DATE 04/21/2010

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000028501

APPLICANT LINDA RODER PHONE 752-2281

ADDRESS 387 SW KEMP CT. LAKE CITY FL 32024

OWNER MATTHEW & JENNY SKOWRON PHONE 623-6932

ADDRESS 5482 SW CR 240 LAKE CITY FL 32024

CONTRACTOR CHRIS SHAHEEN PHONE 752-9016

LOCATION OF PROPERTY 47S, TL CR 240, 1 MILE ON RIGHT,6TH LOT ON RIGHT PAST BUTZER

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 125200.00

HEATED FLOOR AREA 1636.00 TOTAL AREA 2504.00 HEIGHT ____ STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 10/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT 20

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

NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO. ____

PARCEL ID 11-5S-16-03570-102 SUBDIVISION WILSON PLACE

LOT 2 BLOCK B PHASE ____ UNIT ____ TOTAL ACRES 5.79

000001807 ____ CBC053026 _____ Applicant/Owner/Contractor

Culvert Permit No. | Culvert Waiver | Contractor's License Number

CULVERT 10-0133 BK HD 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 1513

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ date/app. by | Foundation _____ date/app. by | Monolithic _____ date/app. by

Under slab rough-in plumbing _____ date/app. by | Slab _____ date/app. by | Sheathing/Nailing _____ date/app. by

Framing _____ date/app. by | Insulation _____ date/app. by

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

Heat & Air Duct _____ date/app. by | Peri. beam (Lintel) _____ date/app. by | Pool _____ date/app. by

Permanent power _____ date/app. by | C.O. Final _____ date/app. by | Culvert _____ date/app. by

Pump pole _____ date/app. by | Utility Pole _____ date/app. by | M/H tie downs, blocking, electricity and plumbing _____ date/app. by

Reconnection _____ date/app. by | RV _____ date/app. by | Re-roof _____ date/app. by

BUILDING PERMIT FEE $ 630.00 CERTIFICATION FEE $ 12.52 SURCHARGE FEE $ 12.52

MISC. FEES $ 0.00 ZONING CERT. FEE $ 50.00 FIRE FEE $ 0.00 WASTE FEE $ ____

FLOOD DEVELOPMENT FEE $ ____ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ 25.00 **TOTAL FEE** 755.04

INSPECTORS OFFICE _____ CLERKS OFFICE CH

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

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

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

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

Columbia County Building Permit Application

For Office Use Only Application # 1003-45 Date Received 3/26/10 By [illegible] Permit # 28501

Zoning Official BLK Date 21.04.10 Flood Zone X Land Use A-3 Zoning A-3

FEMA Map # N/A Elevation N/A MFE 1ft above River N/A Plans Examiner LDO Date 4-8-10

Comments

☐ NOC ☑ EH ☑ Deed 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 N/A Sospended ☑ VF complete

Septic Permit No. Fax 386-752-2282

Name Authorized Person Signing Permit Linda Roder Phone 386-752-2281

Address 387 SW Kemp Ct Lake City FL 32024

Owners Name Matthew & Jenny Skowron Phone 623-6932

911 Address 5482 SW County Rd 240 Lake City FL 32024

Contractors Name Chris Shaheen Phone 752-9016

Address 489 SW Dockery LN Lake City FL 32024

Fee Simple Owner Name & Address NA

Bonding Co. Name & Address NA

Architect/Engineer Name & Address Daniel Shaheen

Mortgage Lenders Name & Address Alarion Bank

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

Property ID Number 11-55-16-03510-102 Estimated Cost of Construction 175 K

Subdivision Name Wilson Place Lot 2 Block B Unit Phase

Driving Directions SR 47 South, Turn Lon CR 242, Site approx 1 mile on R (third lot past Richard Carey Residence) 6th lot on right past Butzer Dr

Number of Existing Dwellings on Property 0

Construction of Single family dwelling Total Acreage 5.79 Lot Size 5.79

Do you need a (Culvert Permit) or Culvert Waiver or Have an Existing Drive Total Building Height 20'

Actual Distance of Structure from Property Lines - Front 80' Side 60' Side 201' Rear 670'

Number of Stories 1 Heated Floor Area 1636 Total Floor Area 2504 Roof Pitch 10-12 4-12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

spoke w/ Chris 4/21/10 left message Linda 4/22/10

Columbia County Building Permit Application

TIME LIMITATIONS 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.

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 COMMENCMENT 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 CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.

NOTICE TO OWNER: There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. It may be to your advantage to check and see if your property is encumbered by any restrictions.

Jennifer Stagmiller

(Owners Must Sign All Applications Before Permit Issuance.)

X _____

Owners Signature ****OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE BUILDING PERMIT**

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.

X _____

Contractor's Signature (Permitee)

Contractor's License Number CBC053026
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 4 **day of** Mar **20**10

Personally known ✓ **or Produced Identification** _____

_____ **SEAL:**

State of Florida Notary Signature (For the Contractor)

NOTARY PUBLIC-STATE OF FLORIDA
Linda R. Roder
Commission #DD755608
Expires: MAR. 24, 2012
BONDED THRU ATLANTIC BONDING CO., INC.

8-0750

R10.00
cc 3.00

TO: Marlin Feagle / Mrs. Diane
FR: Laurie Hodson, B&Z

THIS INSTRUMENT PREPARED BY
AND RETURN TO:
Brick City Title Insurance Agency, Inc.
2303 SE Fort King Street
Ocala, FL 34471

Inst. 201012005002 Date: 3/31/2010 Time: 11:42 AM
DC,P. DeWitt Cason, Columbia County Page 1 of 1 B:1191 P:1977

Parcel I.D. #: ***11-5S-16-03570-102***

SPACE ABOVE THIS LINE FOR PROCESSING DATA *SPACE ABOVE THIS LINE FOR RECORDING DATA*

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF ~~COLUMBIA~~ Alachua

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

1. Description of property: (Legal description of property, lot, block, and street address if available)

   Lot 2, Block B, WILSON PLACE, according to the Plat thereof as recorded in Plat Book 7, Page 85, Public Records of Columbia County, Florida.

2. General description of improvement: **construction of single family dwelling**

3. Owner information:
   a. Name and address:
      Matthew J. Skowron and Jennifer Skowron
      489 SW Prism Court, Lake City, FL 32024
   b. Interest in property: **Fee Simple**
   c. Name and Address of Fee Simple Titleholder (if other than owner):

4. Contractor - Qualifier Name and Address:
   Shaheen & Sons, Inc. a Florida Corporation/Christopher Shaheen
   489 SW Dockery Lane, Lake City, FL 32024

5. Surety (if any):
   a. Name and Address: N/A
      Amount of Bond $N/A_____

6. Lender: (Name and Address)
   Alarion Bank, One N.E. First Avenue, Ocala, FL. 34470

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes: (Name and Address)
   Brick City Title Insurance Agency, Inc., 2303 SE Fort King Street, Ocala, FL 34471

8. In addition to him/herself, Owner designates the following person(s) to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes: (Name and Address)
   Alarion Bank, One N.E. First Avenue, Ocala, FL. 34470

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.

Verification pursuant to Section 92.525, 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.

_____{SEAL}
Matthew J. Skowron
Signature of Owner (or Owner's Authorized Officer/Director/Partner/Manager)

_____{SEAL}
Jennifer Skowron
Signature of Owner (or Owner's Authorized Officer/Director/Partner/Manager)

Sworn to and subscribed before me this 26th day of ~~February~~ March, 2010, by **Matthew J. Skowron and Jennifer Skowron**, who are personally known to me or who have produced FLDLs as identification.

_____
Notary Public
My Commission Expires: 1/21/11

GRANDIE T. [illegible]
MY COMMISSION [illegible]
January 21, 2011

Columbia County, Florida
Planning & Zoning Department

Review of Building Permit for compliance with County's Comprehensive Plan and Land Development Regulations

To: Linda Roder **Fax:** 386.752.2282

From : Brian L. Kepner, County Planner **Fax:** 386.758.2160

Number of Pages : 3

Date : 9 April 2010

RE: Building Permit Application 1003-45, Matthew and Jenny Skowron

Dear Linda:

The above referenced building permit application is for Lot 2, Block B Wilson place Subdivision. This is located on County Road 240. The Columbia County LDR's and plat requires that Lot 2 and Lot 1 have a shared driveway for access management purposes. I have attached a copy of the plat showing the shared driveway. Please submit a new site plan showing the location of the shared driveway. In addition, please check with 911 addressing as this will change the address for the residence. I have copied them on this facsimile.

If you have any questions concerning this matter, please do not hesitate to contact me at 754.7119.

Sincerely,

Brian L. Kepner
Land Development Regulation Administrator,
County Planner

attachment

xc: 911 Addressing Department

Columbia County, Florida
Building & Zoning Department

Number of pages including cover sheet 5

Date 9 APRIL 2010

To:
RON CROFT

Phone:

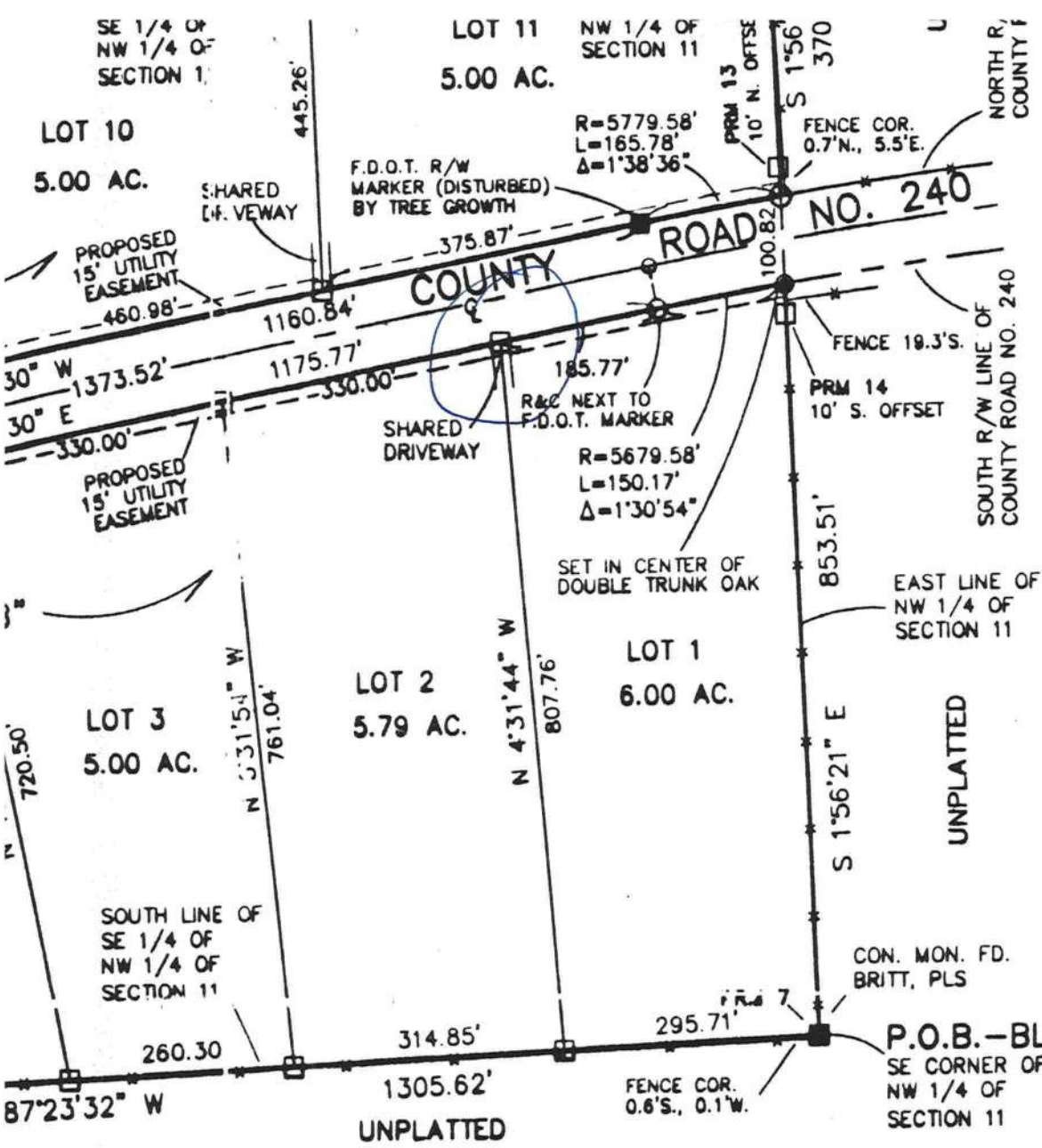
Fax: 758.1365

From:
Brian L. Kepner
County Planner

Phone: 386-758-1008
Fax: 386-758-2160

Remarks: □ Urgent □ For review □ ASAP □ Please comment

Ron - Here is your copy that we discussed earlier today.



the East line of the North
line of County Road No. 2
5779.58 feet and a centra
Northerly Right-of-Way lir
along said Northerly Righ
1/4 of said Section 11; th
feet to the Point of Curva
central angle of 2°28'00";
Right-of-Way line, 248.82
Northerly Right-of-Way li
line of the Southwest 1/4
North line 776.10 feet to
thence run N 87°22'55" E
distance of 1315.03 feet

AND ALSO:

BEGIN at the Southeast
Columbia County, Florid
Northwest 1/4 of said Se
the Northwest 1/4 of saic
of the Northwest 1/4 of s
560.87 feet to the South
said Southerly Right-of-V
having a radius of 5679.
said curve, being also s
run N 79°09'30" E still al
1/4 of the Northwest 1/4
Right-of-Way line 1175.7
5679.58 feet and a centr
Northerly Right-of-Way l
S 01°56'21" E along sai

ALTOGETHER, Contair

TION

ALL MEN BY THESE PRESENTS that
an Philpot & Leanne Brown Philpot, as owners,
Wilson, Jr. & Clem T. Wilson, as mortgage holders,
lands hereon shown to be surveyed, subdivided and platted,
as WILSON PLACE, and that all easements are
dicated to the perpetual use of the Public
s shown hereon.

an Philpot

Witness

Witness

own Philpot

Witness

Witness

ion, Jr.
holder

Witness

Witness

T. Wilson
lson
holder

ACKNOWLEDGEMENT

NOTARY SEAL

The foregoing dedication was acknowledged before me this 16th day of Oct, 2001, by Richard Bryan Philpot, as owner. He is personally known to me or has produced _____ as identification and (did / did not) take an oath.

ELAINE K. TOLAR
MY COMMISSION # DD 031554
EXPIRES: October 2, 2005
Bonded Thru Notary Public Underwriters

My Commission Expires:

STATE OF FLORIDA
COUNTY OF COLUMBIA

SIGNED: Elaine K Tolar
Notary Public

ACKNOWLEDGEMENT

NOTARY SEAL

The foregoing dedication was acknowledged before me this 16th day of Oct, 2001, by Leanne Brown Philpot, as owner. She is personally known to me or has produced _____ as identification and (did / did not) take an oath.

ELAINE K. TOLAR
MY COMMISSION # DD 031554
EXPIRES: October 2, 2005
Bonded Thru Notary Public Underwriters

My Commission Expires:

STATE OF FLORIDA
COUNTY OF COLUMBIA

SIGNED: Elaine K Tolar
Notary Public

ACKNOWLEDGEMENT

NOTARY

The foregoing dedication was acknowledged before me this 5 day of Oct, 2001, by Ray V. Wilson Jr., as mortgage holder. He is personally known to

1003-45
5 Cowron

COLUMBIA COUNTY 9-1-1 ADDRESSING

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

Addressing Maintenance

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

DATE REQUESTED: 3/5/2010 **DATE ISSUED:** 3/8/2010

4/12/10 - Re-assigned.

ENHANCED 9-1-1 ADDRESS:

5482 SW COUNTY ROAD 240
LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

11-5S-16-03570-102

Remarks:

LOT 2 BLOCK B WILSON PLACE S/D (WAS 5514, CHANGED DUE TO INCORRECT ACCESS TO STRUCTURE)

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

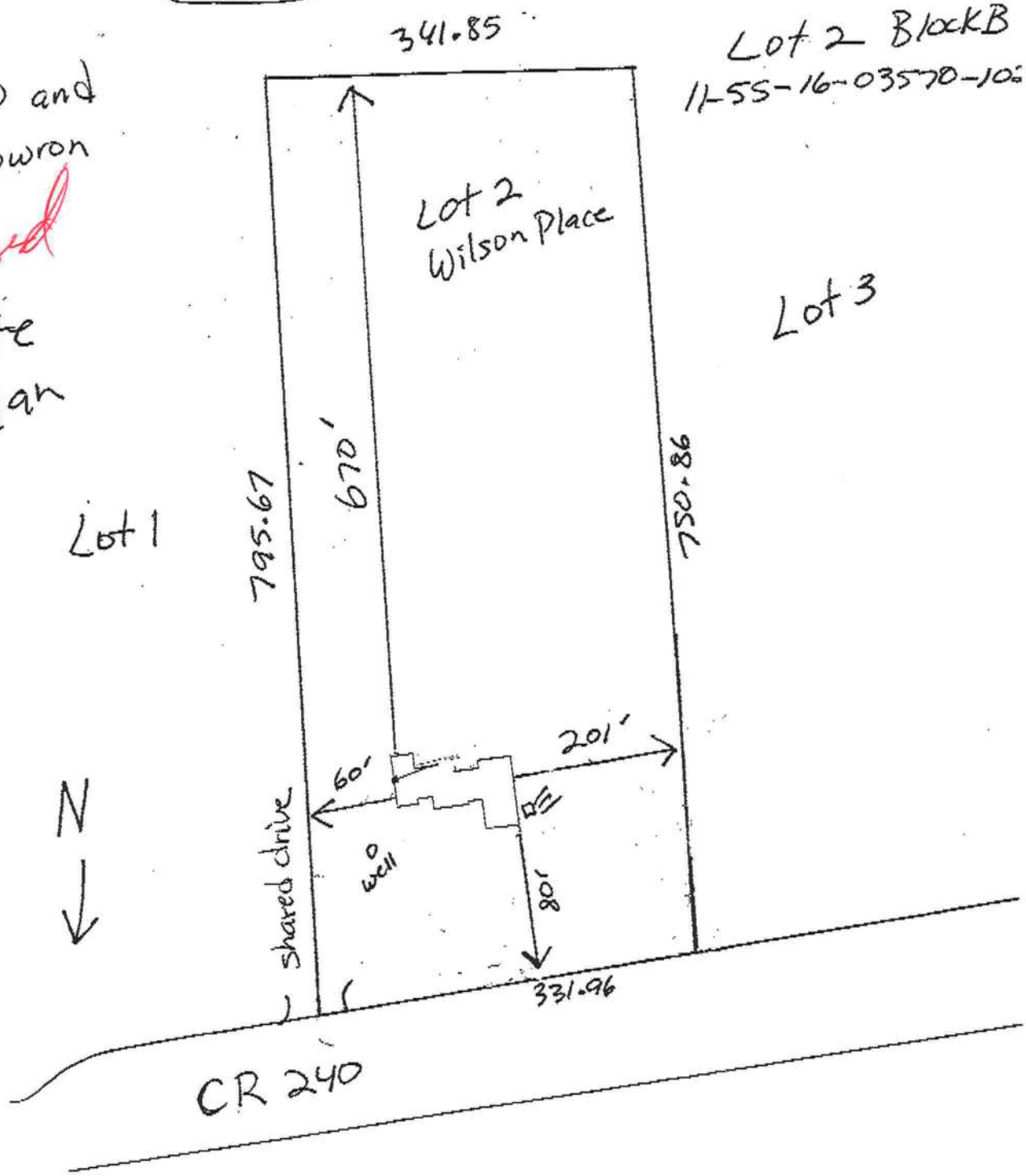
NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

1655

1003-45

Matthew and Jenny Skowron

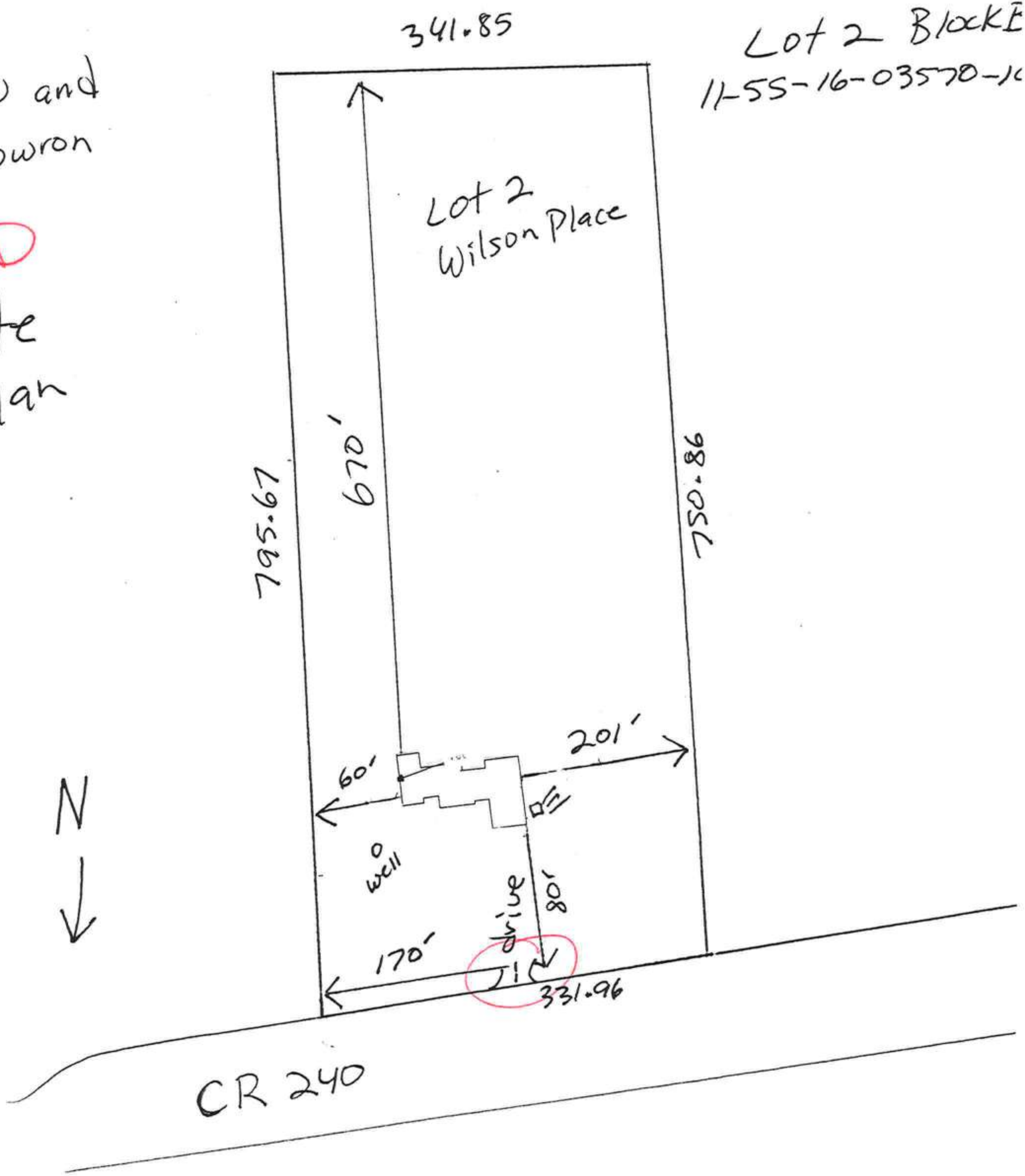
Revised Site Plan



Matthew and Jenny Skowron

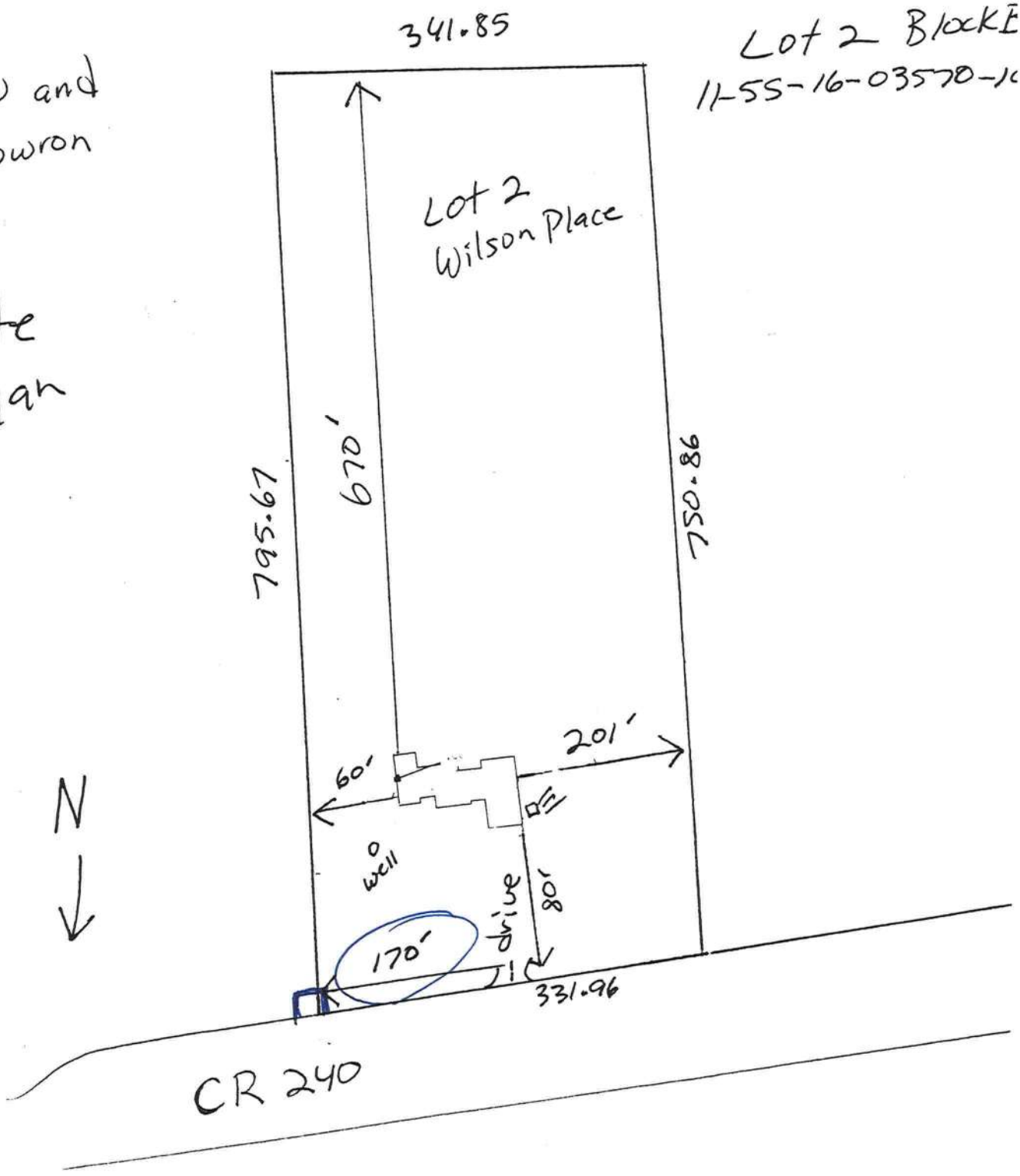
O2D

Site Plan



Matthew and Jenny Skowron

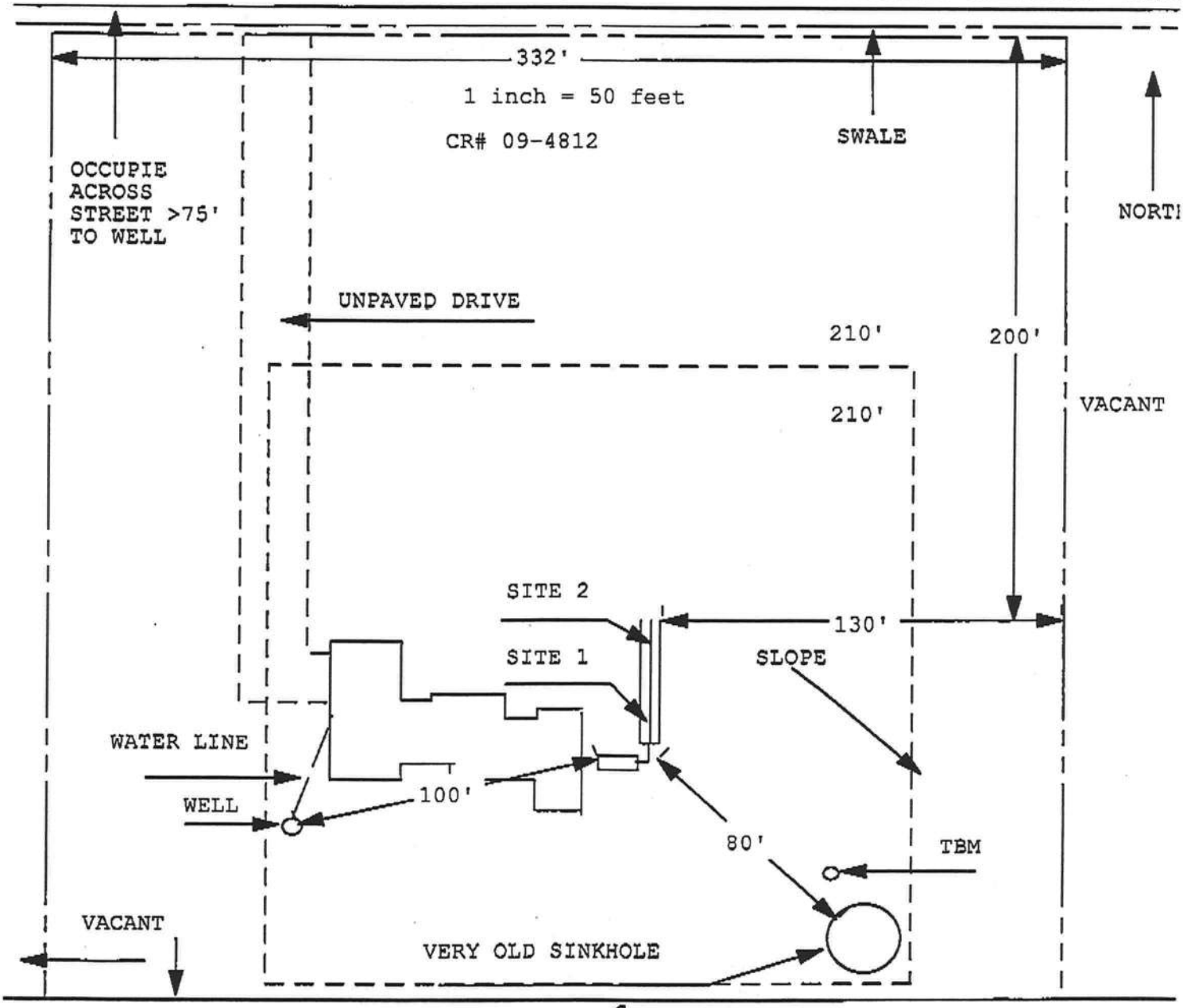
Site Plan



Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: 10-0133

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNI



Site Plan Submitted By Paul K Clay Date 2/18/10

Plan Approved ✓ Not Approved ___ Date ___

By Sallie Ford. EH Director 3.17.10 CPHU

Notes: Columbia CHD

FORM 1100A-08

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

Project Name:	Matthew Skowron Residence	Builder Name:	Shaheen & Sons
Street:		Permit Office:	Columbia
City, State, Zip:	Lake City , FL , 32024-	Permit Number:	28501
Owner:	Matthew Skowron	Jurisdiction:	221000
Design Location:	FL, Gainesville		

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?	No
6. Conditioned floor area (ft²)	1635

7. Windows

	Description	Area
a. U-Factor: SHGC:	Dbl, U=0.33 SHGC=0.29	284.00 ft²
b. U-Factor: SHGC:	N/A	ft²
c. U-Factor: SHGC:	N/A	ft²
d. U-Factor: SHGC:	N/A	ft²
e. U-Factor: SHGC:	N/A	ft²

8. Floor Types

	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	1635.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types

	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	1889.30 ft²
b. Frame - Wood, Adjacent	R=13.0	256.00 ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types

	Insulation	Area
a. Under Attic (Vented)	R=30.0	1635.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

11. Ducts

a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6, 267 ft²

12. Cooling systems

a. Central Unit — Cap: 36.0 kBtu/hr SEER: 13

13. Heating systems

a. Electric Heat Pump — Cap: 36.0 kBtu/hr HSPF: 8.2

14. Hot water systems

a. Electric — Cap: 50 gallons EF: 0.93

b. Conservation features
None

15. Credits — Pstat

Glass/Floor Area: 0.174

Total As-Built Modified Loads: 31.96

Total Baseline Loads: 38.27

PASS

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

PREPARED BY: _____

DATE: 2-18-10

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

OWNER/AGENT: _____

DATE: 2/4/10

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:	Matthew Skowron Residence	Bedrooms:	3	Adress Type:	Lot Information
Building Type:	FLAsBuilt	Conditioned Area:	1635	Lot #	2
Owner:	Matthew Skowron	Total Stories:	1	SubDivision:	Wilson Place
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:	Shaheen & Sons	Rotate Angle:	0	Street:	
Permit Office:		Cross Ventilation:		County:	Columbia
Jurisdiction:		Whole House Fan:		City, State, Zip:	Lake City , FL , 32024-
Family Type:	Single-family				
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

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

FLOORS

√	#	Floor Type	Perimeter	R-Value	Area	Tile	Wood	Carpet
____	1	Slab-On-Grade Edge Insulatio	232 ft	0	1635 ft²	0	0	1

ROOF

√	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
____	1	Hip	Composition shingles	1894 ft²	0 ft²	Medium	0.96	No	0	30.3 deg

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
____	1	Full attic	Vented	300	1635 ft²	N	N

CEILING

√	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
____	1	Under Attic (Vented)	30	1635 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	108 ft²		0.23	0.75
____	2	W	Exterior	Frame - Wood	13	18 ft²		0.23	0.75
____	3	N	Exterior	Frame - Wood	13	113.33 ft²		0.23	0.75
____	4	E	Exterior	Frame - Wood	13	50 ft²		0.23	0.75
____	5	N	Exterior	Frame - Wood	13	130 ft²		0.23	0.75
____	6	W	Exterior	Frame - Wood	13	13.33 ft²		0.23	0.75
____	7	N	Exterior	Frame - Wood	13	63.33 ft²		0.23	0.75
____	8	W	Garage	Frame - Wood	13	80 ft²		0.23	0.01
____	9	N	Garage	Frame - Wood	13	176 ft²		0.23	0.01

WALLS

√	#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
____	10	W	Exterior	Frame - Wood	13	168 ft²		0.23	0.75
____	11	S	Exterior	Frame - Wood	13	245 ft²		0.23	0.75
____	12	E	Exterior	Frame - Wood	13	60 ft²		0.23	0.75
____	13	S	Exterior	Frame - Wood	13	186.67 ft²		0.23	0.75
____	14	E	Exterior	Frame - Wood	13	36.67 ft²		0.23	0.75
____	15	S	Exterior	Frame - Wood	13	130 ft²		0.23	0.75
____	16	W	Exterior	Frame - Wood	13	144 ft²		0.23	0.75
____	17	S	Exterior	Frame - Wood	13	108 ft²		0.23	0.75
____	18	E	Exterior	Frame - Wood	13	315 ft²		0.23	0.75

DOORS

√	#	Ornt	Door Type	Storms	U-Value	Area
____	1	N	Wood	None	0.460000	33.33333
____	2	N	Wood	None	0.460000	20 ft²
____	3	E	Wood	None	0.460000	20 ft²
____	4	S	Wood	None	0.460000	48 ft²

WINDOWS

Orientation shown is the entered, asBuilt orientation.

√	#	Ornt	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
____	1	N	Vinyl	Double (Tinted)	Yes	0.33	0.29	N	22 ft²	1 ft 6 in	0 ft 0 in	HERS 2006	None
____	2	N	Vinyl	Double (Tinted)	Yes	0.33	0.29	N	12 ft²	10 ft 6 in	0 ft 0 in	HERS 2006	None
____	3	N	Vinyl	Double (Tinted)	Yes	0.33	0.29	N	36 ft²	6 ft 6 in	0 ft 0 in	HERS 2006	None
____	4	W	Vinyl	Double (Tinted)	Yes	0.33	0.29	N	16 ft²	1 ft 6 in	0 ft 0 in	HERS 2006	None
____	5	S	Vinyl	Double (Tinted)	Yes	0.33	0.29	N	60 ft²	1 ft 6 in	0 ft 0 in	HERS 2006	None
____	6	S	Vinyl	Double (Tinted)	Yes	0.33	0.29	N	48 ft²	6 ft 6 in	0 ft 0 in	HERS 2006	None
____	7	E	Vinyl	Double (Tinted)	Yes	0.33	0.29	N	15 ft²	13 ft 6 in	0 ft 0 in	HERS 2006	None
____	8	W	Vinyl	Double (Tinted)	Yes	0.33	0.29	N	15 ft²	1 ft 6 in	0 ft 0 in	HERS 2006	None
____	9	S	Vinyl	Double (Tinted)	Yes	0.33	0.29	N	30 ft²	1 ft 6 in	0 ft 0 in	HERS 2006	None
____	10	E	Vinyl	Double (Tinted)	Yes	0.33	0.29	N	30 ft²	1 ft 6 in	0 ft 0 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	1544	6.30	84.8	159.4	0 cfm	0 cfm	0	0

GARAGE

√	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
____	1	484 ft²	484 ft²	64 ft	8 ft	(invalid)

COOLING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ducts
____	1	Central Unit	None	SEER: 13	36 kBtu/hr	1080 cfm	0.75	sys#1

HEATING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Ducts
____	1	Electric Heat Pump	None	HSPF: 8.2	36 kBtu/hr	sys#1

HOT WATER SYSTEM

√	#	System Type	EF	Cap	Use	SetPnt	Conservation
____	1	Electric	0.93	50 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 ---- Location	R-Value	Area	---- Return ---- Location	Area	Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
____	1	Attic	6	267 ft²	Attic	81.75 ft	Default Leakage	Interior	(Default)	(Default) %		

TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Cooling	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]
Heating	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]
Venting	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]

Thermostat Schedule: HERS 2006 Reference		Hours											
Schedule Type		1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	80	80	80	80
	PM	80	80	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	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66
Heating (WEH)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66

FORM 1100A-08

Code Compliance Cheklist

Residential Whole Building Performance Method A - Details

ADDRESS:	PERMIT #:
Lake City, FL, 32024-	

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* = 84

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

, Lake City, FL, 32024-

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?		No
6. Conditioned floor area (ft²)		1635
7. Windows**	Description	Area
a. U-Factor: SHGC:	Dbl, U=0.33 SHGC=0.29	284.00 ft²
b. U-Factor: SHGC:	N/A	ft²
c. U-Factor: SHGC:	N/A	ft²
d. U-Factor: SHGC:	N/A	ft²
e. U-Factor: SHGC:	N/A	ft²

8. Floor Types	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	1635.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	1889.30 ft²
b. Frame - Wood, Adjacent	R=13.0	256.00 ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=30.0	1635.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

11. Ducts
a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6, 267 ft²

12. Cooling systems
a. Central Unit — Cap: 36.0 kBtu/hr SEER: 13

13. Heating systems
a. Electric Heat Pump — Cap: 36.0 kBtu/hr HSPF: 8.2

14. Hot water systems
a. Electric — Cap: 50 gallons EF: 0.93

b. Conservation features
None

15. Credits — Pstat

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

Builder Signature: _____ Date: _____

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

*Note: The home's estimated Energy Performance Index is only available through the EnergyGauge USA - FlaRes2008 computer program. This is not a Building Energy Rating. If your Index is below 100, your home may qualify for incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at (321) 638-1492 or see the Energy Gauge web site at energygauge.com for information and a list of certified Raters. For information about Florida's Energy Efficiency Code for Building Construction, contact the Department of Community Affairs at (850) 487-1824.

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

Residential System Sizing Calculation

Summary

Matthew Skowron

Lake City, FL 32024-

Project Title:
Matthew Skowron Residence

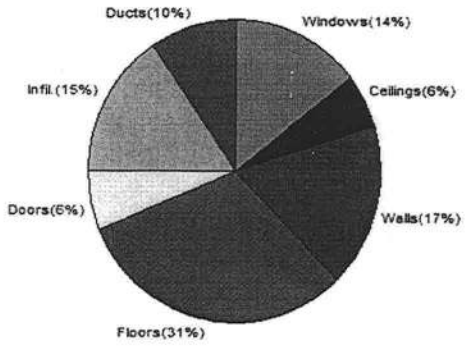
2/18/2010

Location for weather data: Gainesville, FL - Defaults: Latitude(29.7) Altitude(152 ft.) Temp Range(M) Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)					
Winter design temperature(MJ8 99%)	33	F	Summer design temperature(MJ8 99%)	92	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	17	F
Total heating load calculation	**32680**	**Btuh**	**Total cooling load calculation**	**23581**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	110.2	36000	Sensible (SHR = 0.75)	147.3	27000
Heat Pump + Auxiliary(0.0kW)	110.2	36000	Latent	171.6	9000
			Total (Electric Heat Pump)	152.7	36000

WINTER CALCULATIONS

Winter Heating Load (for 1635 sqft)

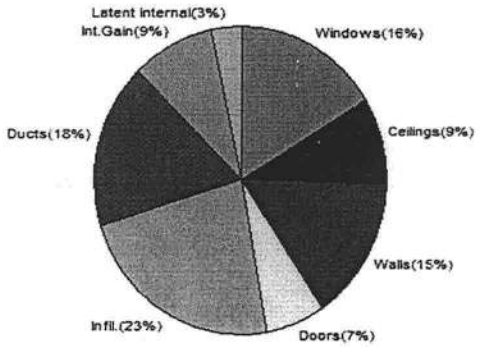
Load component			Load	
Window total	284	sqft	4729	Btuh
Wall total	1740	sqft	5714	Btuh
Door total	121	sqft	2065	Btuh
Ceiling total	1635	sqft	1927	Btuh
Floor total	1635	sqft	10129	Btuh
Infiltration	123	cfm	4967	Btuh
Duct loss			3149	Btuh
Subtotal			**32680**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**32680**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1635 sqft)

Load component			Load	
Window total	284	sqft	3835	Btuh
Wall total	1740	sqft	3493	Btuh
Door total	121	sqft	1563	Btuh
Ceiling total	1635	sqft	2187	Btuh
Floor total			0	Btuh
Infiltration	98	cfm	1826	Btuh
Internal gain			2120	Btuh
Duct gain			3312	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Blower Load			0	Btuh
Total sensible gain			**18335**	**Btuh**
Latent gain(ducts)			860	Btuh
Latent gain(infiltration)			3585	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			800	Btuh
Total latent gain			**5245**	**Btuh**
TOTAL HEAT GAIN			**23581**	**Btuh**



Powered by ACCA MANUAL J 8th Edition

EnergyGauge® System Sizing
PREPARED BY:
DATE: 2-18-10

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Matthew Skowron

Lake City, FL 32024-

Project Title:
Matthew Skowron Residence
Building Type: User

2/18/2010

Reference City: Gainesville, FL (Defaults) Winter Temperature Difference: 37.0 F (MJ8 99%)

Component Loads for Whole House

Window	Panes/Type	Frame	U	Orientation	Area(sqft) X	HTM=	Load
1	2, NFRC 0.32	Metal	0.45	N	22.0	16.6	366 Btuh
2	2, NFRC 0.32	Metal	0.45	N	12.0	16.6	200 Btuh
3	2, NFRC 0.32	Metal	0.45	N	36.0	16.6	599 Btuh
4	2, NFRC 0.32	Metal	0.45	W	16.0	16.6	266 Btuh
5	2, NFRC 0.32	Metal	0.45	S	60.0	16.6	999 Btuh
6	2, NFRC 0.32	Metal	0.45	S	48.0	16.6	799 Btuh
7	2, NFRC 0.32	Metal	0.45	E	15.0	16.6	250 Btuh
8	2, NFRC 0.32	Metal	0.45	W	15.0	16.6	250 Btuh
9	2, NFRC 0.32	Metal	0.45	S	30.0	16.6	500 Btuh
10	2, NFRC 0.32	Metal	0.45	E	30.0	16.6	500 Btuh
	Window Total				284.0(sqft)		4729 Btuh

Walls	Type	Ornt.	Ueff.	R-Value (Cav/Sh)	Area X	HTM=	Load
1	Frame - Wood	- Ext	(0.089)	13.0/0.0	86	3.28	282 Btuh
2	Frame - Wood	- Ext	(0.089)	13.0/0.0	18	3.28	59 Btuh
3	Frame - Wood	- Ext	(0.089)	13.0/0.0	101	3.28	333 Btuh
4	Frame - Wood	- Ext	(0.089)	13.0/0.0	50	3.28	164 Btuh
5	Frame - Wood	- Ext	(0.089)	13.0/0.0	94	3.28	309 Btuh
6	Frame - Wood	- Ext	(0.089)	13.0/0.0	13	3.28	44 Btuh
7	Frame - Wood	- Ext	(0.089)	13.0/0.0	30	3.28	99 Btuh
8	Frame - Wood	- Adj	(0.089)	13.0/0.0	80	3.28	263 Btuh
9	Frame - Wood	- Adj	(0.089)	13.0/0.0	156	3.28	512 Btuh
10	Frame - Wood	- Ext	(0.089)	13.0/0.0	152	3.28	499 Btuh
11	Frame - Wood	- Ext	(0.089)	13.0/0.0	185	3.28	608 Btuh
12	Frame - Wood	- Ext	(0.089)	13.0/0.0	40	3.28	131 Btuh
13	Frame - Wood	- Ext	(0.089)	13.0/0.0	139	3.28	455 Btuh
14	Frame - Wood	- Ext	(0.089)	13.0/0.0	22	3.28	71 Btuh
15	Frame - Wood	- Ext	(0.089)	13.0/0.0	82	3.28	269 Btuh
16	Frame - Wood	- Ext	(0.089)	13.0/0.0	129	3.28	424 Btuh
17	Frame - Wood	- Ext	(0.089)	13.0/0.0	78	3.28	256 Btuh
18	Frame - Wood	- Ext	(0.089)	13.0/0.0	285	3.28	936 Btuh
	Wall Total				1740(sqft)		5714 Btuh

Doors	Type	Storm	Ueff.	Area X	HTM=	Load
1	Wood - Exterior,	n	(0.460)	33	17.0	567 Btuh
2	Wood - Garage,	n	(0.460)	20	17.0	340 Btuh
3	Wood - Exterior,	n	(0.460)	20	17.0	340 Btuh
4	Wood - Exterior,	n	(0.460)	48	17.0	817 Btuh
	Door Total			121(sqft)		2065Btuh

Ceilings	Type/Color/Surface	Ueff.	R-Value	Area X	HTM=	Load
1	Vented Attic/L/Shing	(0.032)	30.0/0.0	1635	1.2	1927 Btuh
	Ceiling Total			1635(sqft)		1927Btuh

Floors	Type	Ueff.	R-Value	Size X	HTM=	Load
1	Slab On Grade	(1.180)	0.0	232.0 ft(perim.)	43.7	10129 Btuh
	Floor Total			1635 sqft		10129 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Matthew Skowron

Lake City, FL 32024-

Project Title:
Matthew Skowron Residence
Building Type: User

2/18/2010

			Envelope Subtotal:			24564 Btuh
Infiltration	Type Natural	ACH 0.50	Volume(cuft) 14715	Wall Ratio 1.00	CFM= 122.6	4967 Btuh
Duct load	Average sealed, R6.0, Supply(Att), Return(Att)			(DLM of 0.107)		3149 Btuh
All Zones			**Sensible Subtotal All Zones**			**32680 Btuh**

WHOLE HOUSE TOTALS

Totals for Heating	Subtotal Sensible Heat Loss Ventilation Sensible Heat Loss Total Heat Loss	32680 Btuh 0 Btuh 32680 Btuh

EQUIPMENT

1. Electric Heat Pump	#	36000 Btuh

Key: Window types - NFRC (Requires U-Factor and Shading coefficient(SHGC) of glass as numerical values)
or - Glass as 'Clear' or 'Tint' (Uses U-Factor and SHGC defaults)
U - (Window U-Factor)
HTM - (ManualJ Heat Transfer Multiplier)

Version 8

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Matthew Skowron

Lake City, FL 32024-

Project Title:
Matthew Skowron Residence

2/18/2010

Reference City: Gainesville, FL Temperature Difference: 17.0F(MJ8 99%) Humidity difference: 54gr.

Component Loads for Whole House

Window	Type* Panes	SHGC	U	InSh	IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2 NFRC	0.32, 0.45	B-L	No	N		1.5ft	0.0ft	22.0	0.0	22.0	11	11	243 Btuh
2	2 NFRC	0.32, 0.45	B-L	No	N		10.5f	0.0ft	12.0	0.0	12.0	11	11	130 Btuh
3	2 NFRC	0.32, 0.45	B-L	No	N		6.5ft	0.0ft	36.0	0.0	36.0	11	11	389 Btuh
4	2 NFRC	0.32, 0.45	B-L	No	W		1.5ft	0.0ft	16.0	5.0	11.0	11	28	360 Btuh
5	2 NFRC	0.32, 0.45	B-L	No	S		1.5ft	0.0ft	60.0	60.0	0.0	11	13	648 Btuh
6	2 NFRC	0.32, 0.45	B-L	No	S		6.5ft	0.0ft	48.0	48.0	0.0	11	13	519 Btuh
7	2 NFRC	0.32, 0.45	B-L	No	E		13.5f	0.0ft	15.0	15.0	0.0	11	28	162 Btuh
8	2 NFRC	0.32, 0.45	B-L	No	W		1.5ft	0.0ft	15.0	3.7	11.3	11	28	353 Btuh
9	2 NFRC	0.32, 0.45	B-L	No	S		1.5ft	0.0ft	30.0	30.0	0.0	11	13	324 Btuh
10	2 NFRC	0.32, 0.45	B-L	No	E		1.5ft	0.0ft	30.0	7.5	22.5	11	28	707 Btuh
	Window Total								284 (sqft)					3835 Btuh

Walls	Type	U-Value	R-Value Cav/Sheath	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	0.09	13.0/0.0	86.0	2.1	179 Btuh
2	Frame - Wood - Ext	0.09	13.0/0.0	18.0	2.1	38 Btuh
3	Frame - Wood - Ext	0.09	13.0/0.0	101.3	2.1	211 Btuh
4	Frame - Wood - Ext	0.09	13.0/0.0	50.0	2.1	104 Btuh
5	Frame - Wood - Ext	0.09	13.0/0.0	94.0	2.1	196 Btuh
6	Frame - Wood - Ext	0.09	13.0/0.0	13.3	2.1	28 Btuh
7	Frame - Wood - Ext	0.09	13.0/0.0	30.0	2.1	63 Btuh
8	Frame - Wood - Adj	0.09	13.0/0.0	80.0	1.5	121 Btuh
9	Frame - Wood - Adj	0.09	13.0/0.0	156.0	1.5	235 Btuh
10	Frame - Wood - Ext	0.09	13.0/0.0	152.0	2.1	317 Btuh
11	Frame - Wood - Ext	0.09	13.0/0.0	185.0	2.1	386 Btuh
12	Frame - Wood - Ext	0.09	13.0/0.0	40.0	2.1	83 Btuh
13	Frame - Wood - Ext	0.09	13.0/0.0	138.7	2.1	289 Btuh
14	Frame - Wood - Ext	0.09	13.0/0.0	21.7	2.1	45 Btuh
15	Frame - Wood - Ext	0.09	13.0/0.0	82.0	2.1	171 Btuh
16	Frame - Wood - Ext	0.09	13.0/0.0	129.0	2.1	269 Btuh
17	Frame - Wood - Ext	0.09	13.0/0.0	78.0	2.1	163 Btuh
18	Frame - Wood - Ext	0.09	13.0/0.0	285.0	2.1	594 Btuh
	Wall Total			1740 (sqft)		3493 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Wood - Exterior	33.3	12.9	429 Btuh
2	Wood - Garage	20.0	12.9	258 Btuh
3	Wood - Exterior	20.0	12.9	258 Btuh
4	Wood - Exterior	48.0	12.9	618 Btuh
	Door Total	121 (sqft)		1563 Btuh

Ceilings	Type/Color/Surface	U-Value	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/Light/Shingle	0.032	30.0/0.0	1635.0	1.34	2187 Btuh
	Ceiling Total			1635 (sqft)		2187 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	1635 (ft-perimeter)	0.0	0 Btuh
	Floor Total		1635.0 (sqft)		0 Btuh

	Envelope Subtotal:	11078 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Matthew Skowron

Lake City, FL 32024-

Project Title: Matthew Skowron Residence

Climate:FL_GAINESVILLE_REGIONAL_A

2/18/2010

Infiltration	Type SensibleNatural	ACH 0.40	Volume(cuft) 14715		Wall Ratio 1740	CFM= 122.6	Load 1826	Btuh
Internal gain		Occupants 4	Btuh/occupant X 230		+	Appliance 1200	Load 2120	Btuh
					Sensible Envelope Load:		15023	Btuh
Duct load	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic)				(DGM of 0.220)		3312	Btuh
					Sensible Load All Zones		**18335**	**Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Matthew Skowron

Lake City, FL 32024-

Project Title: Matthew Skowron Residence

Climate:FL_GAINESVILLE_REGIONAL_A

2/18/2010

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**15023 Btuh**
	Sensible Duct Load	3312 Btuh
	Total Sensible Zone Loads	**18335 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**18335 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	3585 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	860 Btuh
	Latent occupant gain (4 people @ 200 Btuh per person)	800 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**5245 Btuh**
	TOTAL GAIN	**23581 Btuh**

EQUIPMENT

1. Central Unit	#	36000 Btuh

*Key: Window types (Panes - Number and type of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value)
(U - Window U-Factor)
(InSh - Interior shading device: none(No), Blinds(B), Draperies(D) or Roller Shades(R))
- For Blinds: Assume medium color, half closed
For Draperies: Assume medium weave, half closed
For Roller shades: Assume translucent, half closed
(IS - Insect screen: none(N), Full(F) or Half(½))
(Ornt - compass orientation)

Version 8

COLUMBIA COUNTY BUILDING DEPARTMENT
LETTER OF AUTHORIZATION TO SIGN FOR PERMITS
135 NE Hernando Ave, Suite B-21, Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160

I, Chris Shaheen (license holder name), licensed qualifier

for SHAHEEN & SONS INC. (company name), do certify that the below referenced person(s) listed on this form is/are **employed** by me directly or through an employee leasing arrangement; or, is an officer of the corporation; or, partner as defined in Florida Statutes Chapter 468, and the said person(s) is/are under my direct supervision and control and is/are authorized to purchase permits, call for inspections, and sign on my behalf.

Printed Name of Person Authorized	Signature of Authorized Person
1. Linda Roder	1. Linda Roder this permit only
2.	2.
3.	3.
4.	4.
5.	5.

I, the license holder, realize that I am responsible for all permits purchased, and all work done under my license and fully responsible for compliance with all Florida Statutes, Codes, and Local Ordinances. I understand that the State and County Licensing Boards have the power and authority to discipline a license holder for violations committed by him/her, his/her agents, officers, or employees and that I have full responsibility for compliance with all statutes, codes and ordinances inherent in the privilege granted by issuance of such permits.

<u>If at any time the person(s) you have authorized is/are no longer employee(s), or officer(s), you must notify this department in writing of the changes and submit a new letter of authorization form, which will supersede all previous lists. Failure to do so may allow unauthorized persons to use your name and/or license number to obtain permits.</u>

X _____ CBC 053026 2/23/2010
License Holders Signature (Notarized) License Number Date
Chris Shaheen

NOTARY INFORMATION:
STATE OF: Florida COUNTY OF: Columbia

The above license holder, whose name is _____,
personally appeared before me and is known by me or has produced identification
(type of I.D.) _____ on this 23 day of Feb, 2010.

Linda Roder
NOTARY'S SIGNATURE

(Seal/Stamp)

NOTARY PUBLIC-STATE OF FLORIDA
Linda R. Roder
Commission #DD755608
Expires: MAR. 24, 2012
BONDED THRU ATLANTIC BONDING CO., INC.

When recorded, mail to:

Name: _____

Address: _____

City/State/Zip Code: _____

Inst:200812000251 Date:1/7/2008 Time:12:10 PM
Doc Stamp-Deed:231.00
DC,P.DeWitt Cason,Columbia County Page 1 of 2

Space above this line for Recorder's use

QUITCLAIM DEED

KNOW ALL MEN BY THESE PRESENTS:

That I(we), MATTHEW R. SKOWRON, the undersigned, for the consideration of Ten Dollars ($10.00), and other valuable considerations, do hereby release, remise, and forever quitclaim unto MATTHEW J. SKOWRON AND JENNIFER SKOWRON, all right, title and interest in that certain Property situated in COLUMBIA County, State of FLORIDA, and described as follows:

LOT 2, BLOCK B, ACCORDING TO THE AMENDMENT TO RECORD PLAT OF WILSON PLACE, A SUBDIVISION ACCORDING TO PLAT THEREOF RECORDED IN PLAT BOOK 7, PAGE 85 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA, AS RECORDED IN OFFICIAL RECORDS BOOK 1031, PAGE 260 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

IN WITNESS WHEREOF, I(we) have hereunto set my(our) hand(s) and seal this 5th day of January, 2008.

MATTHEW R. SKOWRON
Printed Name of Releasor

Matthew R. Skowron
Signature of Releasor

Printed Name of Releasor

Signature of Releasor

Sheri Skowron
Printed Name of Witness (if required by State Laws)

Sheri Skowron
Signature of Witness (if required by State Laws)

(UPC 722573-64066) (ISBN 1-57164-666-5)

FORM 150a

ACKNOWLEDGMENT
(States Other Than California)

State of Florida)
) ss.
County of Columbia)

On this 5th day of January, 2008, before me, the undersigned Notary Public, personally appeared Matthew R. Skowron,

known to me to be the individual(s) who executed the foregoing instrument and acknowledged the same to be his(her)(their) free act and deed.

My Commission Expires: 08-03-2009 Angela Coy
Notary Public

If acknowledged in the State of Florida, complete section(s) below:

(Releasor) ☐ Personally Known (or) ☒ Produced Identification

If applicable, Type of Identification Produced: FL DL S650-556-58-045-0

Notary Public State of Florida
Angela Coy
My Commission DD457836
Expires 08/03/2009

(Co-Releasor) ☐ Personally Known (or) ☐ Produced Identification

If applicable, Type of Identification Produced: _____

ACKNOWLEDGMENT
(State Of California)

State of California)
) ss.
County of _____ _____)

On this _____ day of _____, _____, before me, _____, the undersigned Notary Public, personally appeared,

_____,

personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is(are) subscribed to the attached instrument and acknowledged to me that he(she)(they) executed the same in his(her)(their) authorized capacity(ies),and that by his(her)(their) signature(s) on the instrument, the person(s) or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

_____
Notary Public

[redacted] (ISBN [redacted])

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001807

DATE 04/21/2010 PARCEL ID # 11-5S-16-03570-102

APPLICANT LINDA RODER PHONE 752-2281

ADDRESS 387 SW KEMP CT. LAKE CITY FL 32024

OWNER MATTHEW & JENNY SKOWRON PHONE 623-6932

ADDRESS 5482 SW CR 240 LAKE CITY FL 32024

CONTRACTOR CHRIS SHAHEEN PHONE 752-9016

LOCATION OF PROPERTY 47S, TL CR 240, 1 MILE ON RIGHT,6TH LOT ON RIGHT PAST BUTZER

SUBDIVISION/LOT/BLOCK/PHASE/UNIT WILSON PLACE 2 B

SIGNATURE

INSTALLATION REQUIREMENTS

[X] Culvert size will be 18 inches in diameter with a total lenght 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

COLUMBIA COUNTY GATEWAY TO FLORIDA

1003-45 Skowron

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER _____ CONTRACTOR Chris Shaheen PHONE 386-792-4109

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL Good 356	Print Name Roger Leavitt Electric	Signature [signature]
	License #: ER13014223	Phone #: 386-867-1348
MECHANICAL/ A/C Good 419	Print Name James Bertie Heating & Air	Signature [signature]
	License #: CAC058522	Phone #: 352-331-2005
PLUMBING/ GAS Good 623	Print Name Mark Ganskop	Signature [signature]
	License #: CFC1428046	Phone #: 386 867-0269
ROOFING	Print Name _____	Signature _____
	License #:	Phone #:
SHEET METAL	Print Name _____	Signature _____
	License #:	Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name _____	Signature _____
	License#:	Phone #:
SOLAR	Print Name _____	Signature _____
	License #:	Phone #:

Specialty License	License Number	Sub Contractor's Printed Name	Sub Contractor's Signature
MASON Good	060350	Sean Shaimo Masonry	[signature]
CONCRETE FINISHER Good	CBC053026	Shaheen & Sons Inc	[signature] Chris Shaheen
FRAMING Good	000102	Tim Petersen Framing Inc	[signature]
INSULATION	CBC053026	Shaheen & Sons Inc	[signature]
STUCCO			
DRYWALL	CBC053026	Shaheen & Sons Inc	[signature]
PLASTER			
CABINET INSTALLER	CBC053026	Shaheen & Sons Inc	[signature]
PAINTING	CBC053026	Shaheen & Sons Inc	[signature]
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE	CBC053026	Shaheen & Sons Inc	[signature]
FLOOR COVERING	CBC053026	Shaheen & Sons Inc	[signature]
ALUM/VINYL SIDING			
GARAGE DOOR	CBC053026	Shaheen & Sons Inc	[signature]
METAL BLDG ERECTOR			

Good

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

Contractor forms Subcontractor forms 6/09

New Construction Subterranean Termite Service Record

OMB Approval No. 2502-0525
(exp. 02/29/2012)

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.
Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential, therefore, no assurance of confidentiality is provided.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control Company and builder, unless stated otherwise. #28501

Section 1: General Information (Pest Control Company Information)

Company Name Aspen Pest Control, Inc.
Company Address P.O. Box 1795 City Lake City State FL Zip 32056
Company Business License No. JB109476 Company Phone No. 386-755-3611
FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name Shaheen and Sons Phone No. _____

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) Matthew and Jenny Stouron
5482 SWCR 240

Section 4: Service Information

Date(s) of Service(s) 5-24-2010
Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other _____

Check all that apply:

☒ A. Soil Applied Liquid Termiticide
Brand Name of Termiticide: Maxx-Thor EPA Registration No. 83923-6
Approx. Dilution (%): .6 Approx. Total Gallons Mix Applied: 400 Treatment completed on exterior: ☒ Yes ☐ No

☐ B. Wood Applied Liquid Termiticide
Brand Name of Termiticide: _____ EPA Registration No. _____
Approx. Dilution (%): _____ Approx. Total Gallons Mix Applied: _____

☐ C. Bait System Installed
Name of System _____ EPA Registration No. _____ Number of Stations Installed _____

☐ D. Physical Barrier System Installed
Name of System _____ Attach installation information (required)

Service Agreement Available? ☒ Yes ☐ No
Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List) _____

Comments _____

Name of Applicator(s) Cliff Lacey Certification No. (if required by State law) JF104376

The applicator has used a product in accordance with the product label and state requirements. All materials and methods used comply with state and federal regulations.

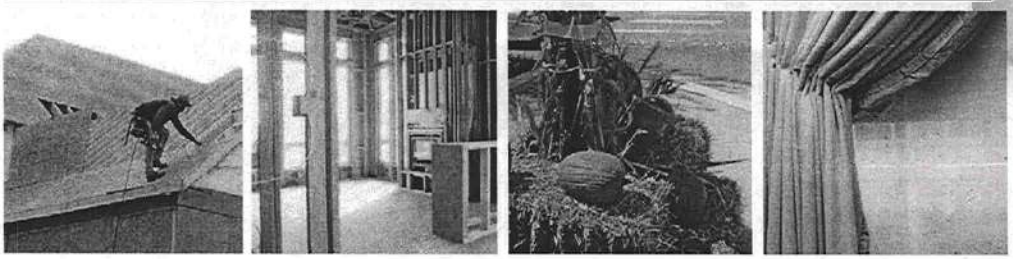
Authorized Signature Cliff Date 5-24-2010

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010. 1012; 31 U.S.C. 3729, 3802)

#28501

FIRE'Z OFF

'GREEN' FLAME RETARDANT



Keeps flames from speading on Wood, Uniforms, Clothing, Furniture, Construction Materials, Drapes, and any other Class A material that can absorb moisture.

Fire'z Off is a specially formulated, environmentally friendly product which is used to retard fire in most Class A materials.

Fire'z Off forms a thermal insulation barrier that prevents dangerous flames form spreading. Fire'z Off also inhibits the development of toxic hydrocarbon smoke.

Applications: Use to treat Class A materials and surfaces such as uniforms, clothing, wood, pre-construction materials, furnishings, carpeting, packing materials, motor home interiors, holiday decorations and storage boxes for added safety against fire. It can also be mixed 50/50 with latex paint to keep flames on interior walls from spreading. NOTE: Every situation is different; always check with your fire marshal to ensure he will accept Fire'z Off for your particular application.

Directions: ***Fire'z Off*** is easy to use. Just spray ***Fire'z Off*** on the item or surface being treated. In bulk applications, you may also dip the items and allow to drip dry. In all applications, allow ***Fire'z Off*** to completely penetrate the item or surface. Allow material to air-dry completely. If you are using ***Fire'z Off*** to fire retard clothing and other fabrics, and plan to wash these items in the future, it is recommended that ***Fire'z Off*** be reapplied after the third washing, as some of the product's effectiveness will be diminished due to washing. On construction materials, will last indefinitely when protected from weather, but may need to be re-applied every 1-3 years if continually exposed to the elements. When mixing ***Fire'z Off*** with latex paint, mix equal parts of ***Fire'z Off*** and paint. An extra coat may be necessary.

- **Helps Prevent Spread of Dangerous Flames**
- **Inhibit Toxic Smoke Development**
- **Discourages Mold Growth & Termites**
- **Helps Preserve Wood**
- **Also available in Green Tint for Construction**
- **Non-Corrosive & Non-Staining**
- **Easy to Apply & Safe to Store**
- **Non-Toxic, Eco-Friendly - NO PBDE's or Toxins**
- **Wood, Fabrics, Paper & other Class A Materials**
- **NFPA 255 & ASTM E 84 tested, Class 'A' Rated**

Technical Information:
Fire'z Off fire retardant was tested in accordance with NFPA 255 and ASTM E84 Test for flame spread and smoke development values by SGS US Testing for surface burning characteristics of building materials.

Test Specimen:	Fire'z Off	Rating Classification
Flame Spread Index:	15	0-25
Smoke Developed Value	25	0-450

Since Fire'z Off falls within the rating classification shown above, it is considered an acceptable fire retardant product in accordance with NFPA 255, with a Class 'A' rating.

Availability:
Fire'z Off is available in a convenient 32 ounce pump spray (12 bottles per case), or in 5, 55 or 275 gallon containers for bulk applications. No mixing or dilution is required.

Fire'z Off is considered non-toxic. Toxicity information and MSDS information are available upon request.

RDR Technologies
Oklahoma City, OK
405-702-0055
www.rdrtechnologies.com

RDR TECHNOLOGIES

MATERIAL SAFETY DATA SHEET

FIRE'Z OFF
'GREEN' FLAME RETARDANT

Fire'z Off Fire Retardant is a fire retarding agent specially formulated to effectively and safely protect all Class A materials. **Fire'z Off** Fire Retardant is a unique and revolutionary product, which retards fires by stopping dangerous flames from spreading. **Fire'z Off** Fire Retardant also inhibits the development of hydrocarbon smoke. **Fire'z Off** Fire Retardant is non-flammable, safe to store, handle and use, leaves no residue, and is environmentally safe.

Capabilities

Retarding Power: After treatment of retardant on all Class A type surfaces there is zero flame spread.
Applications Spray on Class A surfaces of all types (wood, paper, cotton, furnishing, all non-polymer surfaces).
Cleanup: None needed. Leaves little to no residue.

Characteristics

pH: pH of concentrate is 7.0.
Flash Point: Negligible.
Boiling Point: 212° F.
Odor: Mild fresh scent. Does not contain d-limonenes. Clear color.
Water Solubility: Complete.
Shelf Life: Indefinite when stored in closed containers between 32°F and 120°F.
Dilution Strength: Do not dilute.
Residue: Product leaves little to no residue.

Environmental & Safety Considerations

Biodegradability: 100% in 21 days under ideal conditions.
Hazardous Components: No components are listed in the NIOSH Recommendations for Occupational Health Standards, 1988, or are defined as hazardous by SARA, CERLA, or RCRA. No OSHA PEL's are established for other ingredients.
Handling: Retardant is neutral. It will remove oil from the skin and will irritate the eyes if sprayed directly into them. When handling bulk concentrate, eye protection, gloves, and impervious clothing should be worn when there is danger of splashing, prolonged exposure to vapor, or prolonged skin contact, as with all chemicals. Do not ingest, splash into eyes, or inhale for prolonged periods.
Disposal: Retardant itself may be disposed through municipal systems.

IDENTIFICATION

Date Prepared: December 10, 1999
Formulation Number:
JG302R/Cold Fire Fire Retardant
Trade Name: Fire'z Off
Product: Class A Fire Retardant
Distributor: RDR Technologies
Manufacturer: Firefreeze Worldwide
Phone: (405) 702-0055

INGREDIENTS AND HAZARD CLASSIFICATION

No components are believed to be hazardous, or listed in the NIOSH Recommendations for Occupational Safety and Health Standards, 1988, or are listed as hazardous by SARA, CERCLA, or RCRA. No OSHA PEL's are established for any of the other ingredients.

PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 212° F.
Vapor Pressure (mm Hg): Same as water.
Solubility in water: 100%
Specific Gravity: 1.09 @ 60° F.
pH: 7.0
Appearance and Odor: Straw colored liquid, mild smell.

FIRE AND EXPLOSION DATA

Flash Point: Not applicable.
Flammable Limits: Non-flammable.
LEL: Not applicable.
UEL: Not applicable.
Extinguishing Media: Not applicable.
Special Fire Fighting Procedures: None.
Unusual Fire and Explosion Hazards: None.

REACTIVITY DATA

Stability: Stable.
Incompatibility: None.
Hazardous Decomposition Products: Carbon monoxide and carbon dioxide.
Hazardous Polymerization: Will not occur.

HEALTH HAZARD DATA

Exposure Limits
OSHA PEL: **Not established.**
ACGIH TLV: Not established.
Routes of Entry
Inhalation: Yes.
Skin:Yes.
Ingestion: Yes.
Signs and Symptoms of Exposure
Skin: Negligible hazard. Not a primary skin irritant.
Eyes: Not a primary ocular irritant.
Inhalation: Negligible.
Ingestion: Hazard is extremely low. Material is considered non-toxic.
First Aid
Eyes: Immediately flush eyes with water for 15 minutes. Seek medical aid if irritation persists.
Skin: Flush affected area and rinse with water.
Inhalation: Negligible. Remove to fresh air.
Ingestion: Drink water. Obtain medical attention if necessary.
Carcinogenicity
NTP? No.
IARC? No.
OSHA Regulated? No

PRECAUTIONS FOR SAFE HANDLING AND USE

Spill or Leak Procedures: Rinse affected area with water. Will not harm the environment.
Waste Disposal Method: Dispose as non-hazardous waste in accordance with local regulations.
Storage and Handling Precautions: Store in temperatures from 32° F to 120° F in closed containers to prevent evaporation and deterioration. Freezing will not damage material as long as container remains intact.
Other Precautions: Although components have low hazard levels, the product will remove oils from the skin like common soap. Avoid prolonged skin contact.

CONTROL MEASURES

Respiratory Protection: Not required.
Ventilation: No special ventilation is required.
Protective Gloves: Wear if there is prolonged skin contact.
Eye Protection: Wear if needed to prevent reasonable probability of eye contact.
Work/Hygenic Practices: Do not ingest, splash into eyes, do not inhale for prolonged periods.

HAZARD CLASSIFICATION

IMO Hazard Class and Number: Non-hazardous.
UN Number: Not applicable.
US DOT Hazard Class: Not regulated by DOT.
US DOT Identification Number: Not applicable.

ENVIRONMENTAL DATA

Biodegradability: Product is 100% biodegradable in an active environment within 21 days.
Toxicity: In accordance with U.S. EPA Office of Pollution Prevention and Toxins criteria for ranking the acute toxicity of chemicals, Fire'z Off is considered to be of low concern.

Your home has been professionally insulated with

FiberTEK® Fiber Glass Insulation

(Job Site Address)

Name _____

Address _____

City _____ State _____ Zip _____

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	**3.5"**
R-15	**3.5"**
R-19*	**6.25"**
R-21	**5.5"**
R-22	**6.75"**
R-25	**8"**
R-30C	**8.5"**
R-30	**10"**
R-38C	**10.25"**
R-38	**12"**

*R-18 in 5.5"cavity.

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 Coverge in sq ft per bag	Min Weight in lbs per sq ft	Minimum Initial Installed Thickness	Minimum Settled Thickness
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	36.6	27	0.990	22.00	22.00
49	29.8	34	0.805	18.50	18.50
44	26.6	38	0.720	16.75	16.75
38	22.8	44	0.620	14.75	14.75
30	18.0	56	0.486	12.00	12.00
26	15.6	65	0.420	10.50	10.50
22	13.1	76	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.

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 loosefill insulation installed in open attics can reduce it's thermal performance in extremely cold weather conditions.

BUILDER'S INSULATION INSTALLATION STATEMENT

INSULTEK1® FOR OPEN BLOW ATTIC:	
New Construction	☑
Retrofit	☐
Existing Type(s) of Insulation in Attic	
Estimated R-value of Existing Insulation	R-
Depth of Existing Insulation	inches
Number of Bags Used	14 bags
Area of Coverage	1636 sq.ft.
Thickness of Insulation	5.5 inches

BIG BATT™ AREA / ELEMENT	R-VALUE	THICKNESS
Attic 1636	R- 19	at 6.25 inches
Ceilings (sloped)	R-	at inches
Floors (over unheated crawlspace)	R-	at inches
Walls	R-	at inches
Basement	R-	at inches
Crawlspace Perimeter	R-	at inches
Crawlspace	R-	at inches

Installation Date: 10-19-10

InsulTEK1® has been installed in conformance with manufacturers recommendations to provide an R-Value of R 30

using 14 Blow bags of insulation to cover 1636 square feet of area at a minimum thickness of _____ inches.

14 BAGS R19X23 BATT

Duane Pratt — Insulation ASAP Inc. — 10-19-10

Installation Contractor (signature) | Company Name | Date

Home Builder (signature) | Company Name | Date

Matthew Skowron

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

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

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

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

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

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

GENERAL REQUIREMENTS;

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

Site Plan information including:

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

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

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

Elevations Drawing including:

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

Floor Plan including:

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

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

Foundation Plans Per FRC 403:

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

CONCRETE SLAB ON GRADE Per FRC R506

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

PROTECTION AGAINST TERMITES Per FRC 320:

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

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

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

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

Floor Framing System: First and/or second story

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

WOOD WALL FRAMING CONSTRUCTION FRC CHAPTER 6

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

ROOF SYSTEMS:

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

Conventional Roof Framing Layout Per FRC 802:

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

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

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

ROOF ASSEMBLIES FRC Chapter 9

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

FCB Chapter 13 Florida Energy Efficiency Code for Building Construction

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

HVAC information shown

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

Plumbing Fixture layout shown

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

Electrical layout shown including:

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

- ✓ On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type.
- ✓ Appliances and HVAC equipment and disconnects
- ✓ Arc Fault Circuits (AFCI) in bedrooms

- o Notarized Disclosure Statement for Owner Builders

- o Notice of Commencement Recorded (in the Columbia County Clerk Office) Notice Of Commencement is required to be filed with the building department Before Any Inspections Will Be Done.

Private Potable Water

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

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

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

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

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

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

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

- ✓ Driveway Connection: If the property does not have an existing access to a public road, then an application for a culvert permit ($25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver ($50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.

- o 911 Address: If the project is located in an area where the 911 address has been issued, then the proper Paper work from the 911 Addressing Departments must be submitted. (386) 758-1125

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

Water Wells
Pumps & Service

Phone: (386) 752-6677
Fax: (386) 752-1477

Lynch Well Drilling, Inc.
173 SW Young Place
Lake City, FL 32025
www.lynchwelldrilling.com

March 9 , 2010

To Whom It May Concern:

As required by building code regulations for Columbia County in order that a building permit can be issued, the following well information is provided with regard to the well for Matthew Skowron in Wilson Pl. Lot 2 Block B.

Size of Pump Motor:	1 ½ HP 20 gallons per min.
Size of Pressure Tank:	81 -Gallon Bladder Tank - 25.1 Draw down
Cycle Stop Valve Used:	No
Constant Pressure System:	No

Should you require any additional information, please contact us.

Sincerely,

Linda Newcomb

Linda Newcomb
Lynch Well Drilling, Inc.

Matthew & Jenny Skowron

Location: **Project Name:**

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s
A. EXTERIOR DOORS			
1. Swinging	Mayfair	entry door	FL 1311
2. Sliding			
3. Sectional			
4. Roll up	general american	garage door	FL 2868
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung	Danvid	single hung windows	FL 1369
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass -through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding	James Hardie	hardiboard siding	FL 889-R1
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	Tamko	30-year asphault	FL 673
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			

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 inspecti

Contractor or Contractor's Authorized Agent Signature

Matthew + Jenny Skowron

Location

Linda Roder 3-4-10

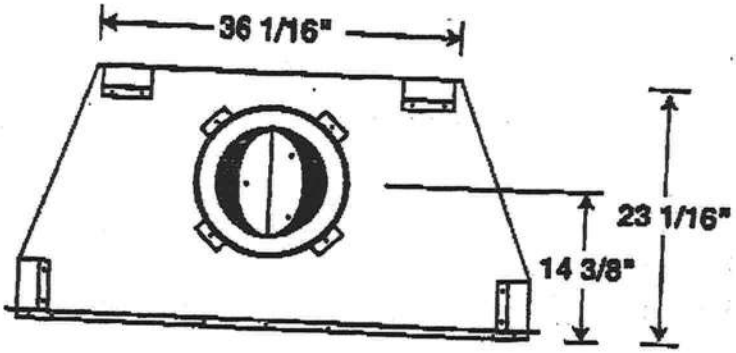
Print Name Date

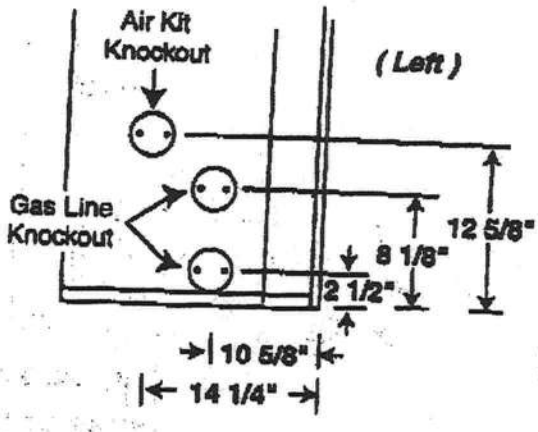
Permit # **(FOR STAFF USE ONLY)**

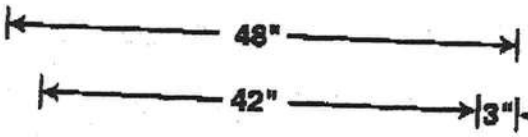
Craftsman

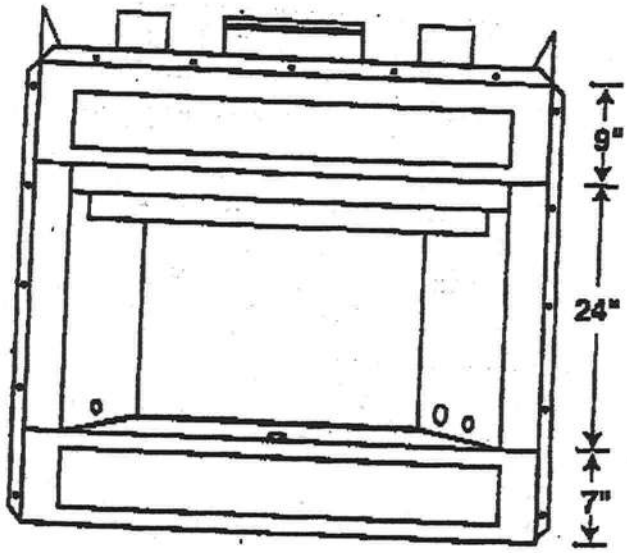
42" Woodburning Fireplace

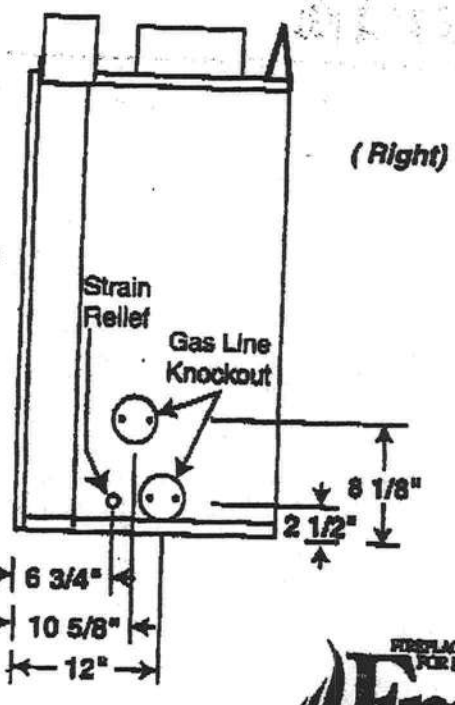
Vent Pipe Size	10"
Min. Pipe Clearance	1"
Min. System Height	14' 6"
- w/ Single Offset	14' 6"
- w/ Two Offsets	22' 0"
Max. Dist. Between Elbows	6' 0"
Max. System Height	50' 0"











FIREPLACES FOR BUILDERS
Fmi

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
 Document ID:1TZN8228Z0226103204

Truss Fabricator:	Anderson Truss Company
Job Identification:	10-043--Fill in later MATTHEW SKOWRON -- , **
Truss Count:	43
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

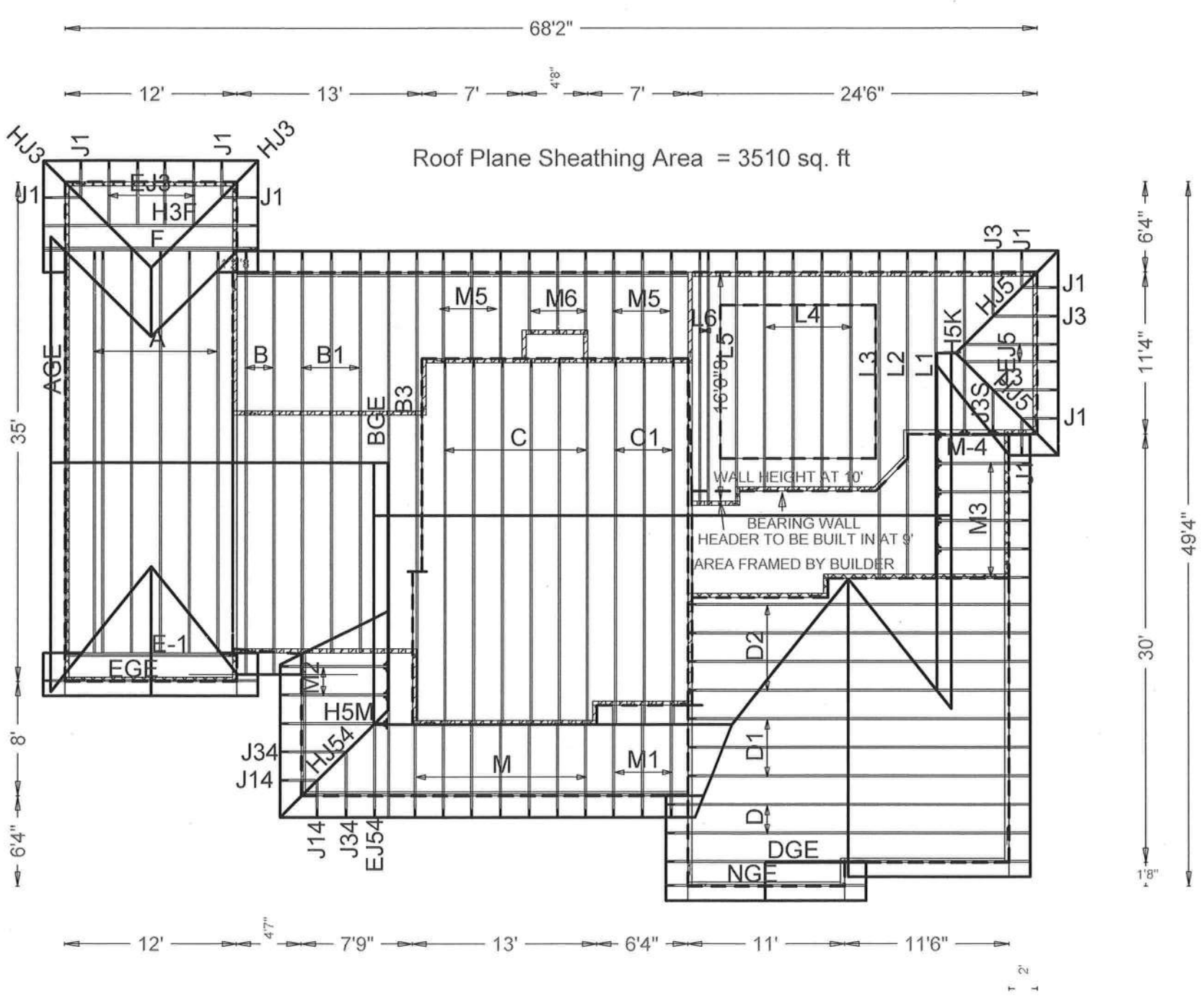
Seal Date: 02/26/2010

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

Details: A1101505-GBLLETIN-A1103005-BRCLBSUB-

#	Ref Description	Drawing#	Date
1	37531--C	10057010	02/26/10
2	37532--C1	10057047	02/26/10
3	37533--EJ5	10057011	02/26/10
4	37534--H5K	10057012	02/26/10
5	37535--J3	10057013	02/26/10
6	37536--HJ5	10057014	02/26/10
7	37537--J1	10057015	02/26/10
8	37538--EGE	10057016	02/26/10
9	37539--M2	10057017	02/26/10
10	37540--BGE	10057018	02/26/10
11	37541--J14	10057019	02/26/10
12	37542--HJ54	10057020	02/26/10
13	37543--J34	10057021	02/26/10
14	37544--EJ54	10057022	02/26/10
15	37545--H5M	10057023	02/26/10
16	37546--B	10057024	02/26/10
17	37547--B1	10057025	02/26/10
18	37548--M5	10057026	02/26/10
19	37549--M6	10057008	02/26/10
20	37550--M	10057027	02/26/10
21	37551--M3	10057028	02/26/10
22	37552--L1	10057029	02/26/10
23	37553--M-4	10057030	02/26/10
24	37554--J3S	10057031	02/26/10
25	37555--NGE	10057032	02/26/10
26	37556--M1	10057033	02/26/10
27	37557--B3	10057034	02/26/10
28	37558--D	10057035	02/26/10
29	37559--DGE	10057036	02/26/10
30	37560--D1	10057048	02/26/10
31	37561--D2	10057049	02/26/10
32	37562--L2	10057009	02/26/10
33	37563--L3	10057050	02/26/10
34	37564--L4	10057039	02/26/10
35	37565--L5	10057040	02/26/10
36	37566--L6	10057041	02/26/10

#	Ref Description	Drawing#	Date
37	37567--HJ3	10057042	02/26/10
38	37568--EJ3	10057043	02/26/10
39	37569--H3F	10057044	02/26/10
40	37570--F	10057045	02/26/10
41	37571--A	10057037	02/26/10
42	37572--E-1	10057038	02/26/10
43	37573--AGE	10057046	02/26/10



MATTHEW SKOWRON

JOB DESCRIPTION:: Fill in later
/: MATTHEW SKOWRON

JOB NO:
10-043

PAGE NO:
1 OF 1

(10-043- Fill in later MATTHEW SKOWRON -- , ** - C)

Top chord 2x6 SP SS :T2 2x4 SP #2 Dense:
:T4 2x6 SP #1 Dense:
Bot chord 2x6 SP SS :B2 2x8 SP #1 Dense:
:B3 2x6 SP #2:
Webs 2x4 SP #3
:Rt Wedge 2x6 SP #2:

Left end vertical not exposed to wind pressure.

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

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 5-0-2 to 17-3-10.

Calculated vertical deflection is 0.49" due to live load and 0.60" due to dead load at X = 17-3-10.

110 mph wind, 16.87 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

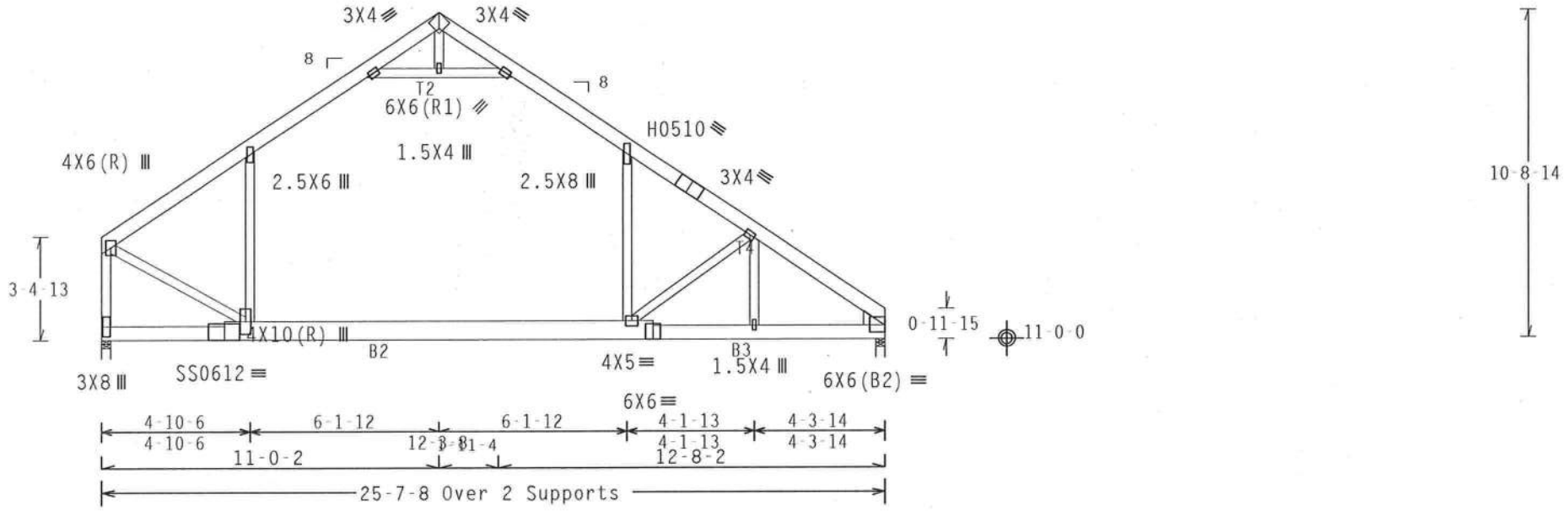
Calculated horizontal deflection is 0.31" due to live load and 0.38" due to dead load.

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

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

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

MWFRS loads based on trusses located at least 8.43 ft. from roof edge.



R=2069 U=262 W=3.5"
RL=269/-300

R=1868 U=250 W=3.5"

PLT TYP. 20 Gauge HS,18 Gauge HS, Wave

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

9.02.00 [illegible] QTY:6 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND 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 COMFORMANCE WITH TPI1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
[illegible] 26 '10

TC LL	20.0 PSF	REF	R8228- 37531
TC DL	10.0 PSF	DATE	02/26/10
BC DL	10.0 PSF	DRW	HCUSR8228 10057010
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	88982
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - C1)

Top chord 2x6 SP SS :T2 2x4 SP #2 Dense:
:T4 2x6 SP #1 Dense:
Bot chord 2x6 SP SS :B2 2x8 SP #1 Dense:
:B3 2x6 SP #2:
Webs 2x4 SP #3
:Rt Wedge 2x4 SP #3:

Left end vertical not exposed to wind pressure.

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

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 5-0-2 to 17-3-10.

MWFRS loads based on trusses located at least 8.43 ft. from roof edge.

110 mph wind, 16.87 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

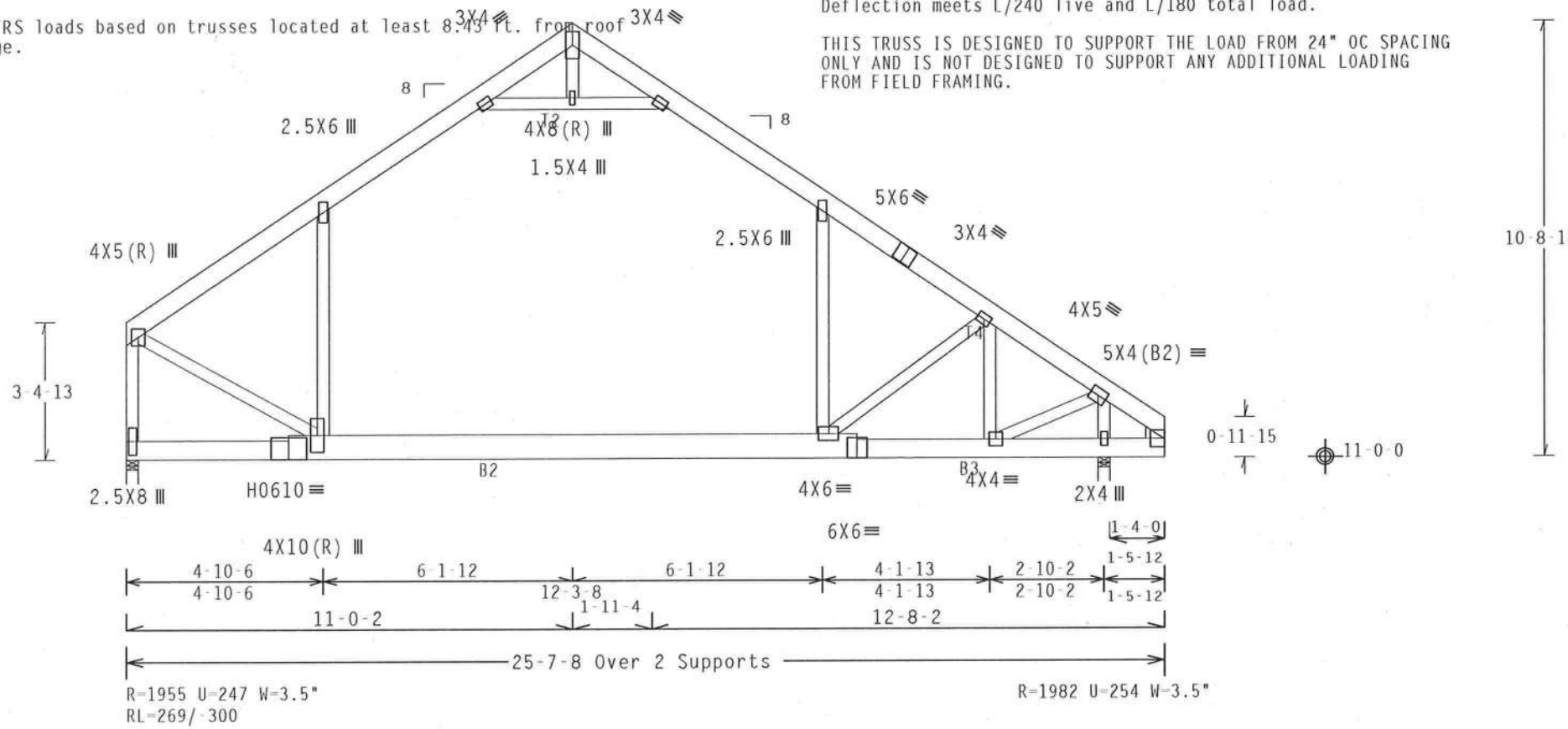
Calculated horizontal deflection is 0.25" due to live load and 0.31" due to dead load.

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

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

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

THIS TRUSS IS DESIGNED TO SUPPORT THE LOAD FROM 24" OC SPACING ONLY AND IS NOT DESIGNED TO SUPPORT ANY ADDITIONAL LOADING FROM FIELD FRAMING.



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. 20 Gauge HS,Wave FT/RT=10%(0%)/0(0) 9.02.00 [illegible] QTY:3 FL/-/4/-/-/R/- Scale =.25"/Ft.

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

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND 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.

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
26 '10

TC LL	20.0 PSF	REF	R8228- 37532
TC DL	10.0 PSF	DATE	02/26/10
BC DL	10.0 PSF	DRW	HCUSR8228 10057047
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	88976
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - EJ5)

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

Roof overhang supports 2.00 psf soffit load.

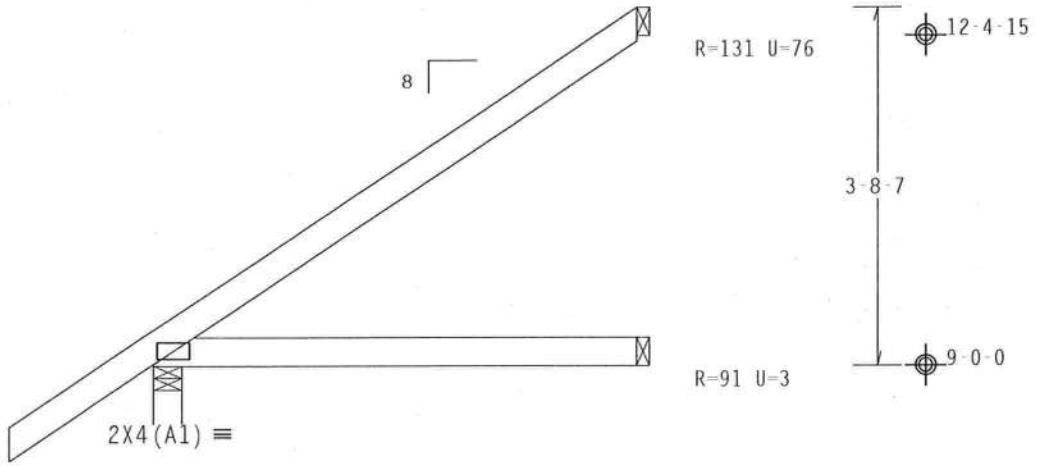
Bottom chord checked for 10.00 psf non-concurrent live load.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

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

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)

PLT TYP. Wave

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

Scale =.5"/Ft.

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

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DOUGLAS FLEMING LICENSE No.66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
FEB 26 '10

TC LL	20.0 PSF	REF	R8228- 37533
TC DL	10.0 PSF	DATE	02/26/10
BC DL	10.0 PSF	DRW	HCUSR8228 10057011
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	88989
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - H5K)

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

Roof overhang supports 2.00 psf soffit load.

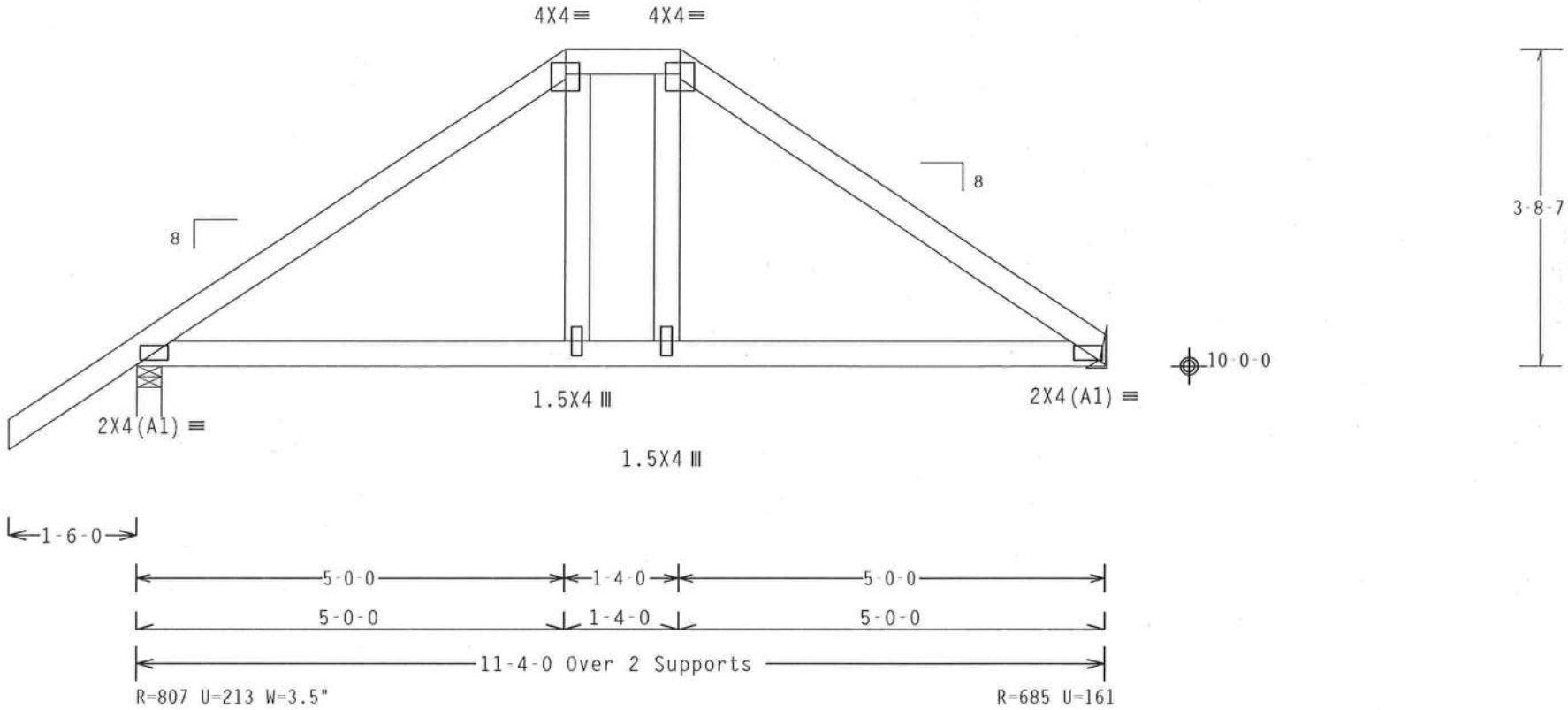
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

Wind reactions based on MWFRS pressures.

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

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



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave | FT/RT=10%(0%)/0(0) | 9.02.00 | QTY:1 | FL/-/4/-/-/R/- | Scale =.5"/Ft.

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

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
26 '10

TC LL	20.0 PSF	REF	R8228- 37534
TC DL	10.0 PSF	DATE	02/26/10
BC DL	10.0 PSF	DRW	HCUSR8228 10057012
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	89222
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - J3)

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

Roof overhang supports 2.00 psf soffit load.

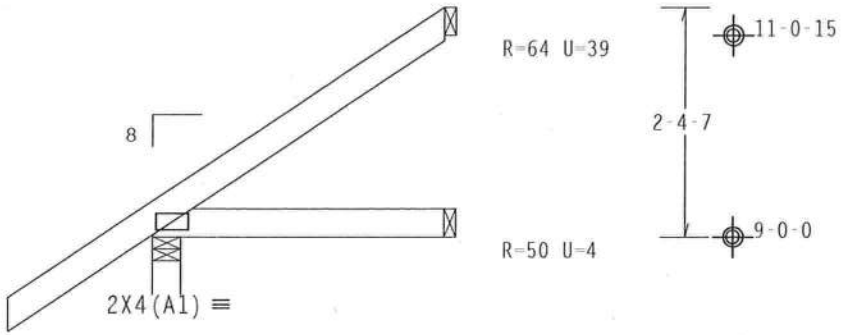
Bottom chord checked for 10.00 psf non-concurrent live load.

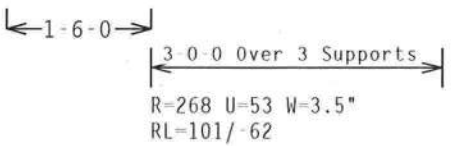
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

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

Wind reactions based on MWFRS pressures.

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





Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 [illegible] QTY:3 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
[illegible] 26 '10

TC LL	20.0 PSF	REF	R8228- 37535
TC DL	10.0 PSF	DATE	02/26/10
BC DL	10.0 PSF	DRW	HCUSR8228 10057013
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	88994
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - HJ5)

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

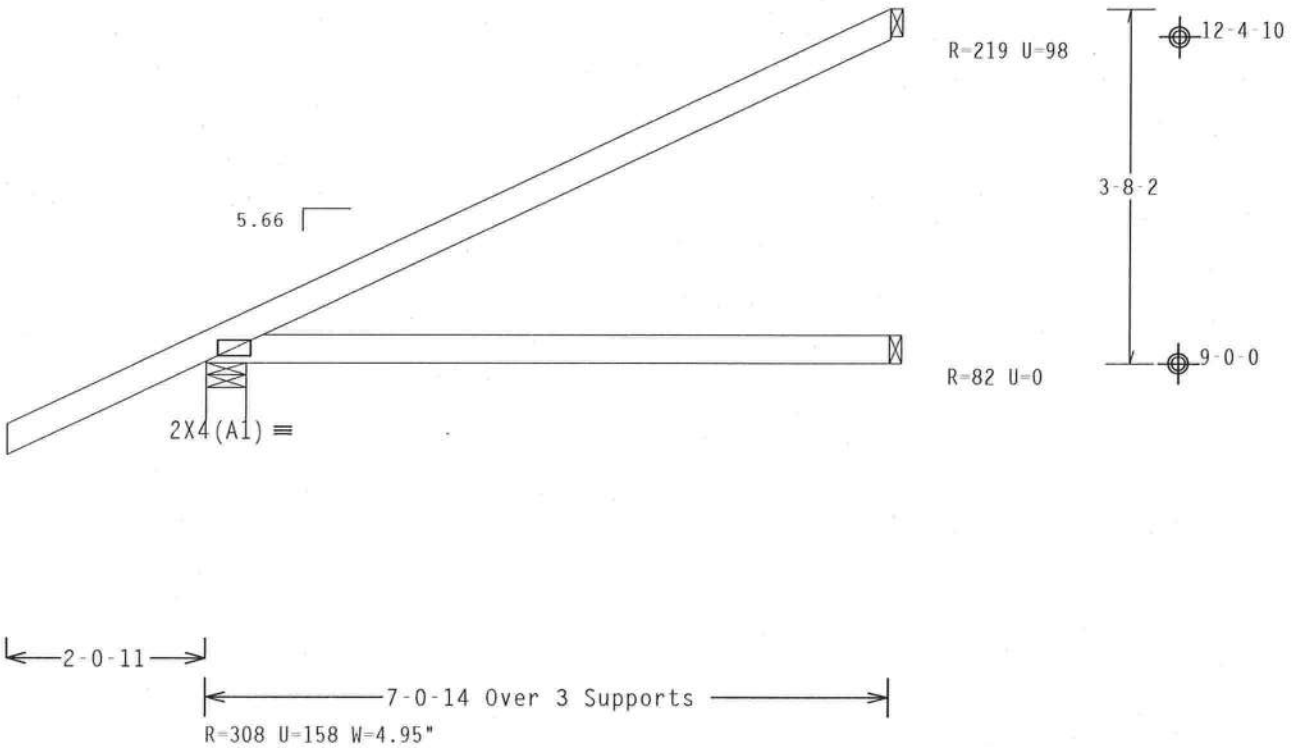
Hipjack supports 5-0-0 setback jacks with no webs.

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

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

Wind reactions based on MWFRS pressures.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave | FT/RT=10%(0%)/0(0) | 9.02.00 | QTY:2 | FL/-/4/-/-/R/- | Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
26 '10

TC LL	20.0 PSF	REF	R8228- 37536
TC DL	10.0 PSF	DATE	02/26/10
BC DL	10.0 PSF	DRW	HCUSR8228 10057014
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	89205
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - J1)

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

Roof overhang supports 2.00 psf soffit load.

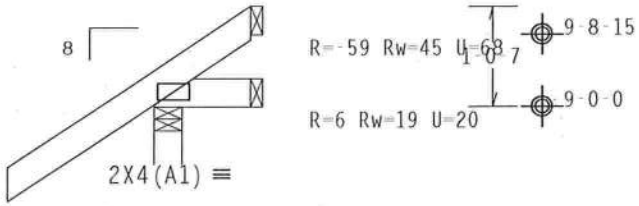
Bottom chord checked for 10.00 psf non-concurrent live load.

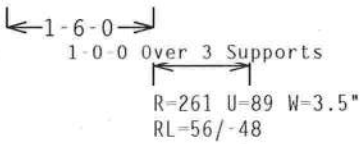
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

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

Wind reactions based on MWFRS pressures.

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





Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 [illegible] QTY:8 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

[illegible] 26 '10

TC LL	20.0 PSF	REF R8228- 37537
TC DL	10.0 PSF	DATE 02/26/10
BC DL	10.0 PSF	DRW HCUSR8228 10057015
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 88998
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - EGE)

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.

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

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

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

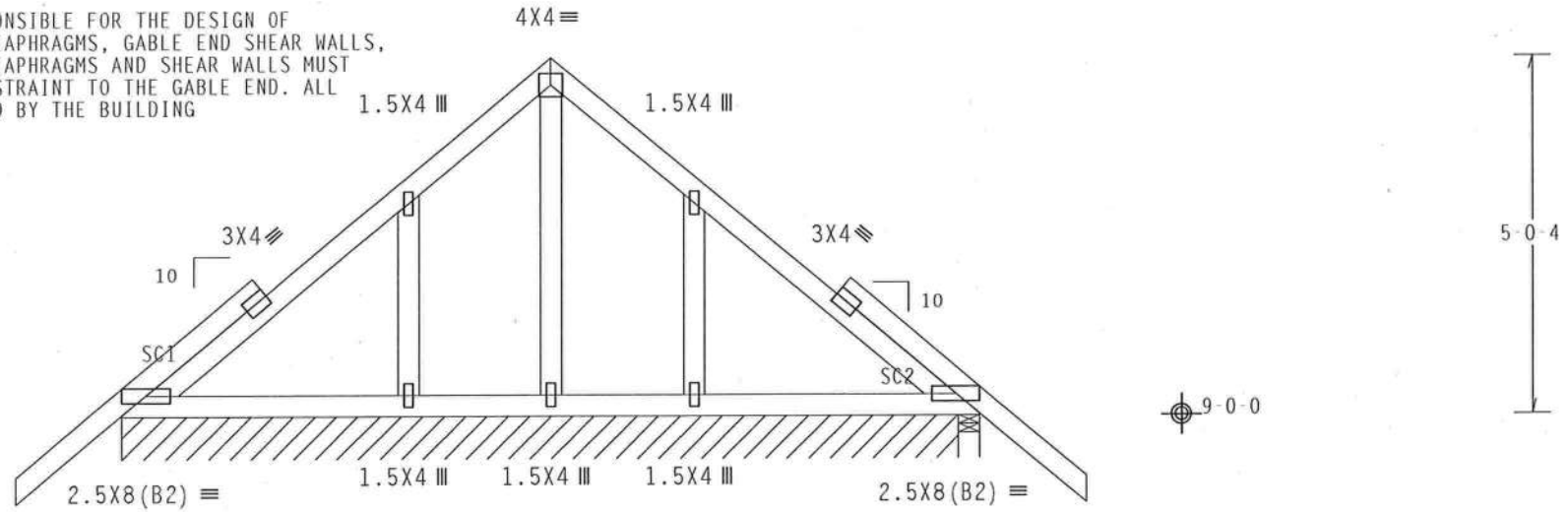
Wind reactions based on MWFRS pressures.

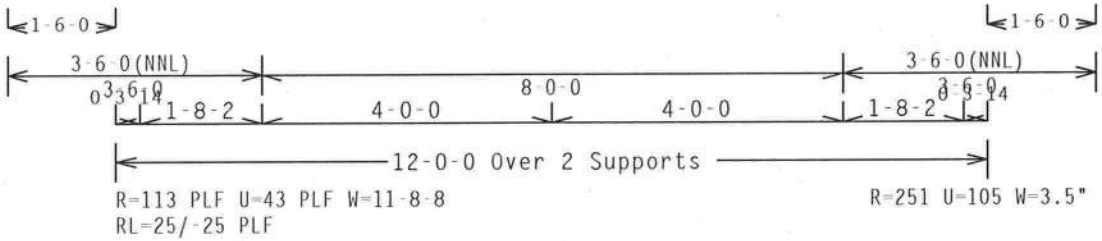
Truss spaced at 24.0" OC designed to support 1-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

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)

PLT TYP. Wave | FT/RT=10%(0%)/0(0) | 9.02.00 | QTY:1 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

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

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
26 '10

TC LL	20.0 PSF	REF R8228- 37538
TC DL	10.0 PSF	DATE 02/26/10
BC DL	10.0 PSF	DRW HCUSR8228 10057016
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 89022
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - M2)

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

Roof overhang supports 2.00 psf soffit load.

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

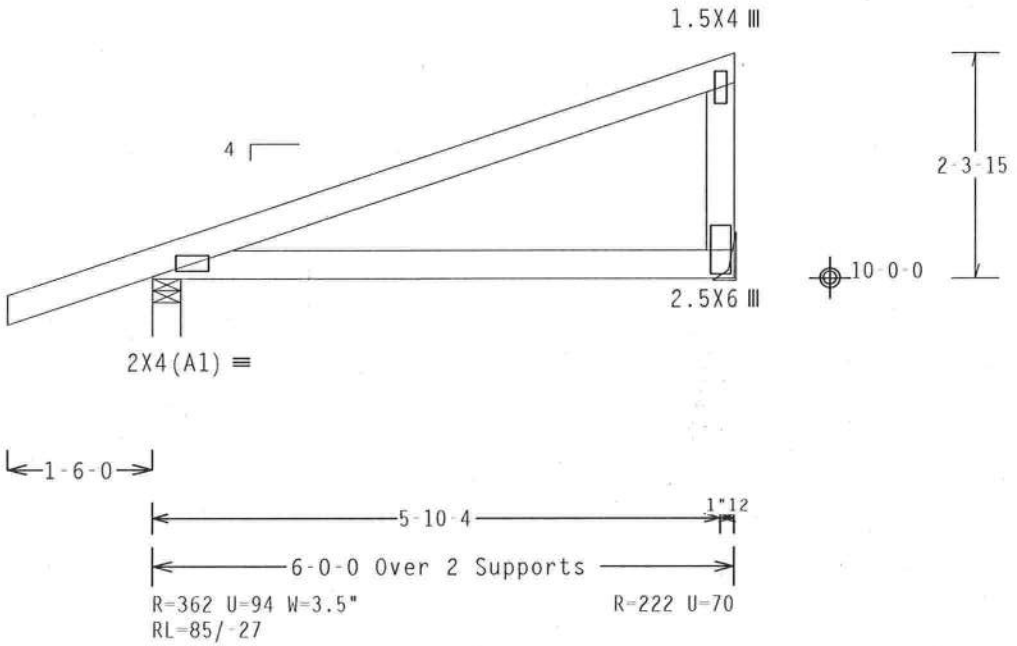
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=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 7.50 ft. from roof edge.



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00.00 QTY:2 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
2/26 '10

TC LL	20.0 PSF	REF	R8228- 37539
TC DL	10.0 PSF	DATE	02/26/10
BC DL	10.0 PSF	DRW	HCUSR8228 10057017
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	61138
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - BGE)

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

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

110 mph wind, 15.56 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Truss spaced at 24.0" OC designed to support 1-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

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

Special loads
(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC - From	64 plf at -1.50 to	64 plf at 17.05
TC - From	64 plf at 17.05 to	64 plf at 31.67
TC - From	61 plf at 31.67 to	61 plf at 38.17
BC - From	5 plf at -1.50 to	5 plf at 0.00
BC - From	20 plf at 0.00 to	20 plf at 36.67
BC - From	4 plf at 36.67 to	4 plf at 38.17

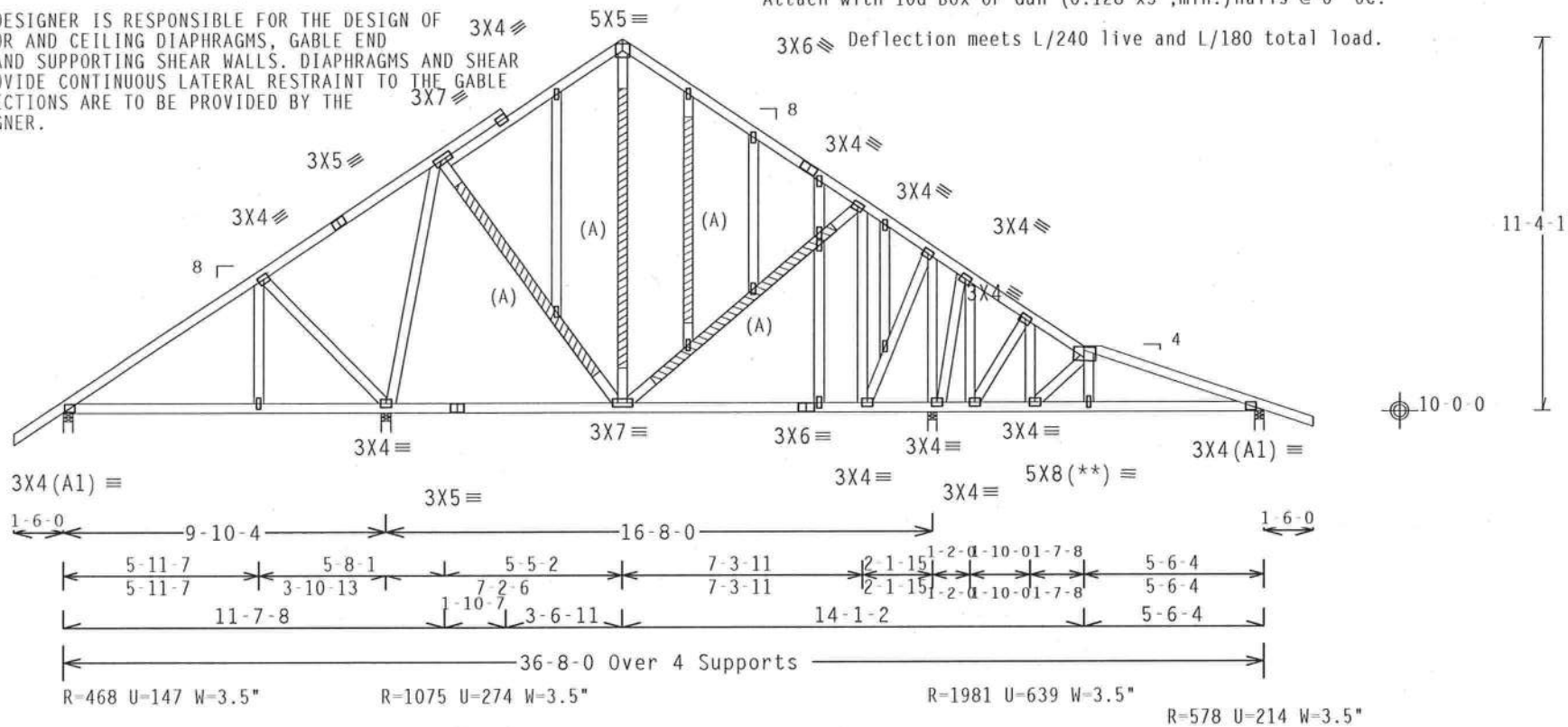
PLB- 222 LB Conc. Load at (27.60,10.04) , (29.60,10.04)
PLB- 389 LB Conc. Load at (31.60,10.04)

Roof overhang supports 2.00 psf soffit load.

See DWGS A11030050109 & GBLLETIN0109 for more requirements.

(A) #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" OC.

3X6 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)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00.0 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
'26 '10

TC LL	20.0 PSF	REF	R8228- 37540
TC DL	10.0 PSF	DATE	02/26/10
BC DL	10.0 PSF	DRW	HCUSR8228 10057018
BC LL	0.0 PSF		HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN-	89365
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - J14)

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

Roof overhang supports 2.00 psf soffit load.

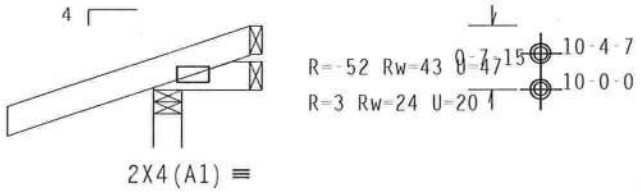
Bottom chord checked for 10.00 psf non-concurrent live load.

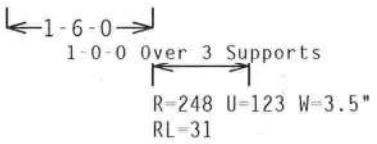
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

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

Wind reactions based on MWFRS pressures.

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





Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 [illegible] QTY:2 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
[illegible] 26 '10

TC LL	20.0 PSF	REF	R8228- 37541
TC DL	10.0 PSF	DATE	02/26/10
BC DL	10.0 PSF	DRW	HCUSR8228 10057019
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	61142
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - HJ54)

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

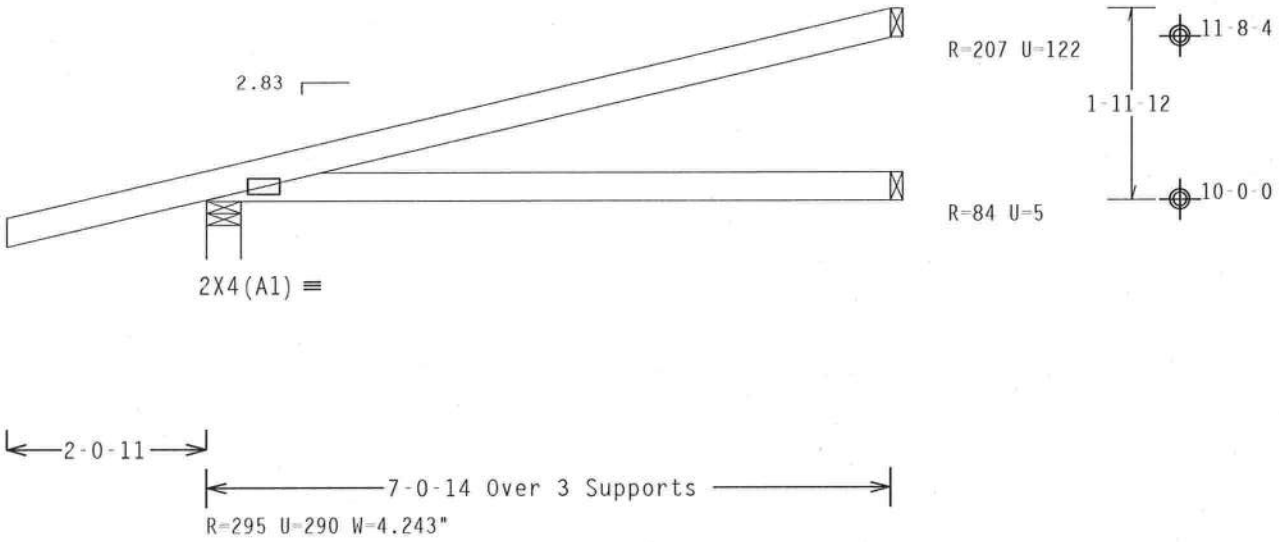
Hipjack supports 5-0-0 setback jacks with no webs.

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

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

Wind reactions based on MWFRS pressures.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00.0 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
26 '10

TC LL	20.0 PSF	REF	R8228- 37542
TC DL	10.0 PSF	DATE	02/26/10
BC DL	10.0 PSF	DRW	HCUSR8228 10057020
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	61155
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - J34)

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

Roof overhang supports 2.00 psf soffit load.

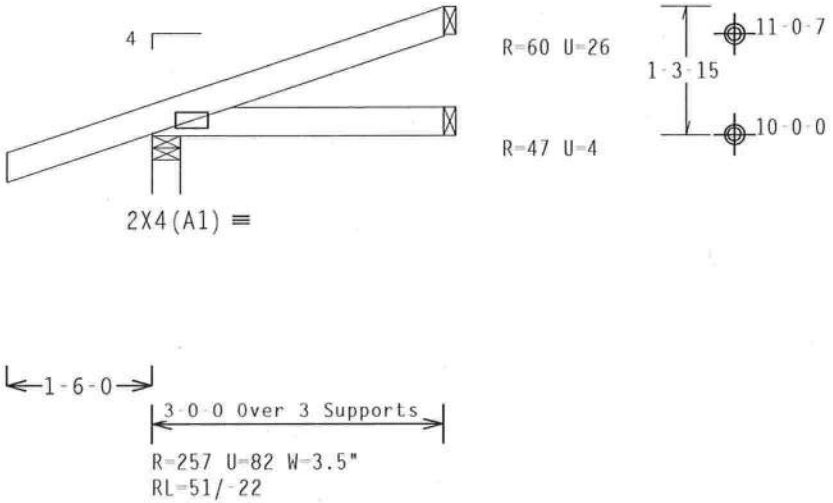
Bottom chord checked for 10.00 psf non-concurrent live load.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

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

Wind reactions based on MWFRS pressures.

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



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 [illegible] QTY:2 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
[illegible] 26 '10

TC LL	20.0 PSF	REF	R8228- 37543
TC DL	10.0 PSF	DATE	02/26/10
BC DL	10.0 PSF	DRW	HCUSR8228 10057021
BC LL	0.0 PSF		HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN-	61146
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - EJ54)

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

Roof overhang supports 2.00 psf soffit load.

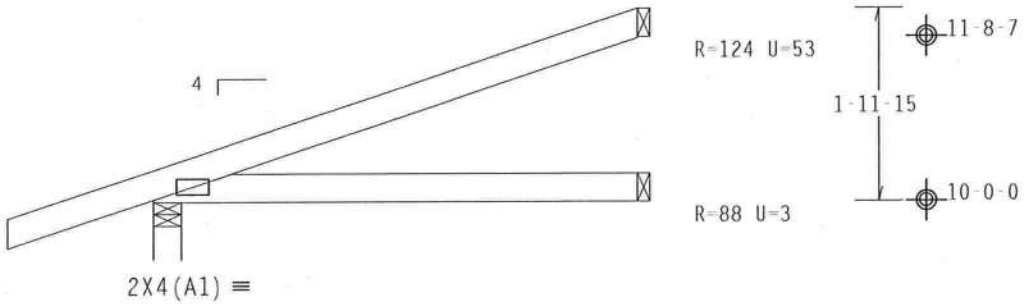
Bottom chord checked for 10.00 psf non-concurrent live load.

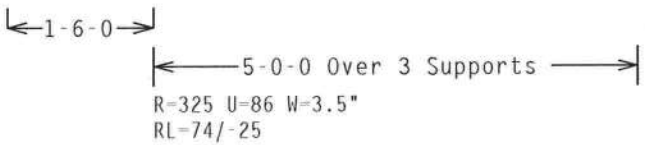
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

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

Wind reactions based on MWFRS pressures.

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





Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave | FT/RT=10%(0%)/0(0) | 9.02.00 | QTY:1 | FL/-/4/-/-/R/- | Scale =.5"/Ft.

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

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TC LL	20.0 PSF	REF	R8228- 37544
TC DL	10.0 PSF	DATE	02/26/10
BC DL	10.0 PSF	DRW	HCUSR8228 10057022
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	61150
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - H5M)

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

Roof overhang supports 2.00 psf soffit load.

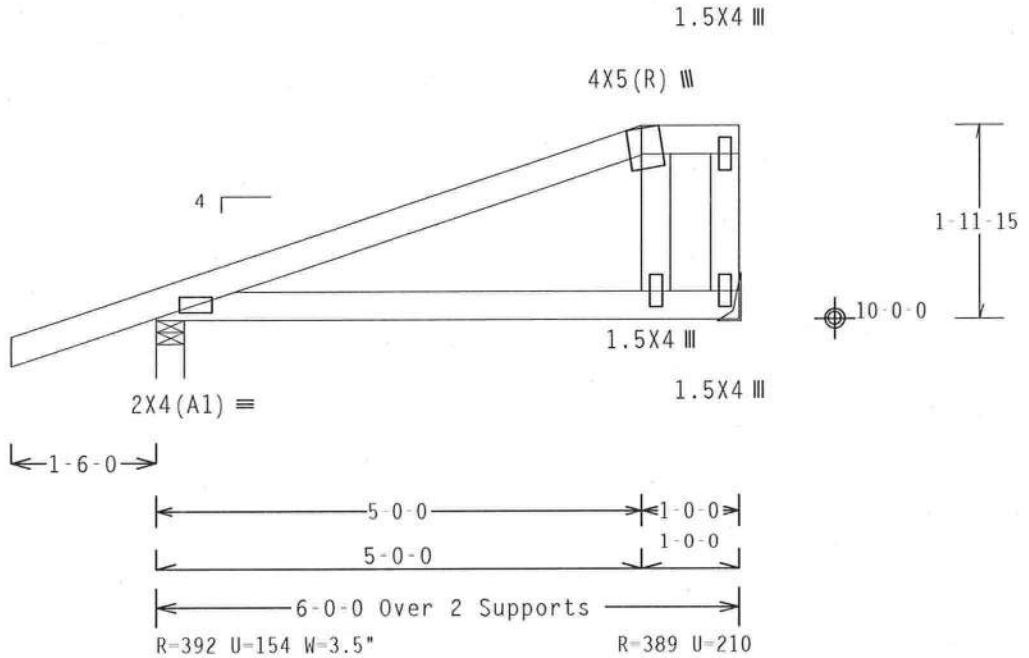
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

Wind reactions based on MWFRS pressures.

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

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

9.02.00

QTY:1

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

Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
26 '10

TC LL	20.0 PSF	REF	R8228-37545
TC DL	10.0 PSF	DATE	02/26/10
BC DL	10.0 PSF	DRW	HCUSR8228 10057023
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	89131
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - B)

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

Roof overhang supports 2.00 psf soffit load.

(A) Continuous lateral bracing equally spaced on member.

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

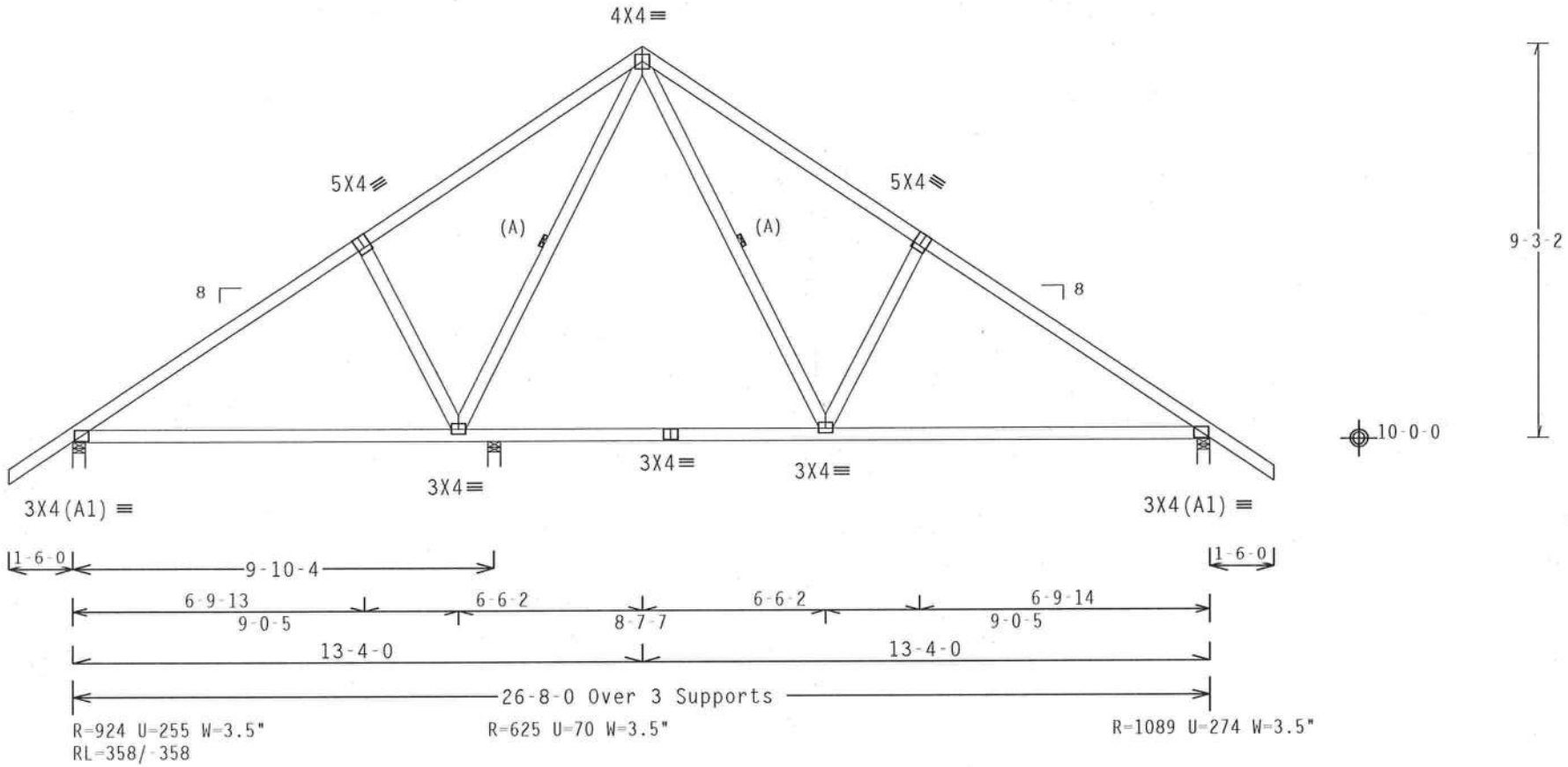
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

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

Wind reactions based on MWFRS pressures.

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

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



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 QTY:2 FL/-/4/-/-/R/- Scale =.25"/Ft.

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

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
26 '10

TC LL	20.0 PSF	REF	R8228- 37546
TC DL	10.0 PSF	DATE	02/26/10
BC DL	10.0 PSF	DRW	HCUSR8228 10057024
BC LL	0.0 PSF		HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN-	89116
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - B1)

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

Roof overhang supports 2.00 psf soffit load.

(A) Continuous lateral bracing equally spaced on member.

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

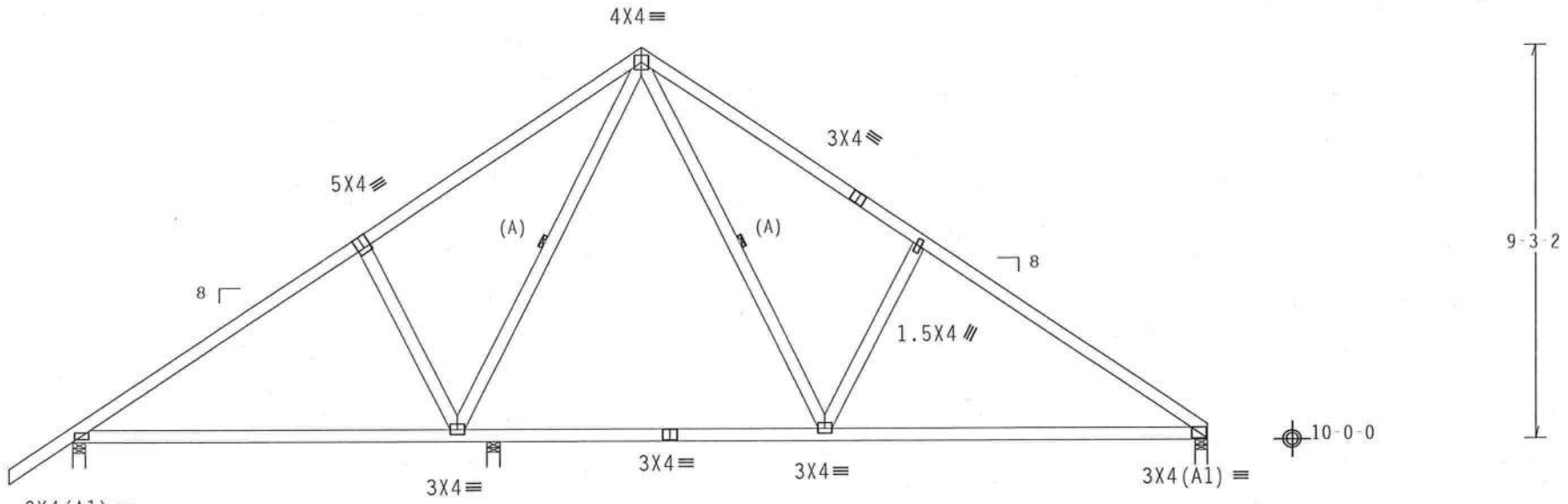
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

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

Wind reactions based on MWFRS pressures.

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

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



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave | FT/RT=10%(0%)/0(0) | 9.02.00 | QTY:3 | FL/-/4/-/-/R/- | Scale =.25"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
26 '10

TC LL	20.0 PSF	REF	R8228- 37547
TC DL	10.0 PSF	DATE	02/26/10
BC DL	10.0 PSF	DRW	HCUSR8228 10057025
BC LL	0.0 PSF		HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN-	89128
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - M5)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Rt Bearing Leg 2x6 SP #2:

Roof overhang supports 2.00 psf soffit load.

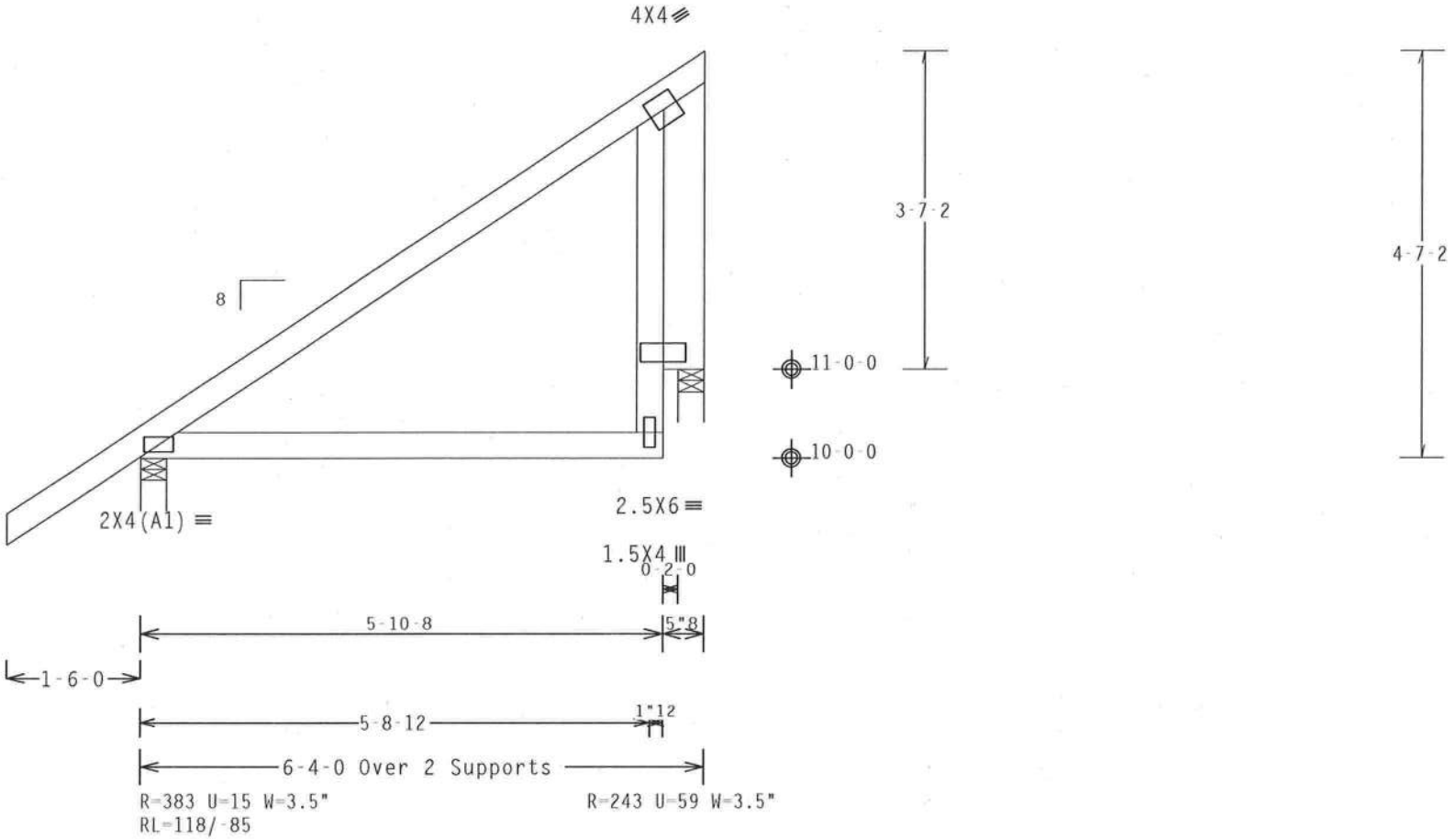
Deflection meets L/240 live and L/180 total load.

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

Wind reactions based on MWFRS pressures.

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)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 QTY:6 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
26 '10

TC LL	20.0 PSF	REF	R8228- 37548
TC DL	10.0 PSF	DATE	02/26/10
BC DL	10.0 PSF	DRW	HCUSR8228 10057026
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	89152
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - M6)

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.

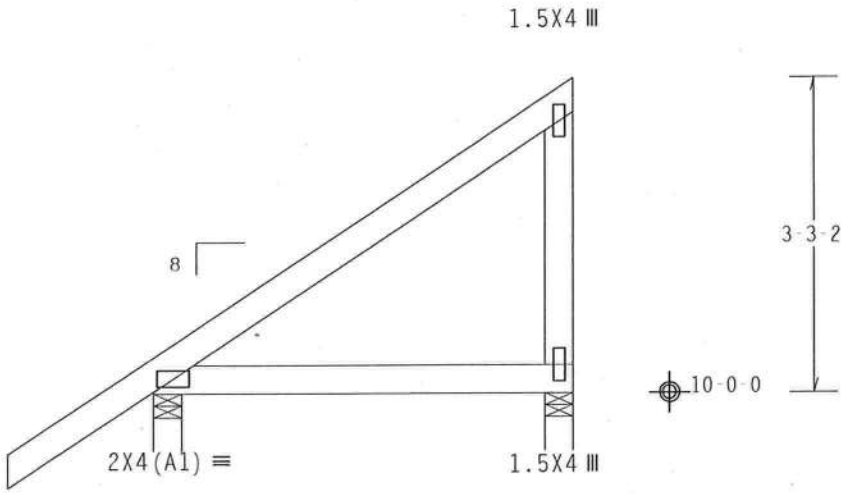
Deflection meets L/240 live and L/180 total load.

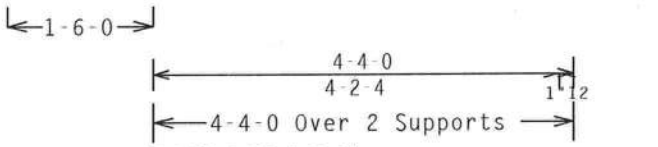
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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





R=314 U=28 W=3.5"
RL=88/-71

R=154 U=36 W=3.5"

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

PLT TYP. Wave

9.02.00 [illegible] QTY:3 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

[illegible] 26 '10

TC LL	20.0 PSF	REF R8228- 37549
TC DL	10.0 PSF	DATE 02/26/10
BC DL	10.0 PSF	DRW HCUSR8228 10057008
BC LL	0.0 PSF	HC-ENG DF/DF *
TOT.LD.	40.0 PSF	SEQN- 89155
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TZN8228Z02

(10-043- Fill in later MATTHEW SKOWRON -- , ** - M)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Rt Bearing Leg 2x6 SP #2:

Roof overhang supports 2.00 psf soffit load.

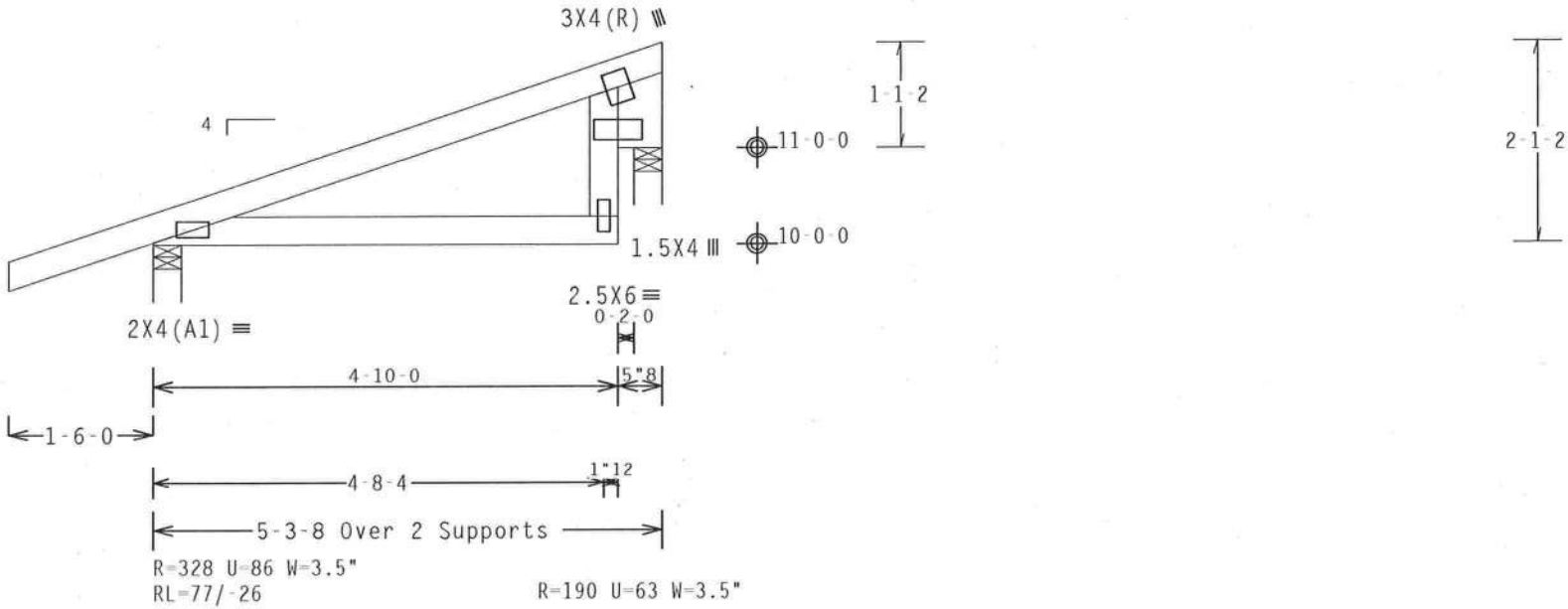
Deflection meets L/240 live and L/180 total load.

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

Wind reactions based on MWFRS pressures.

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.



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave | FT/RT=10%(0%)/0(0) | 9.02.00 | QTY:7 | FL/-/4/-/-/R/- | Scale =.5"/Ft.

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

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
26 '10

TC LL	20.0 PSF	REF	R8228- 37550
TC DL	10.0 PSF	DATE	02/26/10
BC DL	10.0 PSF	DRW	HCUSR8228 10057027
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	89177
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - M3)

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

Roof overhang supports 2.00 psf soffit load.

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

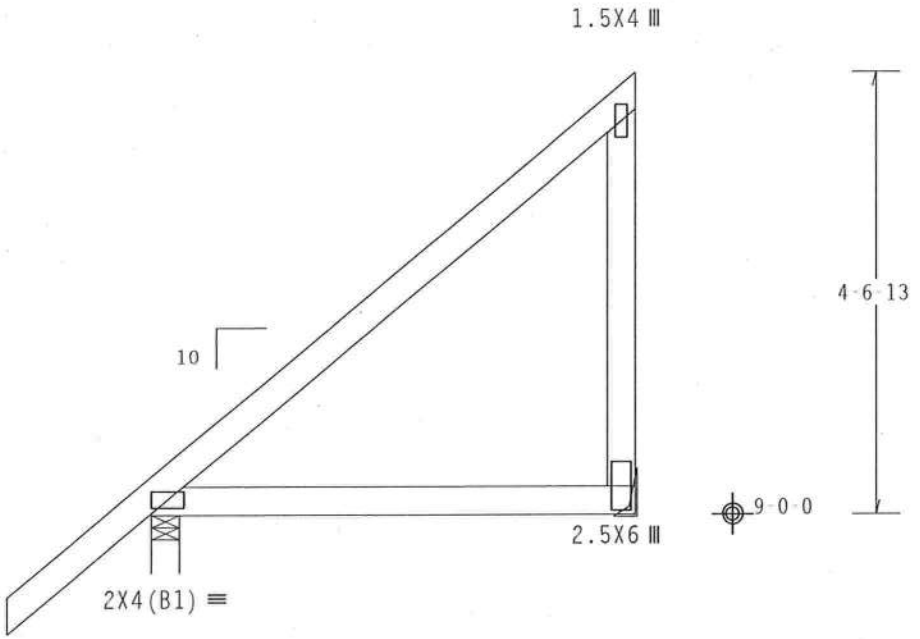
Deflection meets L/240 live and L/180 total load.

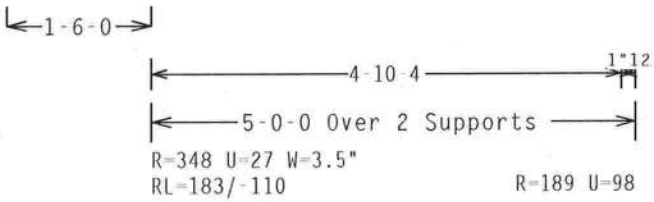
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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





Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 [illegible] QTY:5 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
[illegible] 26 '10

TC LL	20.0 PSF	REF	R8228- 37551
TC DL	10.0 PSF	DATE	02/26/10
BC DL	10.0 PSF	DRW	HCUSR8228 10057028
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	89184
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - L1)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W9 2x4 SP #2 Dense:

110 mph wind, 15.56 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

Truss spaced at 24.0" OC designed to support 1-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

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

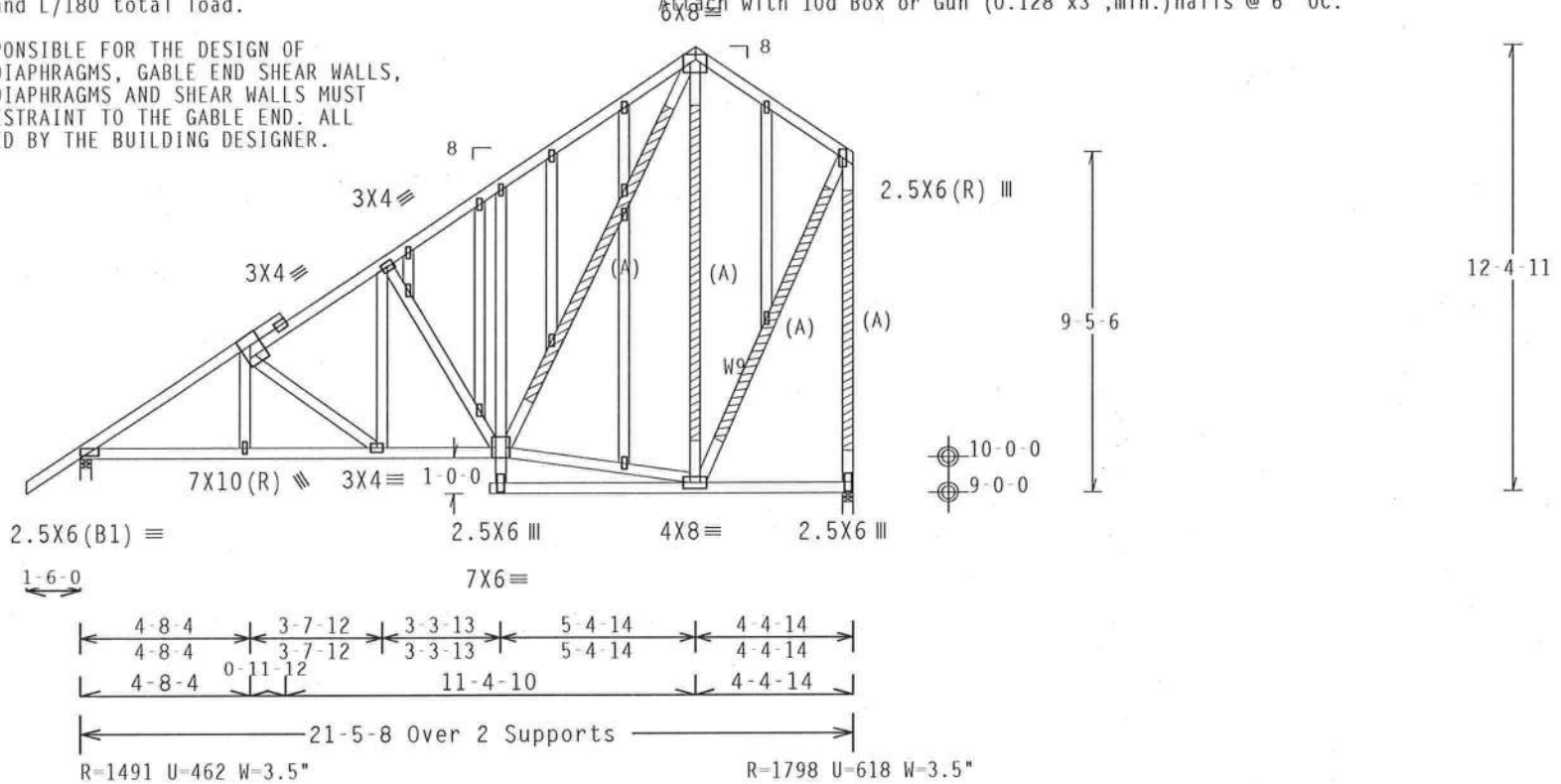
THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF, FLOOR AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. DIAPHRAGMS AND SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS ARE TO BE PROVIDED BY THE BUILDING DESIGNER.

Special loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC - From 64 plf at -1.50 to 64 plf at 17.05
TC - From 64 plf at 17.05 to 64 plf at 21.46
BC - From 5 plf at -1.50 to 5 plf at 0.00
BC - From 20 plf at 0.00 to 20 plf at 11.33
BC - From 20 plf at 11.33 to 20 plf at 21.46
PLB- 626 LB Conc. Load at (11.40, 9.04)
PLB- 189 LB Conc. Load at (13.40, 9.04) , (15.40,9.04), (17.40,9.04) (19.40,9.04)

Right end vertical not exposed to wind pressure.

See DWGS A11030050109 & GBLLETIN0109 for more requirements.

(A) #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" OC.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
2/26 '10

TC LL	20.0 PSF	REF	R8228- 37552
TC DL	10.0 PSF	DATE	02/26/10
BC DL	10.0 PSF	DRW	HCUSR8228 10057029
BC LL	0.0 PSF		HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN-	89406
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - M-4)

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

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

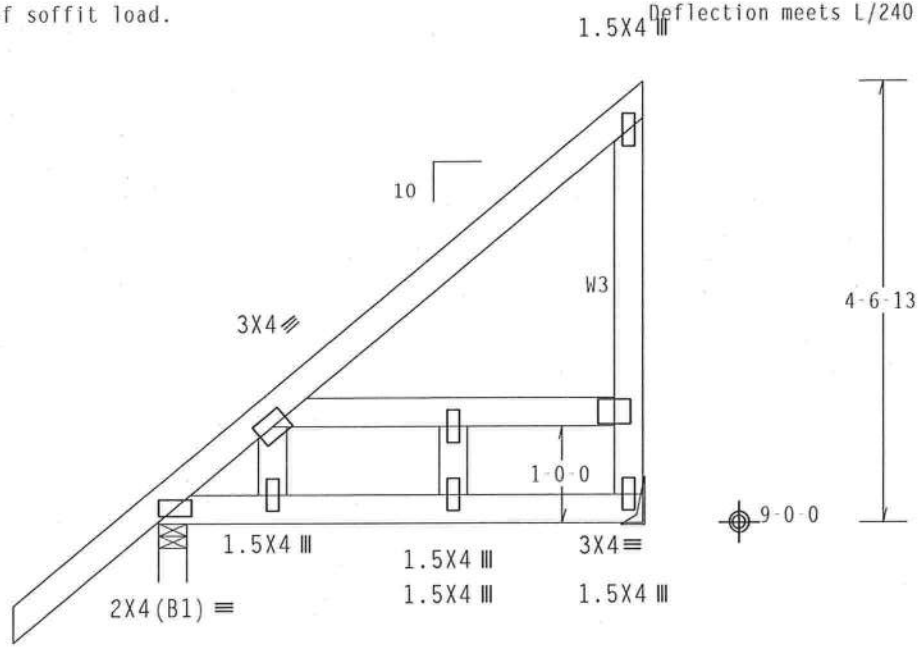
Wind reactions based on MWFRS pressures.

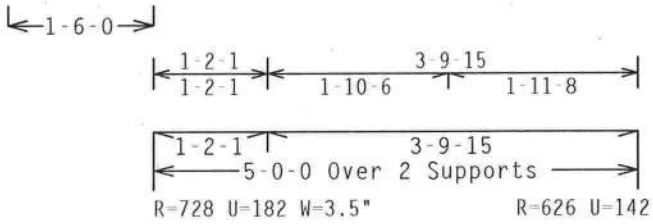
Roof overhang supports 2.00 psf soffit load.

Special loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC - From 66 plf at -1.50 to 66 plf at 5.00
BC - From 5 plf at -1.50 to 5 plf at 0.00
BC - From 20 plf at 0.00 to 20 plf at 5.00
BC - 132 lb Conc. Load at 1.09
BC - 685 lb Conc. Load at 3.06

Right end vertical not exposed to wind pressure.

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

9.02.00 [illegible] QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
26 '10

TC LL	20.0 PSF	REF R8228- 37553
TC DL	10.0 PSF	DATE 02/26/10
BC DL	10.0 PSF	DRW HCUSR8228 10057030
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 89226
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - J3S)

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

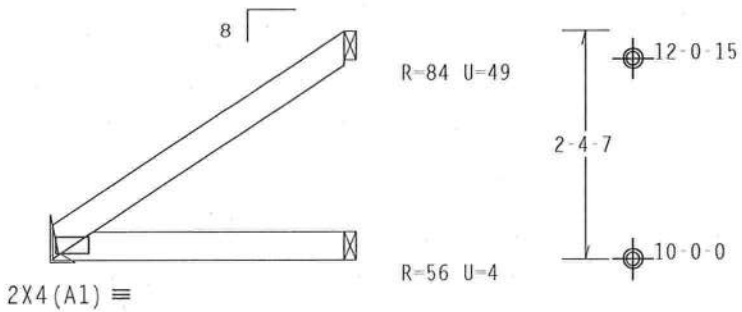
Bottom chord checked for 10.00 psf non-concurrent live load.

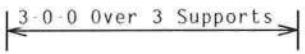
Deflection meets L/240 live and L/180 total load.

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

Wind reactions based on MWFRS pressures.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.





R=132 U=4
RL=67/-20

Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 [illegible] QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

[illegible]ED 26 '10

TC LL	20.0 PSF	REF	R8228- 37554
TC DL	10.0 PSF	DATE	02/26/10
BC DL	10.0 PSF	DRW	HCUSR8228 10057031
BC LL	0.0 PSF		HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN-	89192
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - NGE)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :M5 2x4 SP #2 Dense:
: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.

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

Fasten rated sheathing to one face of this frame.

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

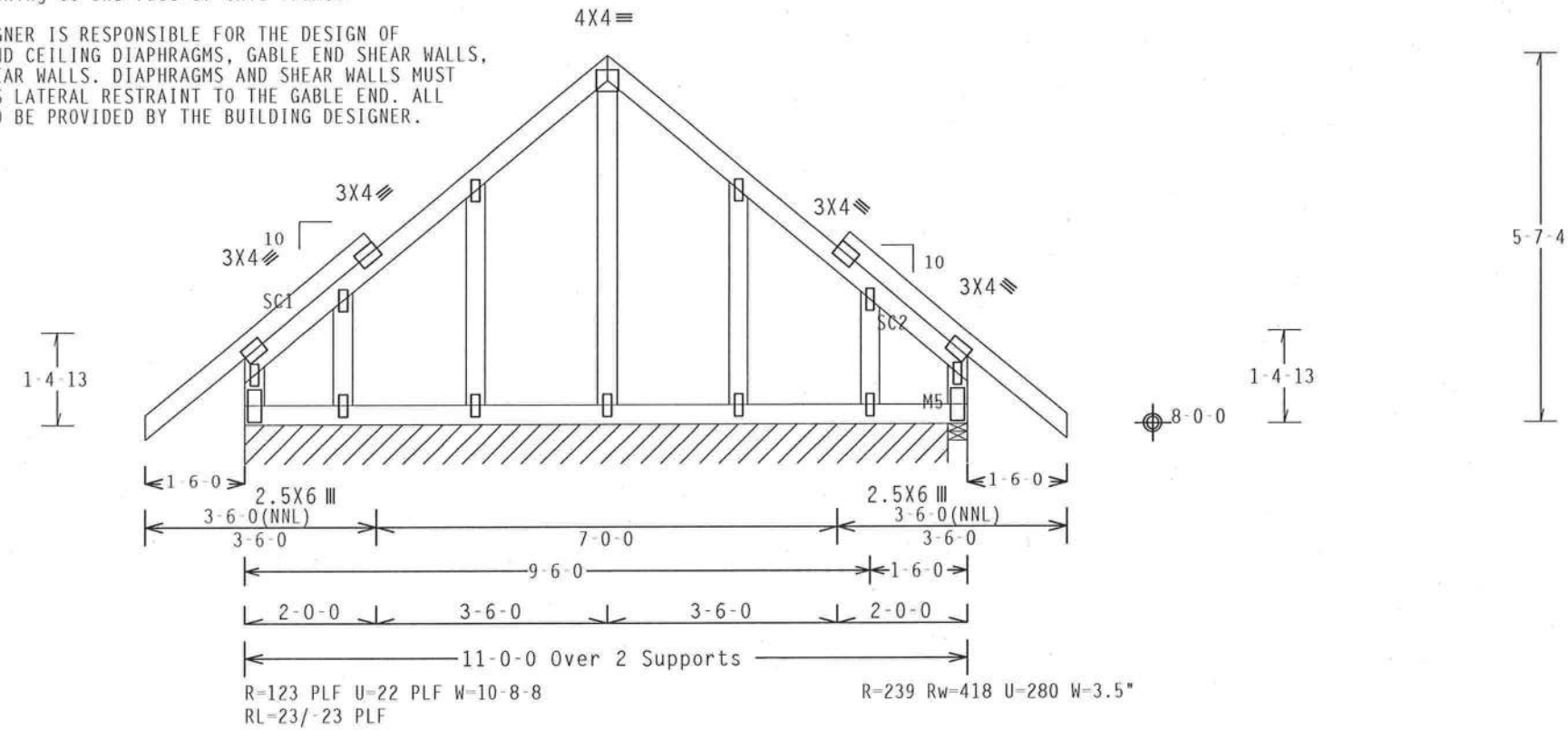
Wind reactions based on MWFRS pressures.

Truss spaced at 24.0" OC designed to support 1-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

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

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

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)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 [illegible] QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

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

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
[illegible] 26 '10

TC LL	20.0 PSF	REF	R8228- 37555
TC DL	10.0 PSF	DATE	02/26/10
BC DL	10.0 PSF	DRW	HCUSR8228 10057032
BC LL	0.0 PSF		HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN-	89250
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - M1)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Rt Bearing Leg 2x6 SP #2:

Roof overhang supports 2.00 psf soffit load.

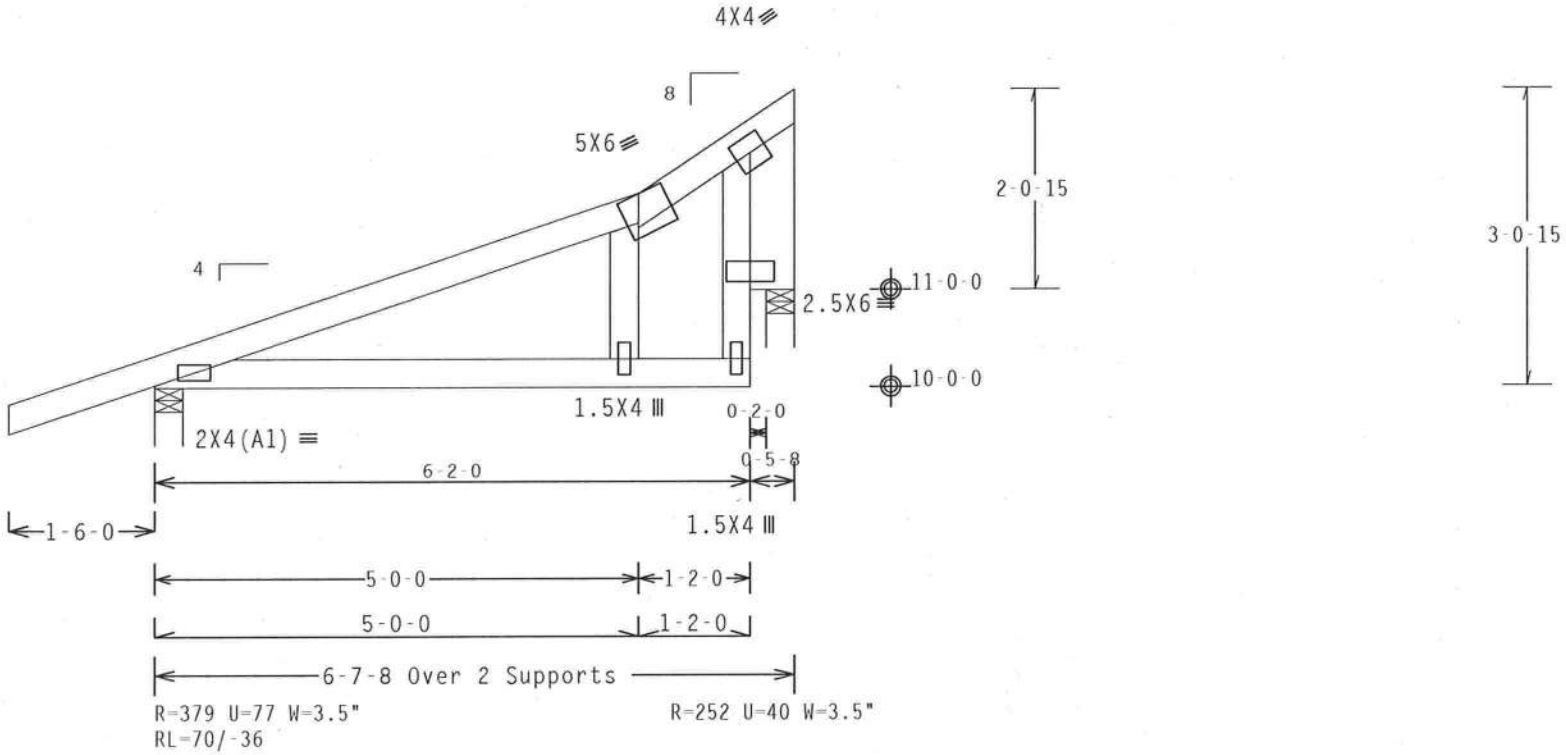
Deflection meets L/240 live and L/180 total load.

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

Wind reactions based on MWFRS pressures.

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)

PLT TYP. Wave | FT/RT=10%(0%)/0(0) | 9.02.00 | QTY:3 | FL/-/4/-/-/R/- | Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
26 '10

TC LL	20.0 PSF	REF	R8228- 37556
TC DL	10.0 PSF	DATE	02/26/10
BC DL	10.0 PSF	DRW	HCUSR8228 10057033
BC LL	0.0 PSF		HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN-	89271
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - B3)

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

Roof overhang supports 2.00 psf soffit load.

(A) Continuous lateral bracing equally spaced on member.

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

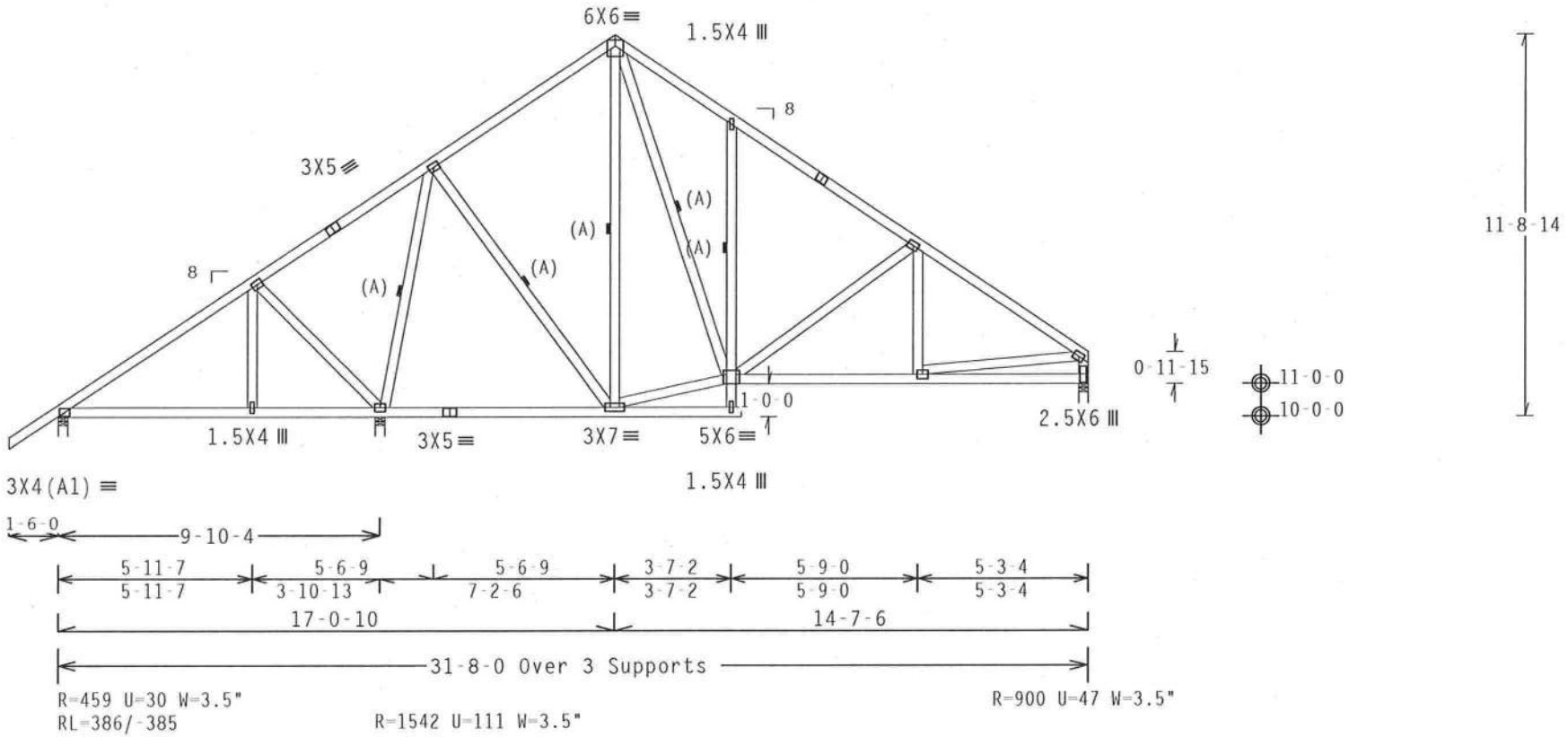
MWFRS loads based on trusses located at least 15.56 ft. from roof edge.

110 mph wind, 15.56 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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



Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 [illegible] QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

26 '10

TC LL	20.0 PSF	REF	R8228- 37557
TC DL	10.0 PSF	DATE	02/26/10
BC DL	10.0 PSF	DRW	HCUSR8228 10057034
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	89288
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - D)

Top chord 2x4 SP #2 Dense :T2 2x6 SP #1 Dense:
:T4 2x6 SP SS:
Bot chord 2x6 SP #1 Dense :B2 2x8 SP #1 Dense:
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

(A) Continuous lateral bracing equally spaced on member.

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

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 6-3-0 to 16-3-0.

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

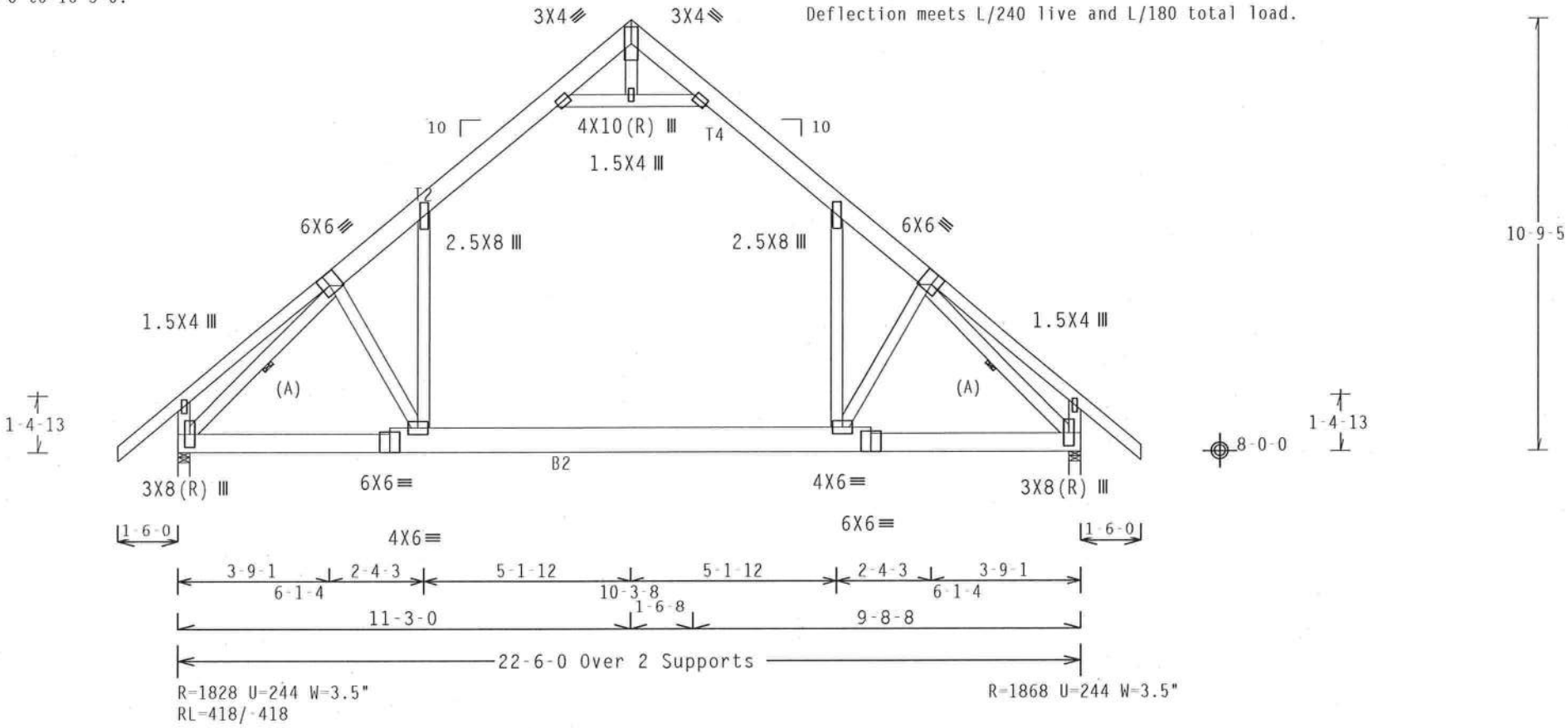
Wind reactions based on MWFRS pressures.

Calculated horizontal deflection is 0.13" due to live load and 0.15" due to dead load.

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

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

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



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 [illegible] QTY:2 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
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Haines City, FL 33844
FL COA #0278

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DOUGLAS FLEMING LICENSE No.66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
[illegible] 26 '10

TC LL	20.0 PSF	REF	R8228- 37558
TC DL	10.0 PSF	DATE	02/26/10
BC DL	10.0 PSF	DRW	HCUSR8228 10057035
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	79255
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - DGE)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Stack Chord SC1 2x4 SP #2 Dense:

Roof overhang supports 2.00 psf soffit load.

Truss spaced at 24.0" OC designed to support 1-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

(A) Continuous lateral bracing equally spaced on member.

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

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

Negative reaction(s) of -238# MAX. (See below) from a non-wind load case requires uplift connection.

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

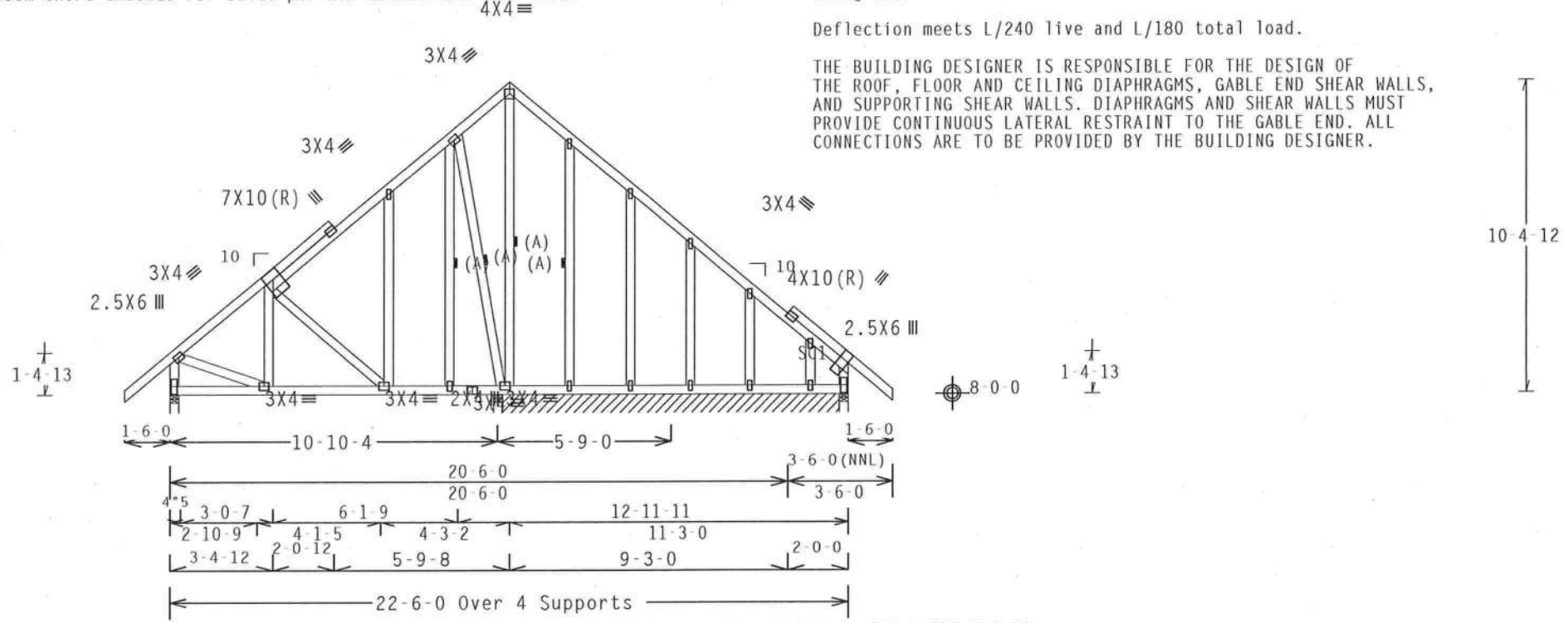
Wind reactions based on MWFRS pressures.

See DWGS A11015050109 & GBLLETIN0109 for more requirements.

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

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

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



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 [illegible] QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
[illegible] 26 '10

TC LL	20.0 PSF	REF	R8228- 37559
TC DL	10.0 PSF	DATE	02/26/10
BC DL	10.0 PSF	DRW	HCUSR8228 10057036
BC LL	0.0 PSF		HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN-	89520
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - D1)

Top chord 2x4 SP #2 Dense :T2 2x6 SP #1 Dense:
:T4 2x6 SP SS:
Bot chord 2x6 SP #1 Dense :B2 2x8 SP #1 Dense:
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

(A) Continuous lateral bracing equally spaced on member.

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

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 6-3-0 to 16-3-0.

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

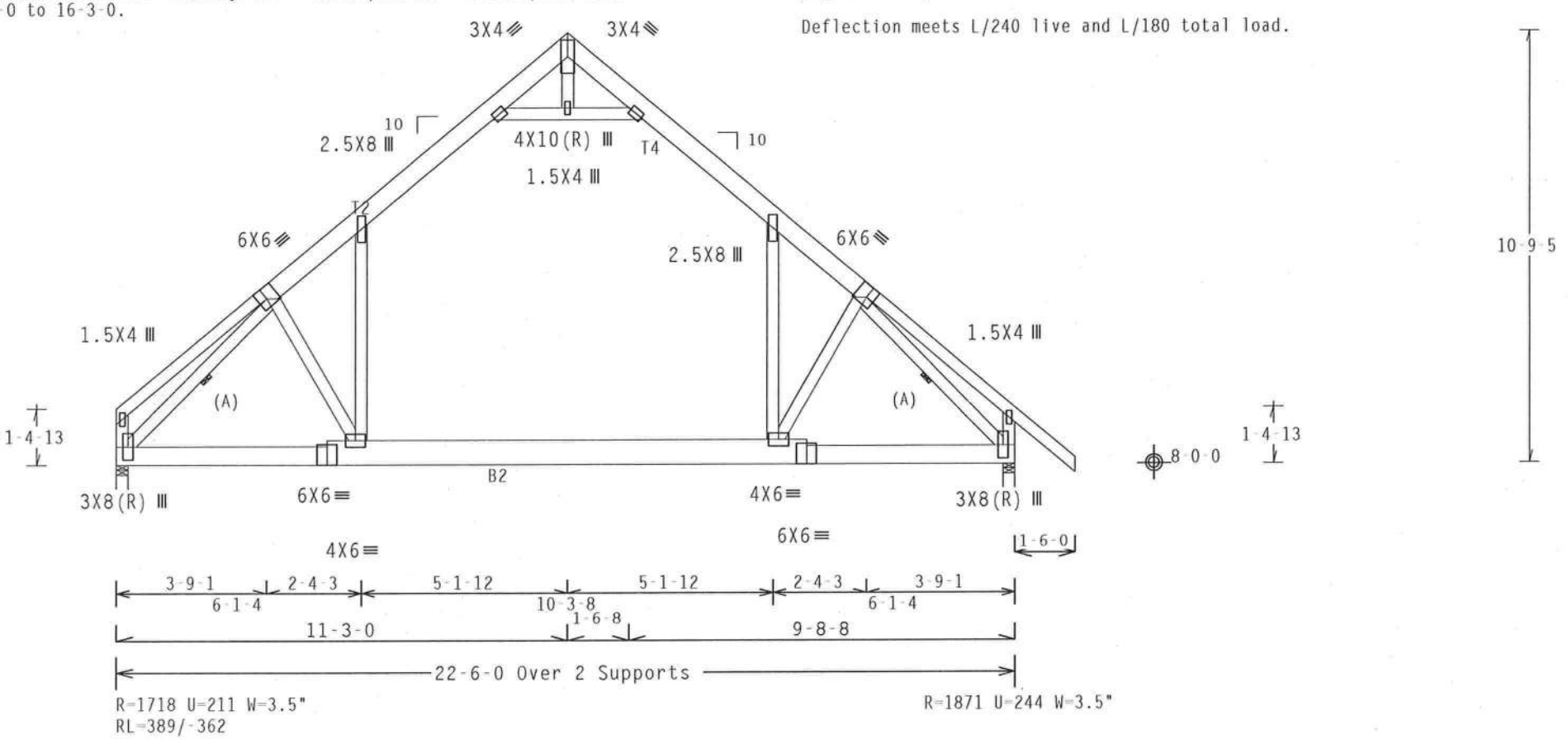
Wind reactions based on MWFRS pressures.

Calculated horizontal deflection is 0.13" due to live load and 0.16" due to dead load.

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

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

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



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 [illegible] QTY:3 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
26 '10

TC LL	20.0 PSF	REF	R8228- 37560
TC DL	10.0 PSF	DATE	02/26/10
BC DL	10.0 PSF	DRW	HCUSR8228 10057048
BC LL	0.0 PSF		HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN-	79263
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - D2)

Top chord 2x4 SP #2 Dense :T2 2x6 SP #1 Dense:
:T4 2x6 SP SS:
Bot chord 2x6 SP #1 Dense :B2 2x8 SP #1 Dense:
Webs 2x4 SP #3 :W1 2x4 SP #2 Dense:
:Lt Bearing Leg 2x6 SP #2:

Roof overhang supports 2.00 psf soffit load.

Max JT VERT DEFL: LL: 0.18" DL: 0.22" recommended camber 3/8"

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

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

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 6-3-0 to 16-3-0.

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

THIS TRUSS IS DESIGNED TO SUPPORT THE LOAD FROM 24" OC SPACING ONLY AND IS NOT DESIGNED TO SUPPORT ANY ADDITIONAL LOADING FROM FIELD FRAMING.

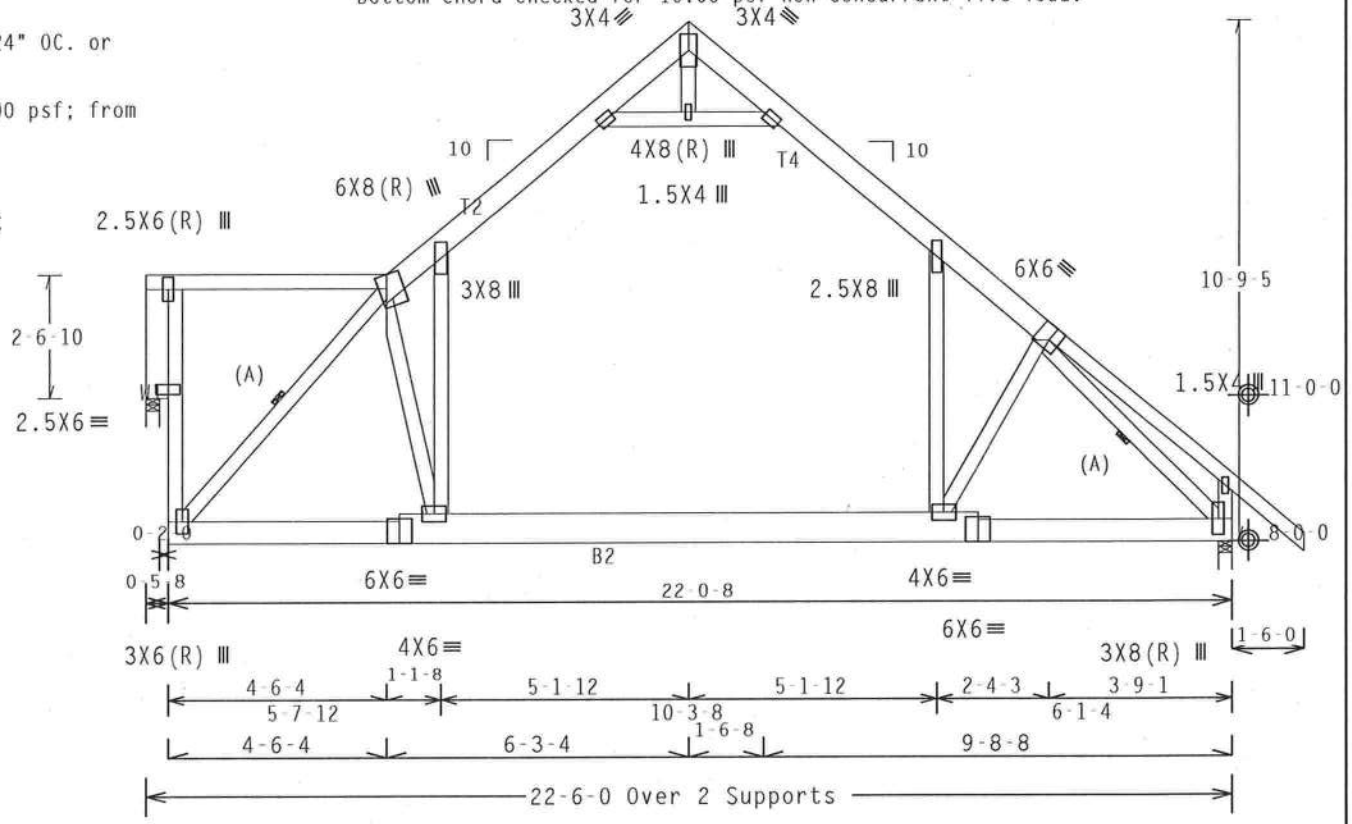
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Calculated horizontal deflection is 0.15" due to live load and 0.18" due to dead load.

(A) Continuous lateral bracing equally spaced on member.

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



R=1723 U=228 W=3.5"
RL=294/-307

R=1857 U=247 W=3.5"

Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 QTY:4 FL/-/4/-/-/R/- Scale =.25"/Ft.

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

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
26 '10

TC LL	20.0 PSF	REF	R8228- 37561
TC DL	10.0 PSF	DATE	02/26/10
BC DL	10.0 PSF	DRW	HCUSR8228 10057049
BC LL	0.0 PSF		HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN-	79295
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - L2)

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) #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" OC.

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

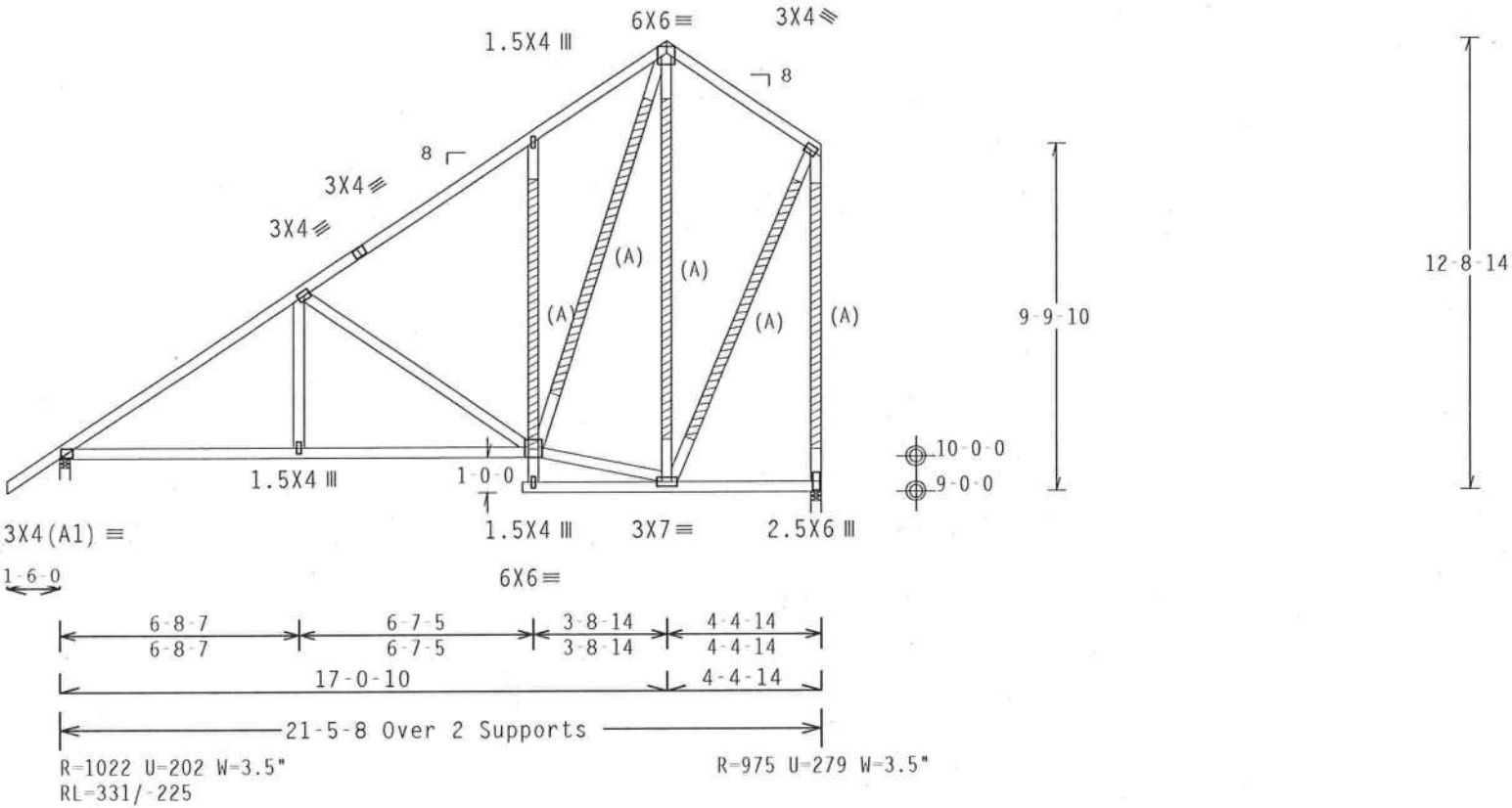
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.56 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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



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

PLT TYP. Wave

9.02.00 [illegible] QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
[illegible] 26 '10

TC LL	20.0 PSF	REF	R8228- 37562
TC DL	10.0 PSF	DATE	02/26/10
BC DL	10.0 PSF	DRW	HCUSR8228 10057009
BC LL	0.0 PSF	HC-ENG	DF/DF *
TOT.LD.	40.0 PSF	SEQN-	89603
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - L3)

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) #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" OC.

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

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

THIS TRUSS IS DESIGNED TO SUPPORT THE LOAD FROM 24" OC SPACING ONLY AND IS NOT DESIGNED TO SUPPORT ANY ADDITIONAL LOADING FROM FIELD FRAMING.

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

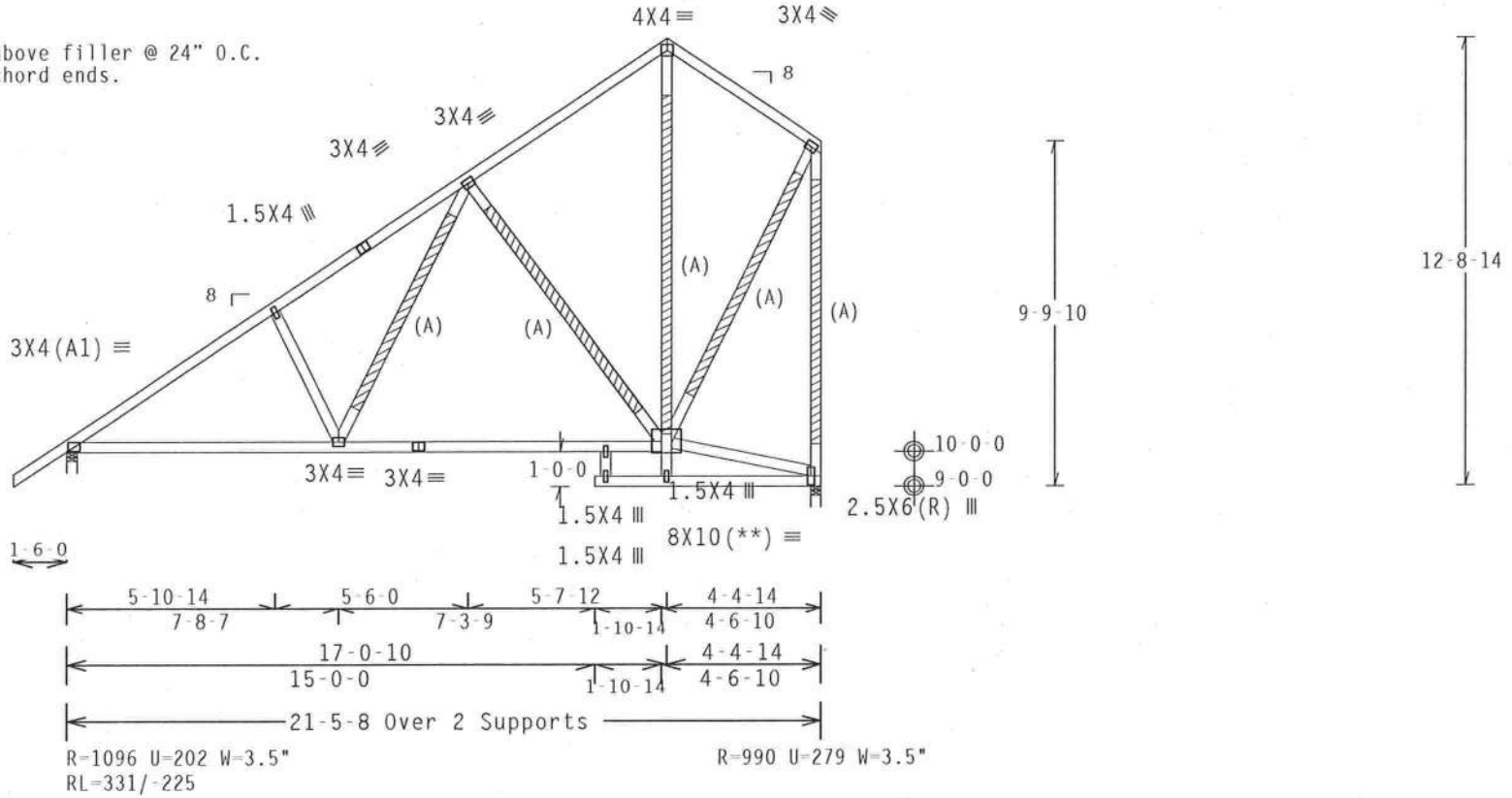
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.56 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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.



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

PLT TYP. Wave | 9.02.00.0 | QTY:1 | FL/-/4/-/-/R/- | Scale =.1875"/Ft.

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

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
26 '10

TC LL	20.0 PSF	REF	R8228- 37563
TC DL	10.0 PSF	DATE	02/26/10
BC DL	10.0 PSF	DRW	HCUSR8228 10057050
BC LL	0.0 PSF		HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN-	89641
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - L4)

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

Special loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC - From 64 plf at -1.50 to 64 plf at 8.32
TC - From 64 plf at 8.32 to 64 plf at 15.33
BC - From 5 plf at -1.50 to 5 plf at 0.00
BC - From 20 plf at 0.00 to 20 plf at 2.29
BC - From 20 plf at 2.29 to 20 plf at 13.04
BC - From 20 plf at 13.04 to 20 plf at 15.33
TC - 120 lb Conc. Load at 15.33

Wind reactions based on MWFRS pressures.

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

*** WIND LOAD CASE MODIFIED! ***

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

THE BUILDING DESIGNER SHALL EVALUATE AND APPROVE LOAD MAGNITUDES AND LOCATIONS. THE TRUSS ENGINEER IS NOT RESPONSIBLE FOR LOAD MAGNITUDES AND LOCATIONS.

** The maximum horizontal reaction is 464# **

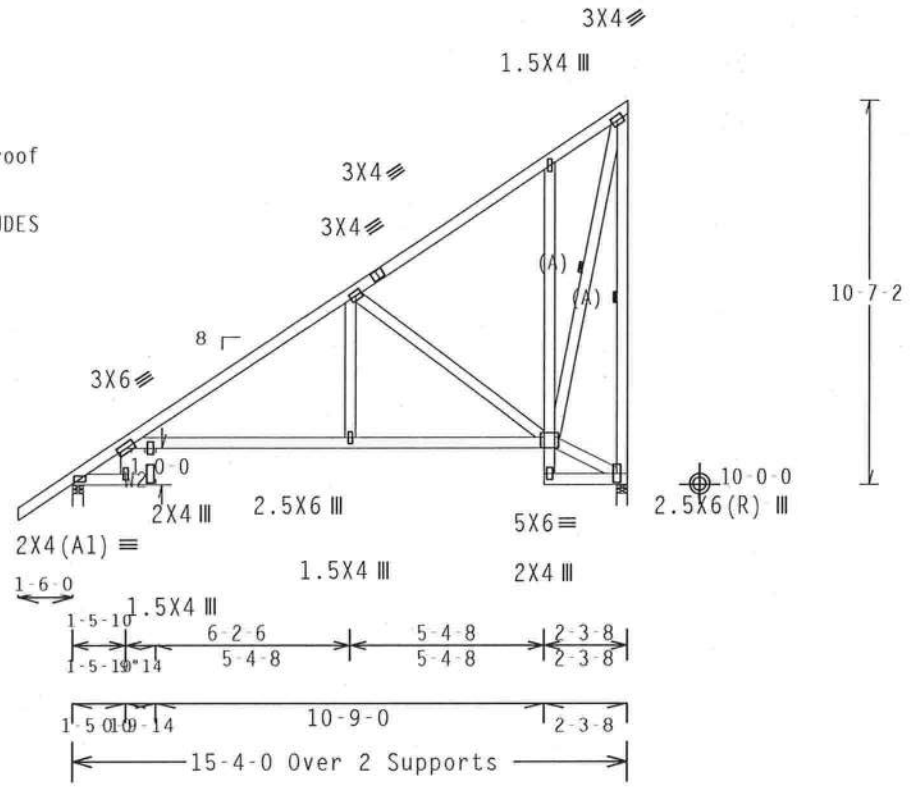
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

(A) Continuous lateral bracing equally spaced on member.

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



R=760 U=211 W=3.5"
RL=382/-147

R=752 U=268 W=3.5"

Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 QTY:4 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
26 '10

TC LL	20.0 PSF	REF R8228- 37564
TC DL	10.0 PSF	DATE 02/26/10
BC DL	10.0 PSF	DRW HCUSR8228 10057039
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 79100
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - L5)

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

Special loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC - From	64 plf at	-1.50 to	64 plf at	8.32
TC - From	64 plf at	8.32 to	64 plf at	16.33
BC - From	5 plf at	-1.50 to	5 plf at	0.00
BC - From	20 plf at	0.00 to	20 plf at	2.29
BC - From	20 plf at	2.29 to	20 plf at	13.04
BC - From	20 plf at	13.04 to	20 plf at	16.33

TC - 120 lb Conc. Load at 16.33

Wind reactions based on MWFRS pressures.

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

MWFRS loads based on trusses located at least 15.32 ft. from roof edge.

THE BUILDING DESIGNER SHALL EVALUATE AND APPROVE LOAD MAGNITUDES AND LOCATIONS. THE TRUSS ENGINEER IS NOT RESPONSIBLE FOR LOAD MAGNITUDES AND LOCATIONS.

** The maximum horizontal reaction is 485# **

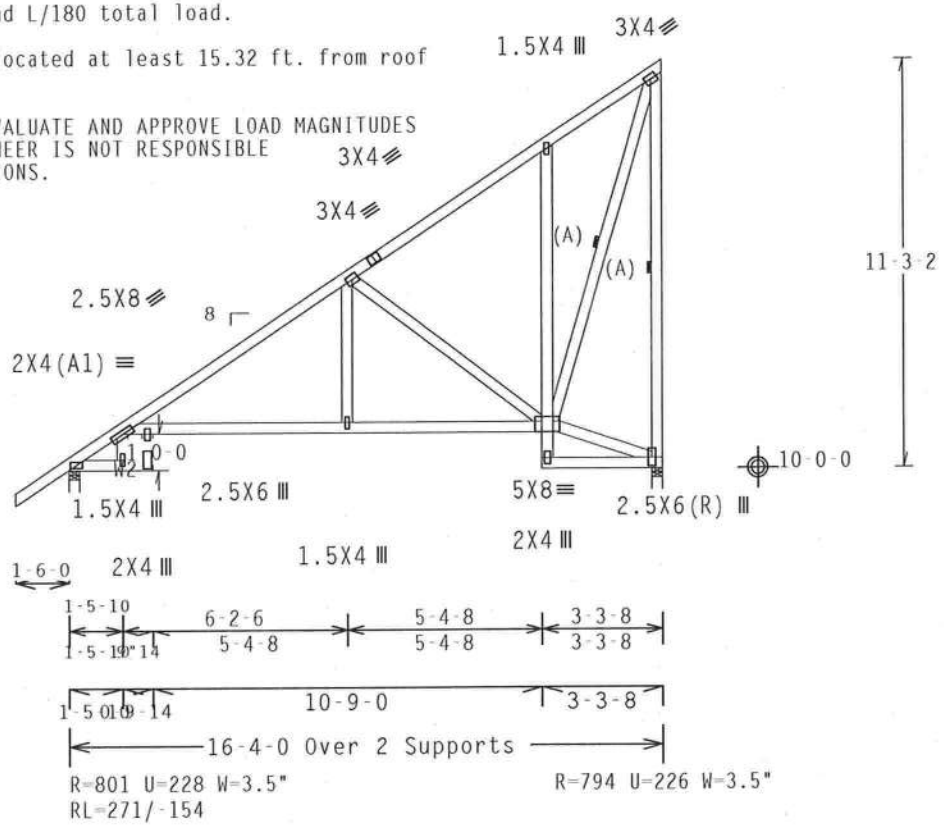
110 mph wind, 15.32 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

(A) Continuous lateral bracing equally spaced on member.

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



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

PLT TYP. Wave

9.02.00 [illegible] QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

[illegible] 26 '10

TC LL	20.0	PSF	REF R8228- 37565
TC DL	10.0	PSF	DATE 02/26/10
BC DL	10.0	PSF	DRW HCUSR8228 10057040
BC LL	0.0	PSF	HC-ENG DF/DF
TOT.LD.	40.0	PSF	SEQN- 79093
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - L6)

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

Special loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC - From	64 plf	at -1.50	to	64 plf	at 16.33
BC - From	5 plf	at -1.50	to	5 plf	at 0.00
BC - From	20 plf	at 0.00	to	20 plf	at 5.67
BC - From	60 plf	at 5.67	to	60 plf	at 8.00
BC - From	20 plf	at 8.00	to	20 plf	at 8.42
BC - From	60 plf	at 8.42	to	60 plf	at 10.67
BC - From	20 plf	at 10.67	to	20 plf	at 16.33

TC - 120 lb Conc. Load at 16.33

Wind reactions based on MWFRS pressures.

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** The maximum horizontal reaction is 485# **

110 mph wind, 15.32 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

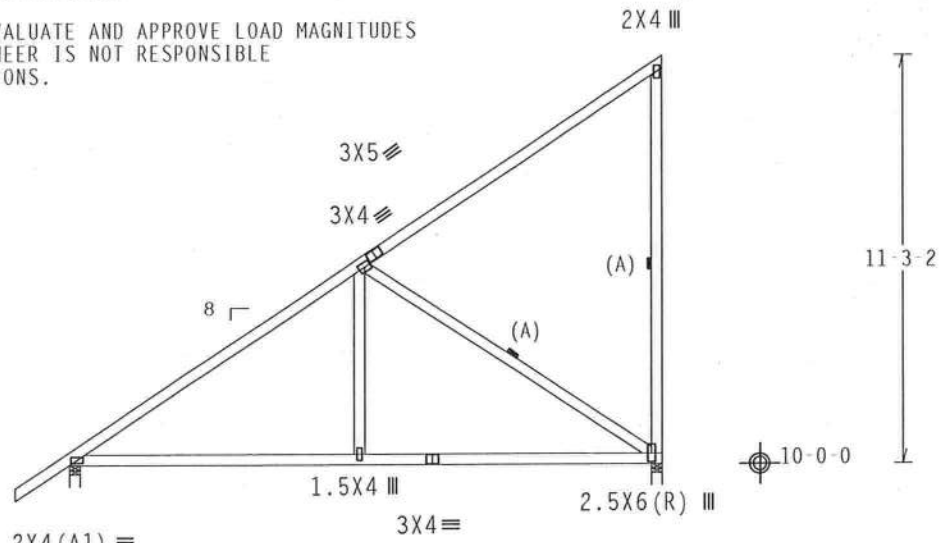
Right end vertical not exposed to wind pressure.

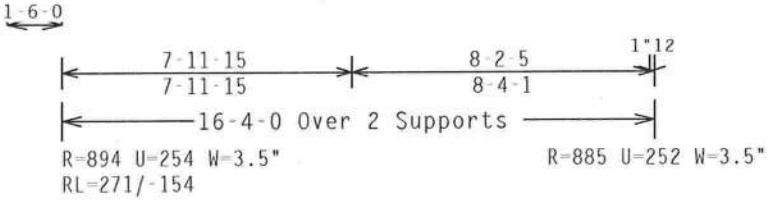
Roof overhang supports 2.00 psf soffit load.

(A) Continuous lateral bracing equally spaced on member.

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

MWFRS loads based on trusses located at least 15.32 ft. from roof edge.





Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00.0 QTY:2 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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

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DOUGLAS FLEMING LICENSE No.66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
'10

TC LL	20.0 PSF	REF	R8228- 37566
TC DL	10.0 PSF	DATE	02/26/10
BC DL	10.0 PSF	DRW	HCUSR8228 10057041
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	79070
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - HJ3)

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

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

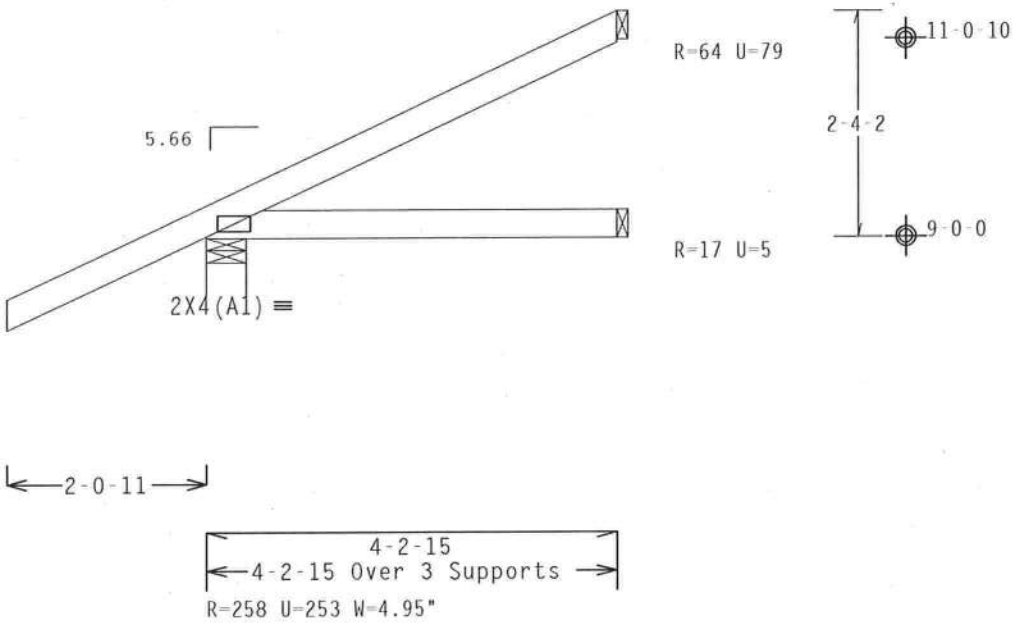
Wind reactions based on MWFRS pressures.

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

Special loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC - From 62 plf at -2.06 to 62 plf at 4.24
BC - From 4 plf at -2.06 to 4 plf at 0.00
BC - From 20 plf at 0.00 to 20 plf at 4.24
TC - -119 lb Conc. Load at 1.48
BC - -28 lb Conc. Load at 1.48

Roof overhang supports 2.00 psf soffit load.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 10/10 QTY:2 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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DOUGLAS FLEMING LICENSE No.66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
26 '10

TC LL	20.0 PSF	REF R8228- 37567
TC DL	10.0 PSF	DATE 02/26/10
BC DL	10.0 PSF	DRW HCUSR8228 10057042
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 79127
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - EJ3)

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

Roof overhang supports 2.00 psf soffit load.

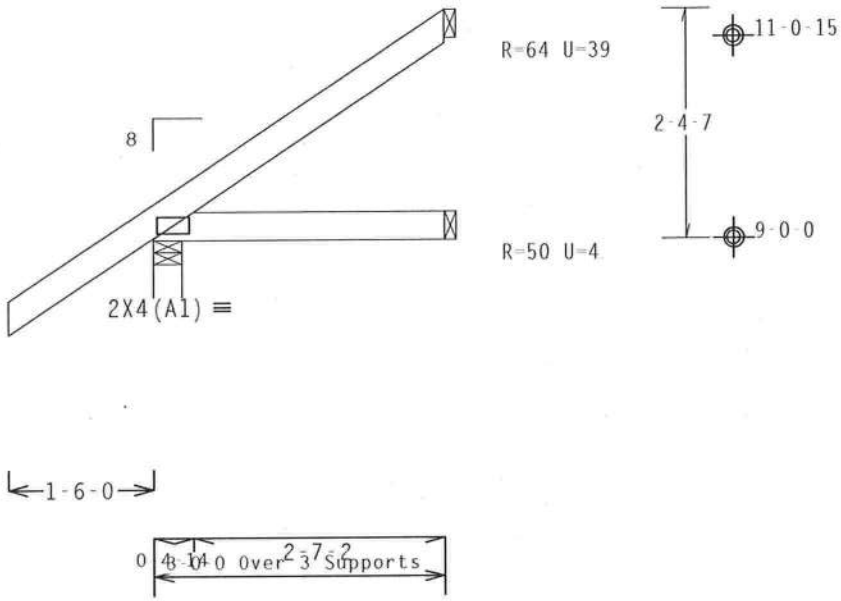
Bottom chord checked for 10.00 psf non-concurrent live load.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

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

Wind reactions based on MWFRS pressures.

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



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave

FT/RT=10%(0%)/0(0) 9.02.00 [illegible] QTY:4 FL/-/4/-/-/R/- Scale =.5"/Ft.

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Haines City, FL 33844
FL COA #0 278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

[illegible] 26 '10

TC LL	20.0 PSF	REF R8228- 37568
TC DL	10.0 PSF	DATE 02/26/10
BC DL	10.0 PSF	DRW HCUSR8228 10057043
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 79123
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - H3F)

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

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

Wind reactions based on MWFRS pressures.

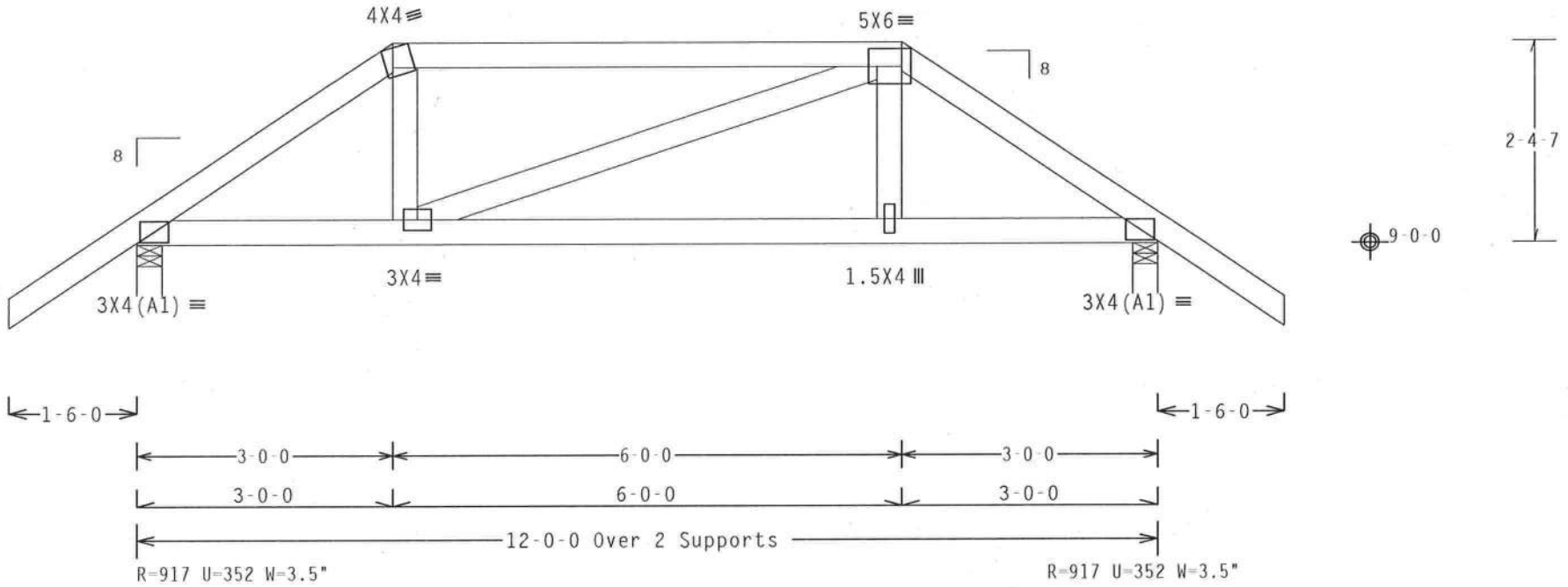
Roof overhang supports 2.00 psf soffit load.

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

Special loads
(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC	From	64 plf	at	-1.50	to	64 plf	at 3.00
TC	From	64 plf	at	3.00	to	64 plf	at 9.00
TC	From	64 plf	at	9.00	to	64 plf	at 13.50
BC	From	5 plf	at	-1.50	to	5 plf	at 0.00
BC	From	20 plf	at	0.00	to	20 plf	at 12.00
BC	From	5 plf	at	12.00	to	5 plf	at 13.50
TC		128 lb	Conc. Load	at	3.03	,	8.97
TC		64 lb	Conc. Load	at	5.06	,	6.94
BC		67 lb	Conc. Load	at	3.03	,	8.97
BC		50 lb	Conc. Load	at	5.06	,	6.94

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



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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DOUGLAS FLEMING LICENSE No.66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
2 26 '10

TC LL	20.0 PSF	REF	R8228- 37569
TC DL	10.0 PSF	DATE	02/26/10
BC DL	10.0 PSF	DRW	HCUSR8228 10057044
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	79174
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - F)

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

Special loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC - From 64 plf at -1.50 to 64 plf at 4.58
TC - From 64 plf at 4.58 to 64 plf at 7.42
TC - From 64 plf at 7.42 to 64 plf at 13.50
BC - From 5 plf at -1.50 to 5 plf at 0.00
BC - From 20 plf at 0.00 to 20 plf at 12.00
BC - From 5 plf at 12.00 to 5 plf at 13.50
BC - 1385 lb Conc. Load at 1.35 , 3.35, 5.35, 7.35 9.35, 9.94

Roof overhang supports 2.00 psf soffit load.

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

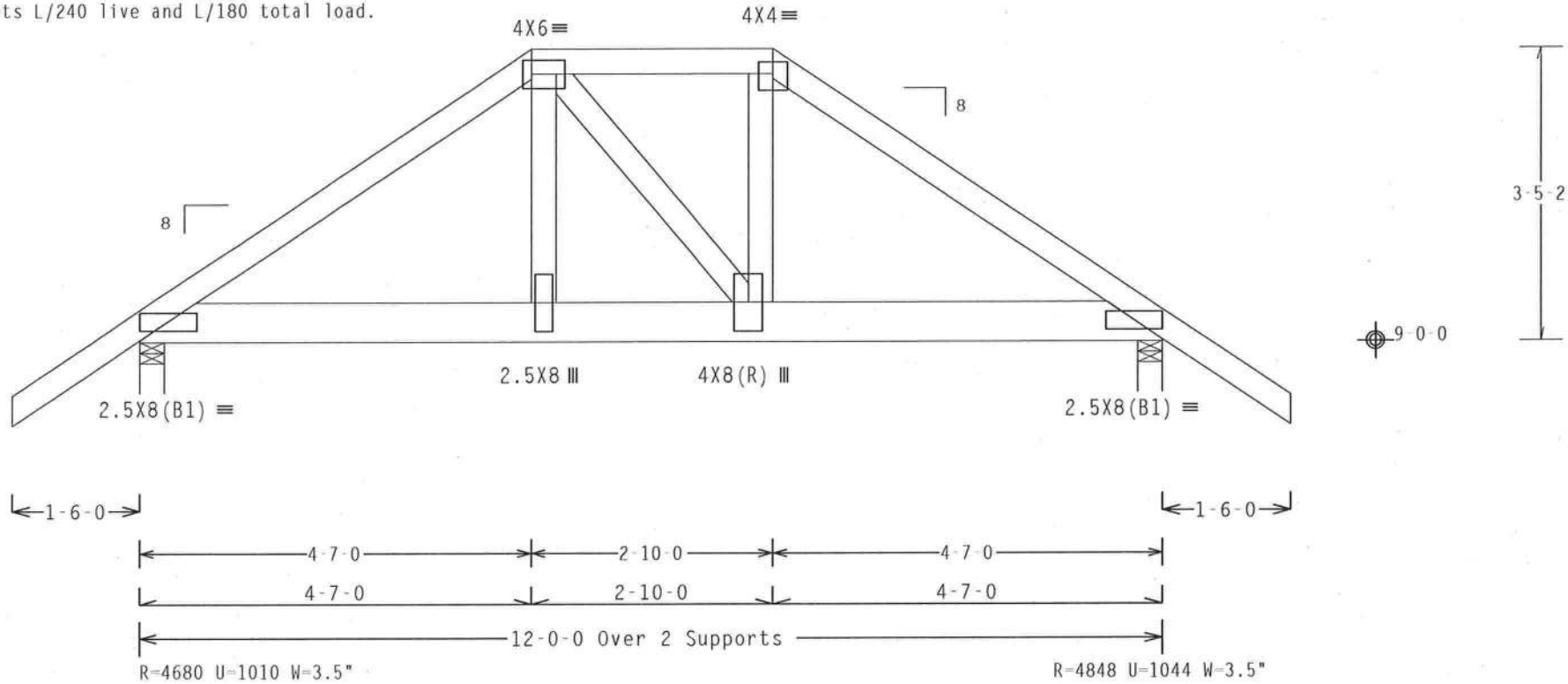
2 COMPLETE TRUSSES REQUIRED

Nail Schedule:0.131"x3" nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 4.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

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

Wind reactions based on MWFRS pressures.

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



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
'10

TC LL	20.0 PSF	REF	R8228- 37570
TC DL	10.0 PSF	DATE	02/26/10
BC DL	10.0 PSF	DRW	HCUSR8228 10057045
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	79195
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - A)

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

(A) Continuous lateral bracing equally spaced on member.

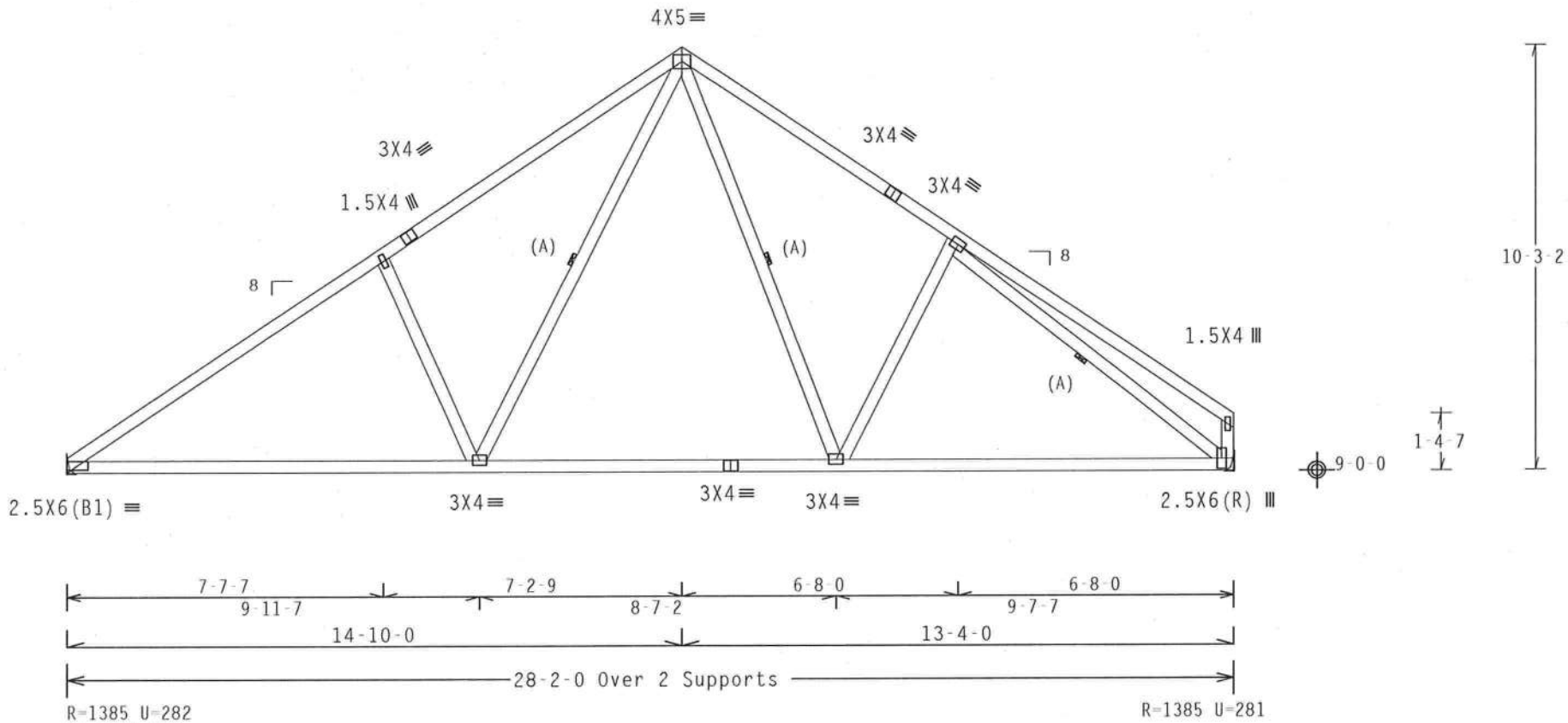
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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

Wind reactions based on MWFRS pressures.

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)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 QTY:6 FL/-/4/-/-/R/- Scale =.25"/Ft.

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

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
26 '10

TC LL	20.0 PSF	REF R8228- 37571
TC DL	10.0 PSF	DATE 02/26/10
BC DL	10.0 PSF	DRW HCUSR8228 10057037
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 79169
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - E-1)

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

Special loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC - From 66 plf at 0.00 to 66 plf at 6.00
TC - From 66 plf at 6.00 to 66 plf at 12.00
BC - From 20 plf at 0.00 to 20 plf at 12.00
BC - 1385 lb Conc. Load at 1.35 , 3.35, 5.35, 7.35
9.35, 9.94

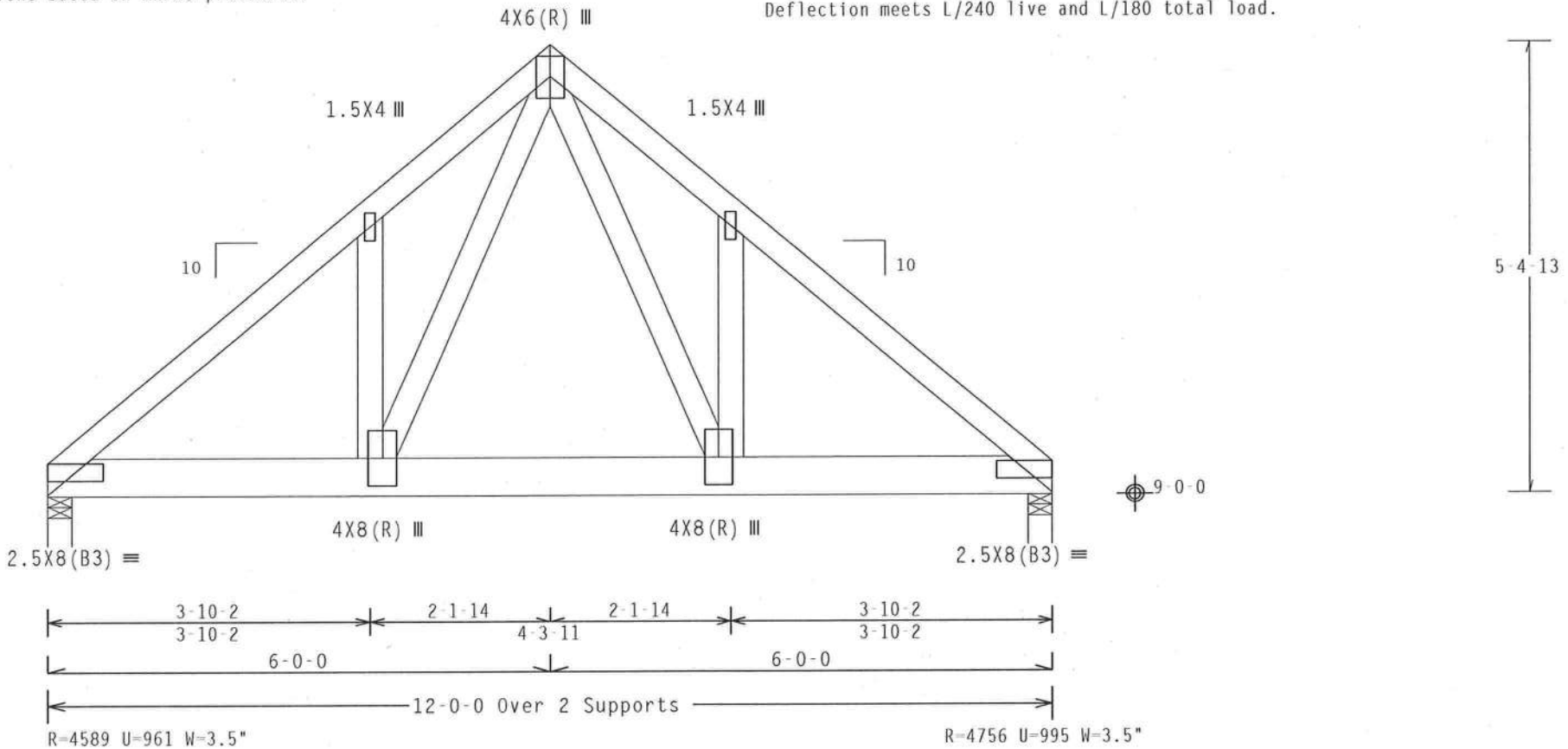
Wind reactions based on MWFRS pressures.

2 COMPLETE TRUSSES REQUIRED

Nail Schedule:0.131"x3" nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 4.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails
in each row to avoid splitting.

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

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



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
26 '10

TC LL	20.0 PSF	REF R8228- 37572
TC DL	10.0 PSF	DATE 02/26/10
BC DL	10.0 PSF	DRW HCUSR8228 10057038
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 79235
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TZN8228Z02

(10-043--Fill in later MATTHEW SKOWRON -- , ** - AGE)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Stack Chord SC1 2x4 SP #2 Dense:

Truss spaced at 24.0" OC designed to support 1-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

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

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

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

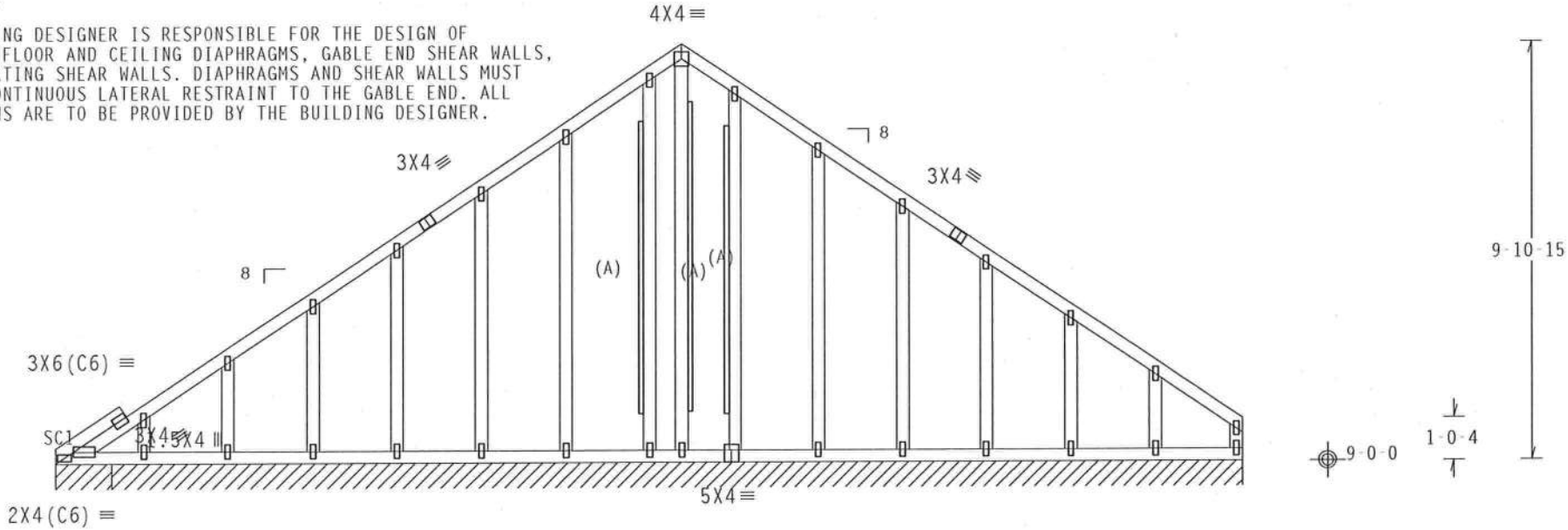
Wind reactions based on MWFRS pressures.

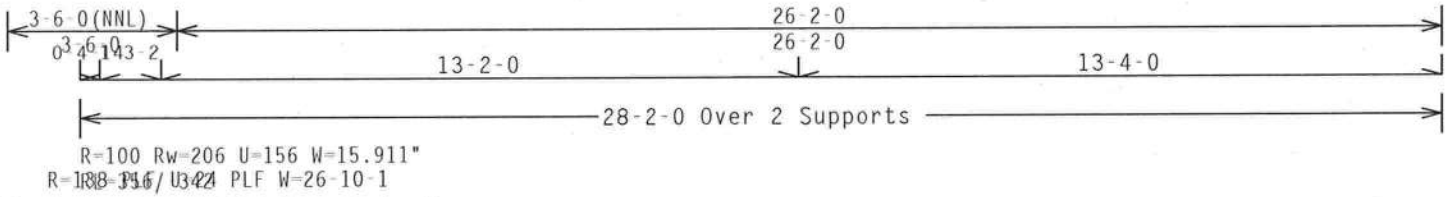
See DWGS A11015050109 & GBLLETIN0109 for more requirements.

(A) 1x4 #3SRB SPF-S or better "L" 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=100 Rw=206 U=156 W=15.911"
R=188 Rw=316 U=342 PLF W=26-10-1

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

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

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

26 '10

TC LL	20.0 PSF	REF R8228- 37573
TC DL	10.0 PSF	DATE 02/26/10
BC DL	10.0 PSF	DRW HCUSR8228 10057046
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 79210
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TZN8228Z02

GABLE STUD REINFORCEMENT DETAIL

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

MAX GABLE VERTICAL LENGTH

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

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE-PINE-FIR

#1 / #2	STANDARD
#3	STUD

HEM-FIR

#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH

#3
STUD
STANDARD

SOUTHERN PINE

#3
STUD
STANDARD

GROUP B:

HEM-FIR

#1 & BTR
#1

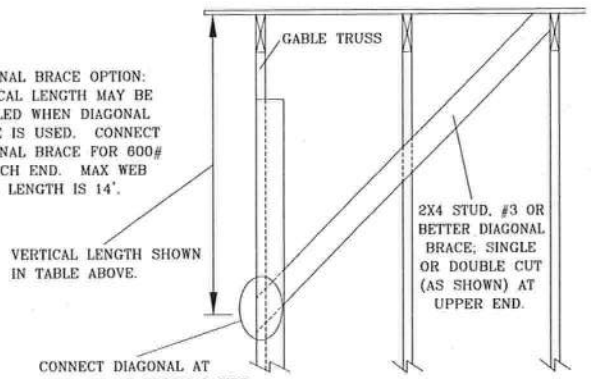
SOUTHERN PINE

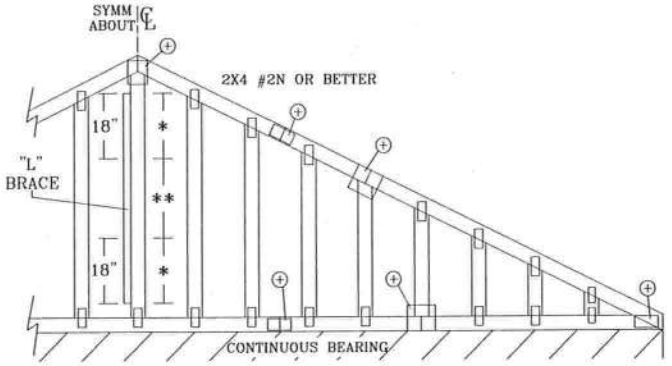
#1
#2

DOUGLAS FIR-LARCH

#1
#2

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





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

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. (0.128"x3" min)

* 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.

ITW 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 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) 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. ITWBCG connector plates are made of 20/18/16GA (W,H/S/K) 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 ANST/TPI 1 Sec. 2.
ITW-BCG: www.itwbcg.com; TPI: www.tpinst.com; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

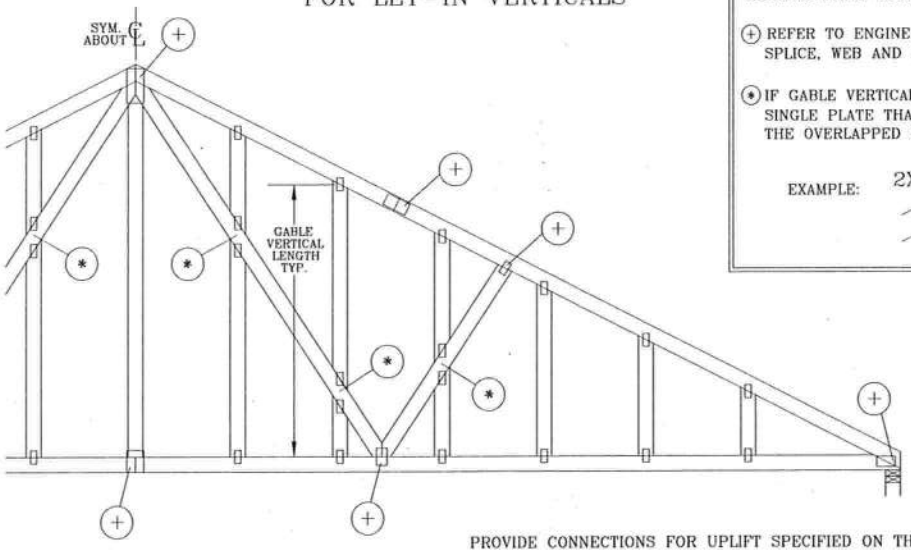
DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-05-GAB11015
DATE	1/1/09
DRWG	A11015050109

GABLE DETAIL
FOR LET-IN VERTICALS



GABLE TRUSS PLATE SIZES

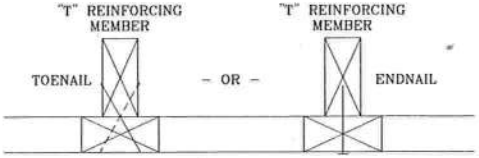
REFER TO APPROPRIATE ITW GABLE DETAIL FOR MINIMUM PLATE SIZES FOR VERTICAL STUDS.

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

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

EXAMPLE: 2X4 2X4 2X8

"T" REINFORCEMENT ATTACHMENT DETAIL



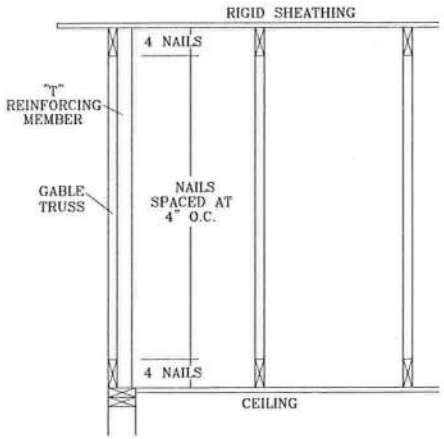
TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" INCREASE BY LENGTH (BASED ON APPROPRIATE ITW GABLE DETAIL).

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, Kzt = 1.00
GABLE VERTICAL = 24" O.C. SP #3
"T" REINFORCING MEMBER SIZE = 2X4
"T" BRACE INCREASE (FROM ABOVE) = 10% = 1.10
(1) 2X4 "L" BRACE LENGTH = 6' 7"
MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH
1.10 x 6' 7" = 7' 3"



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"x3",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, A14015020109,
A13030020109, A12030020109, A11030020109, A10030020109, A14030020109
ASCE 7-05 GABLE DETAIL DRAWINGS
A13015050109, A12015050109, A11015050109, A10015050109, A14015050109,
A13030050109, A12030050109, A11030050109, A10030050109, A14030050109

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

Building Components Group Inc.

Earth City, MO 63045

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IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION 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, shipping, installing & bracing of trusses. ITWBCG connector plates are made of 20/18/16GA (W,H/S/K) ASTM A653 grade 37/40 (K/W/H,S) galv. steel. Apply plates to each face of truss, positioned as shown above and on Joint Detail. 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 ANST/TPI 1 Sec. 2.
ITW-BCG: www.itwbcg.com; TPI: www.tpinst.com; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
FEB 26 '10

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

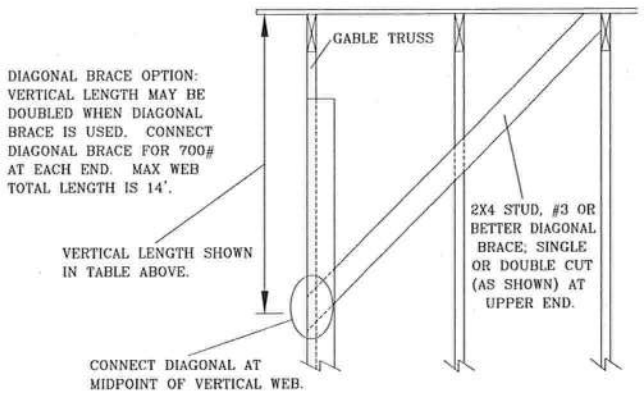
REF	LET-IN VERT
DATE	1/1/09
DRWG	GBLLETIN0109

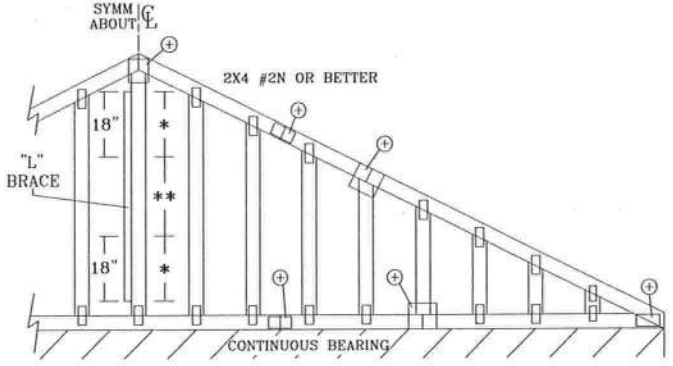
GABLE STUD REINFORCEMENT DETAIL

ASCE 7-05: 110 MPH WIND SPEED, 30' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C, Kzt = 1.00

MAX GABLE VERTICAL LENGTH

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





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

SOUTHERN PINE
#3
STUD
STANDARD

GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#1
#2

DOUGLAS FIR-LARCH
#1
#2

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 100 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. (0.128"x3" min)

* 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.

ITW Building Components Group Inc.

Earth City, MO 63045

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
06 26 '10

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-05-GAB11030
DATE	1/1/09
DRWG	A11030050109

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.

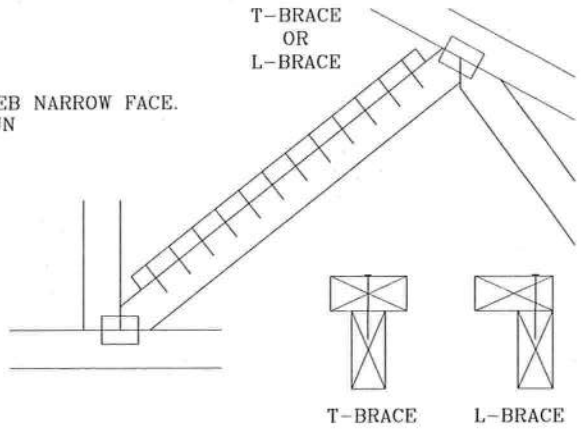
WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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

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

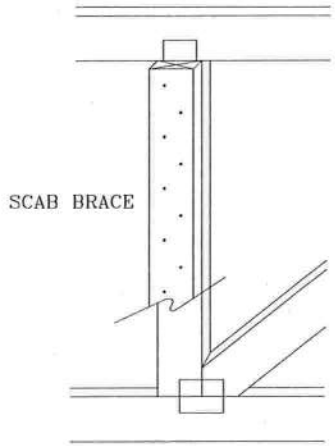
T-BRACING OR L-BRACING:

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



SCAB BRACING:

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



Building Components Group Inc.
Earth City, MO 63045

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
6 '10

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		

CERTIFICATE OF

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 11-5S-16-03570-102 **Building permit No.** 000028501

Use Classification SFD,UTILITY **Fire:** 25.68

Permit Holder CHRIS SHAHEEN **Waste:** 67.00

Owner of Building MATTHEW & JENNY SKOWRON **Total:** 92.68

Location: 5482 SW CR 240, LAKE CITY, FL 32024

Date: 06/14/2011

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)