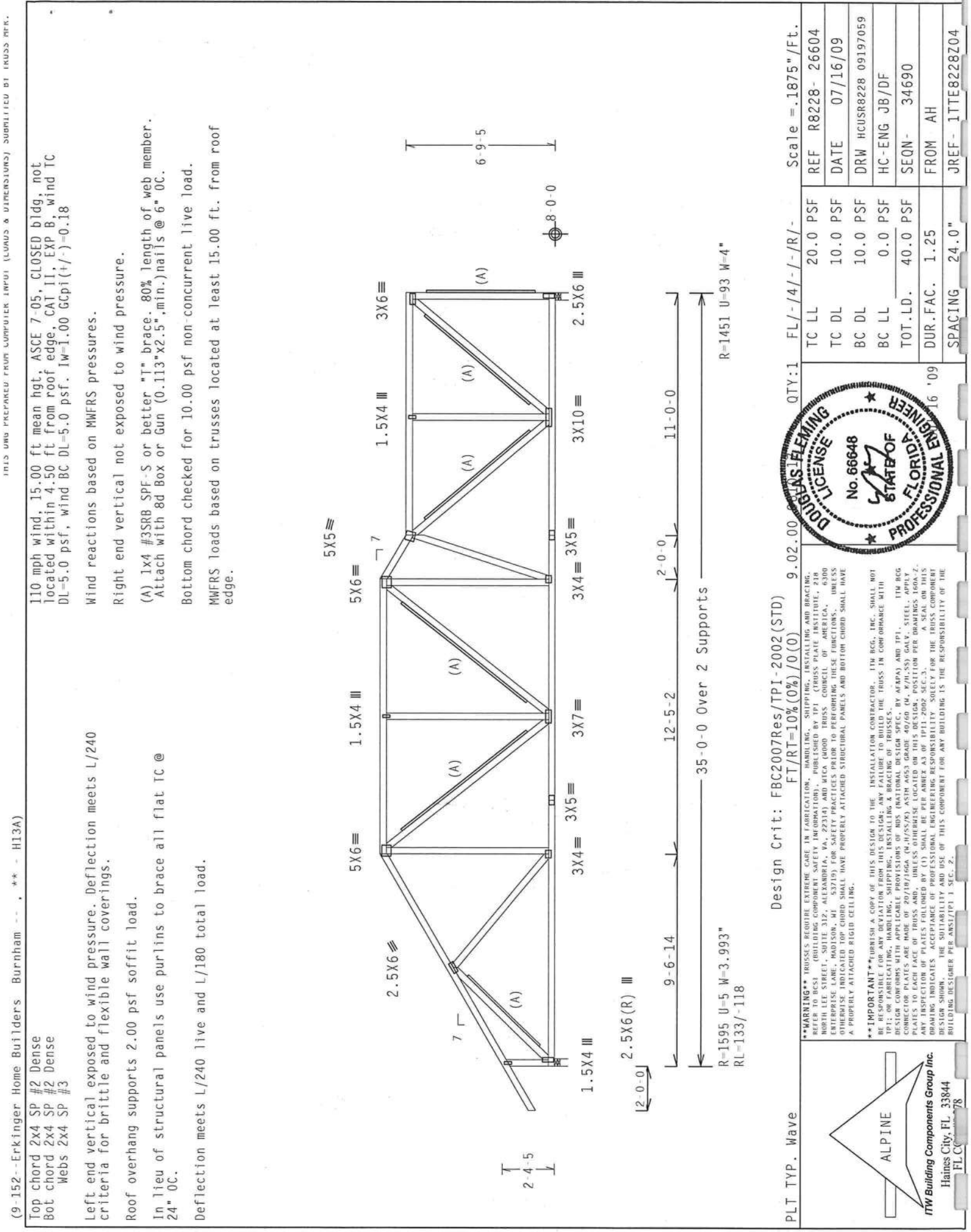


*****WARNING**** TRUSSES BECAUSE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING CODE SAFETY INFORMATION), PUBLISHED BY IPF (INSTITUTE OF PROFESSIONAL FOUNDATION), 2100 LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314 AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE LANE, HADISON, MI 53179) 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 DAMAGE OR INJURY TO THE TRUSS IN COMPLIANCE WITH TP1 - OR FABRICATING, HANDLING, SHIPPING, INSTALLING & DRAGING OF TRUSSES. ITW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPT. CONNECTOR PLATES ARE MADE OF 20X19/16GA ASTM A653 GRADE 40/50 (G, X/H-SS). GALV. STEEL - APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMBIZ AS OF TP1-2009 SEC.2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMS/TP1 1 CG, 2).



TC LL	20.0	PSF	REF	R8228 - 26603
TC DL	10.0	PSF	DATE	07/16/09
BC DL	10.0	PSF	DRW	HCUSR8228 09197058
BC LL	0.0	PSF	HC-ENG	JB/DF
TOT.LD.	40.0	PSF	SEQN -	34678
DUR.FAC.	1.25		FROM	AH
SPACING	24.0"		JREF -	1TTE8228Z04



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

110 mph wind, 15.00 ft mean hgt. ASCE 7-05, PART-ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCpi(+/-)=0.55

Roof overhang supports 2.00 psf soffit load.

(A) 1x4 #3SR 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.

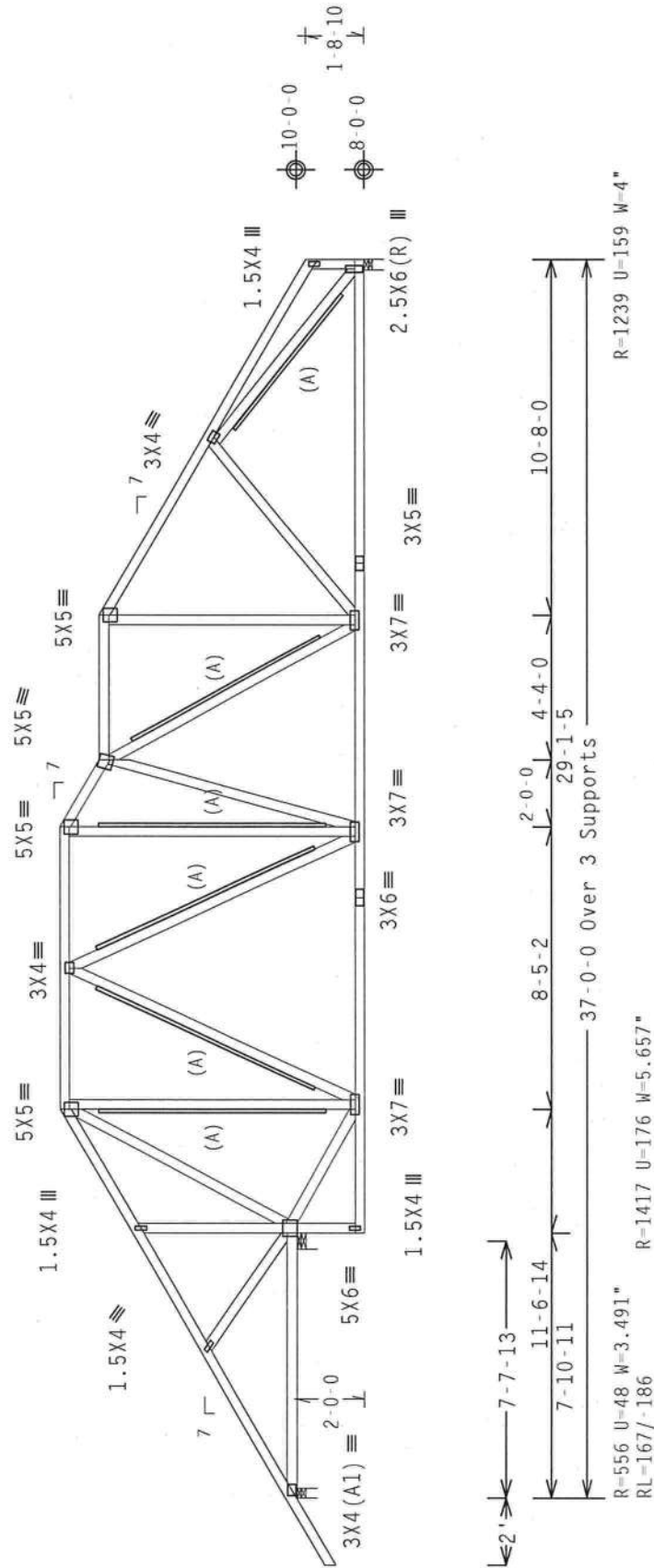
Deflection meets L/240 live and L/180 total load.

Wind reactions based on MWFRS pressures.

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.

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.



PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)
 $FT/RT=10\%(0\%)/0(0)$

002(310) 9.02.00

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

Scale = .1875"/Ft.



ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL 888-333-3378

	Top chord	2x4	SP	Dense
Bot chord	2x4 <td>SP <td>Dense</td> <td></td> </td>	SP <td>Dense</td> <td></td>	Dense	
Web	2x4 <td>SP <td>Dense</td> <td></td> </td>	SP <td>Dense</td> <td></td>	Dense	

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, PART_ENC, bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCPI(+/-)=0.55

Roof overhang supports 2.00 psf soffit load.

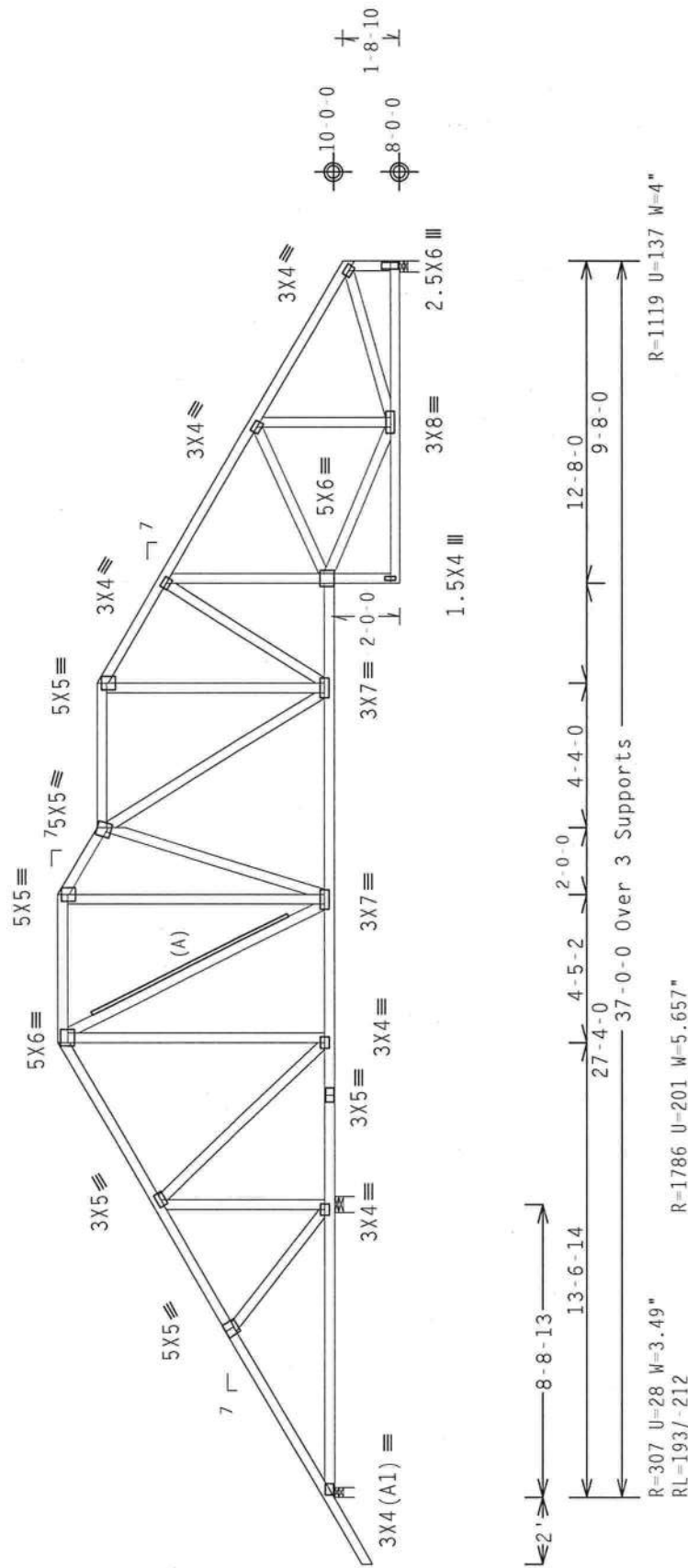
(A) 1x4 #3SRB SPF-S or better "T" brace, 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

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

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.

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

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

02.00

FT/RT=10%(0%)/0(0)

PLT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE COMPONENT SAFETY INFORMATION. PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 2100 WHEELER STREET, SUITE 312, EL CAMINO, CA 90525-1076, AND TPI (TRUSS PLATE INSTITUTE), 2100 WHEELER STREET, SUITE 312, EL CAMINO, CA 90525-1076. FOR MORE INFORMATION, CONTACT TPI (TRUSS PLATE INSTITUTE) AT 800-368-7263. OTHERWISE, THE USER ASSUMES ALL LIABILITY FOR PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED BEAM, CHORDS.

TC LL	20.0	PSF	REF	R8228 -	26606
TC DL	10.0	PSF	DATE	07/16/09	
BC DL	10.0	PSF	DRW	HCUSR8228	09197061
BC LL	0.0	PSF	HC-ENG	JB/DF	
TOT.LD.	40.0	PSF	SEQN-	34708	
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		JREF-	1TTE8228	704

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENTS INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 2300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND MECA (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****TURBISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

TYPE-1 CONNECTOR PLATES WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI, ITH BCG CONNECTOR PLATES ARE MADE OF 2018/170GA (.0475)/KAL ALUMINUM GRADE 40/60 (M-K/H-S.S.) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z-2, 3. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEX 43 OF TP11-2002 SEC. 3,

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMEX 43 OF TP11-2002 SEC. 2.



ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
813-939-7878

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

Roof overhang supports 2.00 psf soffit 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.

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

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

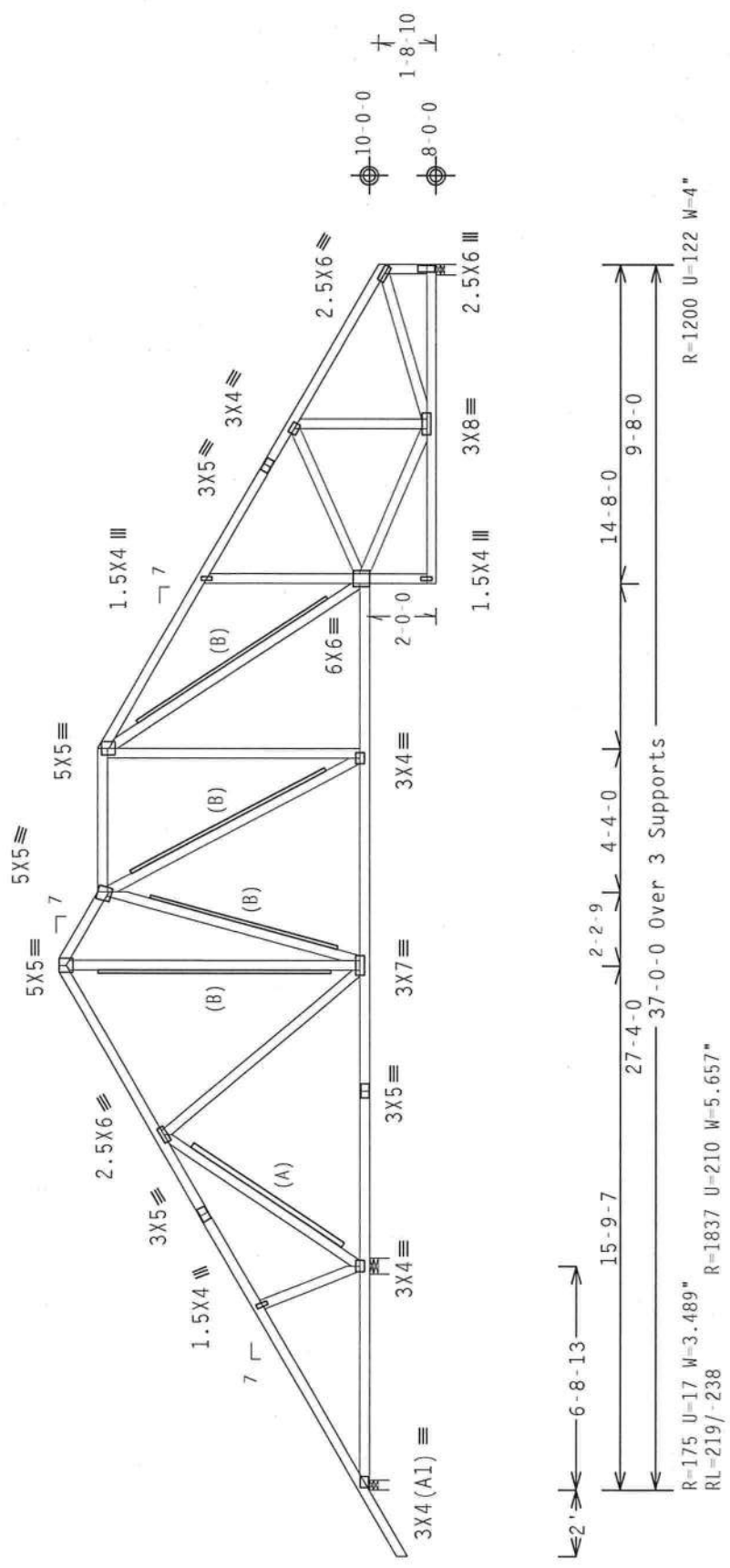
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, PART. ENC. bldg. not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.

(A) 2x4 #3 or better "I" 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.

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.



Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%) / 0(0)

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

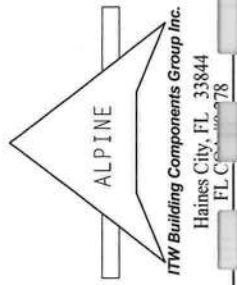


****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 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 NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/1666 (A-J/SS/2K) ASTM A503 GRADE 40/50 (44, 47/1.55) GALV. STEEL. APPLY CONNECTOR PLATES TO ALL JOINTS UNLESS OTHERWISE NOTED. ITW BCG SHALL BE RESPONSIBLE FOR THE DESIGN OF THIS TRUSS. ANY INSPECTION OF PLATES FOLLOWED BY SHALL BE FOR AN END OF TPI 2002 SECTION OR THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

REF	R8228- 26607
DATE	07/16/09
DRW	HCUSR8228 09197062
HC-ENG	JB/DF
SEQN-	34714
FROM	AH
JREF-	1TTE8228Z04



11110 mph wind, 15.00 ft mean hgt, ASCE 7-05, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi (+/-)=0.55

Wind reactions based on MWFRS pressures.

(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.

(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.

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

MMFRS loads based on trusses located at least 15.00 ft. from roof edge.

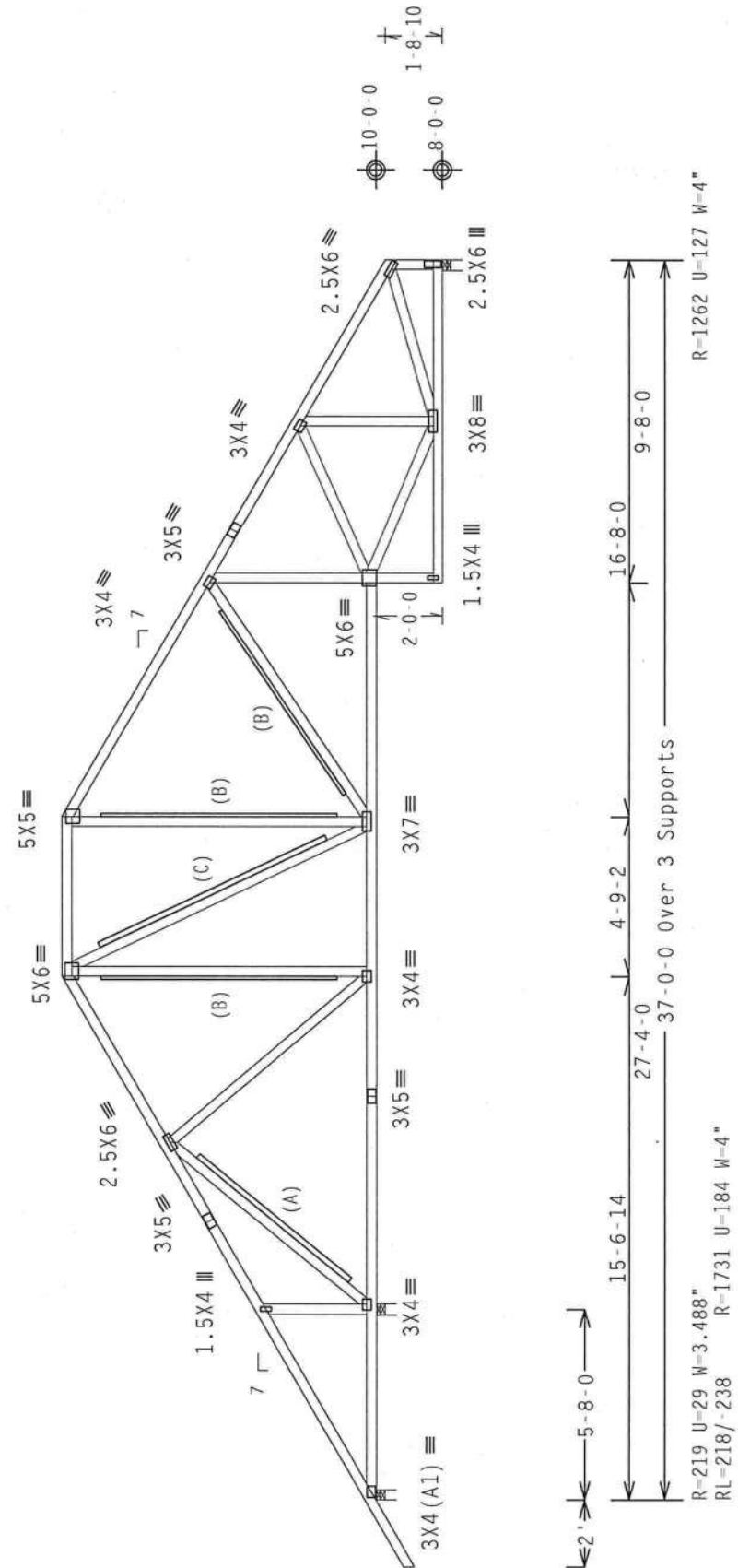
	Top chord	2x4	SP	#2	Dense
Bot chord	2x4	SP	#2	Dense	
webs	2x4	SP	#3		

Roof overhang supports 2.00 psf soffit 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.

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

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



R-219 U=29 W=3.488" R=1262 U=127 W=4"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

Scale = .1875"/Ft.

TC LL	20.0	PSF	REF R8228- 26608
TC DL	10.0	PSF	DATE 07/16/09
BC DL	10.0	PSF	DRW HCUSR8228 09197063
BC LL	0.0	PSF	HC-ENG JB/DF
TOT.LD.	40.0	PSF	SEQN - 34722
DUR.FAC.	1.25		FROM AH
SPACING	24.0"		JREF - 1TTE8228Z04



*****WARNING***** TRUSSES ROUTINE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE CRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, MI 48214, AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION), 5300 NORTH LEE STREET, 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. IFW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FLC 78

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI (+/-)=0.55

Wind reactions based on MWFRS pressures.

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.

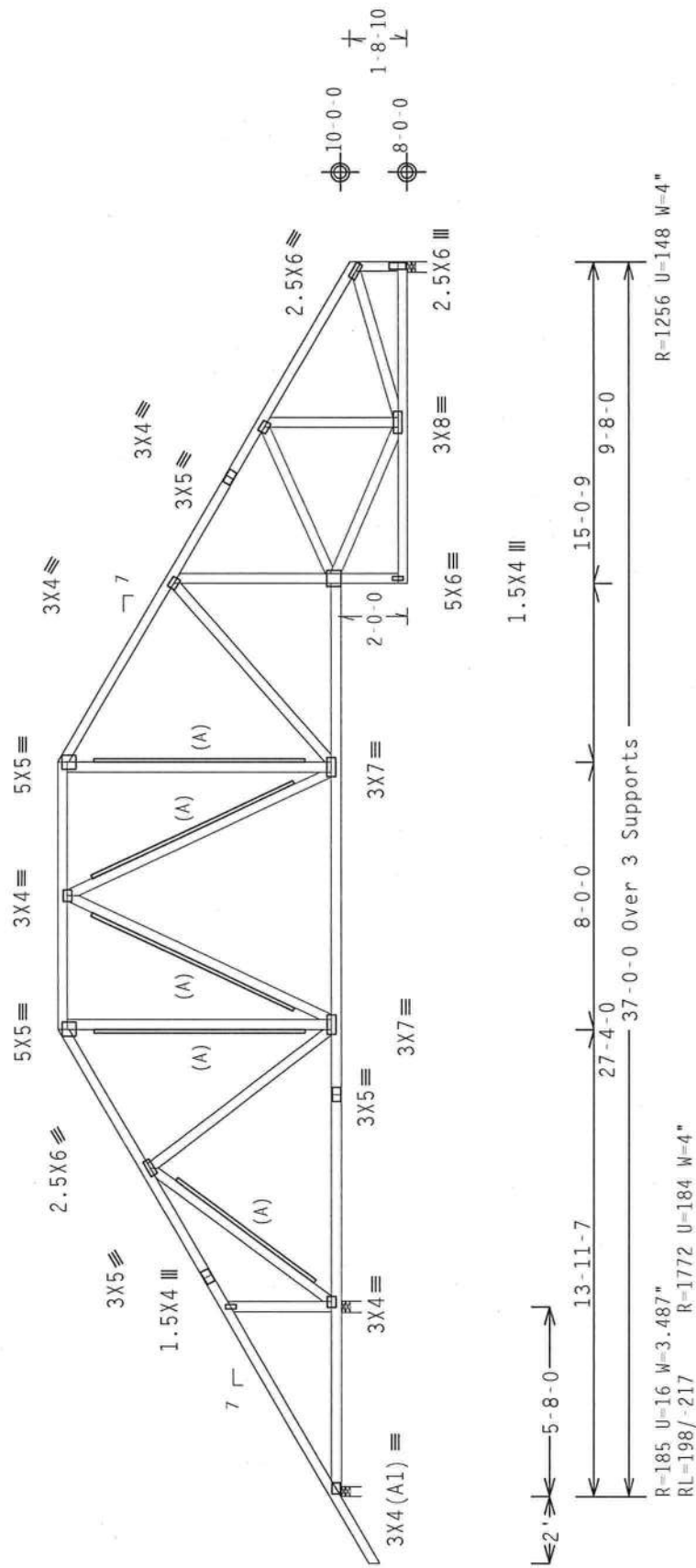
MWFRS loads based on trusses located at least 15.00 ft. from roof edge.

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 "I" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

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

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

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

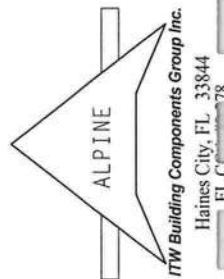
PLT TYP. Wave

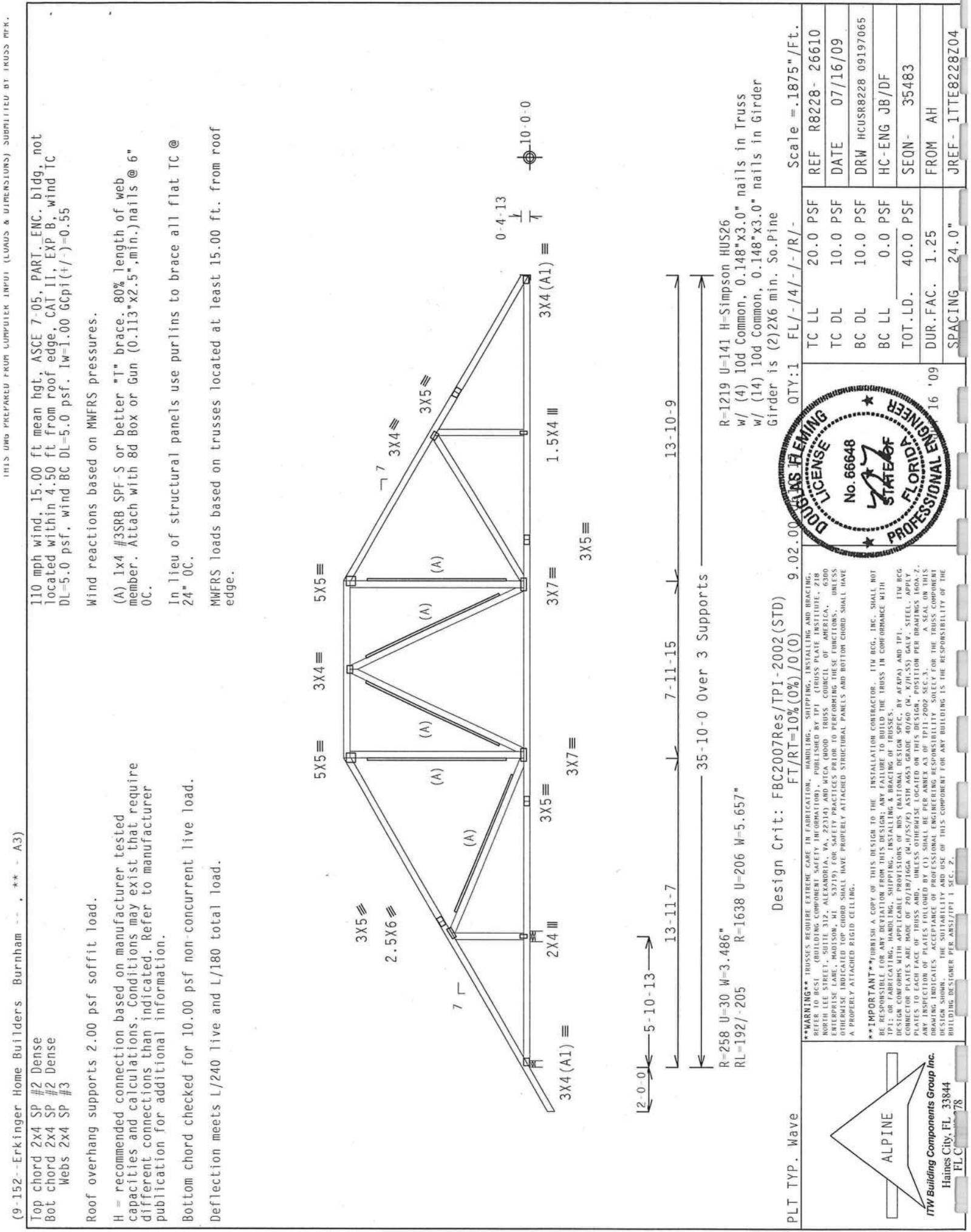
TC LL	20.0	PSF	REF	R8228-	26609
TC DL	10.0	PSF	DATE	07/16/09	
BC DL	10.0	PSF	DRW	HCUSR8228	09197064
BC LL	0.0	PSF	HC-ENG	JB/DF	
TOT.LD.	40.0	PSF	SEQN-	34729	
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		JREF-	1TTE8228	Z04



WARNING: THUSSE'S REINFORCING EXTREME CARE IN FABRICATION, MONITORING, SUPPLY, INSTALLING AND BRACING REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (THUSS PLAST INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALHAMBRA, CA 91801) AND AIA (6000 THUSS, COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, SUITE 500, EL PASO, TX 79714). THUSS'S REINFORCING IS NOT TO BE PERFORMED IN THESE FUNCTIONS, UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

BE IMPORTANT *FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAIL FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE FOLLOWING FABRICATING, WELDING, SHIPPING, INSTALLING AND BRACING DETAILS, OR THE FOLLOWING 11M BCG CONCRETE PLATES MADE OF 20/19/16GA (.0152IN) ASTM A663 GRADE 40/60 (K/24/S5) GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES, FOLLOWED BY (1) SHALL BE PER AMER A3 OF TP11-2002 SEC.3. A SEAL ON THIS DESIGN SHOWN FOR THE CONTRACTOR TO VERIFY THE SUFFICIENCY OF THE SEAL FOR THE TRUSS. THE RESPONSIBILITY OF THE DESIGNER SHOWN FOR ANY BUILDING IS THE RESPONSIBILITY OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMER/TP11-2002 SEC. 2.





	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, PART_ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC D1=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi(+/-)-0.55

Roof overhang supports 2.00 psf soffit load.

Wind reactions based on MWFRS pressures.

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

Right end vertical not exposed to wind pressure.

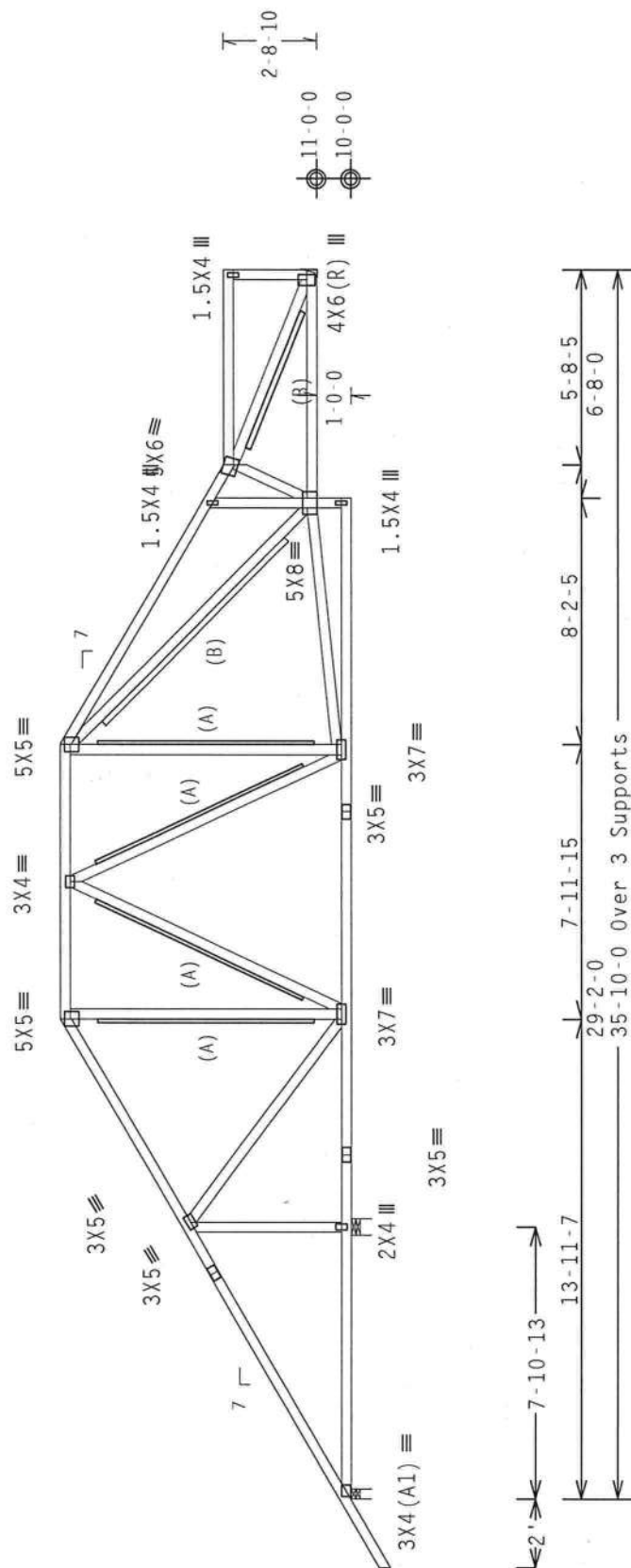
(A) 1x4 #3SRB SPF-S or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

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

MMWFRS loads based on trusses located at least 15.00 ft. from roof edge.

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

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



R=203 U=38 W=3.485"
RL=172/-154

R=1831 U=230 W=5.657"

R=1081 U=151 H=Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2X0 min. (H)

Design Crit: FBC2007Res/TPI-2002(STD)
 $FT/RT=10\%(0\%)/0(0)$

FT/RT=10%(0%) / 0(0) 9.02.00

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

Scale = .1875" / Ft.

PLT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE COMPONENTS INFORMATION, PUBLISHED BY THE CROSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION) EMPLOYER'S LAR, HANSON, WA, 98375, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE NOTICED, ALL TRUSSES WILL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORDS SHALL HAVE PROPERLY NOTICED, REINFORCED, CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAILATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGNER'S INTENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE TRUSS SHALL BE DESIGNED IN ACCORDANCE WITH THE FOLLOWING DESIGN SPECIFICATIONS: (1) DESIGN SPECIFICATIONS FOR TRUSS BRIDGES, 1ST EDITION, 1992, (2) AISC 360-10, (3) AISC 360-16, (4) AISC 360-18, (5) AISC 360-19, (6) AISC 360-20, (7) AISC 360-21, (8) AISC 360-22, (9) AISC 360-23, (10) AISC 360-24, (11) AISC 360-25, (12) AISC 360-26, (13) AISC 360-27, (14) AISC 360-28, (15) AISC 360-29, (16) AISC 360-30, (17) AISC 360-31, (18) AISC 360-32, (19) AISC 360-33, (20) AISC 360-34, (21) AISC 360-35, (22) AISC 360-36, (23) AISC 360-37, (24) AISC 360-38, (25) AISC 360-39, (26) AISC 360-40, (27) AISC 360-41, (28) AISC 360-42, (29) AISC 360-43, (30) AISC 360-44, (31) AISC 360-45, (32) AISC 360-46, (33) AISC 360-47, (34) AISC 360-48, (35) AISC 360-49, (36) AISC 360-50, (37) AISC 360-51, (38) AISC 360-52, (39) AISC 360-53, (40) AISC 360-54, (41) AISC 360-55, (42) AISC 360-56, (43) AISC 360-57, (44) AISC 360-58, (45) AISC 360-59, (46) AISC 360-60, (47) AISC 360-61, (48) AISC 360-62, (49) AISC 360-63, (50) AISC 360-64, (51) AISC 360-65, (52) AISC 360-66, (53) AISC 360-67, (54) AISC 360-68, (55) AISC 360-69, (56) AISC 360-70, (57) AISC 360-71, (58) AISC 360-72, (59) AISC 360-73, (60) AISC 360-74, (61) AISC 360-75, (62) AISC 360-76, (63) AISC 360-77, (64) AISC 360-78, (65) AISC 360-79, (66) AISC 360-80, (67) AISC 360-81, (68) AISC 360-82, (69) AISC 360-83, (70) AISC 360-84, (71) AISC 360-85, (72) AISC 360-86, (73) AISC 360-87, (74) AISC 360-88, (75) AISC 360-89, (76) AISC 360-90, (77) AISC 360-91, (78) AISC 360-92, (79) AISC 360-93, (80) AISC 360-94, (81) AISC 360-95, (82) AISC 360-96, (83) AISC 360-97, (84) AISC 360-98, (85) AISC 360-99, (86) AISC 360-100, (87) AISC 360-101, (88) AISC 360-102, (89) AISC 360-103, (90) AISC 360-104, (91) AISC 360-105, (92) AISC 360-106, (93) AISC 360-107, (94) AISC 360-108, (95) AISC 360-109, (96) AISC 360-110, (97) AISC 360-111, (98) AISC 360-112, (99) AISC 360-113, (100) AISC 360-114, (101) AISC 360-115, (102) AISC 360-116, (103) AISC 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ITW Building Components Group Inc.
Haines City, FL 33844
FL 33844-78

FL C-78

JREF- 1TTE8228Z04

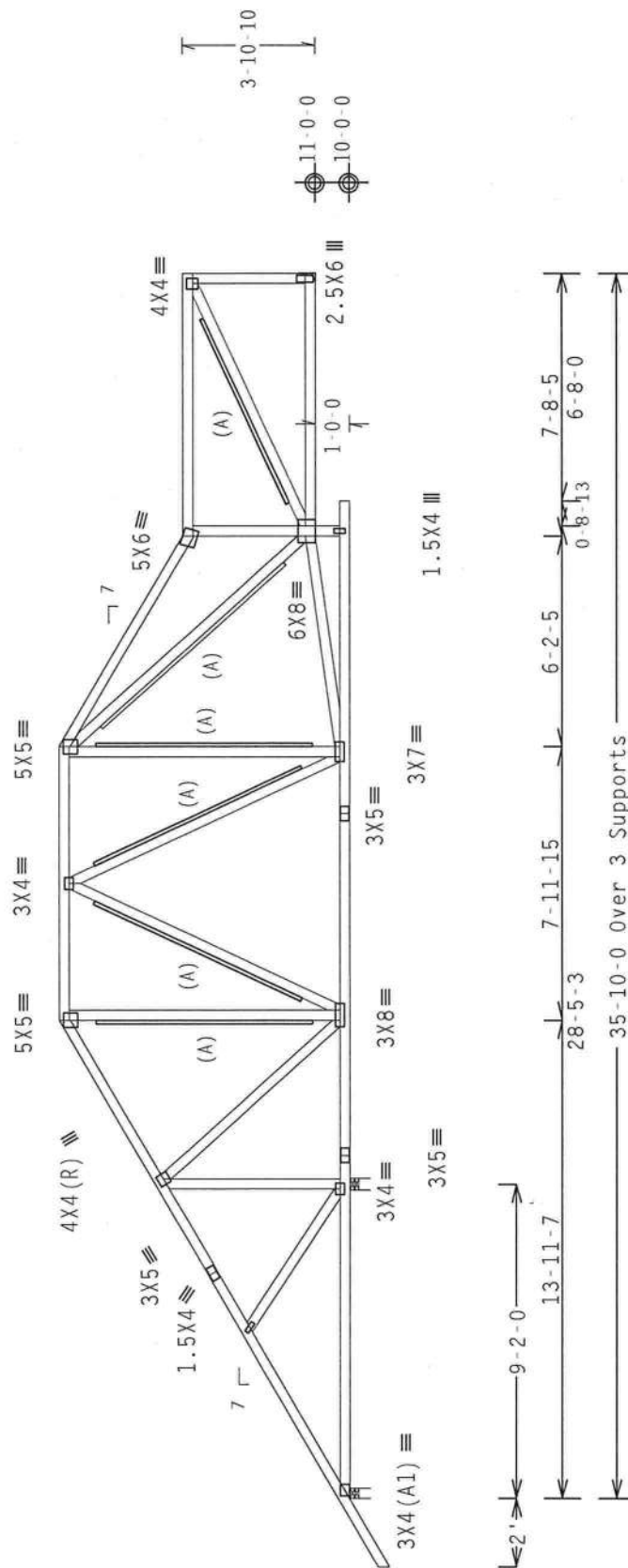
1110 mph wind, 15.00 ft mean hgt., ASCE 7-05, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.55

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

(A) 1x4 #3SR8 SPF-S or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" O.C.

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



R=1002 U=169 H=Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 16d Common, 0.162"x3.5" nails in Girder
Girder is (2)2X0 min. (H)

Scale = .1875"/Ft.

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

	FT/RT=10%(0%)	FT/RT=10%(0%) / O(0)	9.02.00
CZ007Res/IFT-2002(31D)			

PLT TYP. Wave

*****WARNING***** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, AND THE SUPPORTING, INSTALLING AND BRACING OF TRUSSES MUST BE DONE BY A QUALIFIED TRUSSER. TRUSSING COMPANY, INC., 10000 W. 10TH AVENUE, SUITE 110, NORTH LAKE STREET, SUITE 312, ALEXANDRIA, VA 22304, AND APCA (WOOD TRUSS COUNCIL OF AMERICA), 6300 CHERRY LANE, WOODSIDE, MA 02151 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PAMLS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CELLS.

BC LL	0.0	PSF	HC-ENG JB/DF
TOT.LD.	40.0	PSF	SEQN- 34810
DUR.FAC.	1.25		FROM AH
SPACING	24.0"		JREF- 1TTE8228Z04

60,917

****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, TRC, SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE OR INJURY TO THE TRUSS IN CONFORMANCE WITH THE DESIGN. THE DESIGNER WILL BE RESPONSIBLE FOR THE TRACING OF BUSSSES, THE FABRICATING, HANDLING, SHIPPING AND UNLOADING OF BUSSSES. THE BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY ALUMINA) AND TPI. ALL BCG CORRELATOR PLATES ARE MADE OF 20X18X16GA (9-1/16X5-7/8X3/16) ASTM A563 GRADE 40/40 (9, X/16) 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 ANEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1.2C.

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
813-939-0278

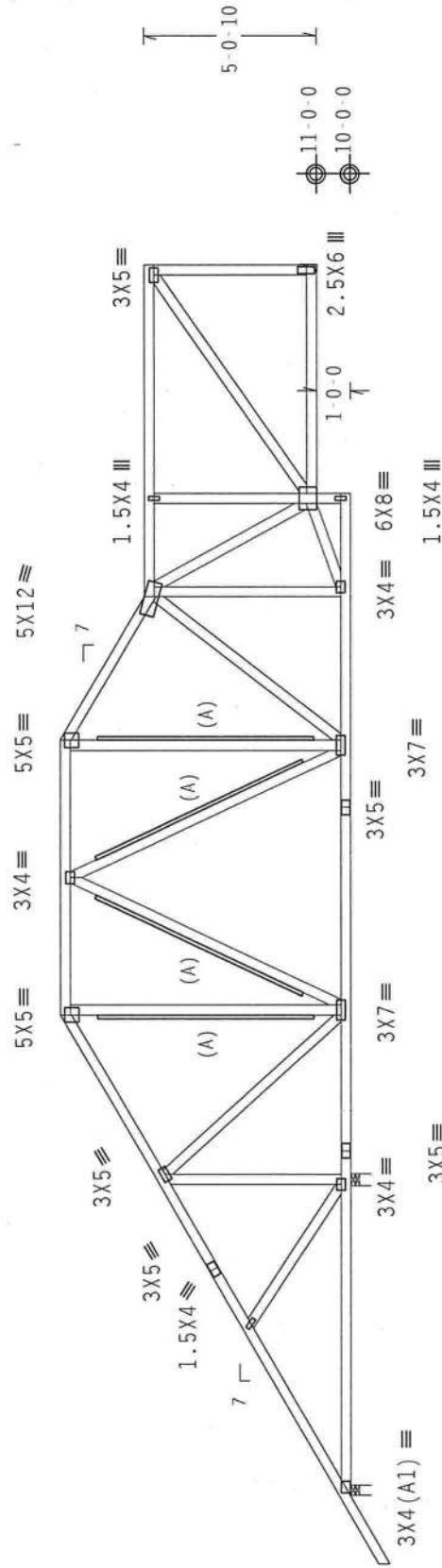
110 mph wind, 15.00 ft mean hgt., ASCE 7-05, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

(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.

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



R=1054 U=200 H=Simpson LU526
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2X0 min. (H)

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

9.02.00

FT/RT=10%(0%) / 0 (0)

Design Critic: Ed

PLT TYP. Wave

TC LL	20.0	PSF	REF	R8228-	26613
TC DL	10.0	PSF	DATE	07/16/09	
BC DL	10.0	PSF	DRW	HCUSR8228	09197068
BC LL	0.0	PSF	HC-ENG	JB/DF	
TOT.LD.	40.0	PSF	SEQN-	34819	
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		JREF-	1TTE8228Z04	

A circular professional engineer seal for the State of Florida. The outer ring contains the text "FLORIDA PROFESSIONAL ENGINEER" at the top and "LICENSE" at the bottom, separated by two stars. In the center, it says "STATE OF" above "No. 66648". A signature is written over the license number. To the right of the seal, the date "16 '09" is printed.

WARNING TRUSSES IN THE EXTREME CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING TO BE BEST BUILDING CONTRACTOR SAFETY INFORMATION. PUBLISHED BY TPI CROSS-PALE INSTITUTE, 20 NORTH E STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND TPI CROSS PALE INSTITUTE, 179 APPALACHIAN INTERSTATE LANE, MADISON, TN 37113 OR SAFETY PRACTICES PRIOR TO PERFORMING SUCH FUNCTIONS. UNLESS OTHERWISE NOTED, DESIGNER SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL BE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, ITW BCG, INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN COMPLIES WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA) AND TPI CONNECTION PLATES ARE USED PER 2018/19 NDS (2018/19). THE LOCATION OF THE TRUSS DESIGN POSITION PER DRAWINGS VERTICALLY SHALL BE LOCATED ON THE TRUSS DESIGN POSITION PER DRAWINGS VERTICALLY. A SEAL ON ANY INSPECTION OF PLATES FOLLOWED BY (13) SHALL BE VERIFIED AS OF TPI 2002 SEC.3.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF BUILDING DESIGNER PER ANSI/TPI 1, SEC. 2.



ITW Building Components Group Inc.
Haines City, FL 33844
FL 888-448-0778

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

Roof overhang supports 2.00 psf soffit load.

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

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

Laterally brace chord above/below filler @ 24" O.C. (or as designed) including a brace on chord directly above/below both ends of filler (if no rigid diaphragm exists at that point)

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, PART-ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpl(+/-)=0.55

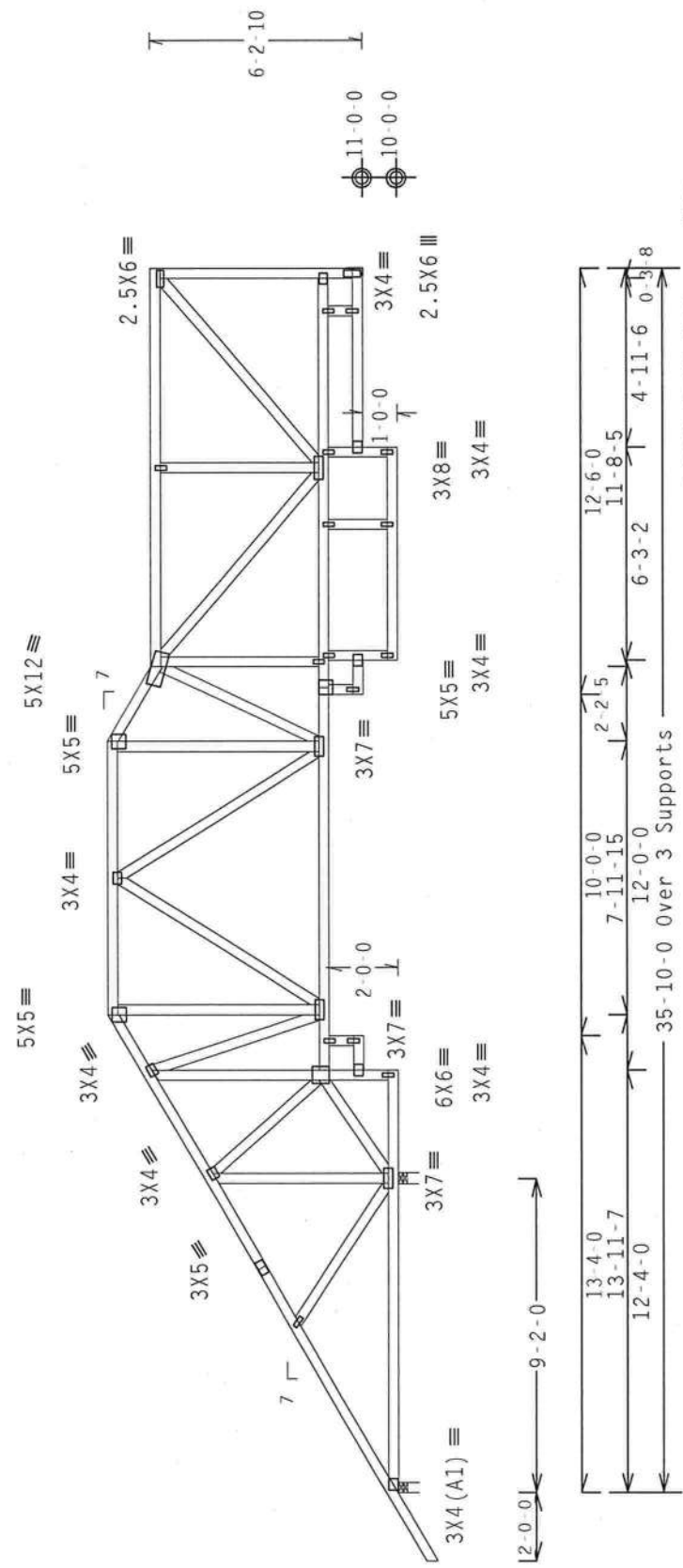
Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

Laterally brace BC at 24" OC in lieu of rigid ceiling. Laterally brace BC above filler at 24" OC.

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

MWFRS loads based on trusses located at least 30.00 ft. from roof edge.



R-228 U=12 W=3.481"
RL=151/-100
R-1885 U=307 W=4"

Note: All Plates Are 1.5X4 Except As Shown.
Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

R=1003 U=210 H=Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 16d Common, 0.162"x3.5" nails in Girder
Girder is (2)2X0 min. (H)

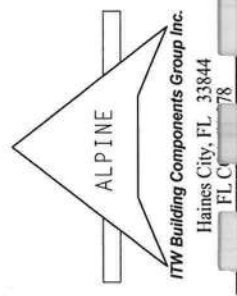
QTY:1 FL/-4/-/-R/- Scale = .1875"/Ft.



****WARNING**** TRUSSES REQUIRING EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSS (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTION PLATES ARE MADE OF 2018/1666A (4040) GRADE 40/60 (40/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE NOTED, SELECT PER ORDERING INSTRUCTIONS. DRAWING INDICATES PLACEMENT OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

TC LL	20.0 PSF	REF	R8228- 26614
TC DL	10.0 PSF	DATE	07/16/09
BC DL	10.0 PSF	DRW	HCUSR8228 09197069
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	34872
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TTE8228Z04



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

Left end vertical not exposed to wind pressure.

Laterally brace BC at 24" OC in lieu of rigid ceiling. Laterally brace BC above filler at 24" OC.

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

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

Laterally brace chord above/below filler @ 24" O.C. (or as designed) including a brace on chord directly above/below both ends of filler (if no rigid diaphragm exists at that point)

3X4 = 5X5 =

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, 1w=1.00 GCpl(+/-)=0.55

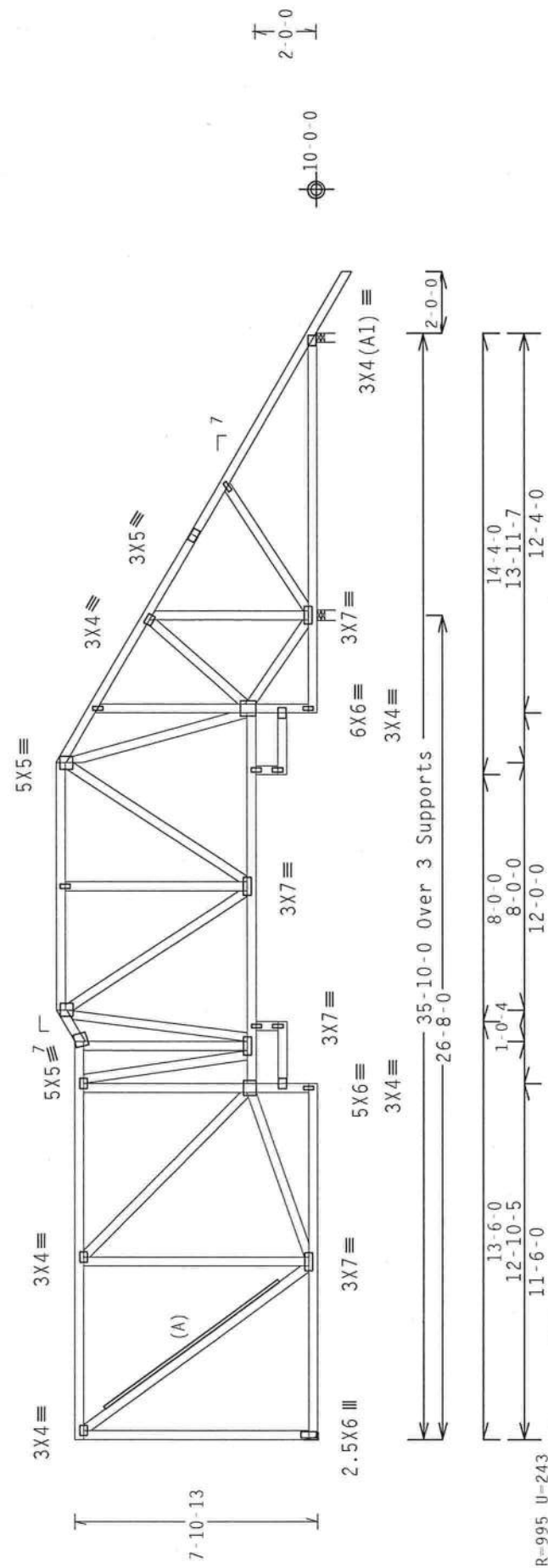
Wind reactions based on MWFRS pressures.

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.

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

MWFRS loads based on trusses located at least 30.00 ft. from roof edge.



R-995 U-243
RL-90/-147 H-Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 16d Common, 0.162"x3.5" nails in Girder
Girder is (2)2X0 min. (H)

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)

FT/RT=10%(0%)/0(0)

9.02.00

QTY:1

FL/-4/-/-R/-

Scale = .1875"/Ft.

R-204 U=74 W=3.5"
R-1917 U=249 W=4"



****WARNING**** TRUSSES BEHOLD EXISTING GAPS IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO THE BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 4300 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. ITH 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 BCS (NATIONAL DESIGN SPEC, BY AIA/PCA) AND TPI. CORROSION RESISTANT PLATES ARE MADE OF 2018/1666 (4-10/SS/PS) ASTM A653 GRADE 40/60 (4, 8/10-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERFORMED AS OF 1/1/2002 SEC. 3. A SCALE FOR THIS DESIGN SHALL BE THE SUFFICIENCY AND LOSS OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

ITH Building Components Group Inc.
Haines City, FL 33844
FLC 178

TC LL	20.0 PSF	REF	R8228- 26616
TC DL	10.0 PSF	DATE	07/16/09
BC DL	10.0 PSF	DRW	HCUSR8228 09197071
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	34931
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TTE8228Z04

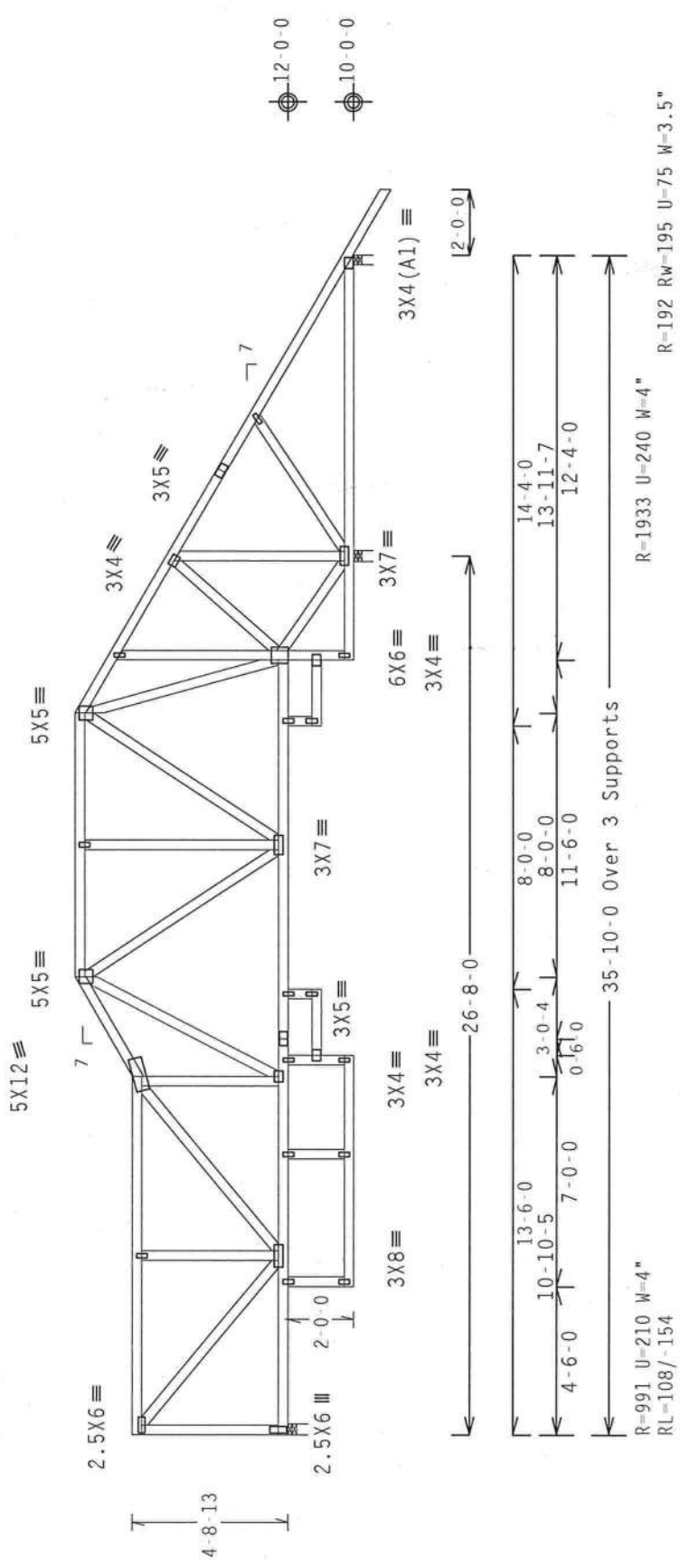
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
Filler 2x4 SP #2 Dense

Left end vertical not exposed to wind pressure.
Laterally brace BC at 24" OC in lieu of rigid ceiling. Laterally brace BC above filler at 24" OC.
Bottom chord checked for 10.00 psf non-concurrent live load.
MWFRS loads based on trusses located at least 30.00 ft. from roof edge.

Laterally brace chord above/below filler @ 24" O.C. (or as designed) including a brace on chord directly above/below both ends of filler (if no rigid diaphragm exists at that point)

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, PART-ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind IC DL-5.0 psf, wind BC DL-5.0 psf. 1w-1.00 GCpl(+/-)-0.55

Wind reactions based on MWFRS pressures.
Roof overhang supports 2.00 psf soffit load.
In lieu of structural panels use purlins to brace all flat IC @ 24" OC.
Deflection meets L/240 live and L/180 total load.



Note: All Plates Are 1.5X4 Except As Shown.
Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%/0/0/0) 9.02.00 QTY:1 FL/-4/-/-R/- Scale =.1875"/Ft.

PLT TYP. Wave

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FLCQ-78

DOUGLAS FLEMING
LICENSE
No. 66648
STATE OF FLORIDA
PROFESSIONAL ENGINEER
16 '09

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

REF R8228- 26617
DATE 07/16/09
DRW HCUSR8228 09197072
HC-ENG JB/DF
SEQN- 34967
FROM AH
JREF- 1TTE228Z04

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

Left end vertical not exposed to wind pressure.

Max JT VERT DEFL: LL: 0.10" DL: 0.18" recommended camber 1/4"

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

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

Laterally brace chord above/below filler @ 24" O.C.
(or as designed) including a brace on chord directly above/below both ends of filler (if no rigid diaphragm exists at that point)

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, PART-ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind IC DL-5.0 psf, wind BC DL-5.0 psf. $I_w=1.00$ GCPI(+/-)-0.55

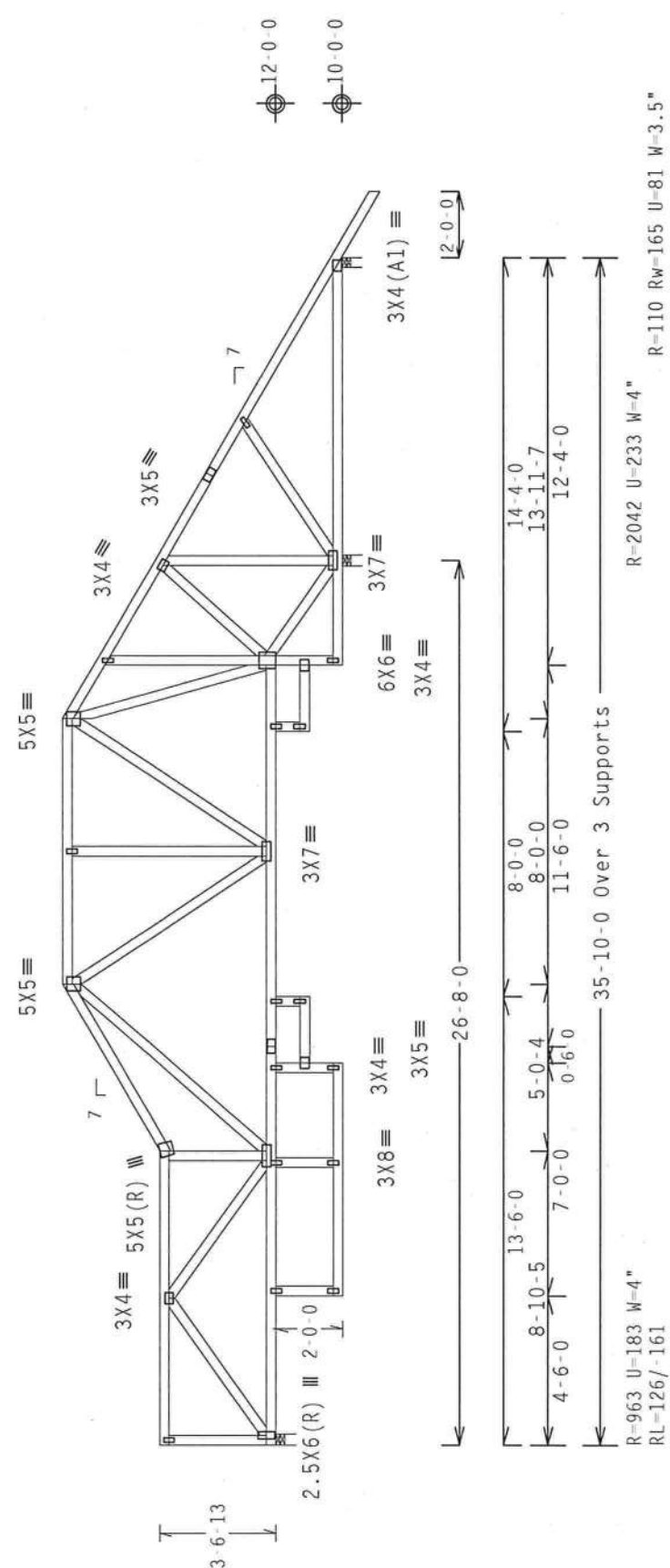
Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

Laterally brace BC at 24" OC in lieu of rigid ceiling. Laterally brace BC above filler at 24" OC.

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

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%)/0 (0)

Scale = .1875" / Ft.



PLT TYP. Wave

9.02.00

QTY: 1

FL / - / 4 / - / R / -

TC LL 20.0 PSF

TC DL 10.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TOT.LD. 40.0 PSF

DUR.FAC. 1.25

SPACING 24.0"

REF R8228- 26618

DATE 07/16/09

DRW HCUSR8228 09197073

HC-ENG JB/DF

SEQN- 35003

FROM AH

JREF- 1TTE8228Z04

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FLCC-78

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

Left end vertical not exposed to wind pressure.

Max JT VERT DEFL: LL: 0.12" DL: 0.16" recommended camber 1/4"

Laterally brace BC at 24" OC in lieu of rigid ceiling. Laterally brace BC above filler at 24" OC.

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

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

Laterally brace chord above/below filler @ 24" O.C.
(or as designed) including a brace on chord directly
above/below both ends of filler (if no rigid diaphragm
exists at that point)

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, PART 7, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCPI(+/-)0.55

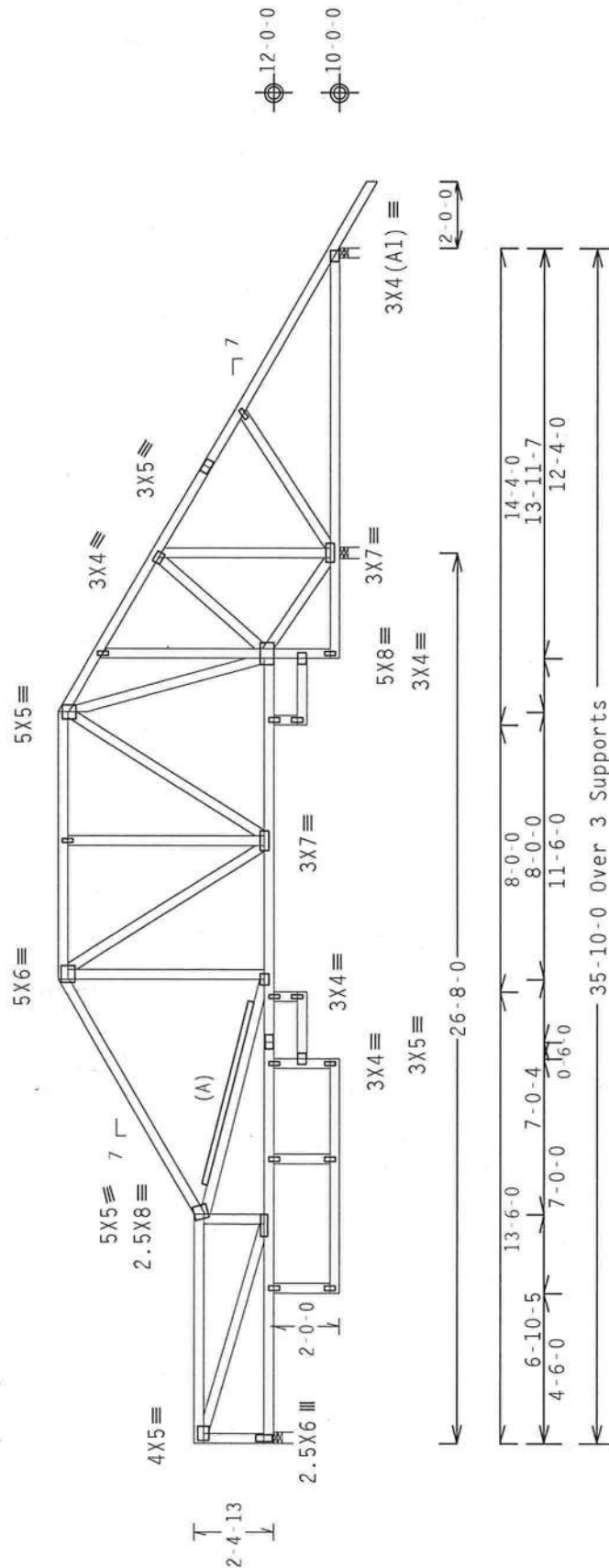
Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit 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.

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

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.



R=910 U=151 W=4"
RL=144/-168

R=48 RW=152 U=125 W=3.5"

Note: All Plates Are 1.5X4 Except As Shown.

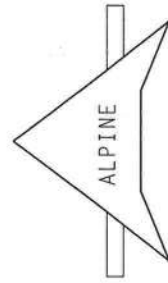
Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave

FT/RT=10%(0%)/0(0)

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

Scale = .1875"/Ft.



ITW Building Components Group Inc.

Haines City, FL 33844

FL CC-110-078

*****WARNING***** THOSSE'S REQUIRES EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ALWAYS USE PROPER SAFETY PRECAUTIONS. PUBLISHED BY THOSSE PAPER PRODUCTS COMPANY, 240 NORTH LAUREL STREET, CHICAGO, ILL. 60601, 312/321-1000. MAIL ORDER: 312/321-1000. © 1987 THOSSE PAPER PRODUCTS COMPANY. ALL RIGHTS RESERVED. LARKE, HADISLOW, #1, 527/1919. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, TOP SHEET SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

**** IMPORTANT ****TURKISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR FOR TIM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DIVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1-0 OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES.

DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY ALPCA) AND TP1-0. TIM BCG TRUSS COMPANY HAS BEEN ADVISED THAT THE TRUSS WILL BE USED AS AN INTERIOR TRUSS FOR A STEEL FRAME TYPICAL PER DRAWINGS 160A-Z. PLATES TO EACH FACE OF TRUSSES AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FURNISHED BY TP1-0 SHALL BE PER AMER A.3 OF TP1-0:2009 SEC.2.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF THIS DESIGN. THE USER OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMER A.1.1 SEC.2.



TC LL	20.0 PSF	REF	R8228 - 26619
TC DL	10.0 PSF	DATE	07/16/09
BC DL	10.0 PSF	DRW	HCUSR8228 09197074
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	35034
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TTE8228Z04

(9-152--Erkinger Home Builders Burnham --, ** - A13)

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

Roof overhang supports 2.00 psf soffit load.

Laterally brace BC at 24" OC in lieu of rigid ceiling. Laterally brace BC above filler at 24" OC.

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

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.

Laterally brace BC above filler @ 24" O.C. Including a lateral brace at chord ends.

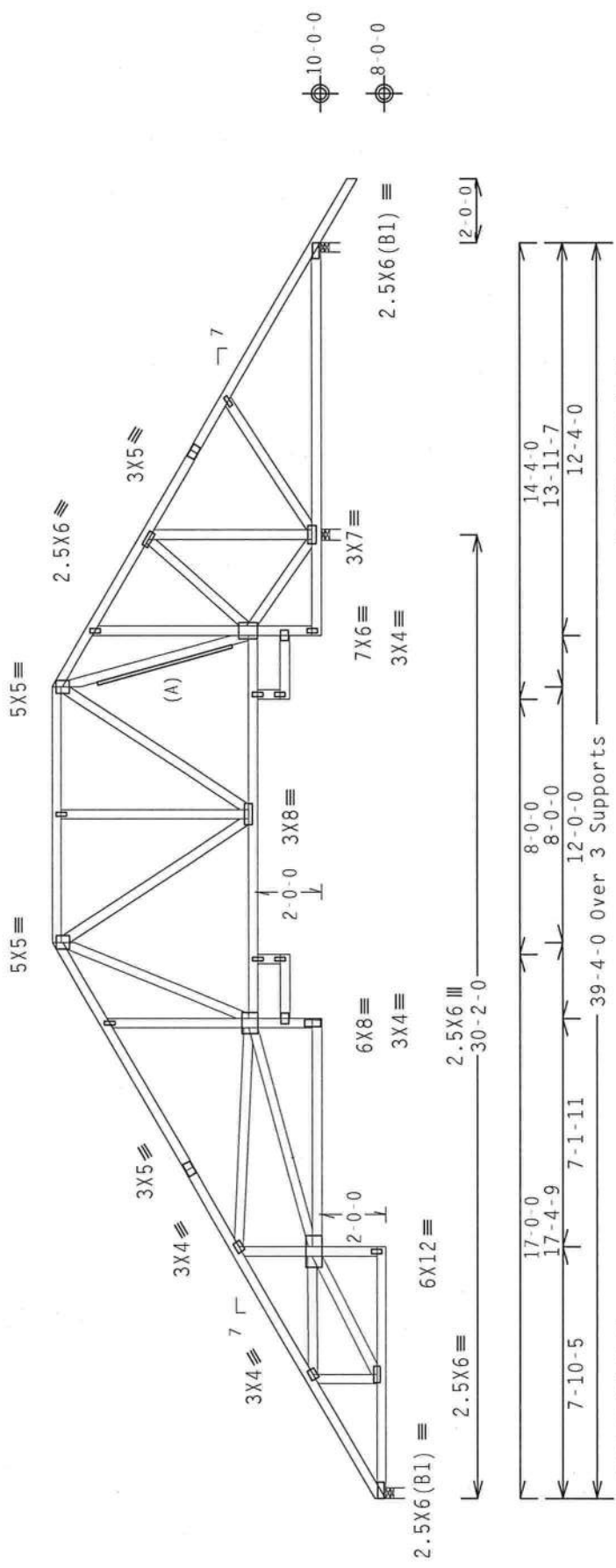
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpl(+/-)=0.55

Wind reactions based on MWFRS pressures.

(A) 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.

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

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



R-1054 U=121 W=4"
RL=240/-209

R=2498 U=253 W=4"
R=146 Rw=210 U=219 W=3.5"

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)

FT/RT=10%(0%)/0(0)

9.02.00

QTY:1

FL/-/4/-/R/-

Scale = .1875"/Ft.

PLT TYP. Wave

REF R8228- 26620

DATE 07/16/09

DRW HCUSR8228 09197075

HC-ENG JB/DF

SEQN- 35057

FROM AH

JREF- 1TTE8228204

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF



****WARNING**** TRUSSES BEHIND EXTERIOR GABLE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND 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 TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. ITW BCG CORP. OR PLATES ARE MADE OF 20/107160A (41H/55/73) ASTM A653 GRADE 40/60 (41, 42/55) GALV. STEEL. APPLY 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 TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANST/TPI 1 SEC. 2.



ALPINE



ITW Building Components Group Inc.
Haines City, FL 33844
FL CO 33844

(9-152--Erkinger Home Builders Burnham --, ** - A16)

Top chord 2x4 SP #2 Dense :T1, T2 2x8 SP #1 Dense:
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, PART-ENC. bldg, not located within 4.50 ft from roof edge, CAT. II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, IW=1.00 GCpl(+/-)=0.55

(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.

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.

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

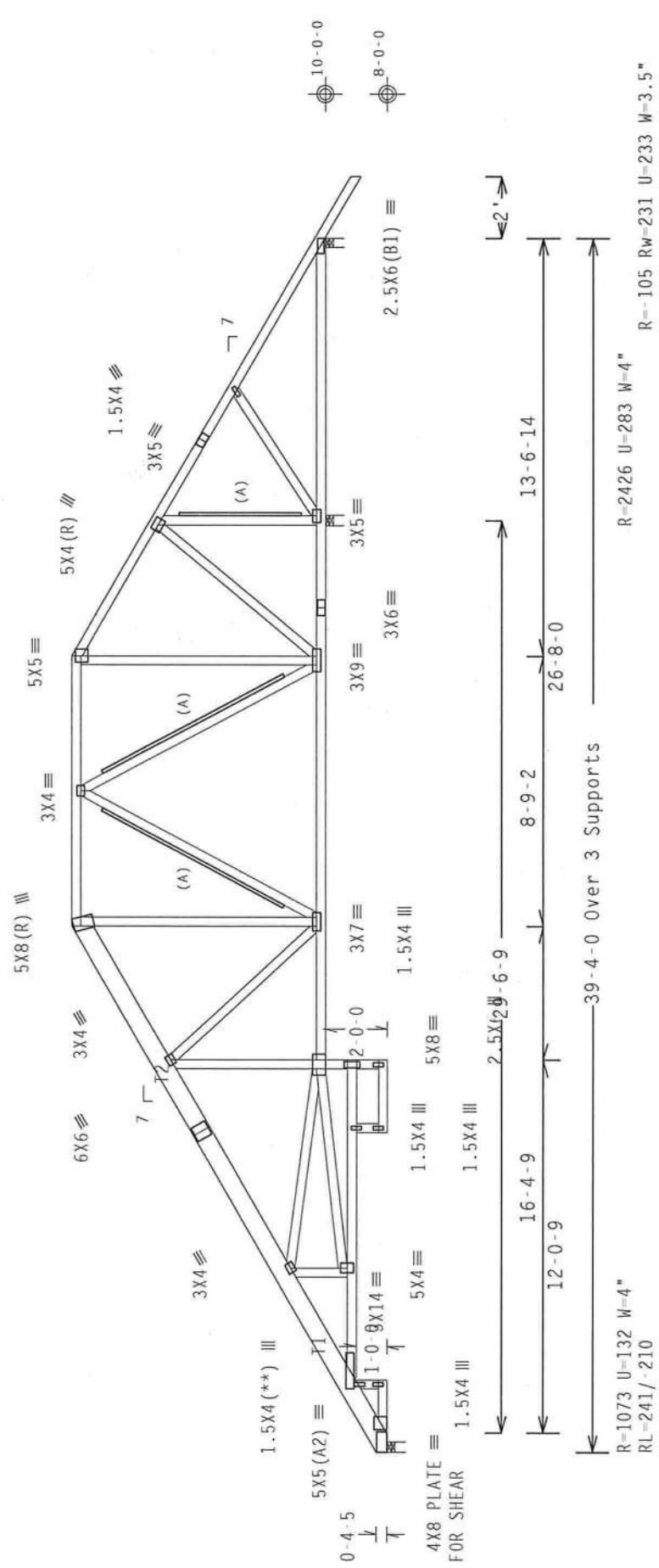
Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

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

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

Laterally brace chord above/below filler @ 24" O.C. (or as designed) including a brace on chord directly above/below both ends of filler (if no rigid diaphragm exists at that point)



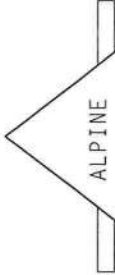
Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)



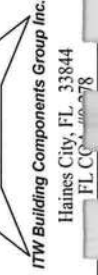
QTY:1	FL/-4/-/-R/-	Scale =.1875"/Ft.
TC LL	20.0 PSF	REF R8228- 26623
TC DL	10.0 PSF	DATE 07/16/09
BC DL	10.0 PSF	DRW HCUSR8228 09197078
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN- 35308
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TTE8228204

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. BEFORE BEGINNING FABRICATION, THE TRUSS MANUFACTURER SHALL VERIFY THE TRUSS DESIGN, INCLUDING THE FOLLOWING: NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314) AND MECA (MOJO TRUSS, COUNCIL OF AMERICA, ENTERPRISE LABEL, MADISON, WI 53701) 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. THE 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 ACPA) AND TPI. THE BCG CONNECTOR PLATES ARE MADE OF 2018T7666 (A-M/55/K) ASTM A653 GRADE 40/60 (A- K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS T00A-7. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERAS OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT MANUFACTURED BY BCG, INC. THIS COMPONENT IS THE PROPERTY OF BCG, INC. AND IS NOT TO BE REPRODUCED OR USED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN PERMISSION OF BCG, INC. THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ALPINE



ITW Building Components Group Inc.
Haines City, FL 33844
FLC01-00-078

(9-152--Erkinger Home Builders Burnham --, ** - A17)

Top chord 2x8 SP #1 Dense :T3, T4 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, PART-ENC. bldg. not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCpl(+/-)=0.55

(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.

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.

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

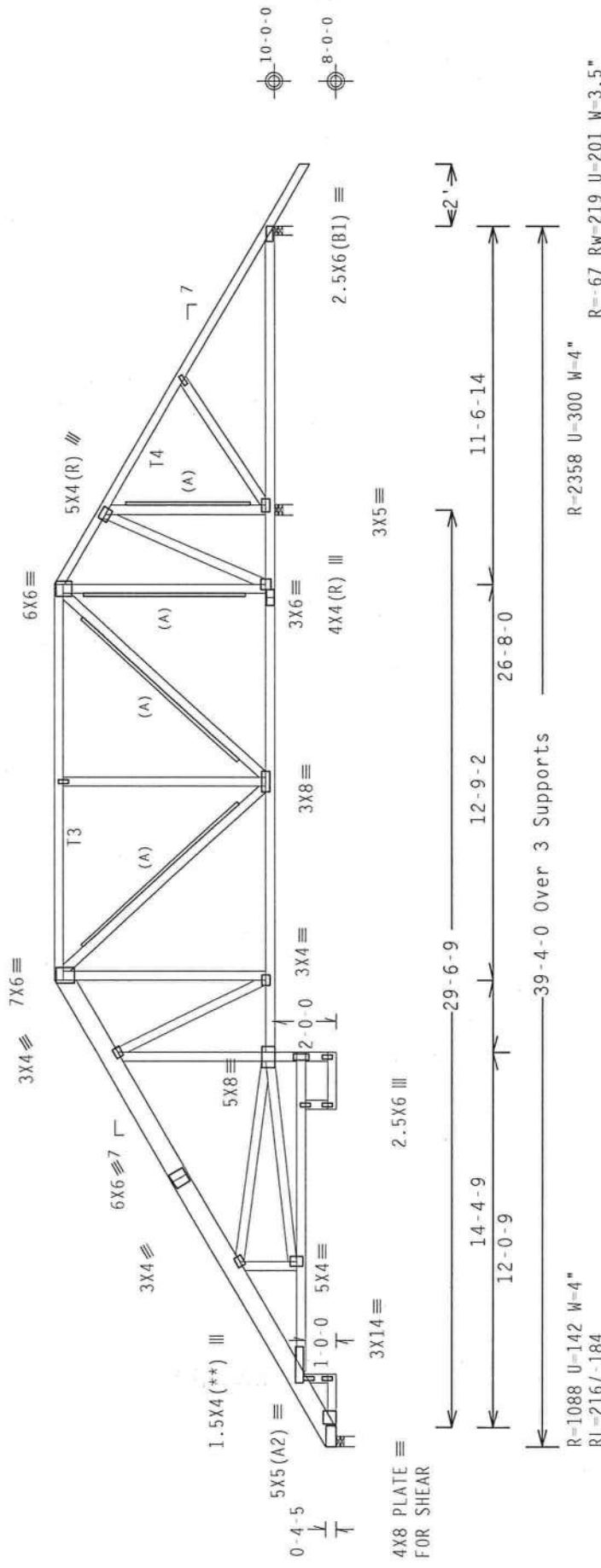
Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

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

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

Laterally brace chord above/below filler @ 24" O.C. (or as designed) including a brace on chord directly above/below both ends of filler (if no rigid diaphragm exists at that point)



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

R=1088 U=142 W=4"
RL=216/-184

R=2358 U=300 W=4"
R=-67 Rw=219 U=201 W=3.5"



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

TC LL	20.0 PSF	REF	R8228- 26624
TC DL	10.0 PSF	DATE	07/16/09
BC DL	10.0 PSF	DRW	HCUSR8228 09197079
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	35351
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TTE8228Z04

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL CO. 00000008

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

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

Left side jacks have 7'-0" setback with 0'-0" cant and 0'-0" overhang. End jacks have 7'-0" setback with 0'-0" cant and 2'-0" overhang. Right side jacks have 0'-0" setback with 0'-0" cant and 0'-0" overhang.

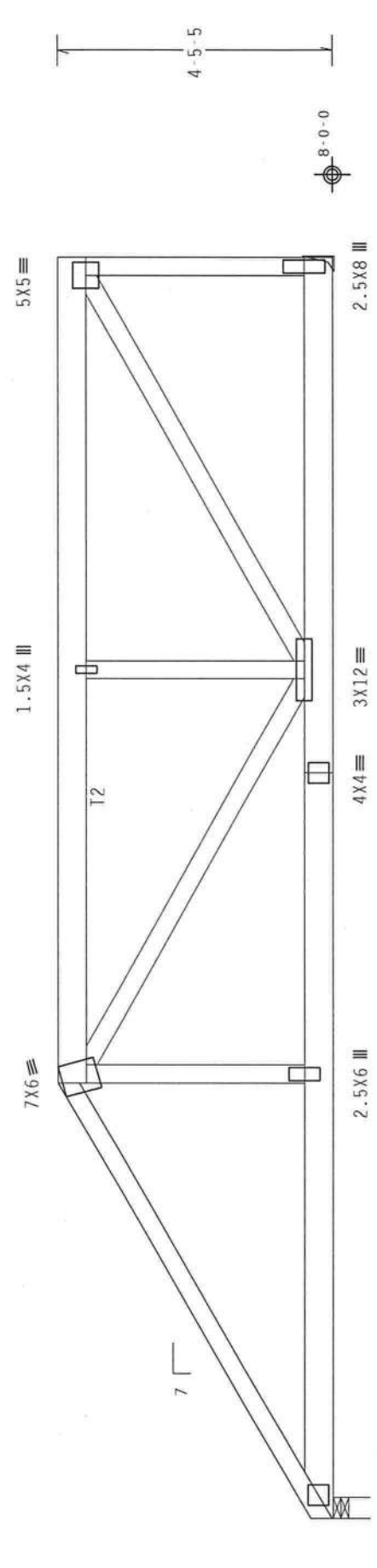
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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

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



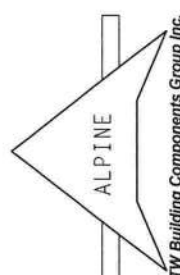
13'-4'-0"

20'-4'-0" Over 2 Supports

R-1510 U-153 W-4"

R-1731 U-169 H-Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2X0 min. (H)

PLT TYP. Wave



ITW Building Components Group Inc.
Haines City, FL 33844
FLCC 00000008

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10(0%)/0(0)

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

Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R8228 - 26625
TC DL	10.0 PSF	DATE	07/16/09
BC DL	10.0 PSF	DRW	HCUSR8228 09197080
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	34669
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TTE8228Z04

DOUGLAS FLEMING
LICENSE
No. 66648
STATE OF FLORIDA
PROFESSIONAL ENGINEER
16 '09

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (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 A BRACING OF TRUSSES. ITW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF BCS (NATIONAL DESIGN SPEC. BY AERPA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (4-H/55/74) ASH 6053 GRADE 40/60 (R, K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE LIABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

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

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

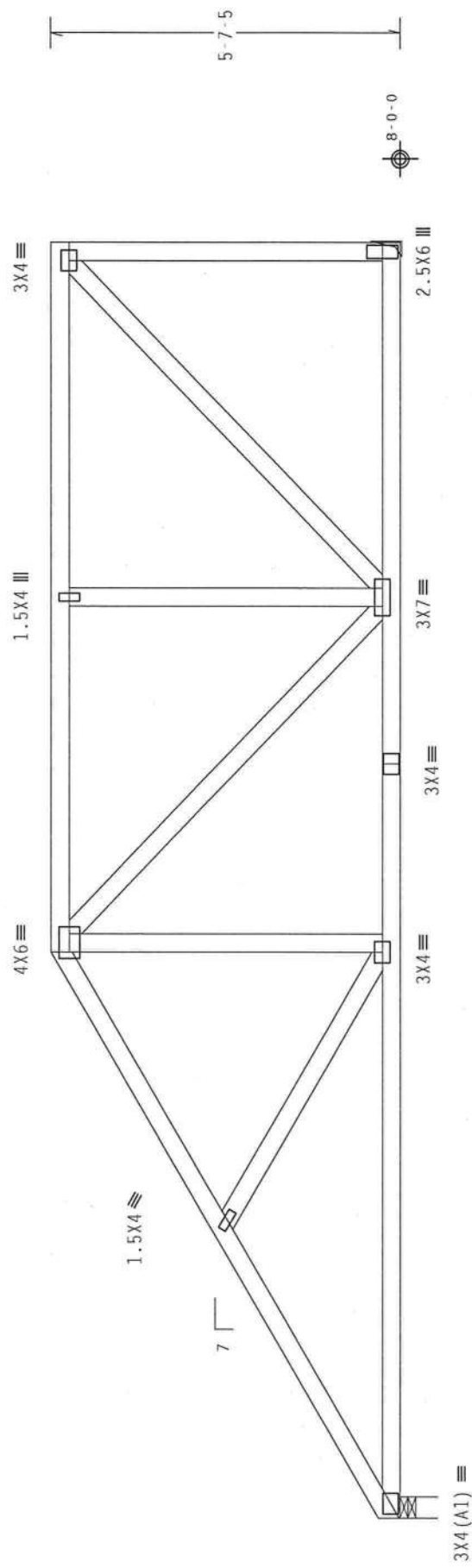
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, $I_w=1.00$ GCPI(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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

MWFRS loads based on trusses located at least 7.50 ft. from roof edge.



9-0-0
20-4-0 Over 2 Supports
11-4-0

R=852 U=59 W=4"
RL=121/-27

R-839 U-100 H-Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder
Girders (2) 2X0 min. (H)

Design Crit: FBC2007Res/TPI-2002(STD)

9.02.00

Scale = .375" / Ft.

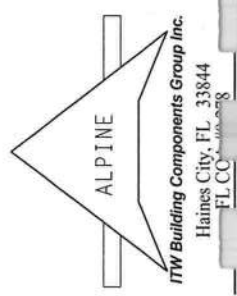
PLT TYP. Wave	TC LL	20.0 PSF	REF	R8228- 26626
	TC DL	10.0 PSF	DATE	07/16/09
	BC DL	10.0 PSF	DRW	HCUSR8228 09197118
	BC LL	0.0 PSF	HC-ENG	JB/DF
	TOT.LD.	40.0 PSF	SEQN-	35355
	DUR.FAC.	1.25	FROM	AH
	SPACING	24.0"	JREF-	1TTE8228Z04



****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, 6300 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. TPI BCS, 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 BCS (NATIONAL DESIGN SPEC., BY AIA/ASA) AND TPI. TPI BCS CONNECTOR PLATES ARE MADE OF 20/18/16GA (4-H/55/S) ASTM A653 GRADE 40/60 (4, 8/21-55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. INSPECTION OF PLATE FOLLOWED PROPERLY. (1) SHALL BE THE USER'S RESPONSIBILITY FOR THE TRUSS. THE DESIGNER'S RESPONSIBILITY IS THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ARS/TPI 1 SEC. 2.



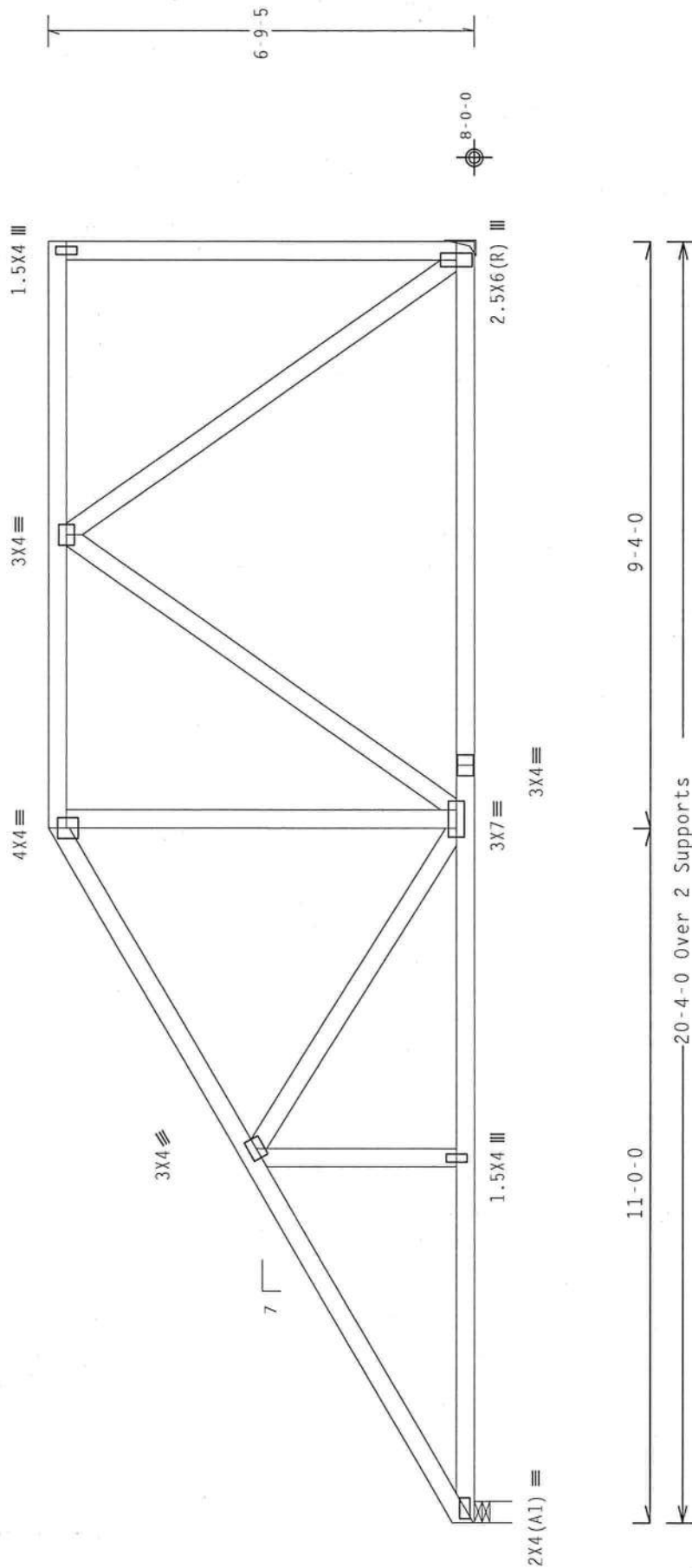
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpl(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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

MWFRS loads based on trusses located at least 7.50 ft. from roof edge.



R=852 U=49 W=4"
RL=148/-34

R=839 U-106 H=Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)X0 min. (H)

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)
 $FT/RT=10\%(0\%)/0(0)$

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

Scale = .375"/ft.

TC LL	20.0	PSF	REF	R8228 -	26627
TC DL	10.0	PSF	DATE	07/16/09	
BC DL	10.0	PSF	DRW	HCUSR8228	09197081
BC LL	0.0	PSF	HC-ENG	JB/DF	
TOT.LD.	40.0	PSF	SEQN-	35364	
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		JREF-	1TTE8228	Z04

[illegible]

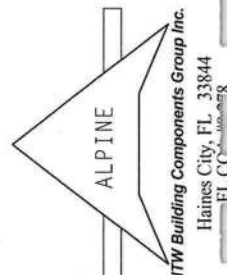
IMPORTANT: THE INSTALLATION CONTRACTOR SHALL NOT BE RESPONSIBLE FOR ANY VIOLATION OF THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING OR BRACING OF TRUSSES.

DESIGN COMPLIES WITH ALL APPLICABLE PROVISIONS OF AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION), INC. NATIONAL DESIGN SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS AND PERmissible PER DRAGGERS 160A-2.

PLATES TO EACH FACE OF TRUSSES AND UNLESS OTHERWISE LOCATED ON THIS DESIGN SECTION.

IF ANY INSPECTION OF PLATES FOLLOWED BY TYPICAL PER AMER A3 OF TP11-2002 SEC. 3.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE



ITW Building Components Group Inc.
Haines City, FL 33844
FL COMM 000078

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.

Deflection meets 1/240 live and 1/180 total load

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.

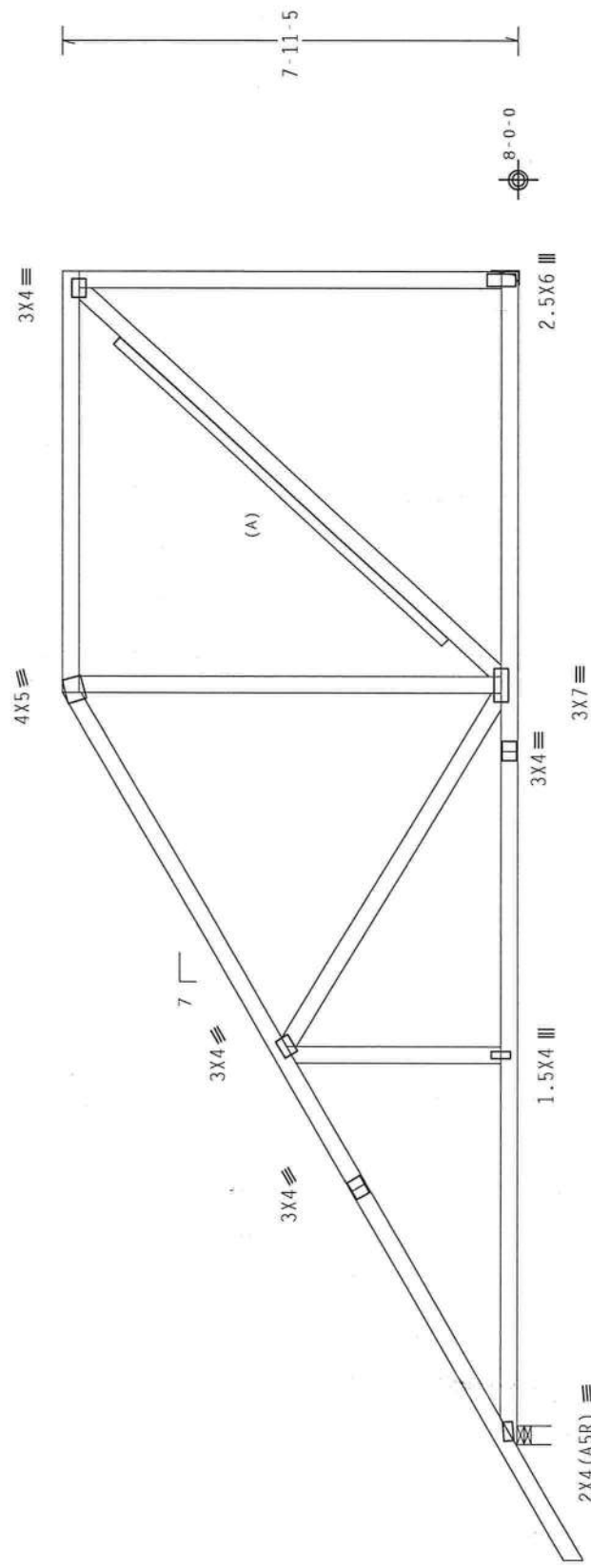
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

(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.

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



2-0-0

13-0-0

-20-4-0 Over 2 Supports

R=995 U=0 W=4"
RL=135/-70

R-832 U=70 H=Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2X0 min. (H)

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

Scale = .3125" / Ft.

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

00 CLASS FLEA

9.02.

$$1\% (0\%) / 0 (0)$$
 $FT/RT=10$

Design Unit.

200

1

p. Wave

PLT TYF

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING CONSTRUCTION INFORMATION, PUBLISHED BY PTI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND AISC (4000 TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE 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-1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGNER'S COMMENTS:
THIS TRUSS IS IDENTICAL TO THE TRUSS SHOWN ON NATIONAL DESIGN SPECIFIC BY AFAPA) AND TPI-1. ITW BCG HAS DESIGNED COMPOUND WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPECIFIC BY AFAPA) AND TPI-1. PLATES TO EACH FACE OF TRUSSES AND UNLESS OTHERWISE LOCATED ON THIS DESIGN POSITION PER DRAWINGS FORM 2. ANY INSPECTION OF PLATES FOLLOWED BY 1) SHALL BE PER ANNEX A OF TPI-1 2002 SEC. 3.
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ALPINE

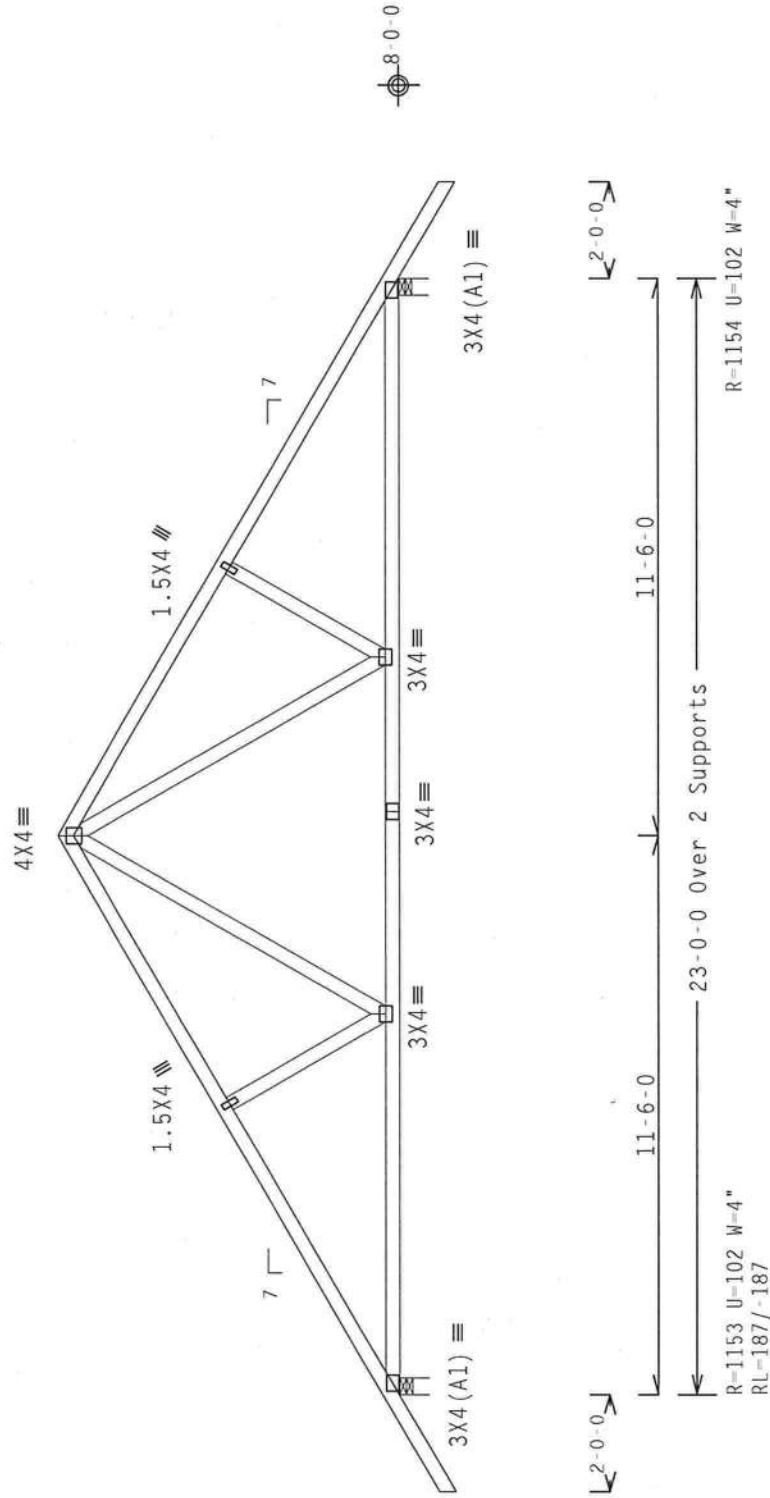
ITW Building Components Group Inc.
Haines City, FL 33844
FL CO 33844-7878

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

Wind reactions based on MWFRS pressures.

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=10%(0%) / 0(0)

QTY:10 FL/-/4/-/-/R/-
Scale = .25"/Ft.

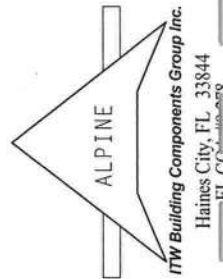
TC LL	20.0 PSF	REF	R8228- 26630
TC DL	10.0 PSF	DATE	07/16/09
BC DL	10.0 PSF	DRW	HCU8R8228 09197020
BC LL	0.0 PSF	HC-ENG	JB/DF *
TOT.LD.	40.0 PSF	SEQN-	34577
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TTE8228Z04



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPJ (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND UFGA (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 PROPERLY ATTACHED RIGID CING.

[illegible]

PLOT TYP. Wave



ITW Building Components Group Inc.
Haines City, FL 33844

(9-152--ErKinger Home Builders Burnham --, ** - C3)

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.

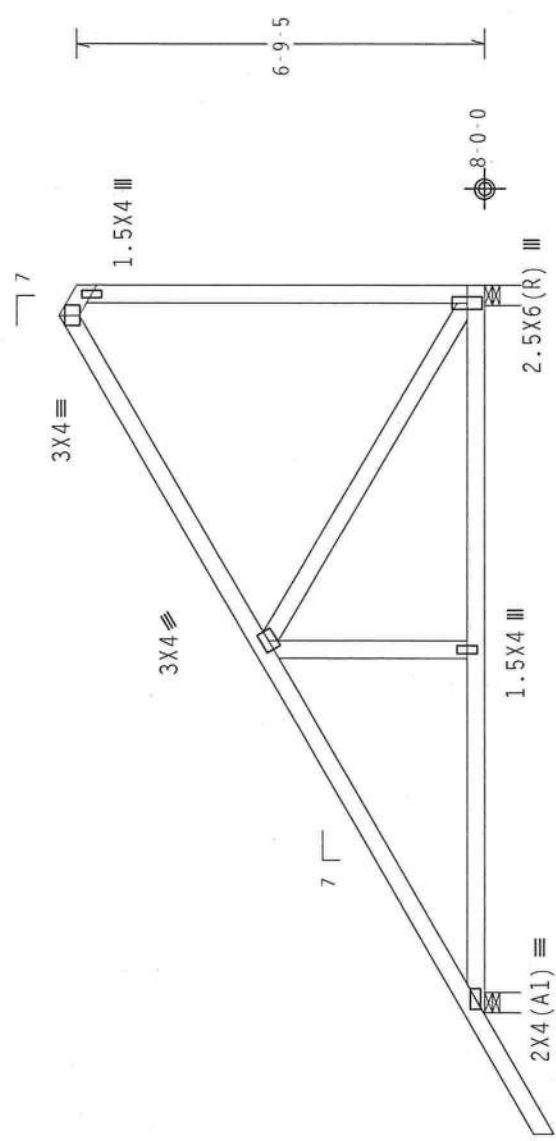
Deflection meets L/240 live and L/180 total load.

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 B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 Gcpi(+/-)-0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.



12'-0-0" over 2 supports

R=654 U=0 W=4"

RL=122/-69

11'-6-0"

6'-9-5"

2'-0-0"

R=480 U=18 W=4"

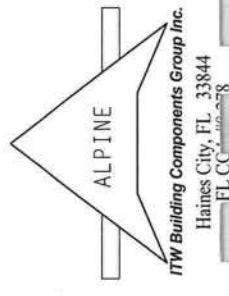
Design Crit: FBC2007Res/TPI-2002 (STD)

PLT TYP. Wave	9.02.00	QTY: 1	FL/-4/-/-/R/-	Scale = .3125"/Ft.
REF R8228- 26631	TC LL	20.0 PSF		
DATE 07/16/09	TC DL	10.0 PSF		
DRW HCUSR8228 09197021	BC DL	10.0 PSF		
HC-ENG JB/DF	BC LL	0.0 PSF		
SEQN- 34581	TOT.LD.	40.0 PSF		
FROM AH	DUR.FAC.	1.25		
JREF- 1TIE8228Z04	SPACING	24.0"		



****WARNING**** TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RESI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) 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 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. ITW BEG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ITW BEG CONNECTOR PLATES ARE MADE OF 2018/106A (MIL/SSK) ASH 6053 GRADE 40/60 (W, X/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. ITW BEG TRUSS PLATING IS MADE OF 2018/106A (MIL/SSK) ASH 6053 GRADE 40/60 (W, X/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. ITW BEG TRUSS PLATING IS MADE OF 2018/106A (MIL/SSK) ASH 6053 GRADE 40/60 (W, X/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. ITW BEG TRUSS PLATING IS MADE OF 2018/106A (MIL/SSK) ASH 6053 GRADE 40/60 (W, X/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2.



(**) 2 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 B. Wind TC DL=5.0 psf, Wind BC DL=5.0 psf. Iw=1.00 GCPI(+/-)-0.18

Wind reactions based on MWFRS pressures.

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

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

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

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

Roof overhang supports 2.00 psf soffit load.

Gable end supports 8" max rake overhang.

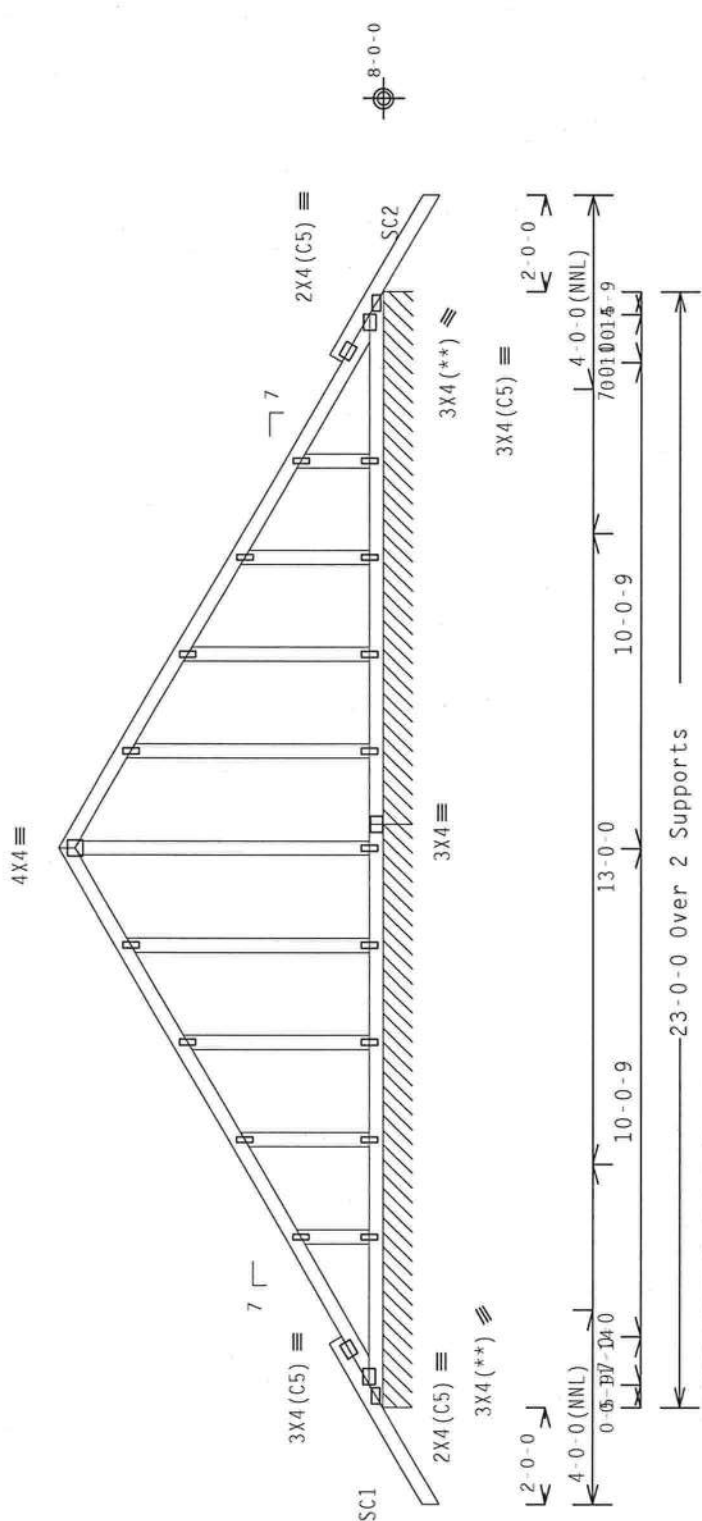
See DWGS A11015050109 & GBLLETIN0109 for more requirements.

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

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



R-166 PLF U-14 PLF W-12-0-0
RL-24/-24 PLF

Note: All Plates Are 1.5X4 Except As Shown.

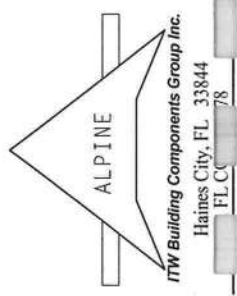
Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave	QTY:1	FL/-4/-/-R/-	Scale = .25" /Ft.
 ITW Building Components Group Inc. Haines City, FL 33844 FLC000			



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RES (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, MI 48071) 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. THE 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 A BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFPA) AND IPT. THE BCG CORRELATION PLATES ARE MADE OF 20/10/10GA (20/10/10GA) ASTM A653 GRADE 40/60 (40/60) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY THE BCG SHALL BE THE RESPONSIBILITY OF THE TRUSS COMPONENT DESIGNER. THE SUFFICIENCY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

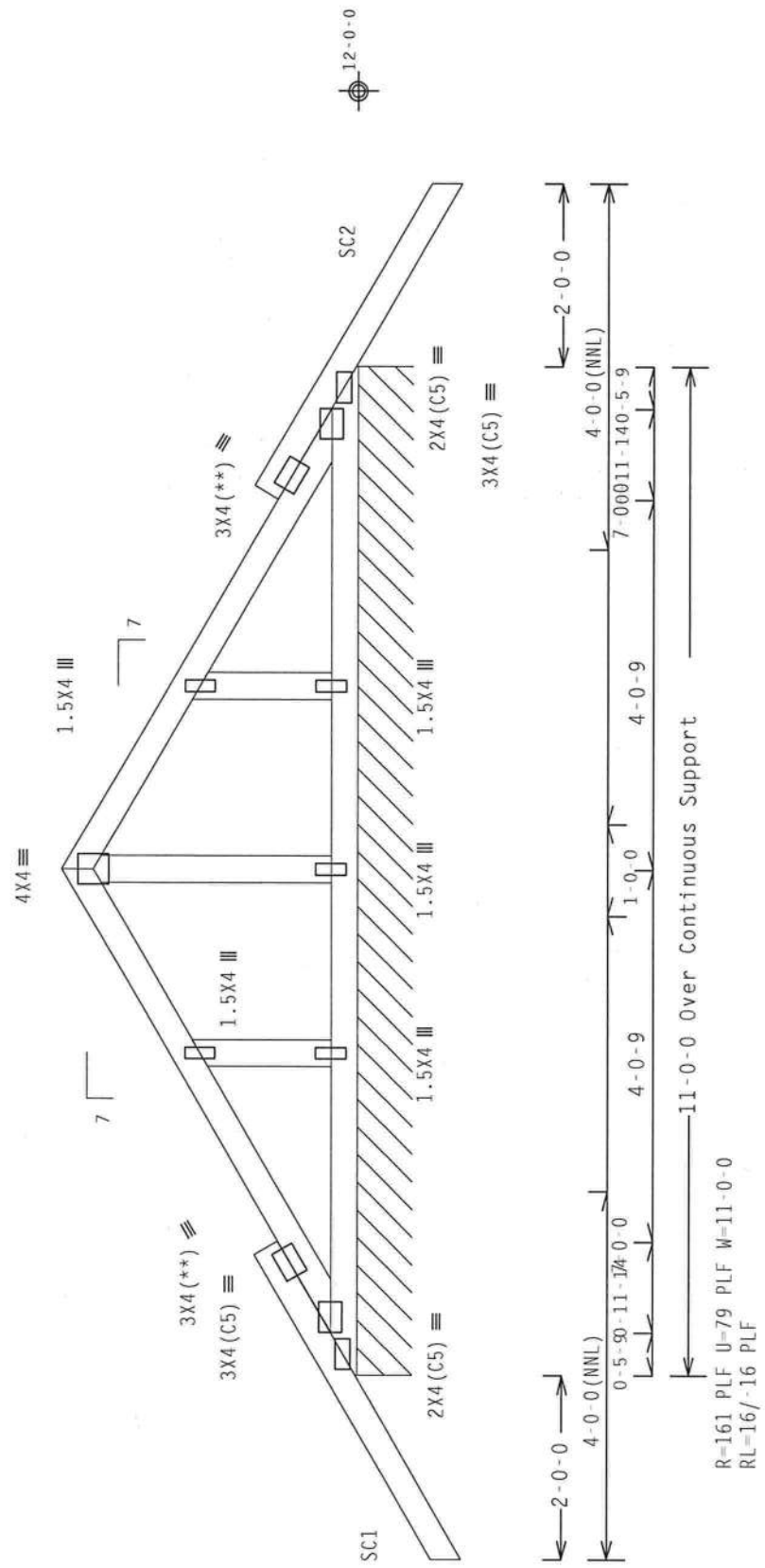


Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Stack Chord SC1 2x4 SP #2 Dense::Stack Chord SC2 2x4 SP #2 Dense:
Roof overhang supports 2.00 psf soffit load.

See DWGS A140G020109 & A140G020109 for more requirements.
Stacked top chord must NOT be notched or cut in area (NNL). Attach
using 3x4 tie-plates 24" o.c. Center plate on stacked/dropped
chord interface, plate length perpendicular to chord length.
Splice top chord in notched area using 3x6.

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

(**) 2 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, PART-ENC. bldg.
located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind
BC DL=5.0 psf, IW=1.00 GCpl(+/-)=0.55
Wind reactions based on MWFRS pressures.
In lieu of structural panels use purlins to brace TC @ 24" OC.
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=10%(0%) 0(0)

PLT TYP. Wave	QTY:1	FL/-/4/-/-/R/-	Scale = .5"/Ft.
ALPINE	TC LL	20.0 PSF	REF R8228- 26634
RTW Building Components Group Inc.	TC DL	10.0 PSF	DATE 07/16/09
Haines City, FL 33844	BC DL	10.0 PSF	DRW HCUSR8228 09197085
FL 33844	BC LL	0.0 PSF	HC-ENG JB/DF
	TOT.LD.	40.0 PSF	SEQN- 34596
	DUR.FAC.	1.25	FROM AH
	SPACING	24.0"	JREF- 1TTE8228Z04



****WARNING**** TRUSSES REQUIRING EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RESI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 216 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WEA (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 AND BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI1. 11W BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (M-H/SS/K) ASTM A653 GRADE 40/60 (4. P/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AIA/PA 3.3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AIA/PA 1 SEC. 2.

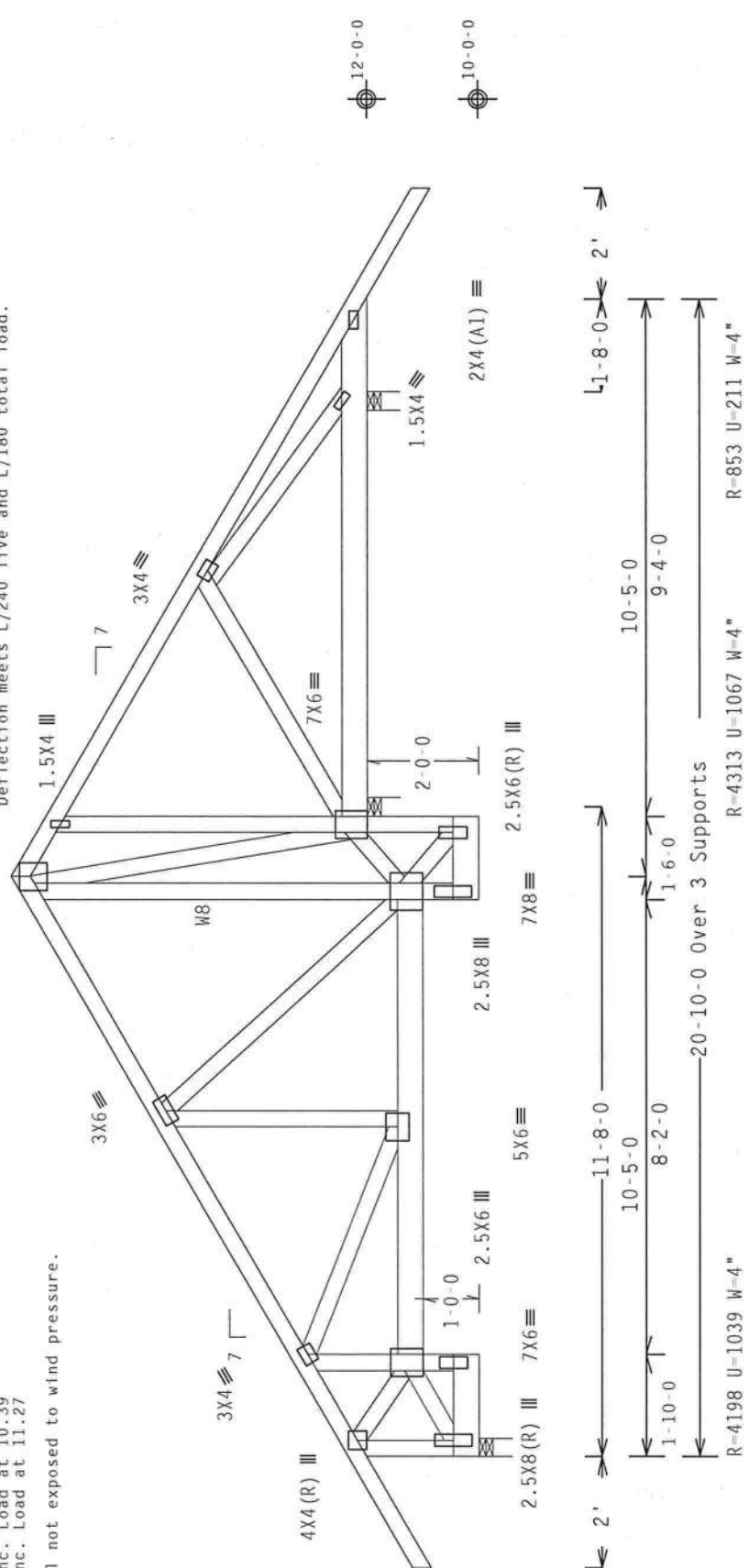
Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3 :W8 2x4 SP #2 Dense:

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0-131"x3" Gun_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @4.50" o.c.
Webs: 1 Row @4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.
4" o.c. spacing of nails perpendicular and parallel to grain required in area over bearings greater than 4"
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, PART-ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCpl(+/-)=0.55
Wind reactions based on MWFRS pressures.
Roof overhang supports 2.00 psf soffit load.
Deflection meets L/240 live and L/180 total load.

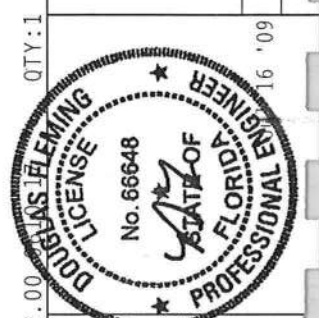
SPECIAL LOADS
----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at -2.00 to 63 PLF at 10.42
BC - From 63 PLF at 10.42 to 63 PLF at 22.83
BC - From 5 PLF at -2.00 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 1.83
BC - From 20 PLF at 1.83 to 20 PLF at 10.00
BC - From 20 PLF at 10.00 to 20 PLF at 11.50
BC - From 20 PLF at 11.50 to 20 PLF at 20.83
BC - From 5 PLF at 20.83 to 5 PLF at 22.83
BC - 1219 LB Conc. Load at 0.40
BC - 1081 LB Conc. Load at 2.39
BC - 1002 LB Conc. Load at 4.39
BC - 1054 LB Conc. Load at 6.39
BC - 1003 LB Conc. Load at 8.39
BC - 1006 LB Conc. Load at 10.39
BC - 995 LB Conc. Load at 11.27

Left end vertical not exposed to wind pressure.

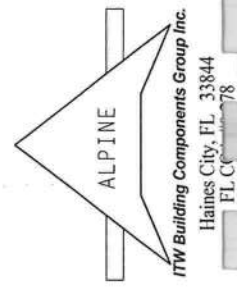


Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

QTY: 1	FL / - / 4 / - / - / R / -	Scale = .3125" / Ft.
TC LL	20.0 PSF	REF R8228- 26635
TC DL	10.0 PSF	DATE 07/16/09
BC DL	10.0 PSF	DRW HCUSR8228 09197086
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN- 35506
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TTE8228204



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE TRUSS CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE TRUSS CONTRACTOR. THE TRUSS CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE TRUSS CONTRACTOR. THE TRUSS CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE TRUSS CONTRACTOR.



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

Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

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

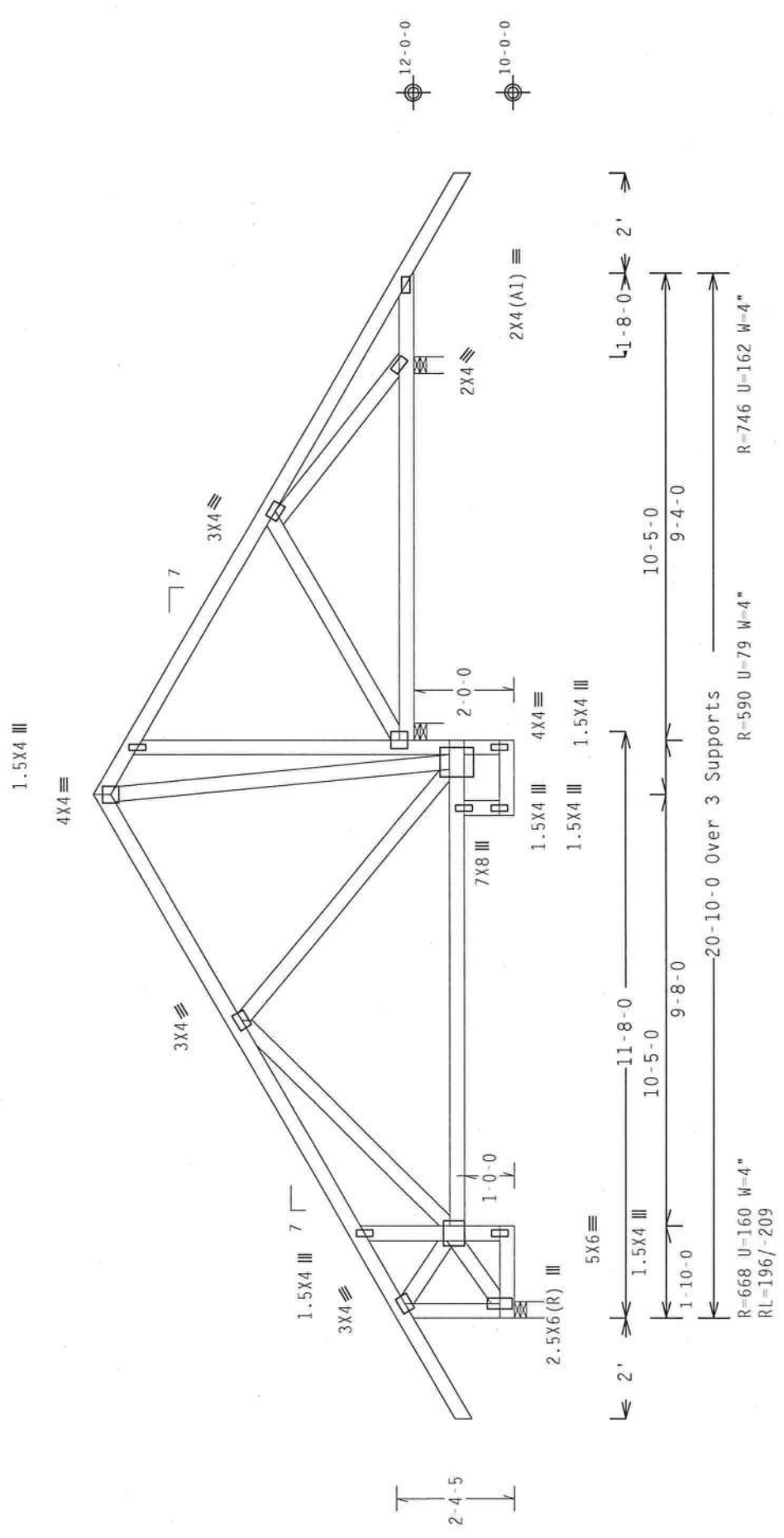
Laterally brace chord above/below filler @ 24" O.C. (or as designed) including a brace on chord directly above/below both ends of filler (if no rigid diaphragm exists at that point)

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, PART-ENC. bldg. not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI (+/-)=0.55

Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

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



Design Crit: FBC2007Res/TPI-2002 (STD)

PLT TYP. Wave

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FLC 178

Scale = .3125" / Ft.

QTY: 1

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

TC LL 20.0 PSF

TC DL 10.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TOT.LD. 40.0 PSF

DUR.FAC. 1.25

SPACING 24.0"

REF R8228- 26636

DATE 07/16/09

DRW HCUSR8228 09197087

HC-ENG JB/DF

SEQN - 35469

FROM AH

JREF- 1TTE8228Z04

DOUGLAS FLEMING
LICENSE
No. 66648
FLORIDA
PROFESSIONAL ENGINEER

16 '09

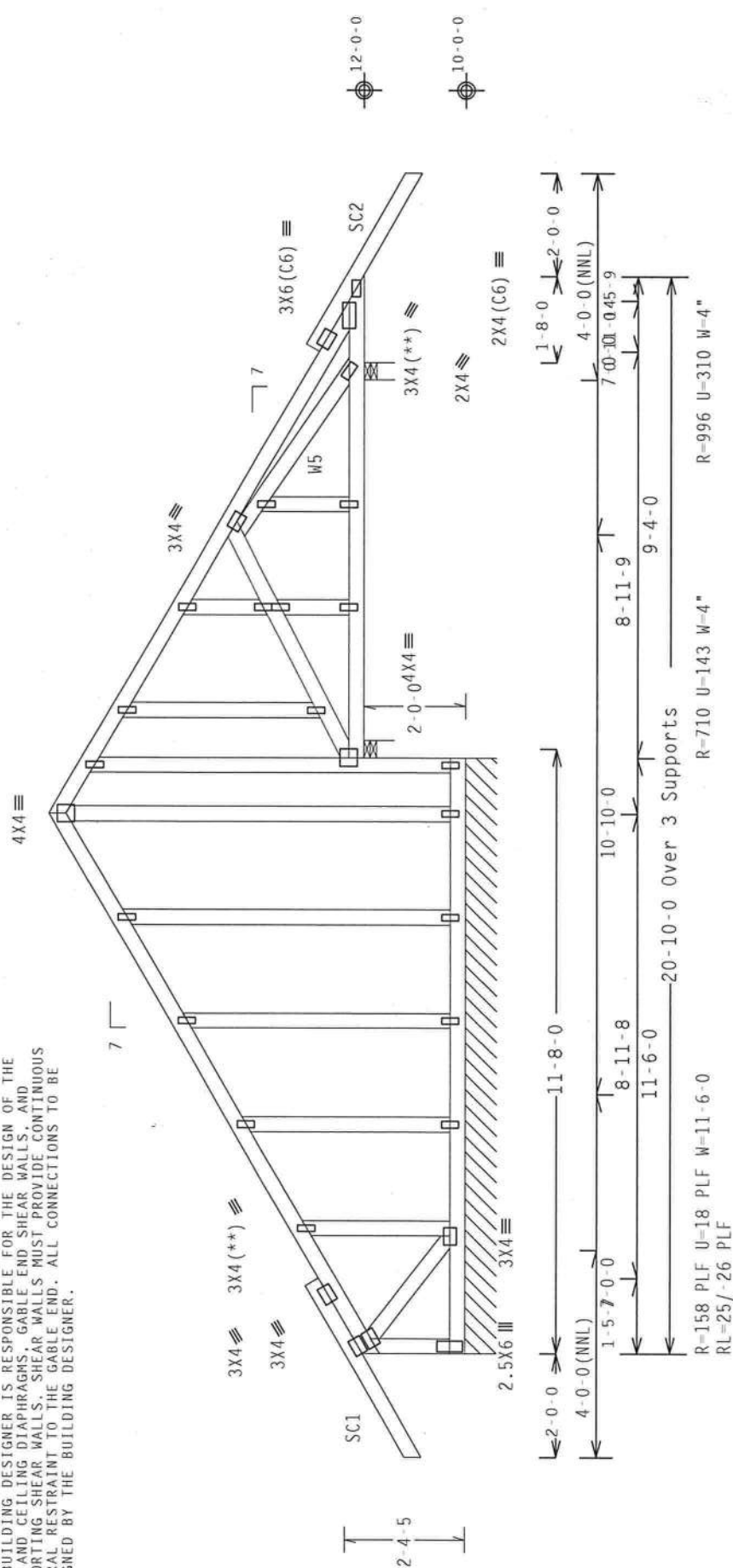
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 BOUTWELL STREET, SUITE 312, ALBANY, NY 12204-1000, FOR ADDITIONAL INFORMATION. THESE TRUSSES ARE DESIGNED TO PERFORM 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/P&A) AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/16GA (40/55/RS) ASTM A653 GRADE 40/60 (N, K/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. AN 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 BEING SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

(**) 2 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, PART-ENC. bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCpl(+/-)-0.55
Wind reactions based on MWFRS pressures.
Gable end supports 8" max rake overhang.
Stacked top chord (SC) to be notched or cut in area (NNL). Attach using 3x4 tie-plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length.
Splice top chord in notched area using 3x6.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W5 2x4 SP #2 Dense:
:Stack Chord SC1 2x4 SP #2 Dense:Stack Chord SC2 2x4 SP #2 Dense:
Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.
Roof overhang supports 2.00 psf soffit load.
See DWGS A140G020109 & A140G020109 for more requirements.
In lieu of structural panels use purlins to brace TC @ 24" OC.
Bottom chord checked for 10.00 psf non-concurrent live load.
Deflection meets L/240 live and L/180 total load.

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



Note: All Plates Are 1.5x4 Except As Shown.
Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

QTY:1

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

Scale = .3125" / Ft.

REF R8228- 26637

DATE 07/16/09

DRW HCUSR8228 09197088

HC-ENG JB/DF

SEQN- 35479

FROM AH

JREF- 1TTE8228Z04

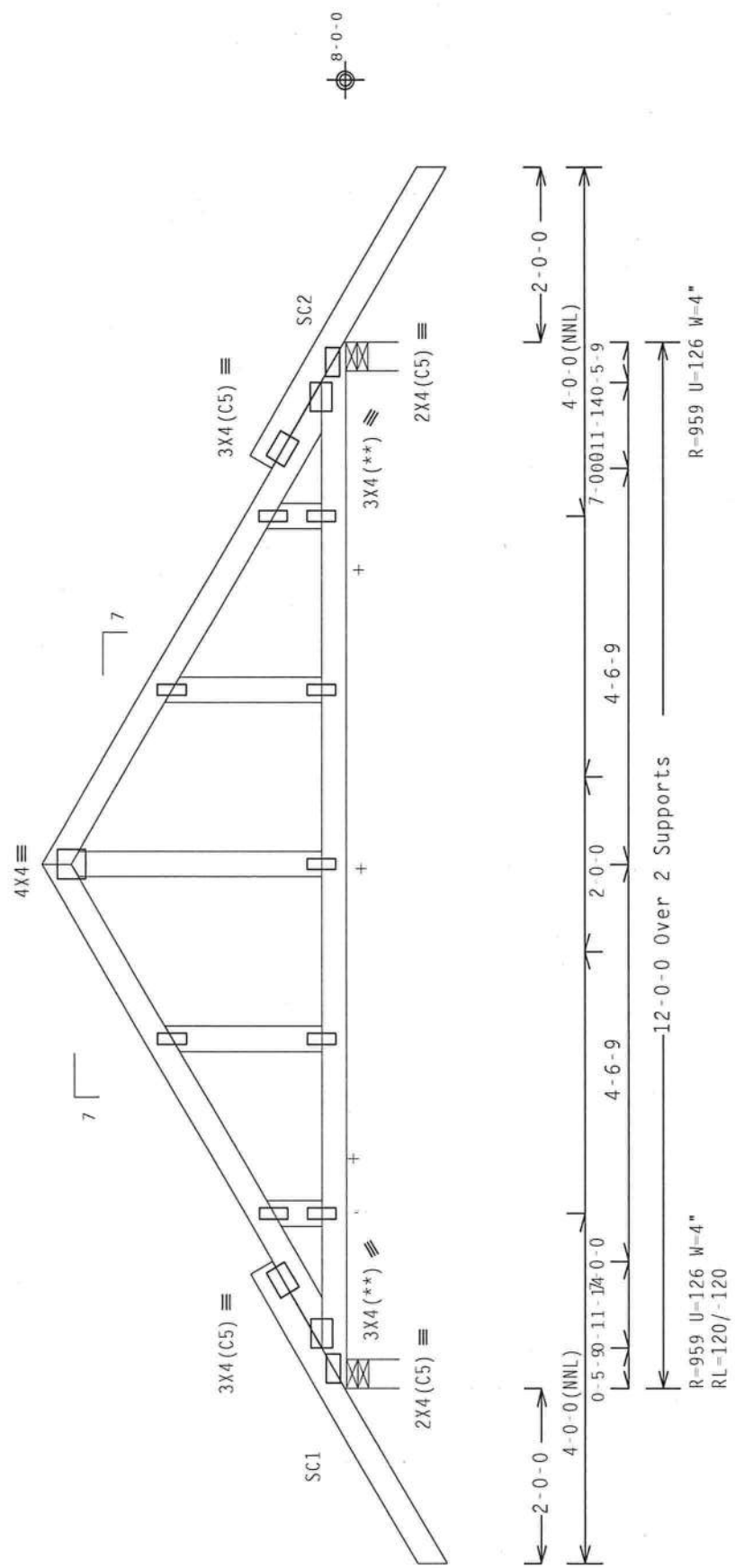
(9-152)--Erkinger Home Builders Burnham --, ** - F-GE)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Stack Chord SC1 2x4 SP #2 Dense::Stack Chord SC2 2x4 SP #2 Dense:
Roof overhang supports 2.00 psf soffit load.
Gable end supports 8" max rake overhang.
See DWGS A140GC020109 & A140GS020109 for more requirements.
Bottom chord checked for 10.00 psf non-concurrent live load.
Deflection meets L/240 live and L/180 total load.

+ MEMBER TO BE LATERALLY BRACED FOR OUT OF PLANE WIND LOADS.
BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.

(**) 2 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, PART-ENC. bldg.
Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind
BC DL=5.0 psf, lw=1.00 GCpi(+/-)=0.55
Wind reactions based on MWFRS pressures.
Stacked top chord must NOT be notched or cut in area (NNL). Attach
stacked top chord (SC) to dropped top chord in notched area
using 3x4 tie-plates 24" o.c. Center plate on stacked/dropped
chord interface, plate length perpendicular to chord length.
Splice top chord in notched area using 3x6.

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



Note: All Plates Are 1.5X4 Except As Shown.
Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0) 9.02.00

PLT TYP. Wave

Scale = .5"/Ft.



TC LL	20.0 PSF	REF	R8228 - 26638
TC DL	10.0 PSF	DATE	07/16/09
BC DL	10.0 PSF	DRW	HCUSR8228 09197089
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN	34611
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF	1TTE8228Z04

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL 00000078

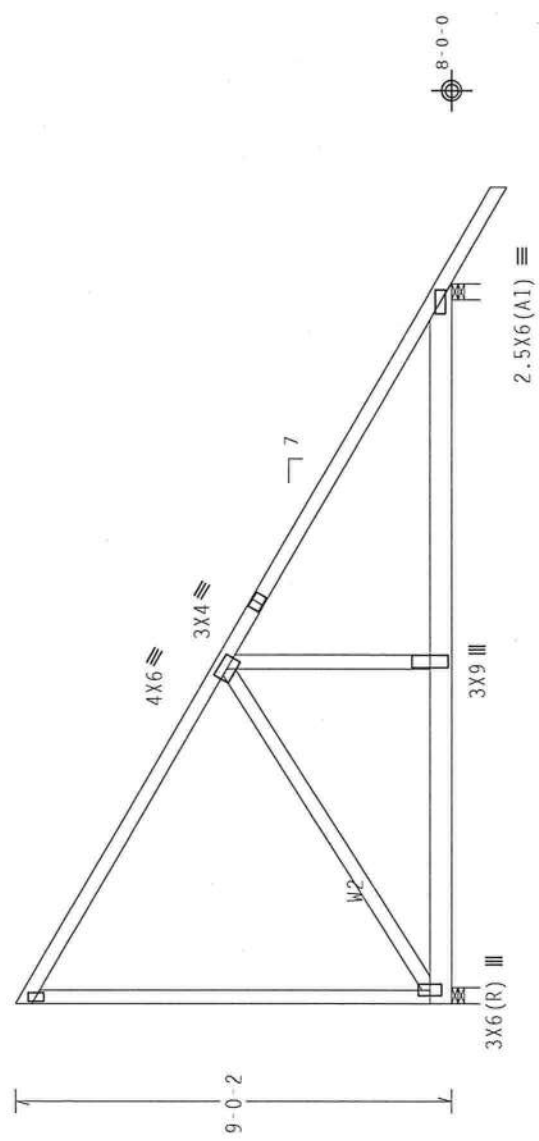
Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3 : W2 2x4 SP #2 Dense:

SPECIAL LOADS
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at 0.00 to 63 PLF at 16.83
BC - From 20 PLF at 0.00 to 20 PLF at 14.83
BC - From 5 PLF at 14.83 to 5 PLF at 16.83
BC - 832 LB Conc. Load at 1.77 5.77
BC - 839 LB Conc. Load at 3.77 5.77
BC - 1731 LB Conc. Load at 7.77

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 B, wind tc DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCpl(+/-)=0.18

Left end vertical not exposed to wind pressure.

2X4 III



2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @5.25" o.c.
Webs: 1 Row @4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Full Height Blocking reinforcement required to prevent buckling of members over the bearings: bearing 1 located at 0.00'

Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

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

14-10-0 Over 2 Supports
R=3280 U=341 W=4"
R-2330 U=269 W=4"

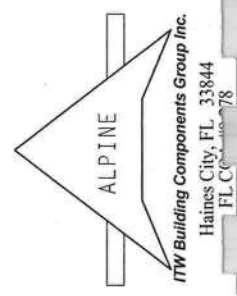
Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave	QTY: 1	FL / - / 4 / - / - / R / -	Scale = .25" / Ft.
	TC LL	20.0 PSF	REF R8228 - 26639
	TC DL	10.0 PSF	DATE 07/16/09
	BC DL	10.0 PSF	DRW HCUSR8228 0917090
	BC LL	0.0 PSF	HC-ENG JB/DF
	TOT.LD.	40.0 PSF	SEQN - 35379
	DUR.FAC.	1.25	FROM AH
	SPACING	24.0"	JREF - 1TTE8228Z04



WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE USER SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE USER. THE USER SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENTS. THE USER SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENTS. THE USER SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENTS.

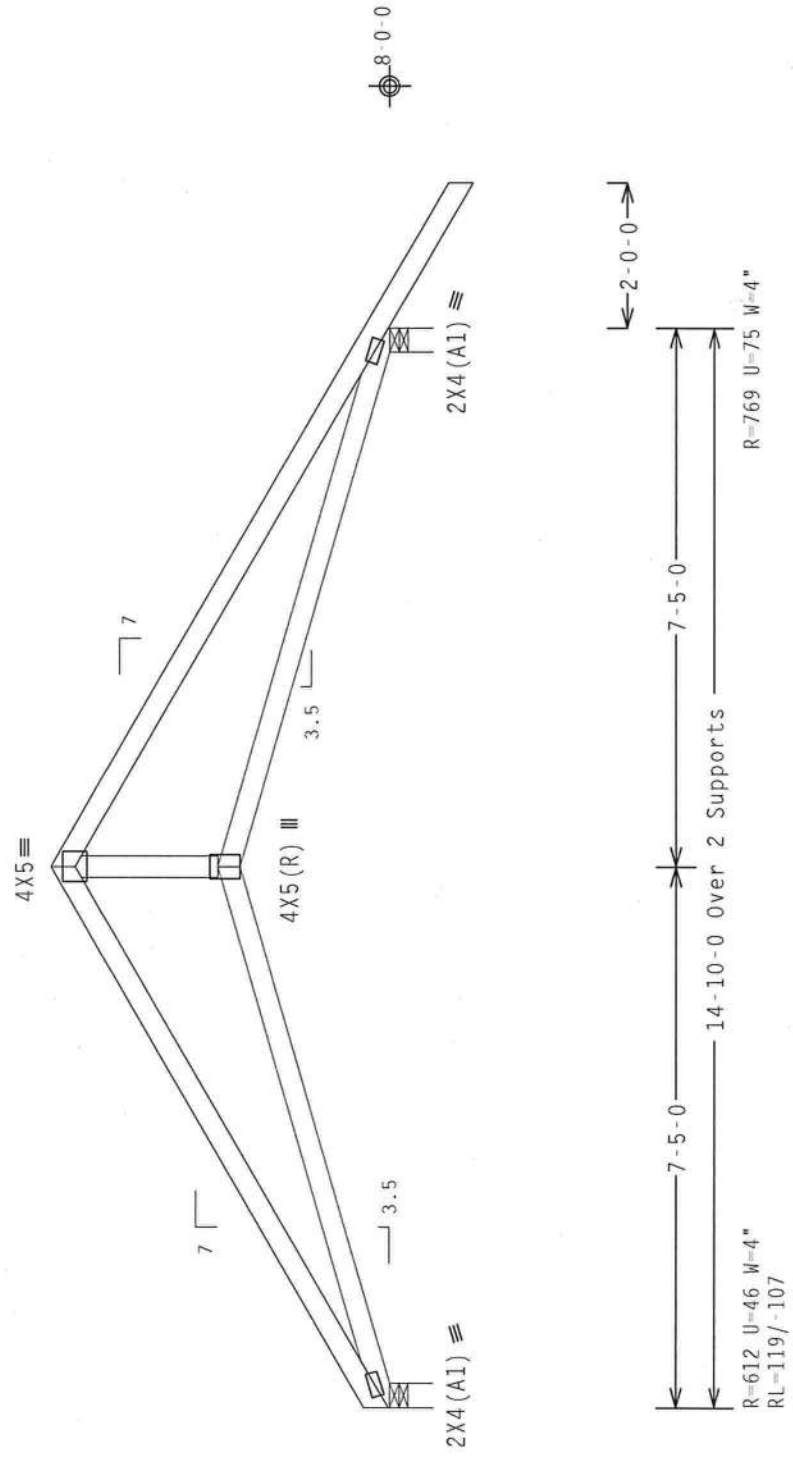
IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE USER. THE USER SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENTS.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



110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G C p i (+/-)=0.18$

Wind reactions based on MWFRS pressures.

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

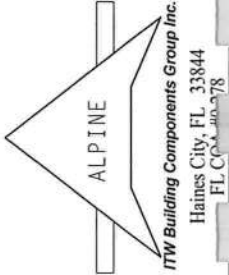
Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

QTY: 2	FL / - / 4 / - / - / R / -	Scale = .375" / Ft.
DOUBLE FLEMING LICENSE No. 66648 DATE 07/16/09 FLORIDA PROFESSIONAL ENGINEER	TC LL 20.0 PSF TC DL 10.0 PSF BC DL 10.0 PSF BC LL 0.0 PSF TOT. LD. 40.0 PSF	REF R8228 - 26640 DATE 07/16/09 DRW HCUSR8228 09197052 HC-ENG JB/DF SEQN- 35381
	DUR. FAC. 1.25	FROM AH
	SPACING 24.0"	JREF- 1TTE8228Z04

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN Erection, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION PUBLISHED BY THE TRUSS PLATE INSTITUTE, 730 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, OR 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. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP-1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING OR BRACING OF TRUSSES.

DESIGN COMPLIANTS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TP-1. CONNECTOR PLATES ARE MADE OF 2017/18GA ALUMINUM ASH A653 GRADE 40/60 (N, K/JH/S5) GALV. STEEL. ALL PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITIONED PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AREA X OF TP-1 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMS/TP-1 SEC. 2.



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

Left end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

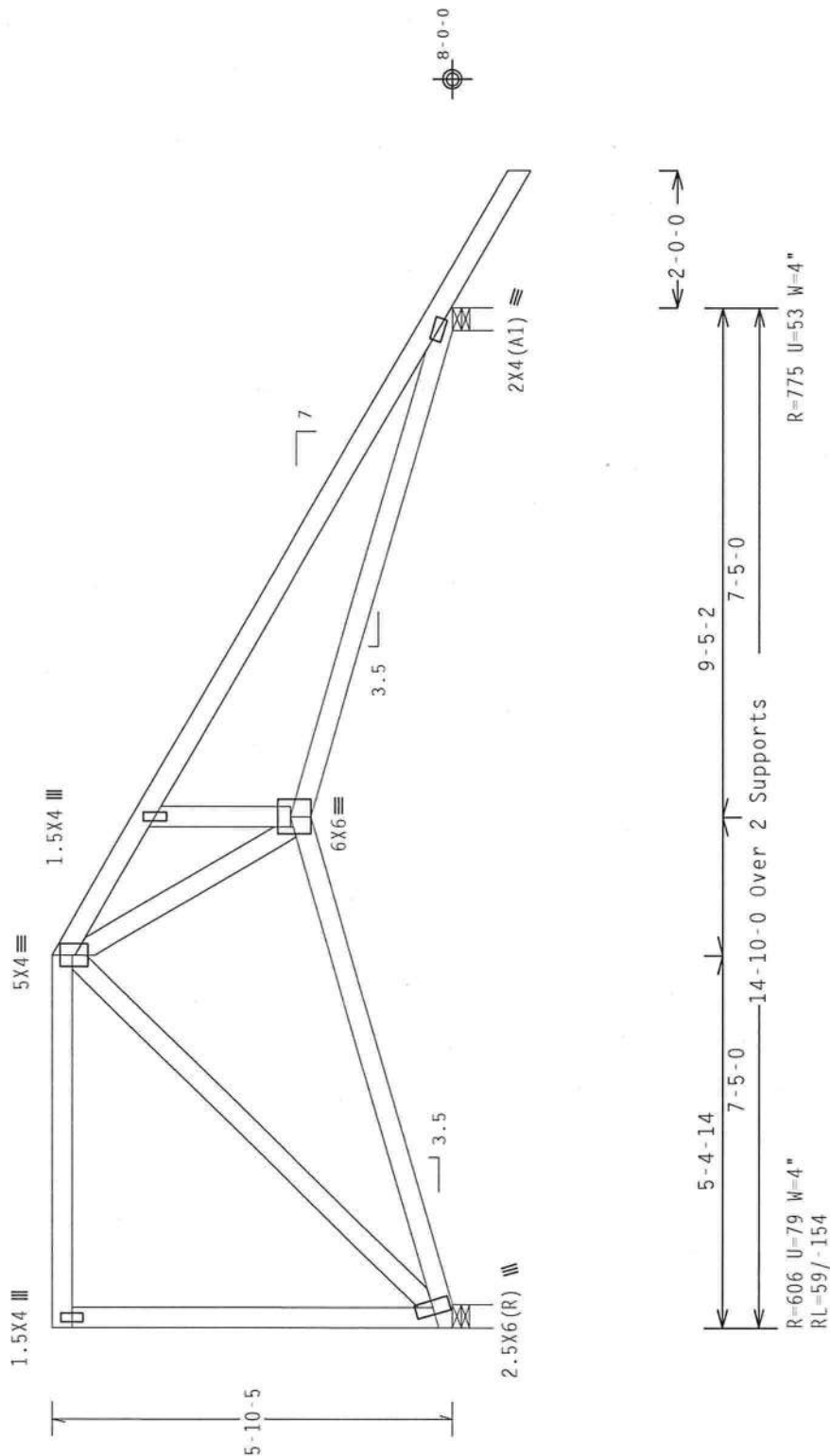
Bottom chord checked for 10.00 psf non-concurrent live load.

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 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCpl(+/-)-0.18

Wind reactions based on MWFRS pressures.

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

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



Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%) / O(0)

PLT TYP. Wave

Scale = .375"/Ft.

REF R8228- 26641

DATE 07/16/09

DRW HCUSR8228 0919709

HC-ENG JB/DF

SEQN 35383

FROM AH

JREF - 1TTE8228Z04

QTY: 1

FL / - / 4 / - / R / -

TC LL 20.0 PSF

TC DL 10.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TOT.LD. 40.0 PSF

DUR.FAC. 1.25

SPACING 24.0"

****WARNING**** TROUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TPOUSS PLATE INSTITUTE, 218 BORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND METCA (WOOD TPOUSS 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. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR THE PROPERLY FABRICATING AND INSTALLING THE TPOUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING OR BRACING OF TROUSSES. THE BCG DESIGN CONFORMS WITH APPLICABLE PROFESSIONS OF WOOD NATIONAL DESIGN SPEC, BY AIA/PAI AND TPI. THE BCG CONNECTOR PLATES ARE MADE OF 20/10/16GA (40/55/81) ASTM A653 GRADE 40/60 (4, 6/10, 55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TPOUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS BRACING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. ENGINEER FOR THE TPOUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ITW Building Components Group Inc.
Haines City, FL 33844
FL CCA-000-978

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

Left end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

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

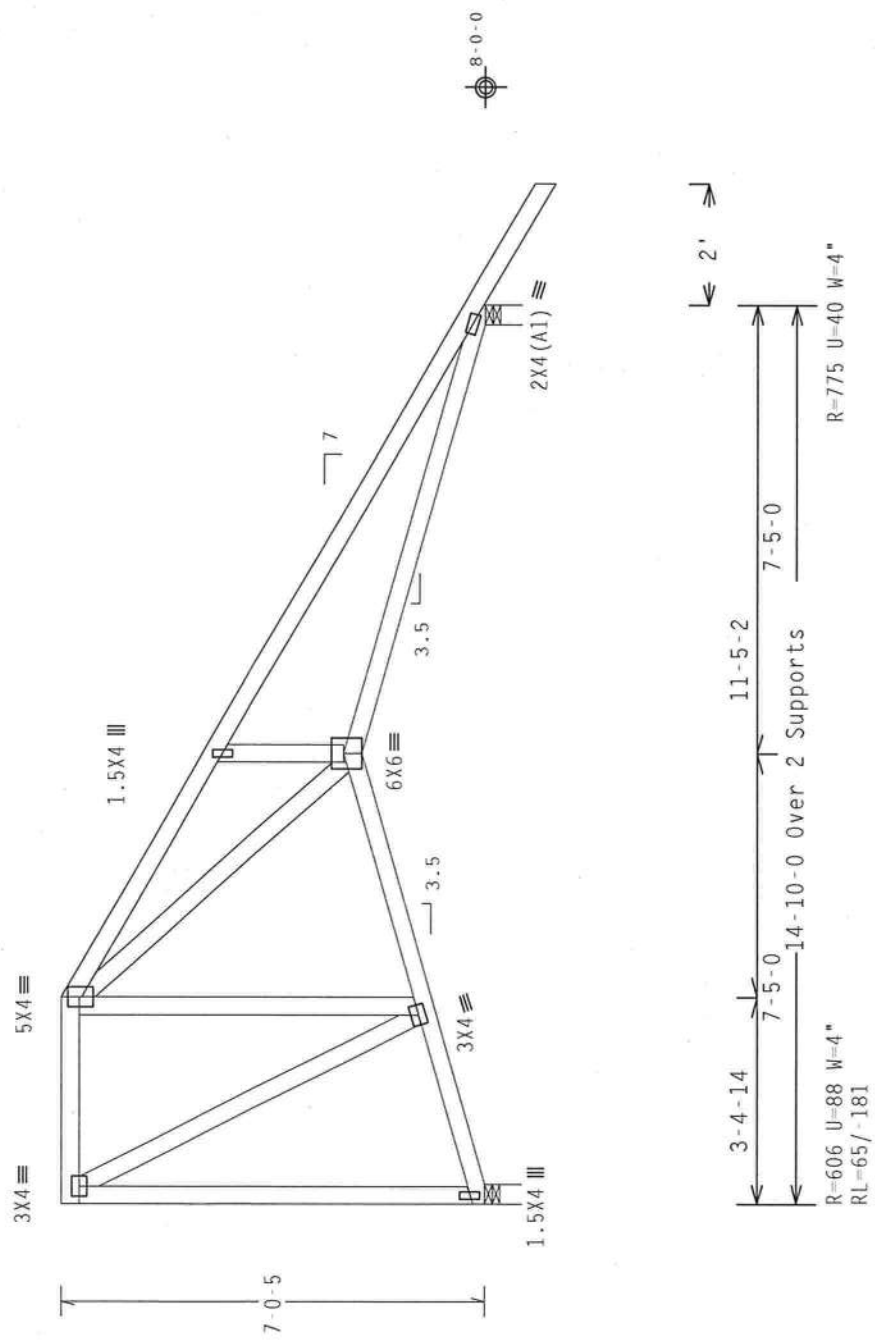
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

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 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCp1(+/-)=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=10%(0%)/0(0)

QTY: 1	FL / - / 4 / - / - / R / -	Scale = .3125" / Ft.
TC LL	20.0 PSF	REF R8228 - 26642
TC DL	10.0 PSF	DATE 07/16/09
BC DL	10.0 PSF	DRW HCUSR8228 09197092
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN - 35385
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF - 1TTE8228Z04



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE TRUSS MANUFACTURER. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS BEING USED IN THE BUILDING. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS BEING USED IN THE BUILDING. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS BEING USED IN THE BUILDING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE CONTRACTOR SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE TRUSS MANUFACTURER. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS BEING USED IN THE BUILDING. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS BEING USED IN THE BUILDING. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS BEING USED IN THE BUILDING.

ITW Building Components Group Inc.
Haines City, FL 33844
FLC 78

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

Left end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

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

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

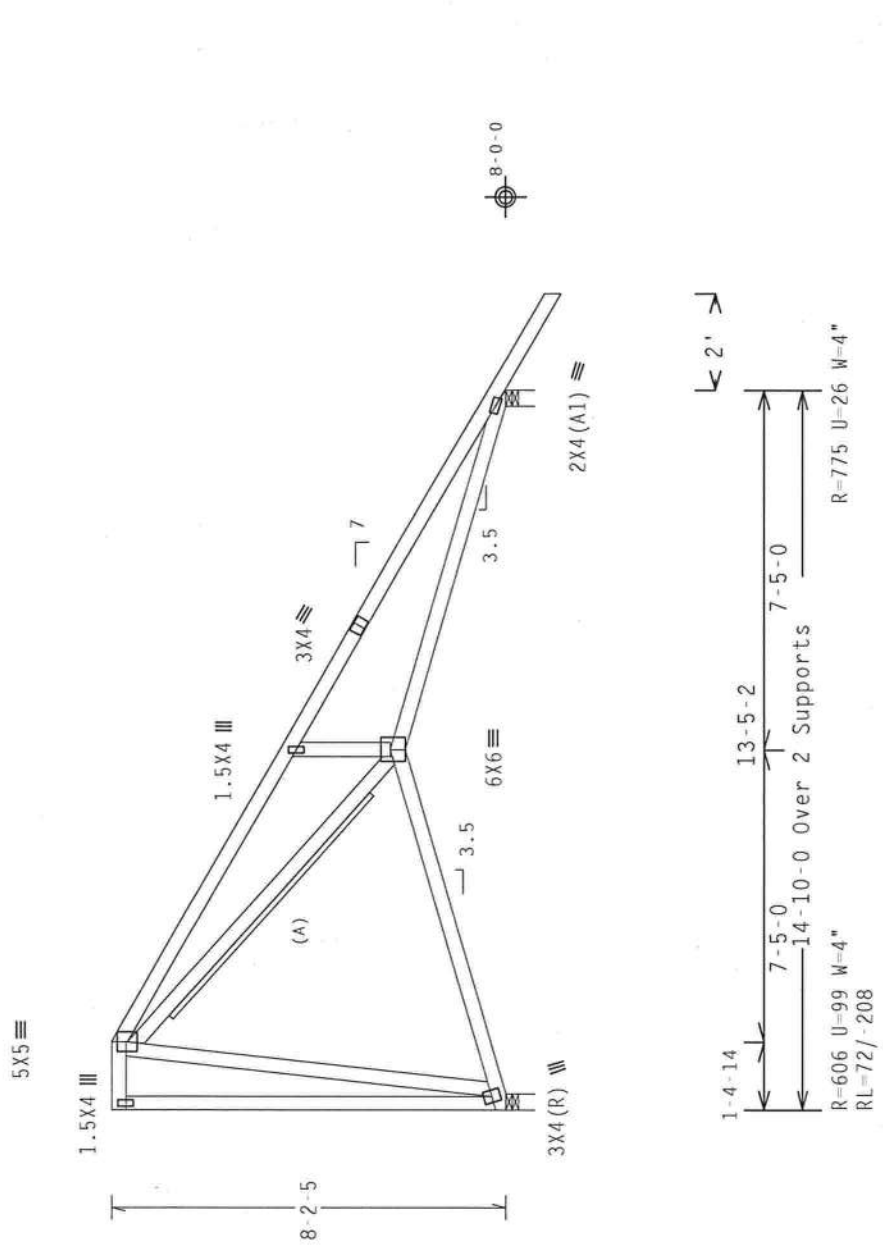
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCp1(+/-)=0.18

Wind reactions based on MWFRS pressures.

(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.

MWFRS loads based on trusses located at least 7.50 ft. from roof edge.



PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

Scale = .25"/Ft.

QTY: 1

TC LL	20.0 PSF	FL/-/4/-/-/R/-
TC DL	10.0 PSF	
BC DL	10.0 PSF	
BC LL	0.0 PSF	
TOT.LD.	40.0 PSF	
DUR.FAC.	1.25	
SPACING	24.0"	

REF R8228- 26643
DATE 07/16/09
DRW HCUSR8228 09197093
HC-ENG JB/DF
SEQN- 35393
FROM AH
JREF- 1TTE8228204

16 '09

DOUGLAS FLEMING
LICENSE
No. 66648
FLORIDA
PROFESSIONAL ENGINEER

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL CO# 46278

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSS (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTC (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI, 48719) 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. TPI 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 A BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/PDA) AND IPT. TPI BCG CONNECTION PLATES ARE MADE OF 2018/1876GA (4-N/55/7X) ASP 6053 GRADE 40/60 (4, 8/21-55) GALV. STEEL. APPLY PLATES TO EACH FACTOR OF THE TRUSS AND, UNLESS OTHERWISE NOTED ON THIS DESIGN, POSITION PER DRAWING. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE LIABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCpl(+/-)=0.18

Wind reactions based on MWFRS pressures.

Gable end supports 8" max rake overhang.

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

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

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

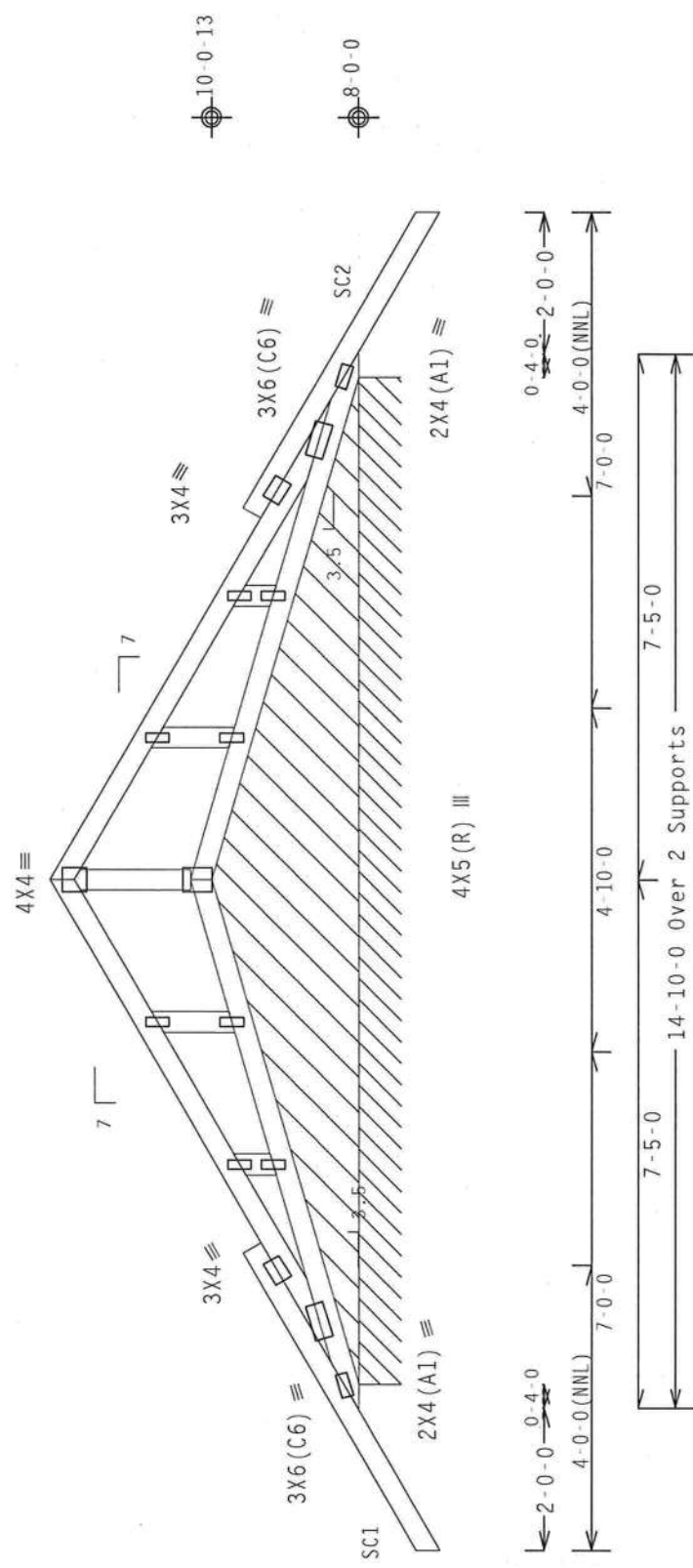
Roof overhang supports 2.00 psf soffit load.

See DWGS A11015050109 & GBLLETIN0109 for more requirements.

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

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

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



R=148 PLF U=9 PLF W=14-2-0
RL=9/9 PLF

Note: All Plates Are 1.5X4 Except As Shown.
Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

QTY: 1

FL / - / 4 / - / R / -

Scale = .375" / Ft.

TC LL	20.0 PSF	REF	R8228 - 26645
TC DL	10.0 PSF	DATE	07/16/09
BC DL	10.0 PSF	DRW	HCUSR8228 09197032
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN	35410
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF	1TTE8228Z04

DOUGLAS FLEMING
LICENSE
No. 66648
STATE OF FLORIDA
PROFESSIONAL ENGINEER

16 '09

WARNING TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCES (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 UNIVERSITY AVENUE, SUITE 100, DENVER, CO 80202) FOR MORE INFORMATION. UNLESS OTHERWISE SPECIFIED, 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. TPI REG., 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 AND BRACING OF TRUSSES.

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

CONNECTOR PLATES ARE MADE OF 20/18/16GA (9.4/5.5/3.8) ASTM A653 GRADE 40/60 (N, K/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANS/TP1 1 SEC. 2.

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FLC 00000078

(9-152--Erkinger Home Builders Burnham -- ** - J1)

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

Roof overhang supports 2.00 psf soffit load.

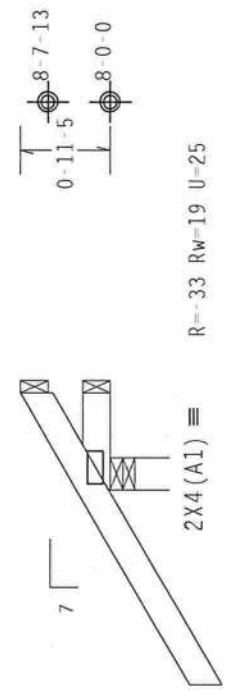
Bottom chord checked for 10.00 psf non-concurrent live load.

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 B, wind TC DL=5.0 psf, wind BC
DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

R=-114 Rw=43 U=81



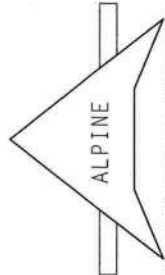
2X4 (A1) = R=33 Rw=19 U=25

1'-0-0 Over 3 Supports

R=366 U=74 W=4"

RL=40/-33

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%)/0 (0)

PLT TYP. Wave	 ITW Building Components Group Inc. Haines City, FL 33844 FLC 178	design crit. (discouraged) (1/1/2002-31/0)	FT/RT=10% (0%) / 0 (0)	9.02.00	QTY: 3	FL / - / 4 / - / - / R / -	Scale = .5" / Ft.
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO NCST1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPSS (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WIGA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, HAMILTON, WI 53159) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE SPECIFIED, ALL TRUSSES SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED FIELD CEILING.							
IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO PROPERTY OR PERSONS IN THE EVENT OF FAILURE OF THE TRUSS IN CONFORMANCE WITH THIS DESIGN. ITW BCG SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS IN CONFORMANCE WITH THIS DESIGN. THE TRUSS SHALL BE FABRICATED, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THIS NATIONAL DESIGN SPEC. (BY AIA/AS) AND TP1. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (4-H/55/P) ASTM A563 GRADE 40/60 (W, R/H,SS) GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANE A3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE SUFFICIENCY OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANS1/TP1 1 SEC. 2.							
				16 '09			
		DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER		16 '09			
		TC LL		20.0 PSF		REF R8228- 26646	
		TC DL		10.0 PSF		DATE 07/16/09	
		BC DL		10.0 PSF		DRW HCUSR8228 09197037	
		BC LL		0.0 PSF		HC-ENG JB/DF	
		TOT.LD.		40.0 PSF		SEQN- 34613	
		DUR.FAC.		1.25		FROM AH	
		SPACING		24.0"		JREF- 1TTE8228Z04	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 HOPKINS STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND WCA (WOOD TRUSS CONSTRUCTION ASSOCIATION, 6500 KENNEDY AVENUE, SUITE 100, FORT WORTH, TX 76116) FOR THE LATEST RECOMMENDATIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

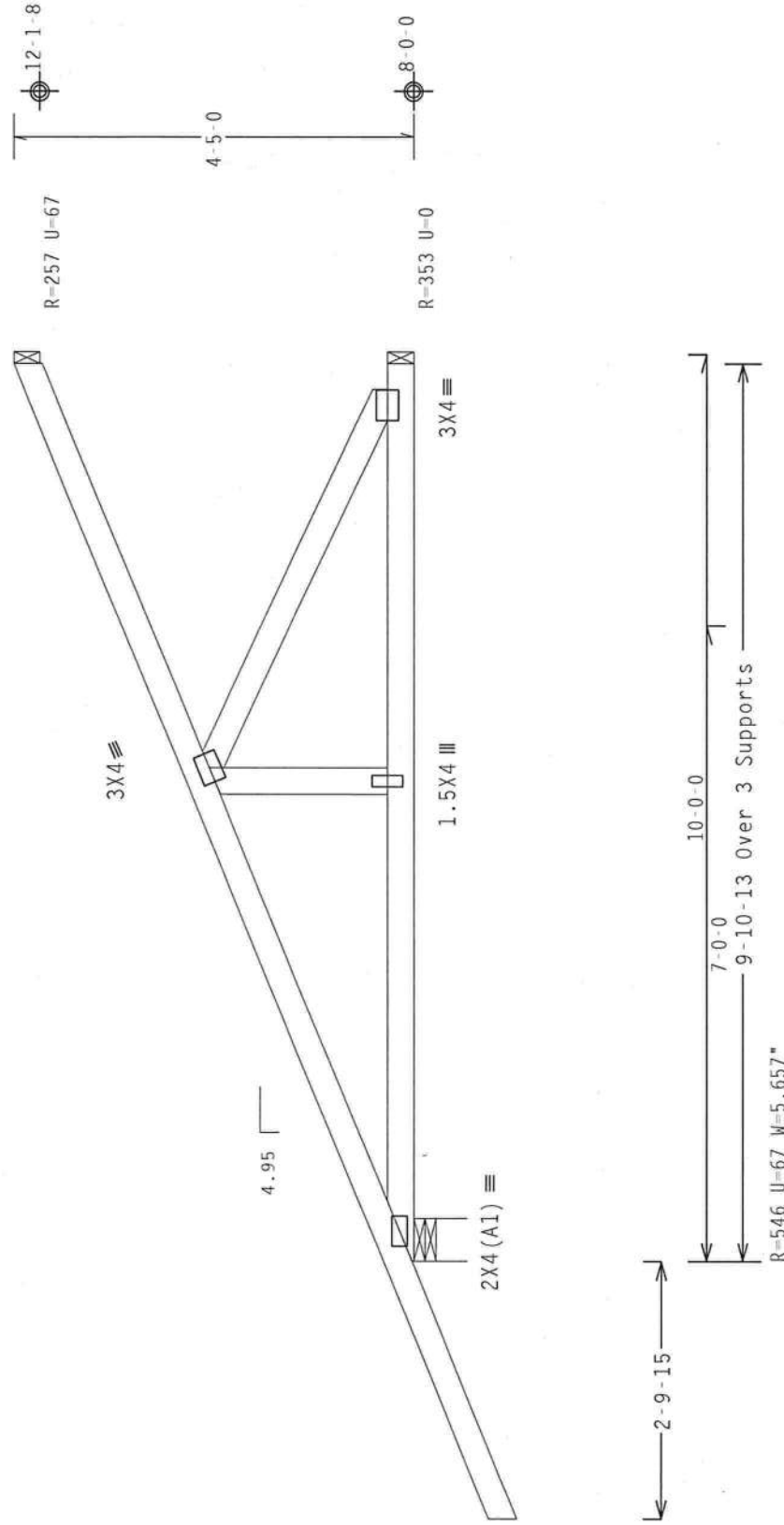
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (0.075/0.05/0.03) ASIP A653 GRADE 40/60 (IN. K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

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

Hipjack supports 7-0-0 setback jacks with no webs.
Deflection meets L/240 live and L/180 total load.

Wind reactions based on MWFRS pressures.

Design Crit: FBC2007Res/TPI-2002(STD)
 $ET/RT=10\%(0\%)/0(0)$ [illegible]

**** IMPORTANT *****THROUGH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR FOR THE ITN REG. INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD IN COMPLIANCE WITH THE ITN REG. INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THE TRUSS OR BRACING OF TRUSSES.

TPI: OR FABRICATING, HANDING, INSTALLING & BRACING OF TRUSSES.

CONNECTION PLATES ARE MADE OF 20X10X1/8GALVASTEL G60K50 GRADE 40/60 (A.K.H.S) GALV. STEEL. APPLY THE FOLLOWING DIMENSIONS TO ALL CONNECTIONS:

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2 THROUGH 160E-2.

ANY INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3.

THE DESIGNER SHALL HAVE NO LIABILITY FOR ANY DESIGN OR CONSTRUCTION RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENTS OF THE BUILDING DESIGN. THE LIABILITY FOR THE BUILDING DESIGN IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX B/TPI 1 SEC. 2.

9.02.00

OTY:2

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

Scale = .5"/Ft.

TC LL	20.0	PSF	REF	R8228-	26647
TC DL	10.0	PSF	DATE	07/16/09	
BC DL	10.0	PSF	DRW	HCUSR8228	09197041
BC LL	0.0	PSF	HC-ENG	JB/DF	
TOT.LD.	40.0	PSF	SEQN-	34641	
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		JREF-	1TTE8228	Z04

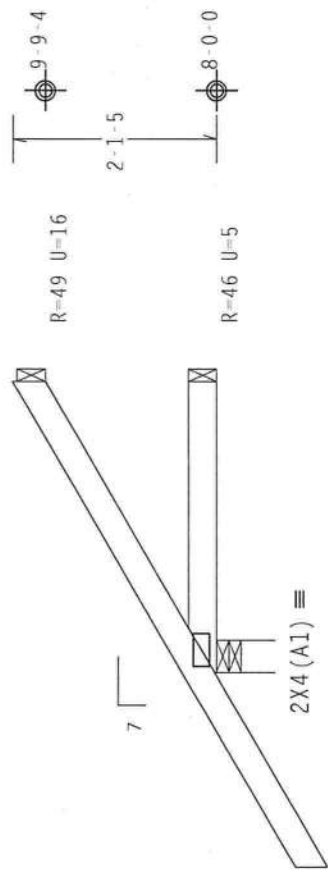


ITW Building Components Group Inc.
Haines City, FL 33844
FL 33844-78

(9-152--ErKinger Home Builders Burnham --, ** - J3)

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.
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 B, wind TC DL=5.0 psf, wind BC
DL=5.0 psf, lw=1.00 GCpi(+/-)-0.18
Wind reactions based on MWFRS pressures.



3-0-0 Over 3 Supports
R=321 U=33 W=4"
RL=67/-39

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave	QTY: 2		FL/-/4/-/-/R/-		Scale = .5"/Ft.	
	TC LL	20.0 PSF	REF	R8228 - 26648		
	TC DL	10.0 PSF	DATE	07/16/09		
	BC DL	10.0 PSF	DRW	HCUSR8228 09197044		
	BC LL	0.0 PSF	HC-ENG	JB/DF		
TOT.LD.			40.0 PSF	SEQN	34620	
DUR.FAC.			1.25	FROM	AH	
SPACING			24.0"	JREF	1TTE8228Z04	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE TRUSS CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE TRUSS CONTRACTOR. THE TRUSS CONTRACTOR SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE TRUSS CONTRACTOR. THE TRUSS CONTRACTOR SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

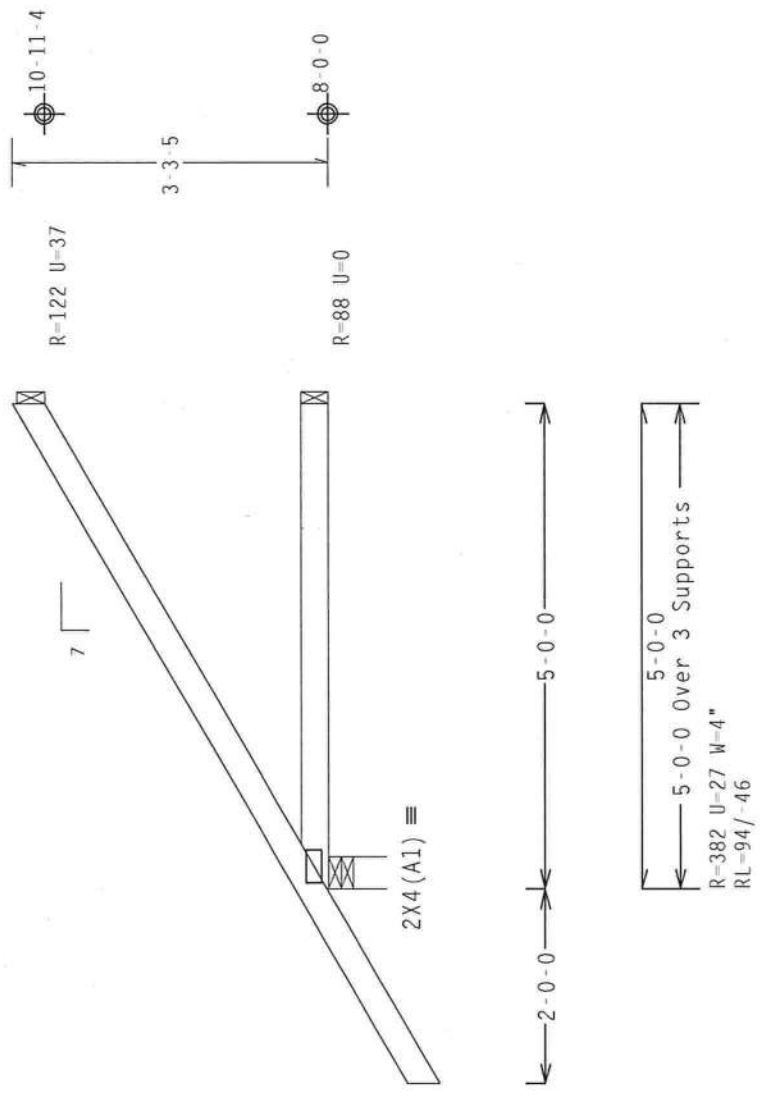
DESIGNER: BCG, INC. 33844 HAINES CITY, FL 33844
FLC 178

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 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=10%(0%) / 0(0)

Scale = .5"/Ft.

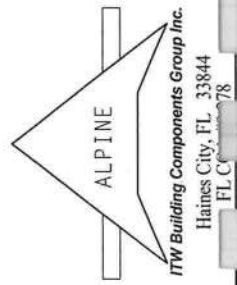
TC LL	20.0 PSF	REF R8228- 26649
TC DL	10.0 PSF	DATE 07/16/09
BC DL	10.0 PSF	DRW HCUR8228 09197054
BC LL	0.0 PSF	HC-ENG JB/DF *
TOT.LD.	40.0 PSF	SEQN - 34627
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF - 1TTE8228Z04



****WARNING**** TROSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING CONSTRUCTION INFORMATION), PUBLISHED BY TPI (TROSS PLATE INSTITUTE), 2318 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION), 5300 OLD FARM ROAD, PITTSBURGH, PA, 15222) 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 **** I HEREBY A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR FOR THE TRUSS IN CONFORMANCE WITH THE RESPONSIBILITY OF THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AREA) AND TPI-1.
TPI-2 OR COMPOSITE WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AREA) AND TPI-1.
CONNECTIONS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AREA) AND TPI-1.
CONNECTOR PLATES ARE MADE OF 70/18/16GA UNM/55/KP LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2.
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE NOTED ON THIS DESIGN, SEAL ON THIS
AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ABEX 43 OF TPI-1-2002 SEC.3,
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT
DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE
BUILDING DESIGNER PER ANSI/TPI-1 SEC. 2.



(9-152--Erkinger Home Builders Burnham --, ** - HJ78)

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

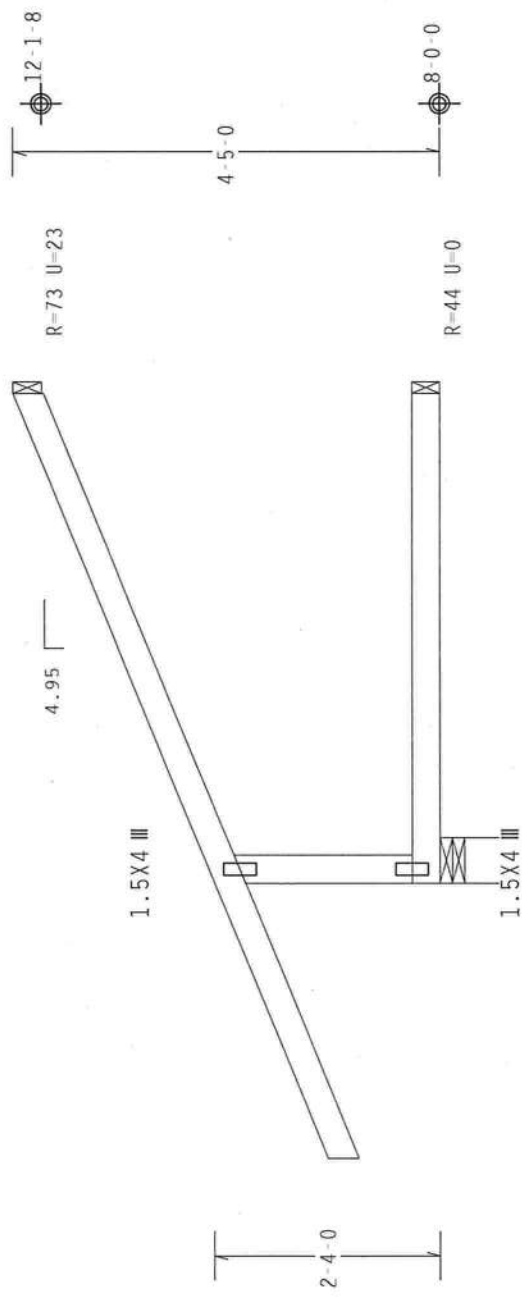
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL-5.0 psf, wind BC
DL-5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Left end vertical not exposed to wind pressure.

Wind reactions based on MWFRS pressures.

Hipjack supports 3-6-14 setback jacks with no webs.

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



5-0-10 Over 3 Supports
R=277 U=43 W=5.654"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

Scale = .5"/Ft.



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (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 AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND TPI. 1TH BCG CONNECTOR PLATES ARE MADE OF 2018/10GA (4.0/SS/PS) ASTM A663 GRADE 40/60 (4.0, 4.0/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

TC LL	20.0 PSF	REF	R8228- 26650
TC DL	10.0 PSF	DATE	07/16/09
BC DL	10.0 PSF	DRW	HCU8R8228 09197049
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	34651
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TTE8228Z04

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FLC 078

(9-152--Erkinger Home Builders Burnham **, ** - J3A)

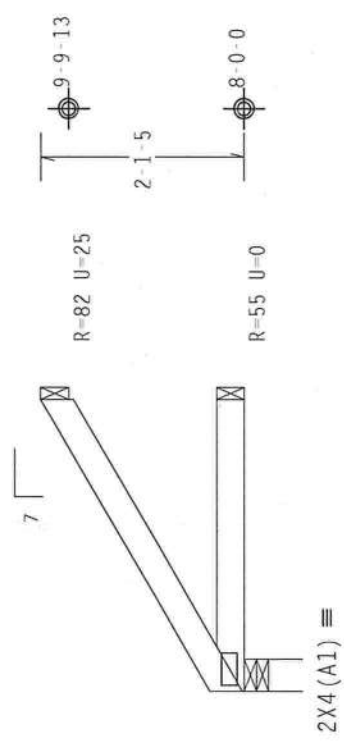
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

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

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

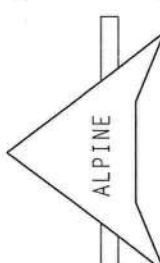
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.



3-0-0 Over 3 Supports
R=131 U=0 W=4"
RL=40

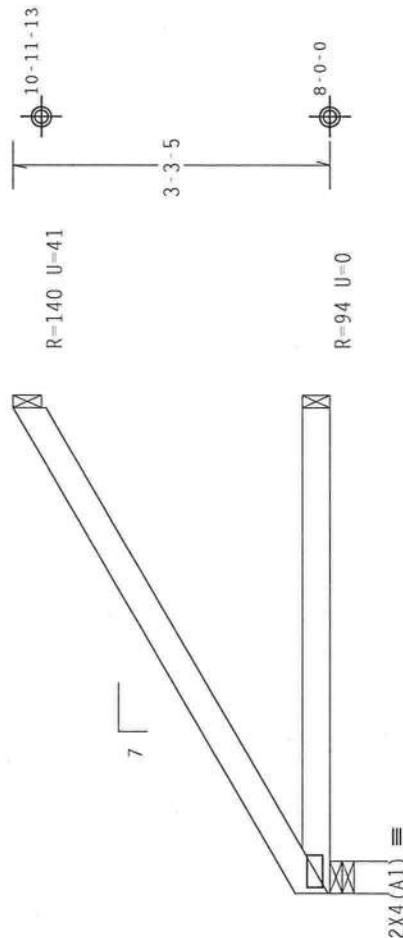
Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%/70(0))

PLT TYP. Wave	 ITW Building Components Group Inc. Haines City, FL 33844 FLC 06800078	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND WTCA (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-1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC, BY AISC) AND TPI-1. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (40/55)K1 ASTM A653 GRADE 40/60 (40/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-7. ANY INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE PER AISC A3 OF TPI-1/2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOCIETY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISC/TPI 1 SEC. 2.	QTY: 2	FL / - / 4 / - / - / R / -	Scale = .5" / Ft.	REF	R8228 - 26652				
					DATE	07/16/09					
					DRW	HCUSR8228 09197119					
					HC-ENG	JB/DF					
					SEQN -	34634					
					DUR. FAC. 1.25						FROM AH
					SPACING 24.0"						JREF - 1TTE8228Z04



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 B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCpl(+/-)=0.18

Wind reactions based on MWFRS pressures.



← 5-0-0 Over 3 Supports →
R=214 U=0 W=4"
RI=67

Design Crit: FBC2007Res/TPI-2002 (STD)
 $FT/RT=10\%(0\%)/0(0)$

PLT TYP. Wave

QTY:2 FL1-141-1-1R1-

Scale = .5"/Ft.

TC LL	20.0	PSF	REF	R8228 - 26653
TC DL	10.0	PSF	DATE	07/16/09
BC DL	10.0	PSF	DRW	HCUSR8228 09197094
BC LL	0.0	PSF	HC-ENG	JB/DF
TOT.LD.	40.0	PSF	SEQN-	34637
DUR.FAC.	1.25		FROM	AH
SPACING	24.0"		JREF-	1TTE8228Z04

[illegible]

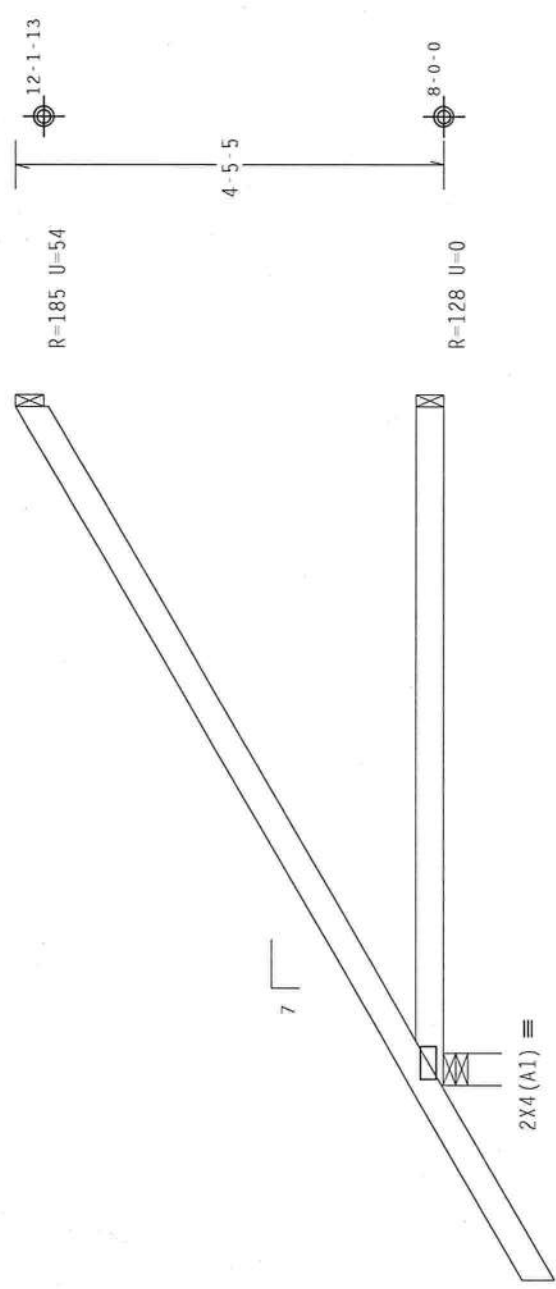
ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL 888-278-2788

(9-152--ErKinger Home Builders Burnham --, ** - EJ7)

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.
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 B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, $W=1.00$ GCpl(+/-)=0.18
Wind reactions based on MWERS pressures.



← 2-0-0 →

← 7-0-0 Over 3 Supports →

R=455 U=24 W=4"
RL=121/-52

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%) / 0(0)

PLT TYP. Wave

QTY: 21

FL / - / 4 / - / R / -

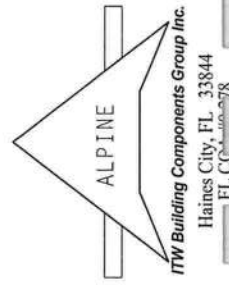
Scale = .5" / Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO THE BUILDING COMPONENT SAFETY TRUSS INFORMATION SHEET FOR THE TRUSS MANUFACTURER'S INSTRUCTIONS. NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314 AND WEA (WOOD TRUSS) COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48219 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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



TC LL	20.0 PSF	REF	R8228- 26654
TC DL	10.0 PSF	DATE	07/16/09
BC DL	10.0 PSF	DRW	HCUSR8228 09197096
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEON-	34644
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TTE8228Z04



(9-152--Erkinger Home Builders Burnham --, ** - J1B)

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

Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

Calculated horizontal deflection is 0.22" due to live load and 0.11" due to dead load.

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

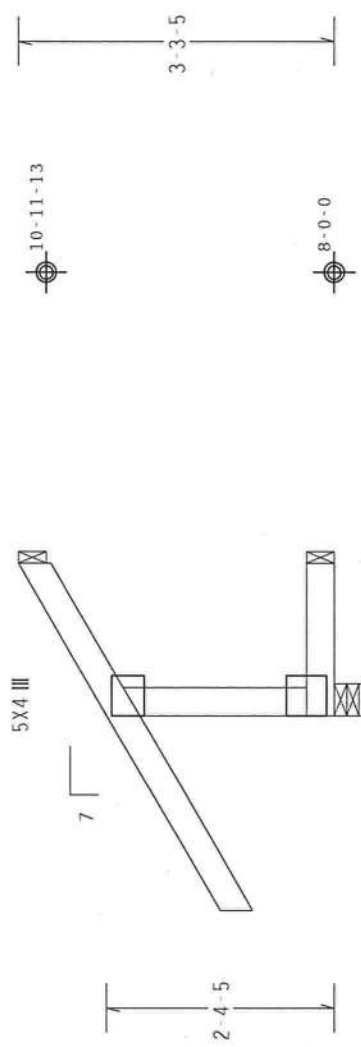
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Wind reactions based on MWERS pressures.

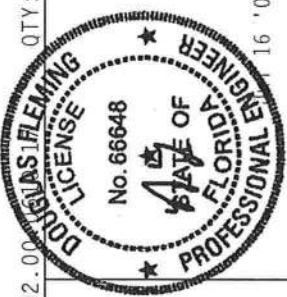
Roof overhang supports 2.00 psf soffit load.

R=-58 Rw=28 U=40



2-0-0 →
1-6-14 Over 3 Supports
R=287 U=41 W=3.997"
RL=97/-91
R=40 Rw=65 U=47

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)



QTY: 1	FL/-/4/-/-/R/-	Scale = .5"/Ft.
TC LL	20.0 PSF	REF R8228- 26655
TC DL	10.0 PSF	DATE 07/16/09
BC DL	10.0 PSF	DRW HCUSR8228 09197100
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEON- 34648
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TTE8228Z04

****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, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48371) 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/PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (44-H/55/K) ASIN A653 GRADE 40/60 (4, 4/16, SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS. LOGAN 2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENTS DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ITW Building Components Group Inc.
Haines City, FL 33844
FL CC 00000078

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

110 mph wind, 19.66 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind tc DL=5.0 psf, wind BC DL=2.0 psf, lw=1.00 GCpl(+/-)=0.18

Wind reactions based on MWFRS pressures.

MWFRS loads based on trusses located at least 19.66 ft. from roof edge.

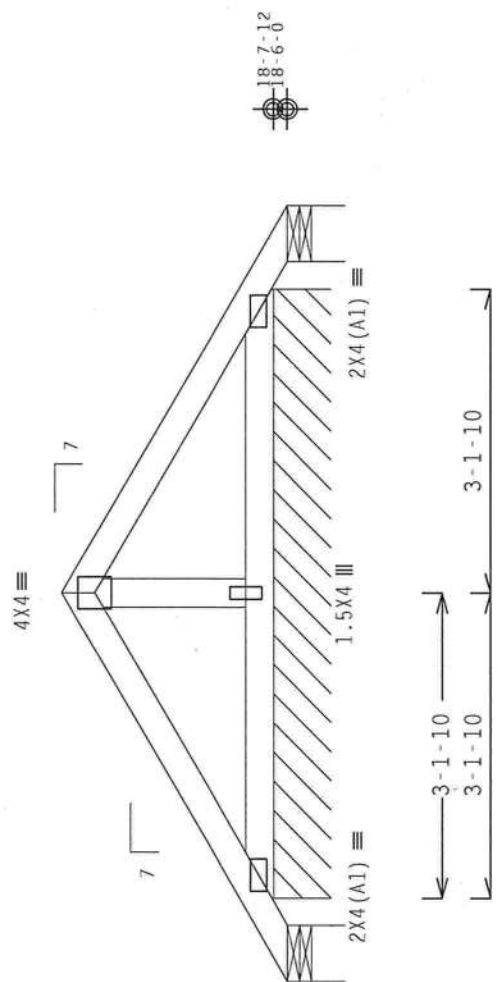
Refer to DWG PB1200109 for piggyback details.

SPECIAL LOADS

-----LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at 0.00 to 63 PLF at 4.00
TC - From 63 PLF at 4.00 to 63 PLF at 8.00
BC - From 4 PLF at 0.00 to 4 PLF at 8.00

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

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



R=-12 Rw=34 U=36 W=6.946"
RL=49/-49

R=-83 PLF U=9 PLF W=6-3-3

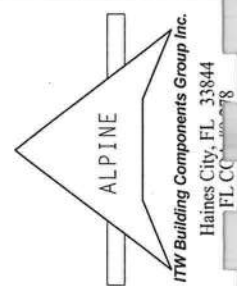
R=-12 Rw=9 U=12 W=6.946"

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

QTY: 6 FL/-/4/-/-/R/- Scale =.5"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI CROSS PLATE INSTITUTE, 210 WEST 10TH AVENUE, SUITE 100, ALBUQUERQUE, NM 87102, 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 AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AIA/PSA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 7018/16GA (W/H/SS/P) ASTM A653 GRADE 40/60 (H, 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 ANNEX A3 OF TPI-2002 SEC.3. A SEAL OR THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R8228 - 26657
TC DL	10.0 PSF	DATE	07/16/09
BC DL	10.0 PSF	DRW	HCUSR8228 09197114
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN	35510
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF	1TTE8228Z04

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

1110 mph wind, 19.55 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf, lw=1.00 GCpf(+/-)=0.18

Wind reactions based on MWFRS pressures.

MMWFRS loads based on trusses located at least 19.55 ft. from roof edge.

Refer to DWG PB1200109 for piggyback details.

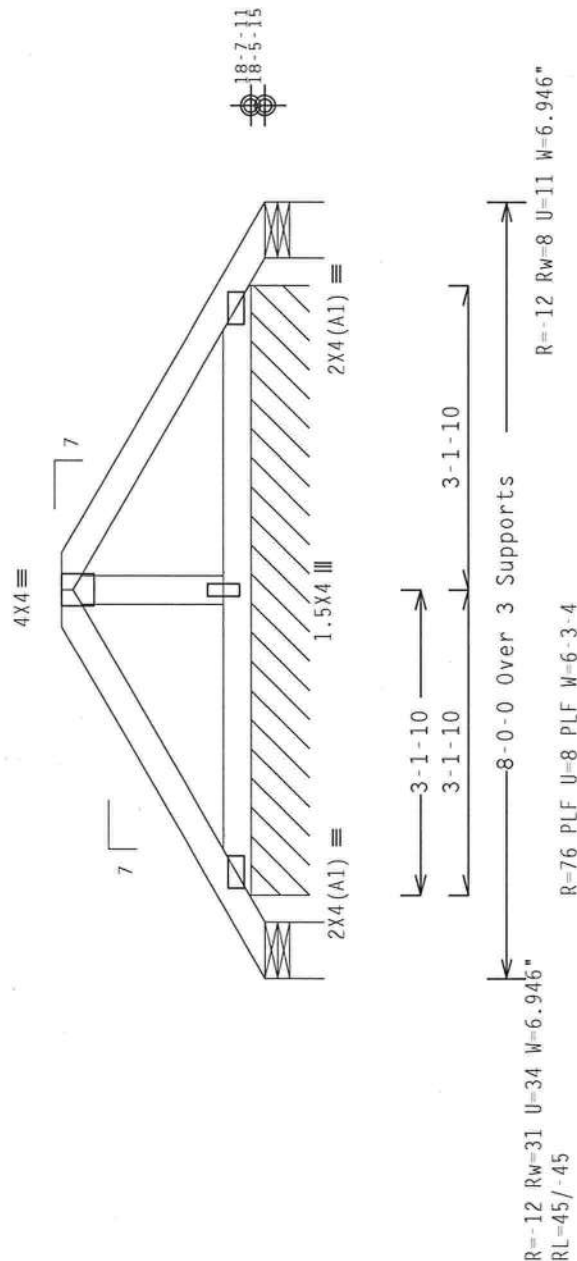
SPECIAL LOADS

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

TC - From	63 PLF at 0.00 to	63 PLF at 3.62
TC - From	63 PLF at 4.38 to	63 PLF at 8.00
BC - From	4 PLF at 0.00 to	4 PLF at 8.00

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

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

Design Crit: FBC2007Res/TPI-2002(STD)
 $FT/RT=10\%(0\%)/0(0)$

PLT TYP. Wave

00.00

OTY:1 F1/-/4/-/-/R/-/

Scale = 5"/Ft.

*WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BCSP TRUSSING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 ENTERPRISE LANE, SUITE 350, ALBANY, NY 12219, (518) 486-1400 FOR SAFE PRACTICES FOR 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 - 26659
TC DL	10.0 PSF	DATE 07/16/09
BC DL	10.0 PSF	DRW HCUR8228 09197116
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEON - 35514
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF - 1TTE8228Z04



ALPINE
ITW Building Components Group Inc.
 Haines City, FL 33844
 813-939-0078

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

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

1110 mph wind, 18.97 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf, $I_w=1.00$ GCp1(+/-)=0.18

Wind reactions based on MWFRS pressures.

Refer to DWG PB1200109 for piggyback details.

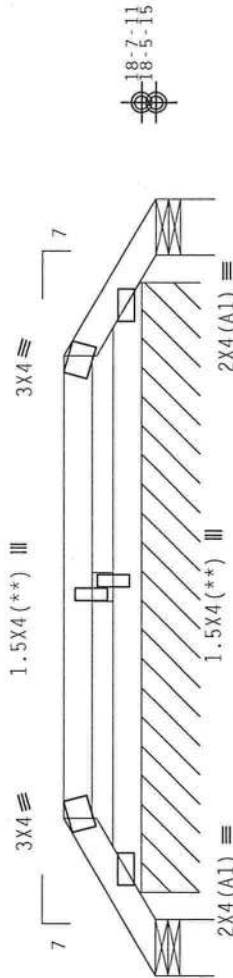
SPECIAL LOADS

----- (LUMBER LONGS		DUR. FAC. = 1.25 / PLATE		DUR. FAC. = 1.25	
TC	- From	63 PLF at	0.00 to	63 PLF at	1.62
TC	- From	63 PLF at	1.62 to	63 PLF at	6.38
TC	- From	63 PLF at	6.38 to	63 PLF at	8.00
IC	- From	4 PLF at	0.00 to	4 PLF at	8.00

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

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

MMWFRS loads based on trusses located at least 18.97 ft. from roof edge.



8-0-0 Over 3 Supports

R=11 I=7 W=6 046"

R=76 PLF U=17 PLF W=6-3-4

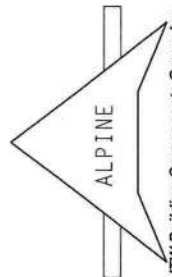
P=11 11=5 W=6 916"

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

QTY. 1

Scale = 5"/Ft



ITW Building Components Group Inc.
Haines City, FL 33844
FL 33844-0788



TC LL	20.0 PSF	REF	R8228 - 26660
TC DL	10.0 PSF	DATE	07/16/09
BC DL	10.0 PSF	DRW	HCUSR8228 09197117
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN -	35517
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF -	1TTE8228Z04

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

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

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

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

DOUGLAS FIR-LARCH

#3 STUD	SOUTHERN PINE
STANDARD	STANDARD

GROUP B:

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

SOUTHERN PINE

#1	#2
#1	#2

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

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

GABLE END SUPPORTS LOAD FROM 4' 0"

OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.

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

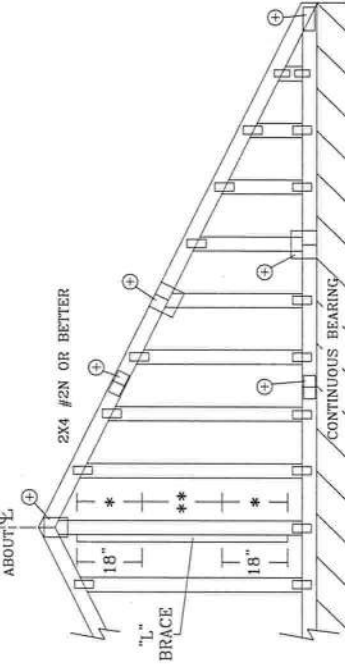
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

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

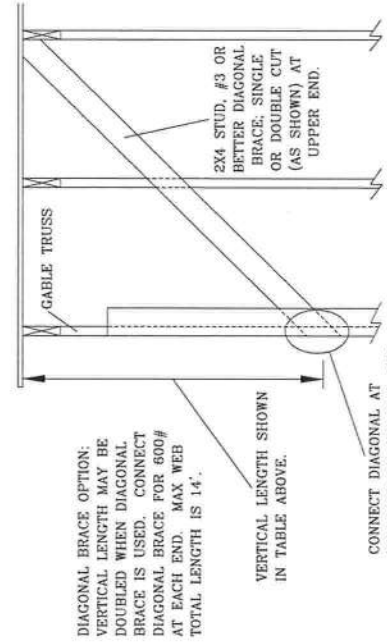
GABLE VERTICAL PLATE SIZES

VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2.5X4
GREATER THAN 11' 6"	3X4

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



REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.



WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow ICCS (Building Component Safety Information, by TPI and WTC) for safety practices prior to performing installation. Trusses shall be installed in accordance with the manufacturer's instructions. Trusses shall have properly attached structural panels and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per ICCS sections B3 & B7. See this job's general notes page for more information.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR.

Building Components Group Inc. (BCCI) shall be responsible for any deviation from this design. Trusses shall be installed in accordance with the manufacturer's instructions. Trusses shall be installed with TPI or factory installed bracing of trusses. BCCI connector plates are made of 20/16/16GA (W/H/S) ASTM A653 grade 37/40/60 (K/W/H/S) galv. steel. Apply plates to each face of truss, positioned as shown above and on Joint Details. A seal on this drawing or cover page indicates acceptance and professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for any building is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2.

ITW-BCC: www.itwbcg.com; TPI: www.tpi.com; WTC: www.wtcindustry.com; ICC: www.iccsafe.org



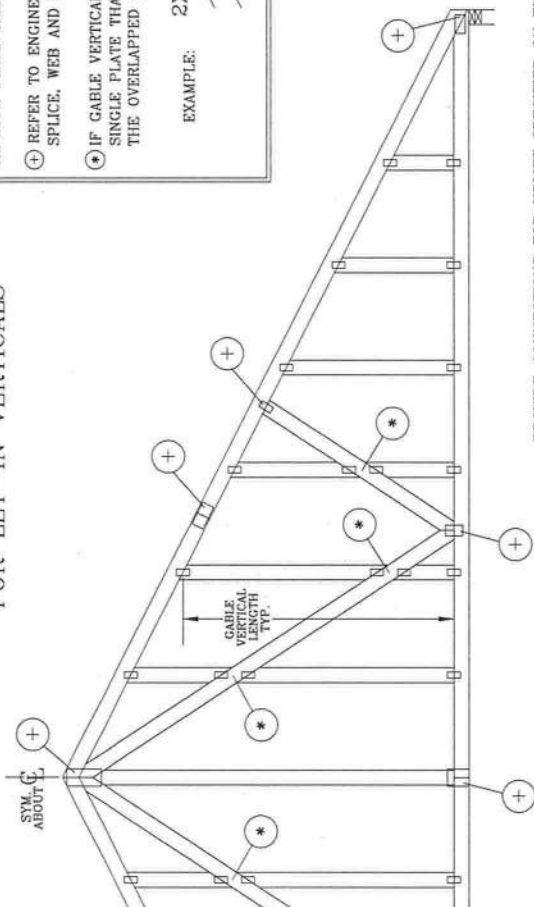
Earth City, MO 63045

REF	ASCE7-05-GAB1015
DATE	1/1/09
DRWG	A11015050109



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

GABLE DETAIL FOR LET-IN VERTICALS



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" MIN) NAILS AT 4" O.C. PLUS

(4) NAILS IN TOP AND BOTTOM CHORD.

TOENAILED NAILS:

10d COMMON (0.148" X 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.

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET.

ITW Building Components Group Inc. (ITWBCG) shall be responsible for any deviation from this design. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow RCSI (Building Component Safety Information, by TPI and WCA) RCSI documents for details on handling, shipping, installing and bracing of trusses. ITWBCG connector plates are made of 2018/16CA (W/H/S/K) ASTM A653 grade 37/40/50 (K/W/H/S) galv. steel. Apply plates to each face of truss, positioned as shown above and on Joint Details. A seal on this drawing or cover page indicates acceptance and professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for any building is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2.

ITW-BCC: www.itwbcg.com; TPI: www.tpiusa.com; WCA: www.wcaindustry.com; ICC: www.iccsafe.org

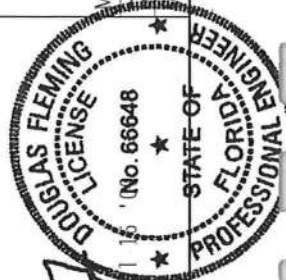
IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR.

ITW Building Components Group Inc. (ITWBCG) shall be responsible for any deviation from this design. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow RCSI (Building Component Safety Information, by TPI and WCA) RCSI documents for details on handling, shipping, installing and bracing of trusses. ITWBCG connector plates are made of 2018/16CA (W/H/S/K) ASTM A653 grade 37/40/50 (K/W/H/S) galv. steel. Apply plates to each face of truss, positioned as shown above and on Joint Details. A seal on this drawing or cover page indicates acceptance and professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for any building is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2.

Earth City, MO 63045



Building Components Group Inc.



REF LET-IN VERT

DATE 1/1/09

DRWG GBLLETIN0109

MAX TOT. LD. 60 PSF

UR. FAC. ANY

MAX SPACING 24.0"

"T" REINFORCEMENT ATTACHMENT DETAIL

"T" REINFORCING MEMBER

TOENAIL

- OR -

ENDNAIL

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	"T" 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, $K_{zt} = 1.00$

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"

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:

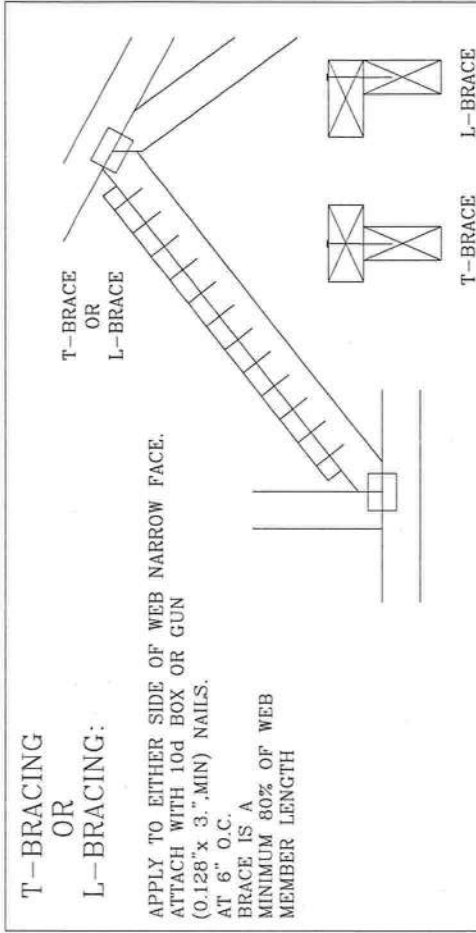
THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

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	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4	2-2X4
2X6	1 ROW	2X4	1-2X6	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)	2-2X4(*)
2X8	1 ROW	2X6	1-2X8	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)	2-2X6(*)

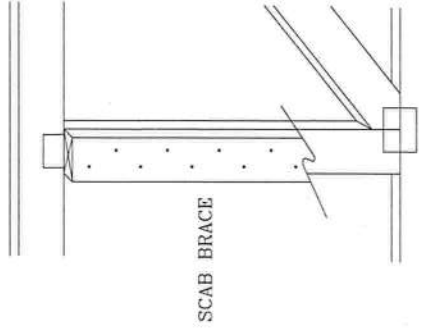
T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

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



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



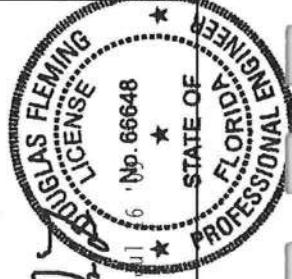
Building Components Group Inc.

Earth City, MO 63045

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow ITW Building Components Group Inc. (ITWBCG) Building Component Safety Information, by TPI and WCA for safety practices prior to performing any work. Trusses shall have properly attached structural panels and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSS sections B3 & B7. See this job's general notes page for more information.

****IMPORTANT**** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW Building Components Group Inc. (ITWBCG) will not be responsible for any deviation from this design. Trusses shall be fabricated in accordance with TPI or fabricating, handling, shipping, installing & bracing of trusses. ITWBCG connector plates are made of 2018/16GA (W.H/S/K) ASTM A653 grade 37/40/80 (K/W/H/S) galv. steel. Apply plates to each face of truss, positioned as shown above and on Joint Details. A seal on this drawing or cover page indicates acceptance and professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for any building is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. ITW-BCC: www.itwbcc.com; TPI: www.tpinet.com; WCA: www.subindustry.com; ICC: www.iccsafe.org

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			



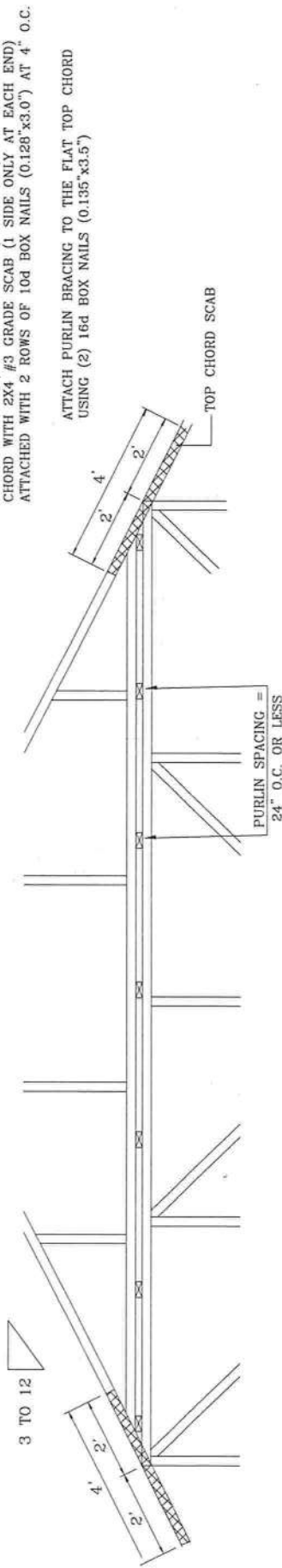
120 PIGGYBACK DETAIL

UP TO 120 MPH WIND, 30.00 FT MEAN HGT., ASCE 7-02 OR ASCE 7-05, ENCLOSED BLDG. LOCATED ANYWHERE IN ROOF, CAT II, EXP C, WIND DL= 5.0 PSF KZT=1.0.

NOTE: TOP CHORDS OF TRUSSES SUPPORTING PIGGYBACK CAP TRUSSES MUST BE ADEQUATELY BRACED BY SHEATHING OR PURLINS. THE BUILDING ENGINEER OF RECORD SHALL PROVIDE DIAGONAL BRACING OR OTHER SUITABLE ANCHORAGE TO PERMANENTLY RESTRAIN PURLINS.

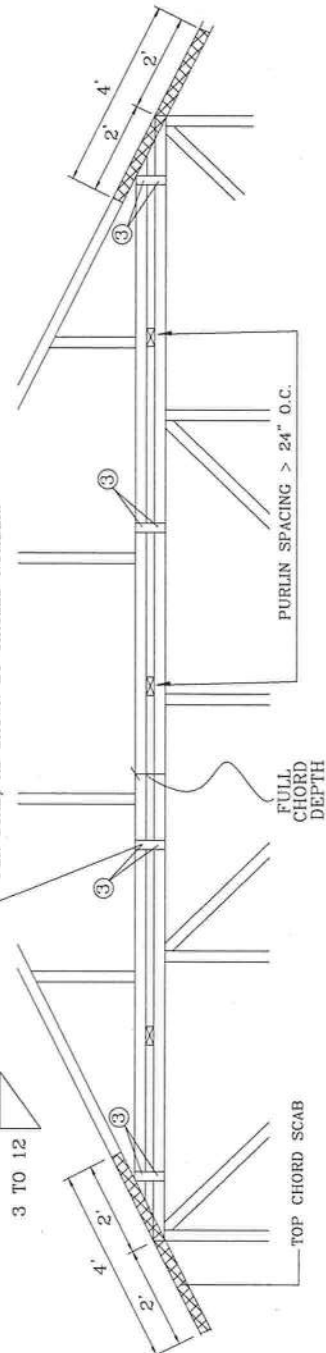
•• REFER TO ENGINEER'S SEALED TRUSS DESIGN DRAWING FOR PIGGYBACK AND BASE TRUSS SPECIFICATIONS.

DETAIL A



DETAIL B

PIGGYBACK CAP TRUSS NAILED TO TOP CHORD OF BASE TRUSS AND SECURED WITH 2x4 SPF#2, FULL CHORD DEPTH SCABS @ 8' O.C. EACH FACE, STAGGERED 4' O.C. ATTACH WITH 3 10d BOX NAILS (0.128"x3") INTO BOTH CHORDS (TOTAL OF 6 NAILS PER SCAB) AS SHOWN BY CIRCLED NUMBER.



ALTERNATE ATTACHMENTS	
TRULOX	USE 3x8 TRULOX PLATES FOR 2x4 CHORD MEMBER, AND 3x10 TRULOX PLATES FOR 2x6 AND LARGER CHORD MEMBERS. ATTACH TO EACH FACE @ 8' O.C. WITH (4) 0.120" x 1.375" NAILS INTO CAP BOTTOM CHORD AND (4) IN BASE TRUSS TOP CHORD. TRULOX PLATES MAY BE STAGGERED 4' O.C. FRONT TO BACK FACES.
PLYWOOD GUSSET	8"x8" x 1/2" RATED SHEATHING GUSSETS (EACH FACE). ATTACH @ 8' O.C. WITH (8) 6d COMMON (0.113"x2") NAILS PER GUSSET (4) IN CAP BOTTOM CHORD AND (4) IN BASE TRUSS TOP CHORD. GUSSETS MAY BE STAGGERED 4' O.C. FRONT TO BACK FACES.

••WARNING•• READ AND FOLLOW ALL NOTES ON THIS SHEET.

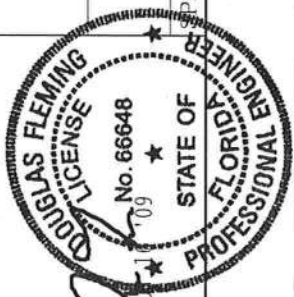
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow ITA (Building Component Safety Information, by TPI and WCA) for safety practices prior to performing installation. Trusses shall be installed in accordance with the manufacturer's instructions. Trusses shall have properly attached structural panels and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per ECSS sections B3 & B7. See this job's general notes page for more information.

••IMPORTANT•• FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. Trusses shall be installed in accordance with TPI, or fabricating, handling, shipping, installing & bracing of trusses. ITWECG connector plates are made of 2018/18CA (W.H/S/K) ASTM A653 grade 37/40/100 (K/W/H/S) galv. steel. Apply plates to each face of trusses, positioned as shown above and on Joint Details A seal on this drawing or cover page indicates acceptance and professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for any building is the responsibility of the Building Designer per ANSI/TP 1 Sec. 2. ITA-B03. www.itwecg.com. TPI: www.tpi.com. WCA: www.wcaindustry.com. ICC: www.iccsafe.org



Earth City, MO 63045

REF	PIGGYBACK
DATE	1/1/09
DRWG	PB1200109



PURLIN SPACING 24.0"

PRODUCT APPROVAL SPECIFICATION SHEET

Location: Cobblestone Lot 7

Project Name: Burnham

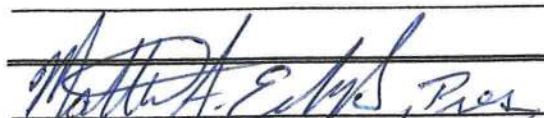
As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are **applying for a building permit on or after April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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic	CHI		FL5519
6. Other			
B. WINDOWS			
1. Single hung	ME	740 SERIES	FL8114
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles	GAF/EIK	30 YR ARCH SHINGLES	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.


 Contractor or Contractor's Authorized Agent Signature

Matthew A. Eckinger, Sr. 7-21-09
 Print Name Date

ERKINGER HOME BUILDERS

248 SE Nassau Street
Lake City, Florida 32025

Contracting/Construction Management/Consulting

License # RR-0067135

Phone (386) 754-5555 Fax (386) 719-9899

www.erkingerhomes.com

- | | |
|--|-----------|
| 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 |

Residential System Sizing Calculation

Summary

Randall & Marsha Burnham

Project Title:
907101ErkingerHomeBuildersBurnhamResMANJ

Class 3 Rating
Registration No. 0
Climate: North

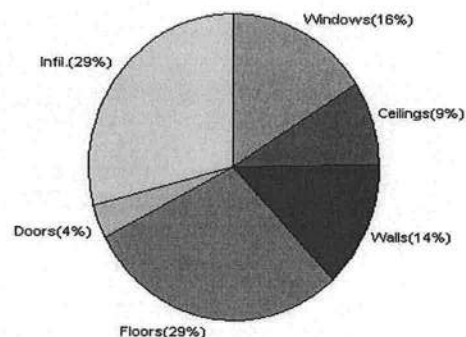
7/20/2009

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	35726 Btuh	Total cooling load calculation	31834 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	117.6 42000	Sensible (SHR = 0.75)	121.8 31500
Heat Pump + Auxiliary(0.0kW)	117.6 42000	Latent	176.1 10500
		Total (Electric Heat Pump)	131.9 42000

WINTER CALCULATIONS

Winter Heating Load (for 2300 sqft)

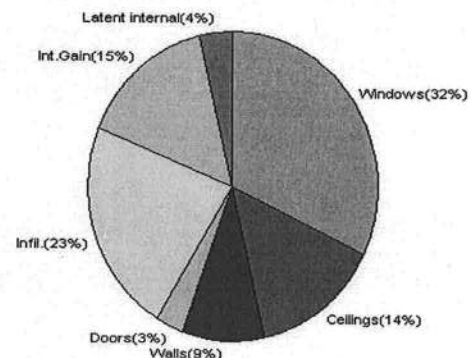
Load component	Load
Window total 482 sqft	5709 Btuh
Wall total 1474 sqft	4840 Btuh
Door total 98 sqft	1269 Btuh
Ceiling total 2700 sqft	3182 Btuh
Floor total 240 sqft	10478 Btuh
Infiltration 253 cfm	10248 Btuh
Duct loss	0 Btuh
Subtotal	35726 Btuh
Ventilation 0 cfm	0 Btuh
TOTAL HEAT LOSS	35726 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2300 sqft)

Load component	Load
Window total 482 sqft	10263 Btuh
Wall total 1474 sqft	2970 Btuh
Door total 98 sqft	960 Btuh
Ceiling total 2700 sqft	4471 Btuh
Floor total	0 Btuh
Infiltration 130 cfm	2426 Btuh
Internal gain	4780 Btuh
Duct gain	0 Btuh
Sens. Ventilation 0 cfm	0 Btuh
Total sensible gain	25871 Btuh
Latent gain(ducts)	0 Btuh
Latent gain(infiltration)	4763 Btuh
Latent gain(ventilation)	0 Btuh
Latent gain(internal/occupants/other)	1200 Btuh
Total latent gain	5963 Btuh
TOTAL HEAT GAIN	31834 Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY:

DATE: 7/20/09

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Randall & Marsha Burnham

Project Title:

Class 3 Rating

907101ErkingerHomeBuildersBurnhamResMANJ

Registration No. 0

Climate: North

, FL

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

7/20/2009

This calculation is for Worst Case. The house has been rotated 315 degrees.

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	30.0	11.8	355 Btuh
2	2, SHGC=0.3, Metal, 0.32	W	17.5	11.8	207 Btuh
3	2, SHGC=0.3, Metal, 0.32	W	4.7	11.8	56 Btuh
4	2, SHGC=0.3, Metal, 0.32	NW	17.5	11.8	207 Btuh
5	2, SHGC=0.3, Metal, 0.32	NW	4.7	11.8	56 Btuh
6	2, SHGC=0.3, Metal, 0.32	N	17.5	11.8	207 Btuh
7	2, SHGC=0.3, Metal, 0.32	N	33.8	11.8	400 Btuh
8	2, SHGC=0.3, Metal, 0.32	NW	40.0	11.8	474 Btuh
9	2, SHGC=0.3, Metal, 0.32	NW	14.2	11.8	168 Btuh
10	2, SHGC=0.3, Metal, 0.32	SW	20.0	11.8	237 Btuh
11	2, SHGC=0.3, Metal, 0.32	NW	36.0	11.8	426 Btuh
12	2, SHGC=0.3, Metal, 0.32	NW	30.0	11.8	355 Btuh
13	2, SHGC=0.3, Metal, 0.32	NW	5.0	11.8	59 Btuh
14	2, SHGC=0.3, Metal, 0.32	NE	30.0	11.8	355 Btuh
15	2, SHGC=0.3, Metal, 0.32	NE	10.0	11.8	118 Btuh
16	2, SHGC=0.3, Metal, 0.32	SE	8.8	11.8	104 Btuh
17	2, SHGC=0.3, Metal, 0.32	SE	30.0	11.8	355 Btuh
18	2, SHGC=0.3, Metal, 0.32	SE	10.0	11.8	118 Btuh
19	2, SHGC=0.3, Metal, 0.32	SE	17.8	11.8	211 Btuh
20	2, SHGC=0.3, Metal, 0.32	SE	18.7	11.8	221 Btuh
21	2, SHGC=0.3, Metal, 0.32	SE	30.0	11.8	355 Btuh
22	2, SHGC=0.3, Metal, 0.32	SE	18.0	11.8	213 Btuh
23	2, SHGC=0.3, Metal, 0.32	SW	30.0	11.8	355 Btuh
24	2, SHGC=0.3, Metal, 0.32	SW	8.0	11.8	95 Btuh
Window Total			482(sqft)		5709 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1294	3.3	4249 Btuh
2	Frame - Wood - Adj(0.09)	13.0	180	3.3	591 Btuh
Wall Total			1474		4840 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		10	12.9	130 Btuh
3	Insulated - Exterior		16	12.9	207 Btuh
4	Insulated - Exterior		32	12.9	414 Btuh
5	Insulated - Exterior		20	12.9	259 Btuh
Door Total			98		1269Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	360	1.2	424 Btuh
2	Vented Attic/D/Shin)	30.0	2340	1.2	2757 Btuh
Ceiling Total			2700		3182Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	240.0 ft(p)	43.7	10478 Btuh
Floor Total			240		10478 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Randall & Marsha Burnham

Project Title:
907101ErkingerHomeBuildersBurnhamResMANJ

Class 3 Rating
Registration No. 0
Climate: North

7/20/2009

	Zone Envelope Subtotal:				25478 Btuh
Infiltration	Type Natural	ACH X 0.66	Zone Volume 23000	CFM= 253.0	10248 Btuh
Ductload	Partially sealed, R6.0, Supply(Attic), Return(NoDucts) (DLM of 0.00)				0 Btuh
Zone #1	Sensible Zone Subtotal				35726 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	35726 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	35726 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

Randall & Marsha Burnham

Project Title:

907101ErkingerHomeBuildersBurnhamResMANJ

Class 3 Rating

Registration No. 0

Climate: North

, FL

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

7/20/2009

This calculation is for Worst Case. The house has been rotated 315 degrees.

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	30.0	11.8	355 Btuh
2	2, SHGC=0.3, Metal, 0.32	W	17.5	11.8	207 Btuh
3	2, SHGC=0.3, Metal, 0.32	W	4.7	11.8	56 Btuh
4	2, SHGC=0.3, Metal, 0.32	NW	17.5	11.8	207 Btuh
5	2, SHGC=0.3, Metal, 0.32	NW	4.7	11.8	56 Btuh
6	2, SHGC=0.3, Metal, 0.32	N	17.5	11.8	207 Btuh
7	2, SHGC=0.3, Metal, 0.32	N	33.8	11.8	400 Btuh
8	2, SHGC=0.3, Metal, 0.32	NW	40.0	11.8	474 Btuh
9	2, SHGC=0.3, Metal, 0.32	NW	14.2	11.8	168 Btuh
10	2, SHGC=0.3, Metal, 0.32	SW	20.0	11.8	237 Btuh
11	2, SHGC=0.3, Metal, 0.32	NW	36.0	11.8	426 Btuh
12	2, SHGC=0.3, Metal, 0.32	NW	30.0	11.8	355 Btuh
13	2, SHGC=0.3, Metal, 0.32	NW	5.0	11.8	59 Btuh
14	2, SHGC=0.3, Metal, 0.32	NE	30.0	11.8	355 Btuh
15	2, SHGC=0.3, Metal, 0.32	NE	10.0	11.8	118 Btuh
16	2, SHGC=0.3, Metal, 0.32	SE	8.8	11.8	104 Btuh
17	2, SHGC=0.3, Metal, 0.32	SE	30.0	11.8	355 Btuh
18	2, SHGC=0.3, Metal, 0.32	SE	10.0	11.8	118 Btuh
19	2, SHGC=0.3, Metal, 0.32	SE	17.8	11.8	211 Btuh
20	2, SHGC=0.3, Metal, 0.32	SE	18.7	11.8	221 Btuh
21	2, SHGC=0.3, Metal, 0.32	SE	30.0	11.8	355 Btuh
22	2, SHGC=0.3, Metal, 0.32	SE	18.0	11.8	213 Btuh
23	2, SHGC=0.3, Metal, 0.32	SW	30.0	11.8	355 Btuh
24	2, SHGC=0.3, Metal, 0.32	SW	8.0	11.8	95 Btuh
Window Total			482(sqft)		5709 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1294	3.3	4249 Btuh
2	Frame - Wood - Adj(0.09)	13.0	180	3.3	591 Btuh
Wall Total			1474		4840 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		10	12.9	130 Btuh
3	Insulated - Exterior		16	12.9	207 Btuh
4	Insulated - Exterior		32	12.9	414 Btuh
5	Insulated - Exterior		20	12.9	259 Btuh
Door Total			98		1269Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	360	1.2	424 Btuh
2	Vented Attic/D/Shin)	30.0	2340	1.2	2757 Btuh
Ceiling Total			2700		3182Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	240.0 ft(p)	43.7	10478 Btuh
Floor Total			240		10478 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Randall & Marsha Burnham

Project Title:

Class 3 Rating

907101ErkingerHomeBuildersBurnhamResMANJ

Registration No. 0

Climate: North

7/20/2009

	Zone Envelope Subtotal:				25478 Btuh
Infiltration	Type Natural	ACH X 0.66	Zone Volume 23000	CFM= 253.0	10248 Btuh
Ductload	Partially sealed, R6.0, Supply(Attic), Return(NoDucts) (DLM of 0.00)				0 Btuh
Zone #1	Sensible Zone Subtotal				35726 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible Ventilation Sensible Total Btuh Loss	35726 Btuh 0 Btuh 35726 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

Randall & Marsha Burnham

Project Title:

907101ErkingerHomeBuildersBurnhamResMANJ

Class 3 Rating

Registration No. 0

Climate: North

, FL

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F

7/20/2009

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

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	8ft.	30.0	0.0	30.0	12	26	771	Btuh
2	2, SHGC=0.3, 0.32, None,N,N	W		99ft.	8ft.	17.5	17.5	0.0	12	34	206	Btuh
3	2, SHGC=0.3, 0.32, None,N,N	W		99ft.	3ft.	4.7	4.7	0.0	12	34	55	Btuh
4	2, SHGC=0.3, 0.32, None,N,N	NW		7ft.	8ft.	17.5	0.0	17.5	12	26	450	Btuh
5	2, SHGC=0.3, 0.32, None,N,N	NW		7ft.	3ft.	4.7	0.0	4.7	12	26	121	Btuh
6	2, SHGC=0.3, 0.32, None,N,N	N		12ft.	5ft.	17.5	0.0	17.5	12	12	206	Btuh
7	2, SHGC=0.3, 0.32, None,N,N	N		12ft.	3ft.	33.8	0.0	33.8	12	12	398	Btuh
8	2, SHGC=0.3, 0.32, None,N,N	NW		10.5f	9ft.	40.0	0.0	40.0	12	26	1028	Btuh
9	2, SHGC=0.3, 0.32, None,N,N	NW		10.5f	3ft.	14.2	0.0	14.2	12	26	365	Btuh
10	2, SHGC=0.3, 0.32, None,N,N	SW		99ft.	9ft.	20.0	20.0	0.0	12	27	236	Btuh
11	2, SHGC=0.3, 0.32, None,N,N	NW		1.5ft	9ft.	36.0	0.0	36.0	12	26	925	Btuh
12	2, SHGC=0.3, 0.32, None,N,N	NW		1.5ft	11ft.	30.0	0.0	30.0	12	26	771	Btuh
13	2, SHGC=0.3, 0.32, None,N,N	NW		1.5ft	5ft.	5.0	0.0	5.0	12	26	128	Btuh
14	2, SHGC=0.3, 0.32, None,N,N	NE		1.5ft	6ft.	30.0	0.0	30.0	12	26	771	Btuh
15	2, SHGC=0.3, 0.32, None,N,N	NE		1.5ft	3ft.	10.0	0.0	10.0	12	26	257	Btuh
16	2, SHGC=0.3, 0.32, None,N,N	SE		1.5ft	6ft.	8.8	0.0	8.8	12	27	236	Btuh
17	2, SHGC=0.3, 0.32, None,N,N	SE		1.5ft	6ft.	30.0	9.1	20.9	12	27	667	Btuh
18	2, SHGC=0.3, 0.32, None,N,N	SE		9.16	11ft.	10.0	10.0	0.0	12	27	118	Btuh
19	2, SHGC=0.3, 0.32, None,N,N	SE		9.16	11ft.	17.8	17.8	0.0	12	27	210	Btuh
20	2, SHGC=0.3, 0.32, None,N,N	SE		9.16	4ft.	18.7	18.7	0.0	12	27	220	Btuh
21	2, SHGC=0.3, 0.32, None,N,N	SE		0ft.	0ft.	30.0	0.0	30.0	12	27	805	Btuh
22	2, SHGC=0.3, 0.32, None,N,N	SE		0ft.	0ft.	18.0	0.0	18.0	12	27	483	Btuh
23	2, SHGC=0.3, 0.32, None,N,N	SW		1.5ft	6ft.	30.0	9.1	20.9	12	27	667	Btuh
24	2, SHGC=0.3, 0.32, None,N,N	SW		1.5ft	5ft.	8.0	3.0	5.0	12	27	169	Btuh
Window Total						482 (sqft)					10263 Btuh	
Walls	Type	R-Value/U-Value				Area(sqft)			HTM		Load	
1	Frame - Wood - Ext	13.0/0.09				1293.8			2.1		2699 Btuh	
2	Frame - Wood - Adj	13.0/0.09				180.0			1.5		272 Btuh	
Wall Total						1474 (sqft)					2970 Btuh	
Doors	Type					Area (sqft)			HTM		Load	
1	Insulated - Adjacent					20.0			9.8		196 Btuh	
2	Insulated - Exterior					10.0			9.8		98 Btuh	
3	Insulated - Exterior					16.0			9.8		157 Btuh	
4	Insulated - Exterior					32.0			9.8		314 Btuh	
5	Insulated - Exterior					20.0			9.8		196 Btuh	
Door Total						98 (sqft)					960 Btuh	
Ceilings	Type/Color/Surface	R-Value				Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle	30.0				360.0			1.7		596 Btuh	
2	Vented Attic/DarkShingle	30.0				2340.0			1.7		3875 Btuh	
Ceiling Total						2700 (sqft)					4471 Btuh	
Floors	Type	R-Value				Size			HTM		Load	
1	Slab On Grade	0.0				240 (ft(p))			0.0		0 Btuh	
Floor Total						240.0 (sqft)					0 Btuh	
Zone Envelope Subtotal:											18665 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Randall & Marsha Burnham

Project Title:

Class 3 Rating

907101ErkingerHomeBuildersBurnhamResMANJ

Registration No. 0

, FL

Climate: North

7/20/2009

Infiltration	Type SensibleNatural	ACH 0.34	Volume(cuft) 23000	CFM= 130.3	Load 2426 Btuh
Internal gain		Occupants 6	Btuh/occupant X 230 +	Appliance 3400	Load 4780 Btuh
Duct load	Partially sealed, R6.0, Supply(Attic), Return(NoDucts) DGM = 0.00				0.0 Btuh
	Sensible Zone Load				25871 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Randall & Marsha Burnham

Project Title:

907101ErkingerHomeBuildersBurnhamResMANJ

Class 3 Rating

Registration No. 0

Climate: North

, FL

7/20/2009

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	25871 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	25871 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	25871 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	4763 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	5963 Btuh
	TOTAL GAIN	31834 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

Randall & Marsha Burnham

Project Title:

907101ErkingerHomeBuildersBurnhamResMANJ

Class 3 Rating

Registration No. 0

Climate: North

, FL

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F

7/20/2009

This calculation is for Worst Case. The house has been rotated 315 degrees.

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	8ft.	30.0	0.0	30.0	12	26	771 Btuh
2	2, SHGC=0.3, 0.32, None,N,N	W		99ft.	8ft.	17.5	17.5	0.0	12	34	206 Btuh
3	2, SHGC=0.3, 0.32, None,N,N	W		99ft.	3ft.	4.7	4.7	0.0	12	34	55 Btuh
4	2, SHGC=0.3, 0.32, None,N,N	NW		7ft.	8ft.	17.5	0.0	17.5	12	26	450 Btuh
5	2, SHGC=0.3, 0.32, None,N,N	NW		7ft.	3ft.	4.7	0.0	4.7	12	26	121 Btuh
6	2, SHGC=0.3, 0.32, None,N,N	N		12ft.	5ft.	17.5	0.0	17.5	12	12	206 Btuh
7	2, SHGC=0.3, 0.32, None,N,N	N		12ft.	3ft.	33.8	0.0	33.8	12	12	398 Btuh
8	2, SHGC=0.3, 0.32, None,N,N	NW		10.5f	9ft.	40.0	0.0	40.0	12	26	1028 Btuh
9	2, SHGC=0.3, 0.32, None,N,N	NW		10.5f	3ft.	14.2	0.0	14.2	12	26	365 Btuh
10	2, SHGC=0.3, 0.32, None,N,N	SW		99ft.	9ft.	20.0	20.0	0.0	12	27	236 Btuh
11	2, SHGC=0.3, 0.32, None,N,N	NW		1.5ft	9ft.	36.0	0.0	36.0	12	26	925 Btuh
12	2, SHGC=0.3, 0.32, None,N,N	NW		1.5ft	11ft.	30.0	0.0	30.0	12	26	771 Btuh
13	2, SHGC=0.3, 0.32, None,N,N	NW		1.5ft	5ft.	5.0	0.0	5.0	12	26	128 Btuh
14	2, SHGC=0.3, 0.32, None,N,N	NE		1.5ft	6ft.	30.0	0.0	30.0	12	26	771 Btuh
15	2, SHGC=0.3, 0.32, None,N,N	NE		1.5ft	3ft.	10.0	0.0	10.0	12	26	257 Btuh
16	2, SHGC=0.3, 0.32, None,N,N	SE		1.5ft	6ft.	8.8	0.0	8.8	12	27	236 Btuh
17	2, SHGC=0.3, 0.32, None,N,N	SE		1.5ft	6ft.	30.0	9.1	20.9	12	27	667 Btuh
18	2, SHGC=0.3, 0.32, None,N,N	SE		9.16	11ft.	10.0	10.0	0.0	12	27	118 Btuh
19	2, SHGC=0.3, 0.32, None,N,N	SE		9.16	11ft.	17.8	17.8	0.0	12	27	210 Btuh
20	2, SHGC=0.3, 0.32, None,N,N	SE		9.16	4ft.	18.7	18.7	0.0	12	27	220 Btuh
21	2, SHGC=0.3, 0.32, None,N,N	SE		0ft.	0ft.	30.0	0.0	30.0	12	27	805 Btuh
22	2, SHGC=0.3, 0.32, None,N,N	SE		0ft.	0ft.	18.0	0.0	18.0	12	27	483 Btuh
23	2, SHGC=0.3, 0.32, None,N,N	SW		1.5ft	6ft.	30.0	9.1	20.9	12	27	667 Btuh
24	2, SHGC=0.3, 0.32, None,N,N	SW		1.5ft	5ft.	8.0	3.0	5.0	12	27	169 Btuh
	Window Total					482 (sqft)					10263 Btuh
Walls	Type	R-Value/U-Value				Area(sqft)			HTM		Load
1	Frame - Wood - Ext	13.0/0.09				1293.8			2.1		2699 Btuh
2	Frame - Wood - Adj	13.0/0.09				180.0			1.5		272 Btuh
	Wall Total					1474 (sqft)					2970 Btuh
Doors	Type					Area (sqft)			HTM		Load
1	Insulated - Adjacent					20.0			9.8		196 Btuh
2	Insulated - Exterior					10.0			9.8		98 Btuh
3	Insulated - Exterior					16.0			9.8		157 Btuh
4	Insulated - Exterior					32.0			9.8		314 Btuh
5	Insulated - Exterior					20.0			9.8		196 Btuh
	Door Total					98 (sqft)					960 Btuh
Ceilings	Type/Color/Surface	R-Value				Area(sqft)			HTM		Load
1	Vented Attic/DarkShingle	30.0				360.0			1.7		596 Btuh
2	Vented Attic/DarkShingle	30.0				2340.0			1.7		3875 Btuh
	Ceiling Total					2700 (sqft)					4471 Btuh
Floors	Type	R-Value				Size			HTM		Load
1	Slab On Grade	0.0				240 (ft(p))			0.0		0 Btuh
	Floor Total					240.0 (sqft)					0 Btuh
	Zone Envelope Subtotal:										18665 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Randall & Marsha Burnham

Project Title:

Class 3 Rating

907101ErkingerHomeBuildersBurnhamResMANJ

Registration No. 0

Climate: North

, FL

7/20/2009

Infiltration	Type SensibleNatural	ACH 0.34	Volume(cuft) 23000	CFM= 130.3	Load 2426 Btuh
Internal gain	Occupants 6	Btuh/occupant X 230 +	Appliance 3400	Load 4780 Btuh	
Duct load	Partially sealed, R6.0, Supply(Attic), Return(NoDucts) DGM = 0.00				0.0 Btuh
	Sensible Zone Load				25871 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Randall & Marsha Burnham

Project Title:

, FL

907101ErkingerHomeBuildersBurnhamResMANJ

Class 3 Rating
Registration No. 0
Climate: North

7/20/2009

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	25871 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	25871 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	25871 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	4763 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	5963 Btuh
	TOTAL GAIN	31834 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

Randall & Marsha Burnham

Project Title:
907101ErkingerHomeBuildersBurnhamResMANJ

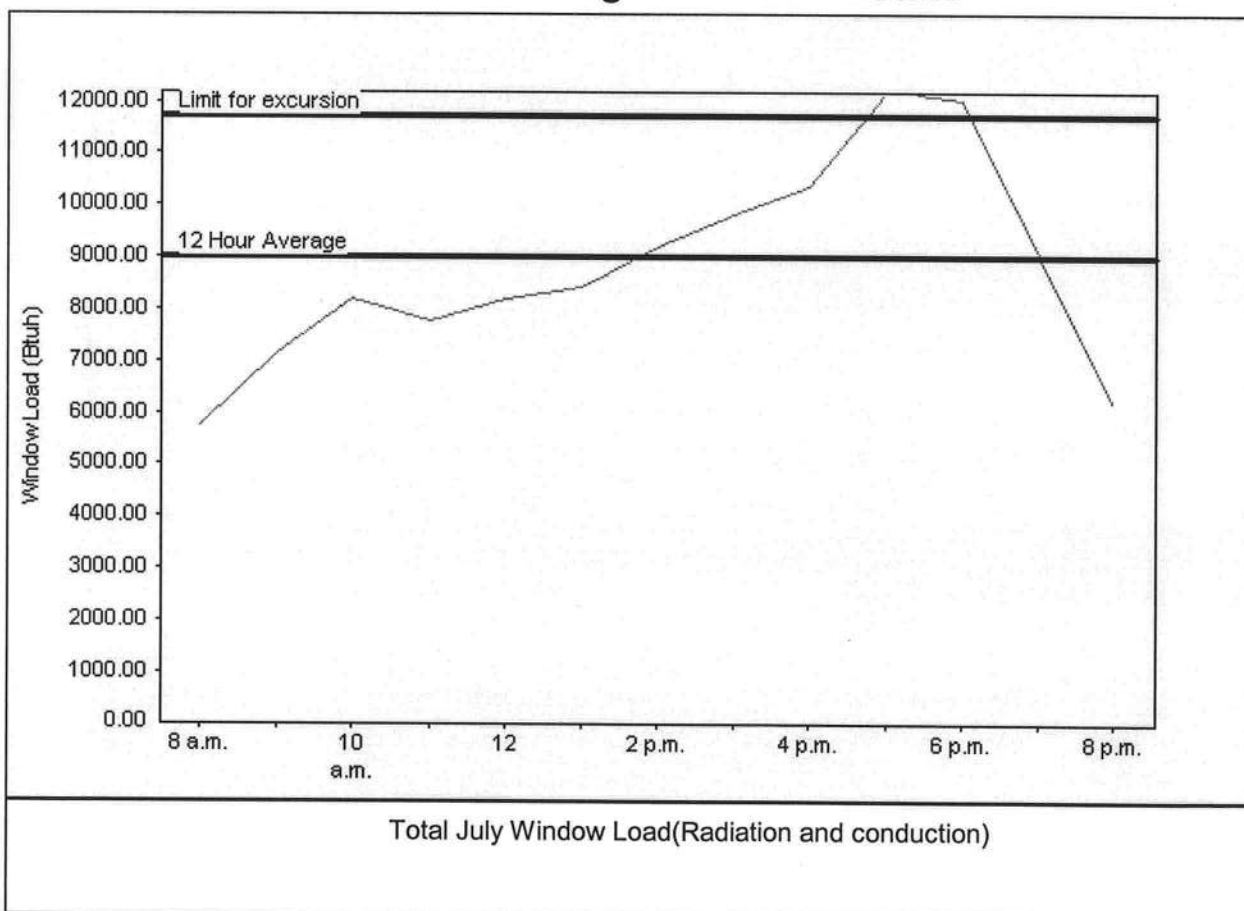
Class 3 Rating
Registration No. 0
Climate: North

7/20/2009

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	9013 Btuh
Summer setpoint	75 F	Peak window load for July	12230 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	11717 Btu
Latitude	29 North	Window excursion (July)	514 Btuh

WINDOW Average and Peak Loads



Warning: This application has glass areas that produce relatively large heat gains for part of the day. Variable air volume devices may be required to overcome spikes in solar gain for one or more rooms. A zoned system may be required or some rooms may require zone control.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: 

DATE: 7/20/09

EnergyGauge® FLR2PB v4.1





COLUMBIA COUNTY BUILDING DEPARTMENT RESIDENTIAL CHECK LIST REQUIREMENTS

MINIMUM PLAN REQUIREMENTS FOR THE FLORIDA BUILDING CODE RESIDENTIAL 2007 ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE with the Current 2007 FLORIDA BUILDING CODES RESIDENTIAL. ALL PLANS OR DRAWINGS SHALL PROVIDE 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 FLORIDA BUILDING CODES RESIDENTIAL (Florida Wind speed map) SHALL BE USED.

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

ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ----- 100 MPH

ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE -----110 MPH

NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

**GENERAL REQUIREMENTS:
APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL**

**Items to Include-
Each Box shall be
Circled as
Applicable**

		Yes	No	N/A
1	Two (2) complete sets of plans containing the following:	☒		
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void	☒		
3	Condition space (Sq. Ft.)	IIIIII	IIIIII	IIII
	Total (Sq. Ft.) under roof			

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 as per the FLORIDA BUILDING CODES RESIDENTIAL R101.2.1

Site Plan information including:

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

Wind-load Engineering Summary, calculations and any details required

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
		IIIII	IIII	IIIII
		YES	NO	N/A
8	Plans or specifications must show compliance with FBCR Chapter 3			
9	Basic wind speed (3-second gust), miles per hour	X		
10	(Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	X		
11	Wind importance factor and nature of occupancy	X		
12	The applicable internal pressure coefficient, Components and Cladding	X		
13	The design wind pressure in terms of psf (kN/m ²), to be used for the design of exterior component, cladding materials not specifically designed by the registered design professional.	X		

Elevations Drawing including:

14	All side views of the structure	X		
15	Roof pitch	X		
16	Overhang dimensions and detail with attic ventilation	X		
17	Location, size and height above roof of chimneys	X		
18	Location and size of skylights with Florida Product Approval	X		
18	Number of stories	X		
20A	Building height from the established grade to the roofs highest peak	X		

Floor Plan including:

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

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

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable
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FBCR 403: Foundation Plans

		YES	NO	N/A
29	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.	X		
30	All posts and/or column footing including size and reinforcing	X		
31	Any special support required by soil analysis such as piling.	X		
32	Assumed load-bearing value of soil _____ Pound Per Square Foot	X		
33	Location of horizontal and vertical steel, for foundation or walls (include # size and type)	X		

FBCR 506: CONCRETE SLAB ON GRADE

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

FBCR 320: PROTECTION AGAINST TERMITES

36	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	X		
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FBCR 606: Masonry Walls and Stem walls (load bearing & shear Walls)

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

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

39	Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer	X		
40	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or piers	X		
41	Girder type, size and spacing to load bearing walls, stem wall and/or piers	X		
42	Attachment of joist to girder	X		
43	Wind load requirements where applicable	X		
44	Show required under-floor crawl space			X
45	Show required amount of ventilation opening for under-floor spaces			X
46	Show required covering of ventilation opening	X		
47	Show the required access opening to access to under-floor spaces	X		
	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges &	X		

48	intermediate of the areas structural panel sheathing	X		
49	Show Draftstopping, Fire caulking and Fire blocking	X		
50	Show fireproofing requirements for garages attached to living spaces, per FBCR section 309	X		
51	Provide live and dead load rating of floor framing systems (psf).	X		

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

GENERAL REQUIREMENTS: APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
		YES	NO	N/A
52	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls	X		
53	Fastener schedule for structural members per table FBCR 602.3 are to be shown	X		
54	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	X		
55	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	X		
56	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FBCR Table 502.5 (1)	X		
57	Indicate where pressure treated wood will be placed	X		
58	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	X		
59	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail	X		

FBCR :ROOF SYSTEMS:

60	Truss design drawing shall meet section FBCR 802.10 Wood trusses	X		
61	Include a layout and truss details, signed and sealed by Florida Professional Engineer	X		
62	Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters	X		
63	Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details	X		
64	Provide dead load rating of trusses	X		

FBCR 802:Conventional Roof Framing Layout

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

FBCR Table 602,3(2) & FBCR 803 ROOF SHEATHING

69	Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness	X		
70	Show fastener Size and schedule for structural panel sheathing on the edges & intermediate areas	X		

FBCR ROOF ASSEMBLIES FRC Chapter 9

71	Include all materials which will make up the roof assemblies covering	☒		
72	Submit Florida Product Approval numbers for each component of the roof assemblies covering	☒		

FBCR Chapter 11 Energy Efficiency Code for residential building

Residential construction shall comply with this code by using the following compliance methods in the FBCR chapter 11 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*

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
		YES	NO	N/A
73	Show the insulation R value for the following areas of the structure	☒		
74	Attic space	☒		
75	Exterior wall cavity	☒		
76	Crawl space			☒

HVAC information

77	Submit two copies of a Manual J sizing equipment or equivalent computation study	☒		
78	Exhaust fans locations in bathrooms	☒		
79	Show clothes dryer route and total run of exhaust duct	☒		

Plumbing Fixture layout shown

80	All fixtures waste water lines shall be shown on the foundation plan	☒		
81	Show the location of water heater	☒		

Private Potable Water

82	Pump motor horse power	☒		
83	Reservoir pressure tank gallon capacity	☒		
84	Rating of cycle stop valve if used	☒		

Electrical layout shown including

85	Switches, outlets/receptacles, lighting and all required GFCI outlets identified	☒		
86	Ceiling fans	☒		
87	Smoke detectors & Carbon dioxide detectors	☒		
88	Service panel, sub-panel, location(s) and total ampere ratings	☒		
89	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.	☒		

90	Appliances and HVAC equipment and disconnects	X		
91	Arc Fault Circuits (AFCI) in bedrooms	X		

Disclosure Statement for Owner Builders If you as the applicant will be acting as an owner/builder under section 489.103(7) of the Florida Statutes, submit the required owner builder disclosure statement form.

Notice Of Commencement

A notice of commencement form **recorded** in the Columbia County Clerk Office is required to be filed with the building department Before Any Inspections can be preformed.

GENERAL REQUIREMENTS: APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable
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THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

		YES	NO	N/A
92	Building Permit Application A current Building Permit Application form is to be completed and submitted for all residential projects	X		
93	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	X		
94	Environmental Health Permit or Sewer Tap Approval A copy of a approved Columbia County Environmental Health (386) 758-1058			
95	City of Lake City A permit showing an approved waste water sewer tap			
96	Toilet facilities shall be provided for all construction sites	X		
97	Town of Fort White (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit.			
98	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 a 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 8.5.2 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 8.5.3 of the Columbia County Land Development Regulations	X		
99	CERTIFIED FINISHED FLOOR ELEVATIONS will be required on any project where the base flood elevation (100 year flood) has been established	X		
100	A development permit will also be required. Development permit cost is \$50.00			
101	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.			
102	911 Address: If the project is located in an area where a 911 address has not been issued, then application for a 911 address must be applied for and received through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125	X		

Section R101.2.1 of the Florida Building Code Residential:

The provisions of Chapter 1, Florida Building Code, Building shall govern the administration and enforcement of the Florida Building Code, Residential.

Section 105 of the Florida Building Code defines the:

Time limitation of application.

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.

Single-family residential dwelling.

Section 105.3.4 A building permit for a single-family residential dwelling must be issued within 30 working days of application therefor unless unusual circumstances require a longer time for processing the application or unless the permit application fails to satisfy the Florida Building Code or the enforcing agency's laws or ordinances.

Permit intent.

Section 105.4.1: A permit issued shall be constructed to be a license to proceed with the work and not as authority to violate, cancel, alter or set aside any of the provisions of the technical codes, nor shall issuance of a permit prevent the building official from thereafter requiring a correction of errors in plans, construction or violations of this code. Every permit issued shall become invalid unless the work authorized by such permit is commenced within six months after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of six months after the time the work is commenced.

If work has commenced.

Section 105.4.1.1: If work has commenced and the permit is revoked, becomes null and void, or expires because of lack of progress or abandonment, a new permit covering the proposed construction shall be obtained before proceeding with the work.

New Permit.

Section 105.4.1.2: If a new permit is not obtained within 180 days from the date the initial permit became null and void, the building official is authorized to require that any work which has been commenced or completed be removed from the building site. Alternately, a new permit may be issued on application, providing the work in place and required to complete the structure meets all applicable regulations in effect at the time the initial permit became null and void and any regulations which may have become effective between the date of expiration and the date of issuance of the new permit.

Work Shall Be:

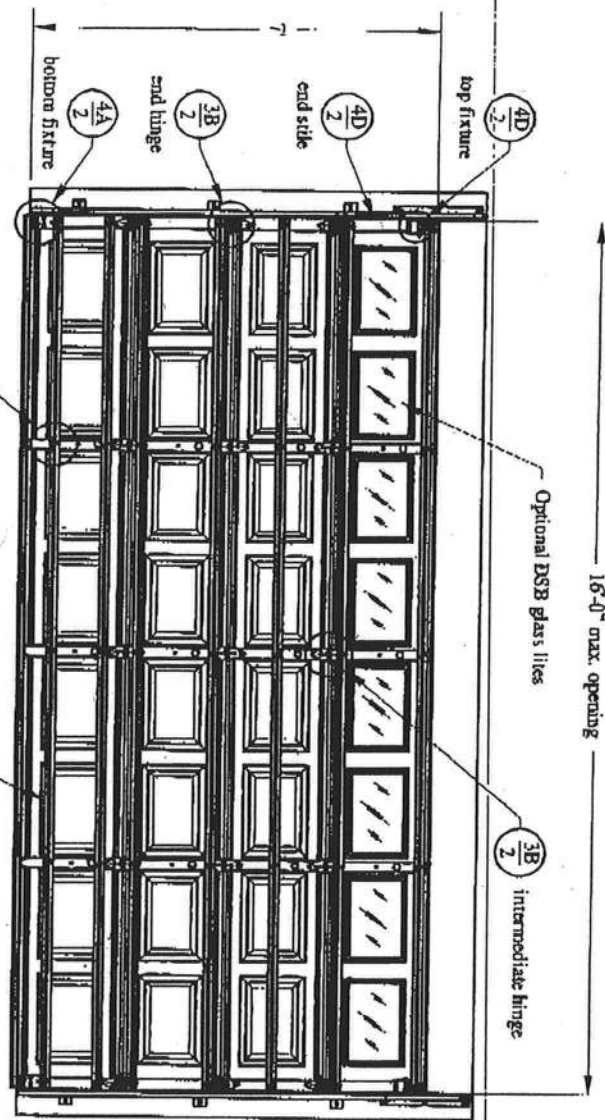
Section 105.4.1.3: Work shall be considered to be in active progress when the permit has received an approved inspection within 180 days. This provision shall not be applicable in case of civil commotion or strike or when the building work is halted due directly to judicial injunction, order or similar process.

The Fee:

Section 105.4.1.4: The fee for renewal reissuance and extension of a permit shall be set forth by the administrative authority.

When the submitted application is approved for permitting the applicant will be notified by phone as to the date and time a building permit will be prepared and issued by the Columbia County Building & Zoning Department.

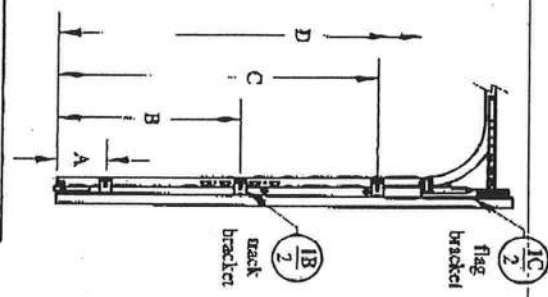
16'-0" Door



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 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"	63"	66"	
B	35"	34"	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/DASMA 108-2002
 Design Pressure (DP): 18.5 psf / 20.7 meq
 Test Pressure (TP): 27.8 psf / 31.1 meq
 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 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. Sears, P.E.
 1411 LeMay Street #205
 Carrollton, Texas 75007
 Florida P.E. # 51737

FL 5519

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

Details on some views may have been omitted for clarity.

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.

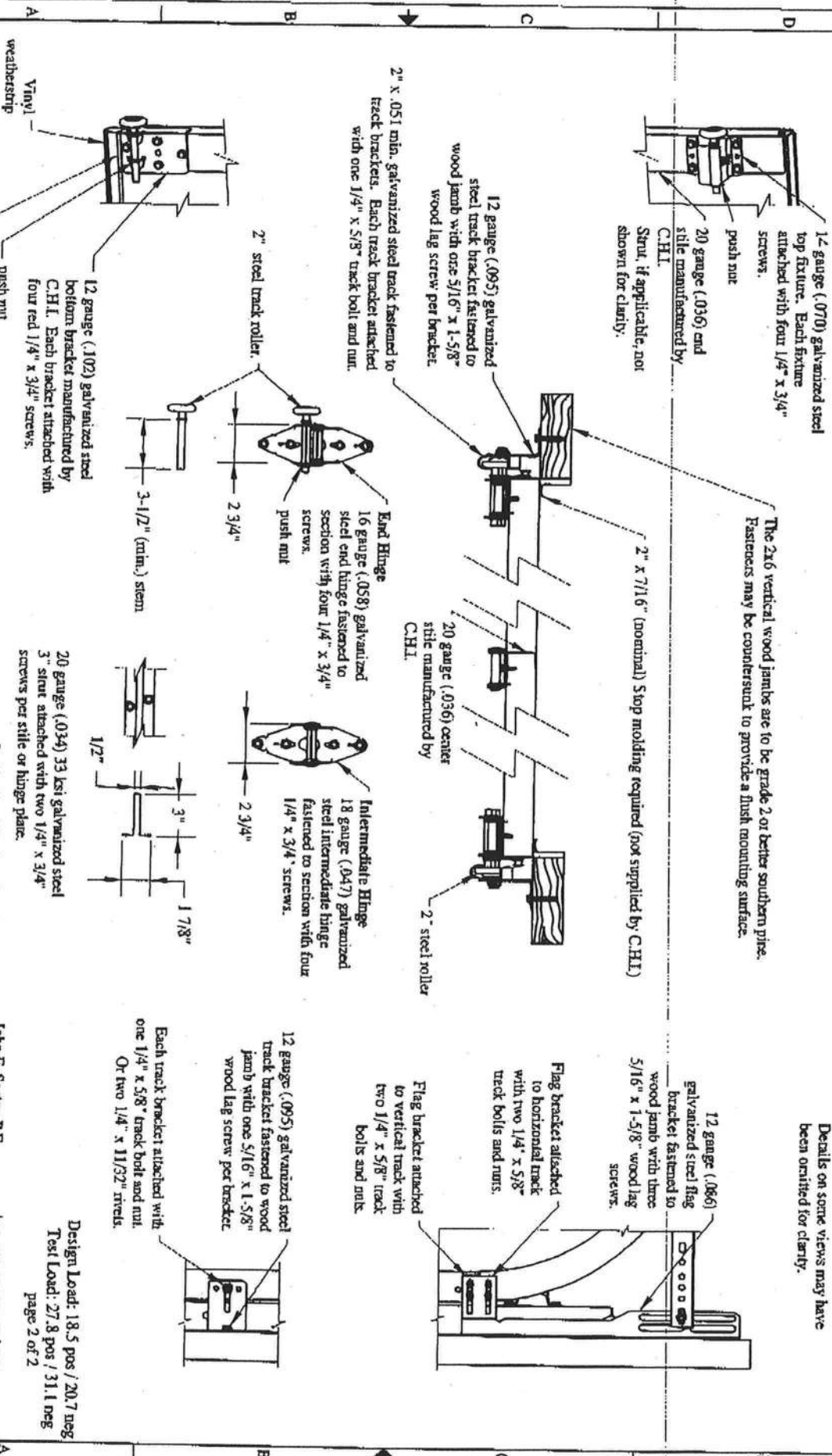
12 gauge (.095) galvanized steel track bracket fastened to wood jamb with one 5/16" x 1-5/8" wood lag screw per bracket.

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

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: Z3-1607-01100



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

Strut, if applicable, not shown for clarity.



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:

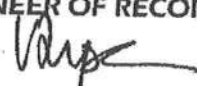
14.1.2 Glass: 3/4" Insulated Glass with the following components:

- 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	
	- 50 psf	Deflection	
		Right Stile of Bottom Vent	
		0.06"	n/a
		Interlock Rail	
		0.46'	n/a
		Bottom Rail of Bottom Vent	
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	
	- 75 psf	Permanent Set	
		Right Stile of Bottom Vent	
		0.03"	0.14'
		Interlock Rail	
		0.06'	0.16'
		Bottom Rail of Bottom Vent	

ENGINEER OF RECORD

2/19/2007



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

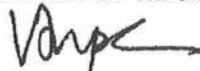
José E. Colón, E.I. - HTL, Operations Manager

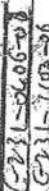
Ian McKenzie - HTL

Kevin Rouse - HTL

Jin Goto - YKK AP

ENGINEER OF RECORD


2/19/2007



27993

OK
BLK
09/02/10

ERKINGER
HOME BUILDERS, INC.

248 SE Nassau Street
Lake City, FL 32025
Lic. # CBC1257313
Lic. # RR0067135

*Contracting
Construction Management
Consulting*

Phone: 386.754.5555
Fax: 386.719.9899
www.erkingerhomes.com

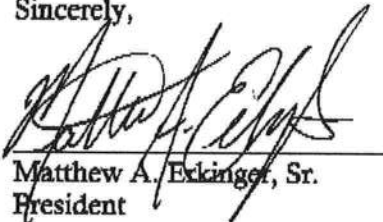
February 8, 2010

Columbia County Building Department
135 NE Hernando Ave
Lake City, FL 32055

To Whom It May Concern:

I, Matthew A. Erkinger Sr., personally measured the elevation of the slab with a laser transit at the residence of Randell and Marsha Burnham at 347 NW Bridgewater Terrace, Lake City, FL 32055; Permit number 27993. To the best of my knowledge, I certify that the slab is three inches above road level.

Sincerely,


Matthew A. Erkinger, Sr.
President

We Combine Quality & Integrity with Affordability.

COLUMBIA COUNTY FLORIDA DEPARTMENT OF BUILDING AND ZONING

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 24-3S-16-02275-107

Building permit No. 000027993

Use Classification SFD, UTILITY

Fire: 51.36

Permit Holder MATTHEW ERKINGER

Waste: 134.00

Owner of Building RANDELL & MARSHA BURNHAM

Total: 185.36

Location: 347 NW BRIDGEWATER TERR., LAKE CITY, FL

Date: 02/08/2010



Fanny Bicker

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



Your home has been professionally insulated with

FiberTEK® Fiber Glass Insulation

#27923

(Job Site Address)
 Name RANDY & MARSHA BURNHAM
 Address 347 NW BRIDGEWATER TERRACE
 City LAKE CITY State FL Zip 32055

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 insulation R-value of:	Installed insulation thickness should be:
R-11	3.5"
R-13	3.6"
R-16	3.5"
R-19*	8.28"
R-21	8.5"
R-22	8.78"
R-25	8"
R-30C	8.5"
R-30	10"
R-38C	10.28"
R-39	12"

*R-19 in 5.0" 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 absorption and installation methods. Air movement across loose fill insulation installed in open attics 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 at or above 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 Bags per 1,000 sq. ft.	Max Coverage sq. ft. per bag	Min Weight in this product (lbs)	Minimum Installed Thickness (inches)	Minimum Settled Thickness (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 (sq. ft.):	Weight per sq. ft. of installed insulation should not be less than (lbs):	Installed insulation should not be less than (inches):	Installed insulation should not be less than (inches):
60	35.6	27	0.990	22.00	22.00
49	29.8	34	0.805	18.60	18.60
44	25.6	38	0.720	16.75	16.75
38	22.8	44	0.620	14.75	14.75
30	18.0	66	0.488	12.00	12.00
28	16.6	69	0.420	10.50	10.50
22	13.1	75	0.355	9.00	9.00
19	11.1	89	0.301	7.75	7.75
13	7.8	129	0.210	5.50	5.50
11	6.6	150	0.180	4.75	4.75

MINIMUM NET BAG WEIGHT - 27 LBS.

BUILDER'S INSULATION INSTALLATION STATEMENT

INSULTEK1® FOR OPEN BLOW ATTIC:

BIG BATT™ AREA / ELEMENT R-VALUE THICKNESS

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 2300 sq. ft.
 Thickness of Insulation 12 inches

Attic R-30 at 12 inches
 Ceilings (sloped) R- at _____ 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: 2-8-10

InsulTEK1® has been installed in conformance with manufacturers recommendations to provide an R-Value of R-30
 using 42 bags of insulation to cover 2300 square feet of area at a minimum thickness of 12 inches.

Kim Delair Installation Contractor (signature) T.I. & Windows Inc. Company Name 2-8-10 Date
Matthew A. Culp Home Builder (signature) ERKINGER HOME BUILDERS INC Company Name 2-9-10 Date

Columbia County Building Permit Application

CK# 16977

For Office Use Only Application # 0907-49 Date Received 7/28/09 By GT Permit # 27993/1248

Zoning Official CSLK Date 04.08.07 Flood Zone X Land Use Res. Lnd. Dev. Zoning RSF-2

FEMA Map # N/A Elevation N/A MFE 1st Town Rd River N/A Plans Examiner [Signature] Date 8/4/09

Comments [Signature]

☒ NOC ☒ EH ☐ Dred or PA ☒ Site Plan ☐ State Road Info ☐ Parent Parcel # _____

☐ Dev Permit # _____ ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F W Comp. letter

IMPACT FEES EMS _____ Fire _____ Corr _____ Road/Code _____

School _____ = TOTAL Suspended