DATE 05/06/2010

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000028545

APPLICANT ADREA PITTMAN PHONE 386.752.8653

ADDRESS POB 815 LAKE CITY FL 32056

OWNER BRIAN & KENDRA CREWS PHONE 386.365.4176

ADDRESS 7766 SW TUSTENUGGEE AVENUE LAKE CITY FL 32024

CONTRACTOR BRYAN ZECHER PHONE 386.752.8653

LOCATION OF PROPERTY 441-S TO 131,TR AND GO 2.5 MILES SOUTH OF C-240,PROPERTY ON THE R.(SEE ZECHER CONSTRUCTION SIGN)PAST BUCKLEY

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 133850.00

HEATED FLOOR AREA 1950.00 TOTAL AREA 2677.00 HEIGHT ___ STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6'12 FLOOR CONC

LAND USE & ZONING A-3 MAX. HEIGHT ___

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 30-5S-17-09452-002 SUBDIVISION ___

LOT ___ BLOCK ___ PHASE ___ UNIT ___ TOTAL ACRES 3.01

000001812	___	CBC054575	✓ Adrea Pitt	
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
18"32'MITERED	10-0230	BLK	JLW	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: SPECIAL FAMILY LOT PERMIT. FL-0904. 1 FOOT ABOVE ROAD.

Check # or Cash 2209

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 $ 670.00 CERTIFICATION FEE $ 13.38 SURCHARGE FEE $ 13.38

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

FLOOD DEVELOPMENT FEE $ ___ FLOOD ZONE FEE $ ___ CULVERT FEE $ 25.00 **TOTAL FEE** 771.76

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.

Notice of Treatment

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: 536 SE Bunya Dr.
City Lake City, Fl Phone 752-1703

Site Location: Subdivision
Lot # Block# Permit # 28545
Address

Product used	Active Ingredient	% Concentration
☑ Premise	Imidacloprid	0.1%
☐ Termidor	Fipronil	0.12%
☐ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☐ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
~~2699~~ Main Body	2677	~~236~~	200

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

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

5-1-10 Date | 11:49 Time | Fobe B.H. Print Technician's Name

Remarks:

Applicator - White Permit File - Canary Permit Holder - Pink

10/05 ©

CERTIFICATE OF

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 30-5S-17-09452-002 **Building permit No.** 000028545

Use Classification SFD/UTILITY **Fire:** 6.42

Permit Holder BRYAN ZECHER **Waste:** 16.75

Owner of Building BRIAN & KENDRA CREWS **Total:** 23.17

Location: 7766 SW TUSTENUGGEE AVENUE

Date: 09/23/2010

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

LM APPLICATION FEE

CK# 2209

Columbia County Building Permit Application

For Office Use Only Application # 1004-67 Date Received 4/30 By JW Permit # 1812-28545

Zoning Official BLK Date 05.05.10 Flood Zone X Land Use A-3 Zoning A-3

FEMA Map # N/A Elevation N/A MFE Stabilized River N/A Plans Examiner ND Date 5-5-10

Comments – SPECIAL FAMILY LOT PERMIT - FL0904

☐ NOC ☑ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel #

☐ Dev Permit # ☐ In Floodway ☐ Letter of Auth. from Contractor - SCANNED ON FILE ☐ F W Comp. letter

IMPACT FEES: EMS Fire Corr Road/Code

School = TOTAL ~~SURCHARGED~~ ☑ VF

Septic Permit No. 10-230 Fax 758-8920

Name Authorized Person Signing Permit Bryan Zecher / 2 keys Printing Phone 752-8653

Address PO Box 815, Lake City, FL 32056

Owners Name Brian and Kendra Crews Phone 386-365-4176

911 Address 7766 SW Tustenuggee Ave, Lake City, FL 32024

Contractors Name Bryan Zecher Phone 386-752-8653

Address PO Box 815, Lake City, FL 32056

Fee Simple Owner Name & Address

Bonding Co. Name & Address

Architect/Engineer Name & Address Mark Disosway, PE

Mortgage Lenders Name & Address Lonnie Haltiwanger, Peoples Bank

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

Property ID Number 30-5S-17-09452-002 Estimated Cost of Construction $175,000

Subdivision Name Lot Block Unit Phase

Driving Directions From Hwy 441, take CR131/Tustenuggee Ave. 2.5 miles south of CR240. Property is on the right – look for Bryan Zecher Construction sign. Number of Existing Dwellings on Property 0

Construction of -SFD Total Acreage 3.01 Lot Size 362'x362'

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

(Re-Site visit) Fee PWD. (Chelsie Wilcox)

Actual Distance of Structure from Property Lines - Front 40' Side 100' Side 197' Rear 272'

Number of Stories 1 Heated Floor Area 1950 Total Floor Area 2677 Roof Pitch 6'12

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. **CODE:** Florida Building Code 2007 with 2009 Supplements and the 2008 National Electrical Code.

- JW STAKE W/ MS. ADREA 5.4.10 -

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.

Kendra E. Creuls

(Owners Must Sign All Applications Before Permit Issuance.)

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.

Contractor's Signature (Permitee)

Contractor's License Number CBC054575
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 30 **day of** April **20** 10.

Personally known ✓ **or Produced Identification** _____

Adrea M. Pitman

State of Florida Notary Signature (For the Contractor)

SEAL:

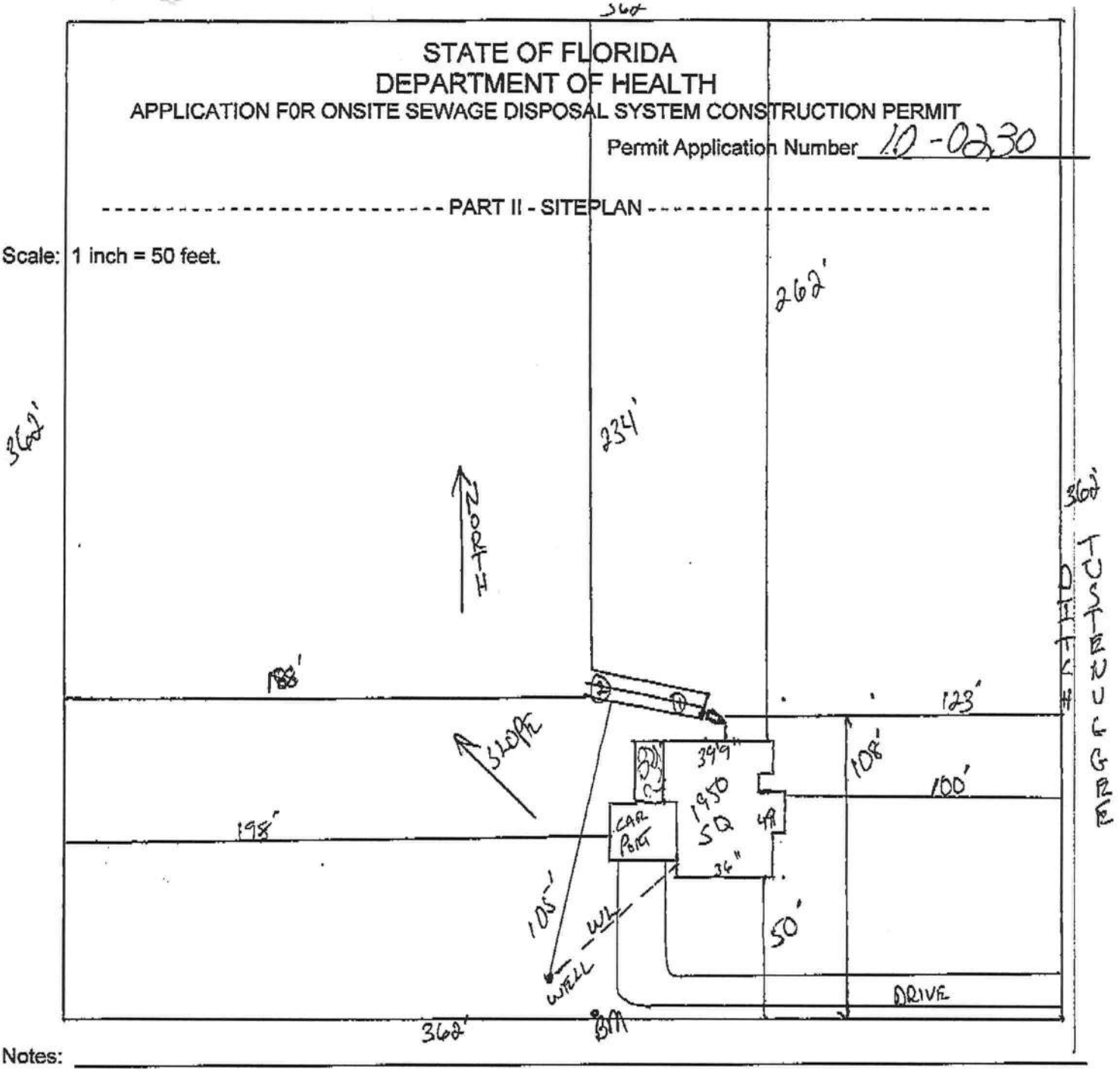
ADREA M. PITMAN
MY COMMISSION EXPIRES
JUN 28, 2013
#DD903082
Bonded through 1st State Insurance
NOTARY PUBLIC, STATE OF FLORIDA

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

Permit Application Number 10-0230

PART II - SITEPLAN

Scale: 1 inch = 50 feet.



Notes: _____

Site Plan submitted by: _____

MASTER CONTRACTOR

Plan Approved X Not Approved _____ Date 5/5/10

By Sallie Ford EH Director Columbia CHD County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

10 - 0030

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

PERMIT NO. 9639610
DATE PAID: 5/14/10
FEE PAID: 310.00
RECEIPT #: D052647

APPLICATION FOR:
[X] New System [ ] Existing System [ ] Holding Tank [ ] Innovative
[ ] Repair [ ] Abandonment [ ] Temporary [ ] _____

APPLICANT: Brian Crews

AGENT: ROCKY FORD, A & B CONSTRUCTION TELEPHONE: 386-497-2311

MAILING ADDRESS: P.O. BOX 39 FT. WHITE, FL, 32038

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3)(m) OR 489.552, FLORIDA STATUTES. IT IS THE APPLICANT'S RESPONSIBILITY TO PROVIDE DOCUMENTATION OF THE DATE THE LOT WAS CREATED OR PLATTED (MM/DD/YY) IF REQUESTING CONSIDERATION OF STATUTORY GRANDFATHER PROVISIONS.

PROPERTY INFORMATION

LOT: na BLOCK: na SUB: na PLATTED: _____

PROPERTY ID #: 30-5S-17-09452-002 ZONING: Ag. I/M OR EQUIVALENT: [Y / (N)]

PROPERTY SIZE: 3.01 ACRES WATER SUPPLY: [X] PRIVATE PUBLIC [ ]<=2000GPD [ ]>2000GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? [Y (N)] DISTANCE TO SEWER: ——— FT

PROPERTY ADDRESS: SW Tustenuggee Ave, Lake City, FL, 32024

DIRECTIONS TO PROPERTY: 441 South, TR on CR 131 (Tustenugee), 2.7 miles past CR 240 on right (driveway JUST PAST : Buckley Lane) ON RIGHT

BUILDING INFORMATION [X] RESIDENTIAL [ ] COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	SF Residential	3	1950	
2				
3				

[N] Floor/Equipment Drains [N] Other (Specify) _____

SIGNATURE: Rocky D Ford DATE: 4/29/2010

Inst:201012006457 Date:4/23/2010 Time:4:11 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 2 B:1193 P:489

THIS INSTRUMENT WAS PREPARED BY:
TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

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

File No. 10-29

CLERK CIRCUIT COURT
COLUMBIA COUNTY, FLORIDA

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing is a true copy of the original filed in this office.
P. DeWITT CASON, CLERK OF COURTS
By Donnie Lou
Deputy Clerk
Date: April 23, 2010

PERMIT NO._____ TAX FOLIO NOS.: R09452-002

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF COLUMBIA

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

1. Description of property:

TOWNSHIP 5 SOUTH - RANGE 17 EAST

SECTION 30: Commence at the NE corner of Section 30, Township 5 South, Range 17 East, Columbia County, Florida, and run thence S 89°42'09"W, along the North line of said Section 30, 33.95 feet to the West right-of-way line of County Road No. 131; thence S 00°04'17"E, along the West right-of-way line, 298.39 feet to the POINT OF BEGINNING; thence continue S 00°04'17"E, 362.00 feet to the South line of the North 1/2 of the NE 1/4 of the NE 1/4; thence S 89°25'39"W, along said South line, 362.00 feet; thence N 00°04'17"W, 362.00 feet; thence N 89°25'39"E, 362.00 feet to the POINT OF BEGINNING. COLUMBIA COUNTY, FLORIDA.

2. General description of improvement: Construction of dwelling

3. Owner information:

a. Name and address: BRIAN K. CREWS and his wife, KENDRA E. CREWS, 503 NE Williams Street, Lake City, Florida 32055.

b. Interest in property: Fee Simple

c. Name and address of fee simple title holder (if other than Owner):

4. a. Contractor: BRYAN ZECHER CONSTRUCTION, Post Office Box 815, Lake City, Florida 32056.

b. Contractor's Telephone Number: 386-752-8653

5. Surety

a. Name and address: None

b. Phone Number:

c. Amount of Bond:

6. a. Lender: PEOPLES STATE BANK, 350 SW Main Boulevard, Lake City, florida 32025.

b. Lender's Telephone Number: 386-754-0002

7. a. 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: None

b. Phone Number:

8. a. In addition to himself, Owner designates LONNIE HALTIWANGER of PEOPLES STATE BANK, 350 SW Main Boulevard, Lake City, Florida 32025, to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.

b. Phone Number: 386-487-1350

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.

Brian K. Crews

Kendra E. Crews

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 23rd day of April 2010, by BRIAN K. CREWS and KENDRA E. CREWS, husband and wife. They are personally known to me and did not take an oath.

Notary Public
My commission expires:_____

TERRY MCDAVID
MY COMMISSION # DD 934109
EXPIRES: January 16, 2014
Bonded Thru Notary Public Underwriters

VERIFICATION PURSUANT TO SECTION 92.525, FLORIDA STATUTES.

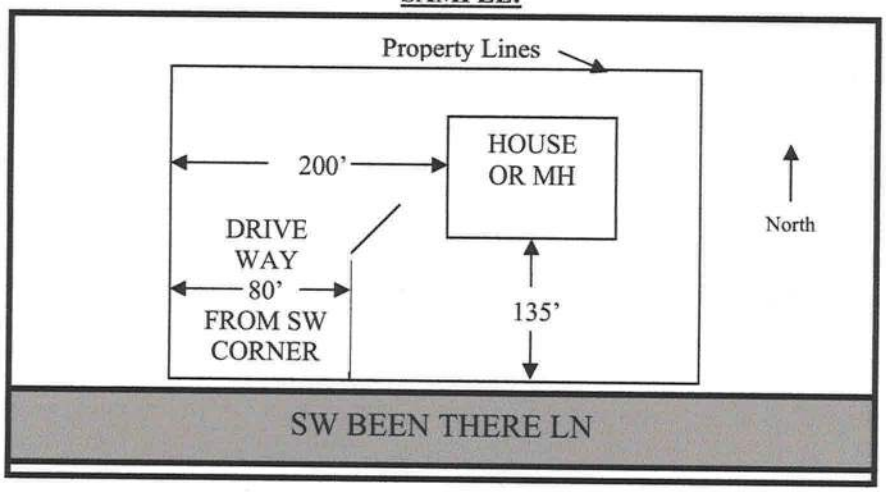
UNDER PENALTIES OF PERJURY, I DECLARE THAT I HAVE READ THE FOREGOING AND THAT THE FACTS STATED IN IT ARE TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Brian K. Crews

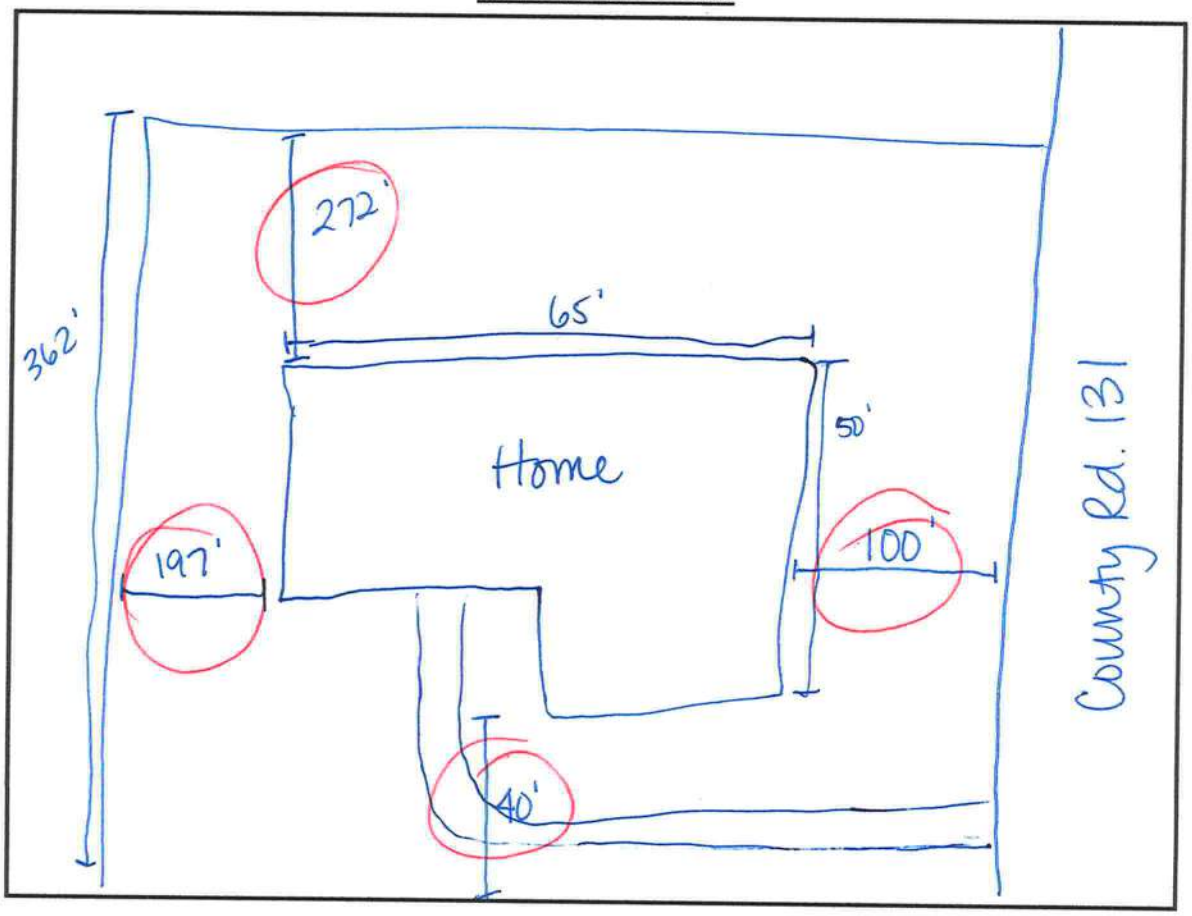
Kendra E. Crews

1. A PLAT, PLAN, OR DRAWING SHOWING THE PROPERTY LINES OF THE PARCEL.
2. LOCATION OF PLANNED RESIDENT OR BUSINESS STRUCTURE ON THE PROPERTY WITH DISTANCES FROM AT LEAST TWO OF THE PROPERTY LINES TO THE STRUCTURE (SEE SAMPLE BELOW).
3. LOCATION OF THE ACCESS POINT (DRIVEWAY, ETC.) ON THE ROADWAY FROM WHICH LOCATION IS TO BE ADDRESSED WITH A DISTANCE FROM A PARALLEL PROPERTY LINE AND OR PROPERTY CORNER (SEE SAMPLE BELOW).
4. TRAVEL OF THE DRIVEWAY FROM THE ACCESS POINT TO THE STRUCTURE (SEE SAMPLE BELOW).

SAMPLE:



SITE PLAN BOX:



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

April 28 , 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 Brain Crews on 131-S.

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.

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: 4/27/2010 **DATE ISSUED:** 4/30/2010

ENHANCED 9-1-1 ADDRESS:

√ 7766 SW TUSTENUGGEE AVE

LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

30-5S-17-09452-002

Remarks:

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.

1719

COMM AT NE COR OF SEC, RUN W 33.95 FT TO W R/W LINE CR-131, RUN S ALONG W R/W, 298.39 FT FOR POB, CONT S 362 FT TO S

CREWS KENDRA E & BRIAN K
P O BOX 2297
LAKE CITY, FL 32056-2297

30-5S-17-09452-002

Columbia County 2010 R
CARD 001 of 001

PRINTED 3/29/2010 10:13 BY JEFF
APPR

BUSE		AE?	HTD AREA	.000	INDEX	30517.00	DIST	3	PUSE	000000	VACANT
MOD	BATH		EFF AREA	24.794	E-RATE	.000	INDX	STR 30- 5S- 17			
EXW	FIXT		RCN				AYB	MKT AREA 02			0 BLDG
%	BDRM		%GOOD		BLDG VAL		EYB	(PUD1			0 XFOB
RSTR	RMS							AC	3.010		22,930 LAND
RCVR	UNTS		FIELD CK:					NTCD			0 AG
%	C-W%		LOC:					APPR CD			0 MKAG
INTW	HGHT							CNDO			22,930 JUST
%	PMTR							SUBD			0 CLAS
FLOR	STYS							BLK			
%	ECON							LOT			0 SOHD
HTTP	FUNC							MAP# 102			0 ASSD
A/C	SPCD										0 EXPT
QUAL	DEPR							TXDT 003			0 COTXBL
FNDN	UD-1										
SIZE	UD-2							BLDG TRAVERSE			
CEIL	UD-3										
ARCH	UD-4										
FRME	UD-5										
KTCH	UD-6										
WNDO	UD-7										
CLAS	UD-8										
OCC	UD-9										
COND	%							PERMITS			

SUB	A-AREA	%	E-AREA	SUB VALUE
TOTAL				

NUMBER	DESC	AMT	ISSUED

SALE

BOOK	PAGE	DATE	PRICE
1178	1124	8/03/2009 U V	100
GRANTOR FEAGLE FAMILY TRUSTS 1/2 UNDIV INT			
GRANTEE KENDRA E & BRIAN K CREWS			
914	581	11/03/2000 U V	100
GRANTOR DAVID W & ELLEN (AKA NORA) FEAGLE			
GRANTEE FAMILY TRUSTS 1/2 UNDIV INT EA			

EXTRA FEATURES

AE	BN	CODE	DESC	LEN	WID	HGHT	QTY	QL	YR	ADJ	UNITS	UT	PRICE	ADJ UT PR	SPCD	%	%GOOD	XFOB VALUE

AE	LAND CODE	DESC	ZONE TOPO	ROAD UTIL	UD1 UD2	UD3 UD4	FRONT	DEPTH	DT	FIELD CK: ADJUSTMENTS	UNITS	UT	PRICE	ADJ UT PR	LAND VALUE
Y	000000	VAC RES	A-1	0002						1.00 1.00 1.00 1.00	3.010	AC	7618.050	7618.05	22,930
				0002	0003										

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1004-67 CONTRACTOR Bryan Zecher PHONE 752-8653

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 76 ✓	Print Name Marc Matthews License #: ER-0014352	Signature [signature] Phone #: 344-2029
MECHANICAL/ A/C 487 ✓	Print Name [illegible]/Glenn License #: CAC 057486	Signature [signature] Jones, Inc. Phone #: 752-5389
PLUMBING/ GAS 736 ✓	Print Name Buck Boyette License #: CFCO 21540	Signature [signature] Phone #: (386) 752-0776
ROOFING 197 ✓	Print Name Mac Johnson License #: RC0061384	Signature (see attached) Phone #: 352-472-4943
SHEET METAL	Print Name N/A License #:	Signature Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name N/A License#:	Signature Phone #:
SOLAR	Print Name N/A License #:	Signature Phone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON		N/A	
✓ CONCRETE FINISHER 63		Darrell Spradley	[signature]
✓ FRAMING	CBC054575	Bryan Zecher	[signature]
✓ INSULATION	00240	Will Sykes	(see attached)
STUCCO		N/A	
✓ DRYWALL	000686	Joe Maddox	[signature]
PLASTER		N/A	
✓ CABINET INSTALLER	CBC054575	Bryan Zecher	[signature]
✓ PAINTING	000330	Bobby Touchton	[signature]
ACOUSTICAL CEILING		N/A	
GLASS		N/A	
✓ CERAMIC TILE	000188	Ron Humphrey	[signature]
✓ FLOOR COVERING	710	Mark Vann	[signature]
ALUM/VINYL SIDING		N/A	
GARAGE DOOR		N/A	
METAL BLDG ERECTOR		N/A	

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.

ATTN: Adrea

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1004-67 CONTRACTOR Bryan Zecher PHONE 752-8653

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	Print Name _____ Signature _____ License #: Phone #:	
MECHANICAL/ A/C _____	Print Name _____ Signature _____ License #: Phone #:	
PLUMBING/ GAS	Print Name _____ Signature _____ License #: Phone #:	
ROOFING 187 ✓	Print Name Mac Johnson Roofing Inc Signature Mac License #: RC 0061384 Phone #: 352-472-4943	
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-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

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 form: 6/09

386-758-8920

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 100467 CONTRACTOR Bryan Zecher PHONE 752-8653

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	Print Name License #:	Signature Phone #:
MECHANICAL/ A/C _____	Print Name License #:	Signature Phone #:
PLUMBING/ GAS	Print Name License #:	Signature Phone #:
ROOFING	Print Name License #:	Signature Phone #:
SHEET METAL	Print Name License #:	Signature Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name License#:	Signature Phone #:
SOLAR	Print Name License #:	Signature Phone #:

Specialty License	License Number	Sub Contractors Printed Name	Sub Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION 240 ✓	000240	Will Sikes	Will Sikes
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

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.

OFFICIAL USE

Current Land Use Classification A-3 Current Zoning District A-3

Date Filed: 8 Dec 09 Application No: FL0904

Fee Amount: $50.00 Receipt No.: 4026

Date Board of County Commissioner Meeting : 17 Dec 09

Board of County Commissioner's Decision:

Approved X

Approved with conditions _____

_____

_____

Denied _____

Reason for Denial_____

_____

_____

BK 0914 PG 0581

00-19624

FILED AND RECORDED IN PUBLIC RECORDS OF COLUMBIA COUNTY, FL

'00 NOV -9 PM 1:03

OFFICIAL RECORDS

PREPARED BY and RETURN TO:
William H. Cauthen, Esq.
CAUTHEN & FELDMAN, P.A.
215 North Joanna Avenue
Tavares, FL 32778-3200

Parcel ID Nos. 19-5S-17-09283-000, 19-5S-17-09281-000, 19-5S-1-09285-000, 30-5S-17-09452-000, and 30-5S-17-09452-001

WARRANTY DEED

THIS WARRANTY DEED is made the 3rd day of November, 2000.

BY: **DAVID W. FEAGLE and his wife, ELLEN S. FEAGLE a/k/a NORA S. FEAGLE,** whose address is Route 2, Box 300, Lake City, Florida 32024 ("Grantor"),

TO: **DAVID W. FEAGLE, TRUSTEE OF THE DAVID W. FEAGLE FAMILY TRUST, as to an undivided 50% interest, and ELLEN S. FEAGLE, TRUSTEE OF THE ELLEN S. FEAGLE FAMILY TRUST, as to an undivided 50% interest,** whose address is Route 2, Box 300, Lake City, Florida 32024, ("Grantee");

{Wherever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations.}

WITNESSETH: That Grantor, for and in consideration of the sum of Ten and No/100 Dollars ($10.00) and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto Grantee, all that certain land situate in Columbia County, Florida, viz:

Parcel 1:

TOWNSHIP 5 SOUTH, RANGE 17 EAST

Section 19: W ½ of NE ¼; NW ¼ of SE ¼; (S ½ of NE ¼ of SE ¼); SE ¼ of SE ¼; SW ¼ of SE ¼; and E ½ of SW ¼, EXCEPT that part of the above described portion of Section 19 which lies North of County graded road.

Section 30: N ½ of NE ¼ of NE ¼; N ½ of NW ¼ of NE ¼; N ½ of NE ¼ of NW ¼; and five (5) acres in the Northeast corner of NW ¼ of NW ¼.

Containing in the aggregate 275 acres, more or less.

Parcel 2:

TOWNSHIP 5 SOUTH, RANGE 17 EAST

Section 19: W ½ of SW ¼ and SW ¼ of NW ¼.

SUBJECT TO: ½ outstanding Mineral Interest as contained in Mineral Transfer Recorded June 5, 1948 in Deed Book 62, Page 121, public records of Columbia County, Florida.

Parcel 3:

Documentary Stamp 1.70
Intangible Tax
P. DeWitt Cason
Clerk of Court
By MK D.C.

TOWNSHIP 5 SOUTH, RANGE 17 EAST

Section 19: NW ¼ of NE ¼; SW ¼ of NE ¼; and that part of NW ¼ of SE ¼ lying North of the present right-of-way line of the county graded road.

SUBJECT TO a prior conveyance of one-half (1/2) of all the oil, gas, and other Minerals.

Less and Except the Following from the above Parcels:

The SE 1/4 of the NE 1/4 of the SE 1/4, Section 19, Township 5 South, Range 17 East, Columbia County, Florida, LESS AND EXCEPT that portion along the East side thereof lying in the right of way of County Road No. C-131 (Tustenuggee Road). Said lands being subject to an easement along a portion of the North side thereof for Washington Road, a county maintained graded road. Containing 9.76 acres, more or less.

Subject to easements, restrictions, reservations and mortgages of record, BK 00 PG 1560582 none to reimpose any void or lapsed restrictions or easements.

This document was prepared on information furnished by Grantor. No examination of title was OFFICIAL RECORDS examination has been made on the subject property.

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

This is a conveyance to a Trustee not pursuant to a sale. Legal description provided by Grantor. Full power and authority is granted to Grantee and the Successor Trustee(s), to protect, conserve, sell, lease, encumber or otherwise to manage and dispose of the land or any of it; no person dealing with the Trustee(s) or the Successor Trustee(s) shall be bound to see to the application of any purchase money mortgage or inquire into the validity, expediency or propriety of such sale or disposition.

TO HAVE AND TO HOLD, the same in fee simple forever.

AND Grantor hereby covenants with said Grantee that Grantor is lawfully seized of said land in fee simple; that Grantor has good right and lawful authority to sell and convey said land; that Grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2000.

IN WITNESS WHEREOF, Grantor has signed and sealed these presents the day and year first above written.

Signed in the Presence of

Janelle G Nixon
Print or Type Name Janelle G. Nixon

Diana Parker
Print or Type Name Diana Parker

David W Feagle
DAVID W. FEAGLE

Ellen S Feagle AKA Nora S Feagle
ELLEN S. FEAGLE a/k/a NORA S. FEAGLE

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 3rd day of November, 2000 by **DAVID W. FEAGLE and ELLEN S. FEAGLE a/k/a Nora S. Feagle**, who are personally known to me.

Janelle G Nixon
Print or Type Name Janelle G. Nixon
Notary Public
My Commission Expires:

Janelle G. Nixon
MY COMMISSION # CC956472 EXP
May 10, 2004
BONDED THRU TROY FAIN INSURANCE, INC.

R 1993 2 - 6/15/97

CLERK CIRCUIT COURT
COLUMBIA COUNTY, FLORIDA

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing is a true copy of the original filed in this office.
P. DeWitt CASON, CLERK OF COURTS
By A. Vocelle
Deputy Clerk
Date 12-3-09

Rec · 27.00
Doc · .70

THIS INSTRUMENT PREPARED BY:

MARLIN M. FEAGLE, ESQUIRE
FEAGLE & FEAGLE, ATTORNEYS, P.A.
153 NE Madison Street
Post Office Box 1653
Lake City, Florida 32056-1653
Florida Bar No. 0173248

The preparer of this instrument has performed no title examination nor has the preparer issued any title insurance or furnished any opinion regarding the title, existence of liens, the quantity of lands included, or the location of the boundaries. The names, addresses, tax identification numbers and legal description were furnished by the parties to this instrument.

Inst:200912013012 Date:8/4/2009 Time:4:09 PM
Doc Stamp-Deed 0.70
DC,P.DeWitt Cason,Columbia County Page 1 of 3 B:1178 P:1124

TRUSTEE'S DEED

THIS INDENTURE, made this 3rd day of August, 2009, between **DAVID W. FEAGLE**, as Trustee of the David W. Feagle Family Trust dated August 30, 2000, as amended, and **ELLEN S. FEAGLE**, as Trustee of the Ellen S. Feagle Family Trust dated August 30, 2000, as amended, whose mailing address is 350 SW Nautilus Road, Lake City, Florida 32024, with full power to manage, conserve, sell, and encumber the property described herein, ("Grantor"); to **KENDRA E. CREWS** and her husband, **BRIAN K. CREWS**, whose mailing address is Post Office Box 2297, Lake City, Florida 32056-2297, ("Grantee").

W I T N E S S E T H:

That said Grantor, for and in consideration of the sum of **TEN AND NO/100** ($10.00) **DOLLARS**, and other good and valuable considerations, the receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto Grantee, all the right, title, interest, claim and demand which the said first party has in and to the following described lot, piece or parcel of land, situate, lying and being in the County of Columbia, State of Florida, to-wit:

Commence at the NE corner of Section 30, Township 5 South, Range 17 East, Columbia County, Florida, and run thence S 89°42'09" W, along the North line of said Section 30, 33.95 feet to the West right-of-way line of County Road No. 131; thence S 00°04'17" E, along the West right-of-way line, 298.39 feet to the **POINT OF BEGINNING**; thence continue S 00°04'17" E, 362.00 feet to the South line of the North 1/2 of the NE 1/4 of the NE 1/4; thence S 89°25'39" W, along said South line, 362.00 feet; thence N 00°04'17" W, 362.00 feet; thence N 89°25'39" E, 362.00 feet to the **POINT OF BEGINNING**. Containing 3.01 acres, more or less.

SUBJECT TO reservations, restrictions and easements of record, if any.

Tax Parcel No.: 30-5S-17-09452-001 (parent parcel)

This deed is given and accepted in accordance with Section 689.071, Florida Statutes, and Grantor has full power and authority as Trustee to protect, conserve, sell, lease, encumber and otherwise manage and dispose of the property.

TOGETHER WITH all the tenements, hereditaments, and appurtenances thereto belonging or in anywise appertaining.

TO HAVE AND TO HOLD the same unto Grantee and to the proper use, benefit and behoove of Grantee and the successors and assigns of Grantee, in fee simple forever.

Grantor hereby covenants with Grantee that Grantor is fully seized of said land in fee simple; that Grantor has good right and lawful authority to sell and convey said land; that Grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2008.

IN WITNESS WHEREOF, Grantor has executed and delivered this instrument the day and year first above written.

Signed, sealed and delivered
in the presence of:

Witness

MARLIN FEAGLE
Print or type name

Witness

DIANE S. EDENFIELD
Print or type name

David W. Feagle (SEAL)
DAVID W. FEAGLE
as Trustee of the David W. Feagle
Family Trust dated August 30, 2000,
as amended

Signed, sealed and delivered
in the presence of:

Witness

MARLIN Feagle
Print or type name

Witness

DIANE S. EDENFIELD
Print or type name

Ellen S Feagle (SEAL)
ELLEN S. FEAGLE
as Trustee of the Ellen S. Feagle
Family Trust dated August 30, 2000,
as amended

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 3rd day of August, 2009, by **DAVID W. FEAGLE** and **ELLEN S. FEAGLE** who are personally known to me.

Diane S. Edenfield
Commission # DD514461
Expires May 26, 2010
Bonded Troy Fain Insurance Inc 800-385-7019

Diane S. Edenfield
Notary Public, State of Florida

(NOTARIAL SEAL)

My Commission Expires:

CLERK CIRCUIT COURT
COLUMBIA COUNTY, FLORIDA

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing is a true copy of the original filed in this office.
P. DeWitt CASON, CLERK OF COURTS
By _____ Deputy Clerk
Date 12-3-09

CERTIFICATE OF LIVE BIRTH

STATE BOARD OF HEALTH
BUREAU OF VITAL STATISTICS

FLORIDA

BIRTH NO. 109- 57-093261

REGISTRAR'S NO. 584

This becomes a legal record when properly executed and will be placed in permanent file.

Write plainly with permanent black ink or typewriter.

Attendant must file the certificate with the local registrar within 10 days after birth.

All items are to be complete & accurate.

1. PLACE OF BIRTH
a. COUNTY: Columbia
b. CITY, TOWN, OR LOCATION: Lake City
CODE NO.: 22-13
c. NAME OF HOSPITAL (If not in hospital, give street address): Lake Shore Hospital
d. IS PLACE OF BIRTH INSIDE CITY LIMITS? YES [X] NO [ ]

2. USUAL RESIDENCE OF MOTHER (Where does mother live?)
a. STATE: Florida
b. COUNTY: Columbia
c. CITY, TOWN, OR LOCATION: Lake City
d. STREET ADDRESS: Gen. Del.
e. IS RESIDENCE INSIDE CITY LIMITS? YES [X] NO [ ]
f. IS RESIDENCE ON A FARM? YES [ ] NO [X]

CHILD

3. NAME (Type or print): First: Kenneth; Middle: David; Last: Feagle
4. SEX: Male
5a. THIS BIRTH: SINGLE [X] TWIN [ ] TRIPLET [ ]
5b. IF TWIN OR TRIPLET, WAS CHILD BORN: 1ST [ ] 2D [ ] 3D [ ]
6. DATE OF BIRTH: Month: December; Day: 19; Year: 1957

FATHER

7. NAME: First: David; Middle: Winsor; Last: Feagle
8. COLOR OR RACE: White
9. AGE (At time of this birth): 21 YEARS
10. BIRTHPLACE (State or foreign country): Florida
11a. USUAL OCCUPATION: Laborer
11b. KIND OF BUSINESS OR INDUSTRY: Fla. Power & Light Co.

MOTHER

12. MAIDEN NAME: First: Ellen; Middle: Lenora; Last: Snellgrove
13. COLOR OR RACE: White
14. AGE (At time of this birth): 20 YEARS
15. BIRTHPLACE (State or foreign country): Florida
16. PREVIOUS DELIVERIES TO MOTHER (Do NOT include this birth)
a. How many OTHER children are now living? 0
b. How many OTHER children were born alive but are now dead? 0
c. How many fetal deaths (fetuses born dead at ANY time after conception)? 0

17. INFORMANT: Mrs. David Winsor Feagle

I hereby certify that this child was born alive on the date stated above.

18a. SIGNATURE: /S/ H.S. Howell, M.D.
18b. ATTENDANT AT BIRTH: M. D. [X] D. O. [ ] MIDWIFE [ ] OTHER (Specify)
18c. ADDRESS: Lake City, Florida
18d. DATE SIGNED: December 19, 1957

19. DATE RECD. BY LOCAL REG.: December 28, 1957
20. REGISTRAR'S SIGNATURE: /S/ Ursula D'Ferro
21. DATE ON WHICH GIVEN NAME ADDED
BY (Registrar)

FOR MEDICAL AND HEALTH USE ONLY (This section MUST be filled out)

22a. LENGTH OF PREGNANCY: 40 WEEKS
22b. WEIGHT AT BIRTH: 6 LBS. 9 OZS.
23. LEGITIMATE: YES [X] NO [ ]
24a. WAS PROPHYLACTIC DRUG USED IN BABY'S EYES? YES [X] NO [ ]
24b. TIME GIVEN AFTER BIRTH: 3 MINUTES
24c. STATE DRUG USED: Silver Nitrate
25a. DID MOTHER HAVE BLOOD TEST FOR SYPHILIS? YES [X] NO [ ]
25b. DATE OF TEST: Early in Pregnancy (If no blood test was made, state reason on back of certificate.)

V.S.#610

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001813

DATE 05/06/2010 PARCEL ID # 03-4S-16-02732-548

APPLICANT WENDY GRENNELL PHONE 386.288.2428

ADDRESS 3104 SW OLD WIRE ROAD FT.WHITE FL 32038

OWNER CHARLS BROWN & DEAN JARVENPAA PHONE 386.755.2132

ADDRESS 137 SW NATHAN COURT LAKE CITY FL 32024

CONTRACTOR TERRY THRIFT PHONE 386.623.0115

LOCATION OF PROPERTY 90-W TO C-252-B,TL TO WHITETAIL CIRCLE(DEER CREEK),TR AND FOLLOW AROUND TO NATHAN,TR @ END OF CUL-DE-SAC ON L.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT DEER CREEK 48 3

SIGNATURE √ Wendy Grennell

INSTALLATION REQUIREMENTS

☐ 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 STANDARD SIZE CULVERTS WERE APPROVED FOR DEER CREEK S.D. ON 3.14.2005 BY B.C.C. 18"X24'MITERED...(RTJ)

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

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001812

DATE 05/06/2010 PARCEL ID # 30-5S-17-09452-002

APPLICANT ADREA PITTMAN PHONE 386.752.8653

ADDRESS POB 815 LAKE CITY FL 32056

OWNER BRIAN & KENDRA CREWS PHONE 386.365.4176

ADDRESS 7766 SW TUSTENUGGEE AVENUE LAKE CITY FL 32024

CONTRACTOR BRYAN ZECHER PHONE 386.752.8653

LOCATION OF PROPERTY 441-S TO C-131S,TR T0 C-240 & IT'S 2.5 MILES S.OF 240. & PROPERTY IS ON THE RIGHT.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT

SIGNATURE Adrea Pittman

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

STATE OF FLORIDA

OFFICE of VITAL STATISTICS

CERTIFIED COPY

CERTIFICATION OF BIRTH

STATE FILE NUMBER: **109-1979-011465**

CHILD'S NAME: **KENDRA ELLEN FEAGLE**

DATE OF BIRTH: **FEBRUARY 17, 1979**

SEX: **FEMALE**

COUNTY OF BIRTH: **COLUMBIA**

DATE FILED: **FEBRUARY 20, 1979**

MOTHER'S MAIDEN NAME: **MINNIE ELIZABETH FOWLER**

FATHER'S NAME: **KENNETH DAVID FEAGLE**

DATE ISSUED: **DECEMBER 7, 2009**

C. Meade Strickland, **State Registrar**

REQ: **2009978451**

THE ABOVE SIGNATURE CERTIFIES THAT THIS IS A TRUE AND CORRECT COPY OF THE OFFICIAL RECORD ON FILE IN THIS OFFICE.

WARNING: THIS DOCUMENT IS PRINTED OR PHOTOCOPIED ON SECURITY PAPER WITH A WATERMARK OF THE GREAT SEAL OF THE STATE OF FLORIDA ON THE FRONT, AND THE BACK CONTAINS SPECIAL LINES WITH TEXT AND SEALS IN THERMOCHROMIC INK.

FLORIDA DEPARTMENT OF HEALTH

DH FORM 1946 (08-04)

41690415

CERTIFICATION OF VITAL RECORD

VOID IF ALTERED OR ERASED

VOID IF ALTERED OR ERASED

Department of Health • Vital Statistics

STATE OF FLORIDA
MARRIAGE RECORD

TYPE IN UPPER CASE
USE BLACK INK

This license not valid unless seal of Clerk, Circuit or County Court, appears thereon.

(STATE FILE NUMBER)

Inst:200102115 2 Date:11/07/2001 Time:09:23:52
DC,P.DeWitt Cason,Columbia County B:939 P:628

010000526
APPLICATION NUMBER

APPLICATION TO MARRY

1. GROOM'S NAME (First, Middle, Last)			2. DATE OF BIRTH (Month, Day, Year)
BRIAN KEITH CREWS			Mar. 09, 1978
3a. RESIDENCE - CITY, TOWN, OR LOCATION	**3b. COUNTY**	**3c. STATE**	**4. BIRTHPLACE (State or Foreign Country)**
LAKE CITY	COLUMBIA	FLORIDA	FLORIDA
5a. BRIDE'S NAME (First, Middle, Last)	**5b. MAIDEN SURNAME (If different)**		**6. DATE OF BIRTH (Month, Day, Year)**
KENDRA ELLEN FEAGLE			Feb. 17, 1979
7a. RESIDENCE - CITY, TOWN, OR LOCATION	**7b. COUNTY**	**7c. STATE**	**8. BIRTHPLACE (State or Foreign Country)**
LAKE CITY	COLUMBIA	FLORIDA	FLORIDA

WE THE APPLICANTS NAMED IN THIS CERTIFICATE, EACH FOR HIMSELF OR HERSELF, STATE THAT THE INFORMATION PROVIDED ON THIS RECORD IS CORRECT TO THE BEST OF OUR KNOWLEDGE AND BELIEF, THAT NO LEGAL OBJECTION TO THE MARRIAGE NOR THE ISSUANCE OF A LICENSE TO AUTHORIZE THE SAME IS KNOWN TO US AND HEREBY APPLY FOR LICENSE TO MARRY.

9. SIGNATURE OF GROOM (Sign full name using black ink)	10. SUBSCRIBED AND SWORN TO BEFORE ME ON (DATE)
Brian Keith Crews	Oct. 25, 2001
11. TITLE OF OFFICIAL	**12. SIGNATURE OF OFFICIAL (Use black ink)**
P. Dewitt Cason, Clerk of Cir Crt	P. DeWitt Cason DC
13. SIGNATURE OF BRIDE (Sign full name using black ink)	**14. SUBSCRIBED AND SWORN TO BEFORE ME ON (DATE)**
Kendra E. Feagle	Oct 25, 2001
15. TITLE OF OFFICIAL	**16. SIGNATURE OF OFFICIAL (Use black ink)**
P. Dewitt Cason, Clerk of Cir Crt	P. DeWitt Cason DC

CLERK CIRCUIT COURT SEAL COLUMBIA COUNTY, FLORIDA

LICENSE TO MARRY

AUTHORIZATION AND LICENSE IS HEREBY GIVEN TO ANY PERSON DULY AUTHORIZED BY THE LAWS OF THE STATE OF FLORIDA TO PERFORM A MARRIAGE CEREMONY WITHIN THE STATE OF FLORIDA AND TO SOLEMNIZE THE MARRIAGE OF THE ABOVE NAMED PERSONS. THIS LICENSE MUST BE USED ON OR AFTER THE **EFFECTIVE DATE** AND ON OR BEFORE THE EXPIRATION DATE IN THE STATE OF FLORIDA IN ORDER TO BE RECORDED AND VALID.

17. COUNTY ISSUING LICENSE	18. DATE LICENSE ISSUED	18a. DATE LICENSE EFFECTIVE	19. EXPIRATION DATE
COLUMBIA	10-25-01	10-25-01	12-24-01

20a. SIGNATURE OF COURT CLERK OR JUDGE	20b. TITLE	20c. BY D.C.
P. DEWITT CASON	CLERK OF CIRCUIT CRT	JRM

CLERK CIRCUIT COURT SEAL COLUMBIA COUNTY, FLORIDA

CERTIFICATE OF MARRIAGE

I HEREBY CERTIFY THAT THE ABOVE NAMED GROOM AND BRIDE WERE JOINED BY ME IN MARRIAGE IN ACCORDANCE WITH THE LAWS OF THE STATE OF FLORIDA.

21. DATE OF MARRIAGE (Month Day Year)	22. CITY, TOWN, OR LOCATION OF MARRIAGE
11/4/01	Lake City Florida

SEAL

23a. SIGNATURE OF PERSON PERFORMING CEREMONY (Use black ink)	23c. ADDRESS (Of person performing ceremony)
Lonnie Johns	864 San Juan Ave Lake City
23b. NAME AND TITLE OF PERSON PERFORMING CEREMONY (Or notary stamp)	**24. SIGNATURE OF WITNESS TO CEREMONY (Use black ink)**
Rev. Lonnie Johns	Harold A. Crews
	25. SIGNATURE OF WITNESS TO CEREMONY (Use black ink)
	Teresa M. Lee

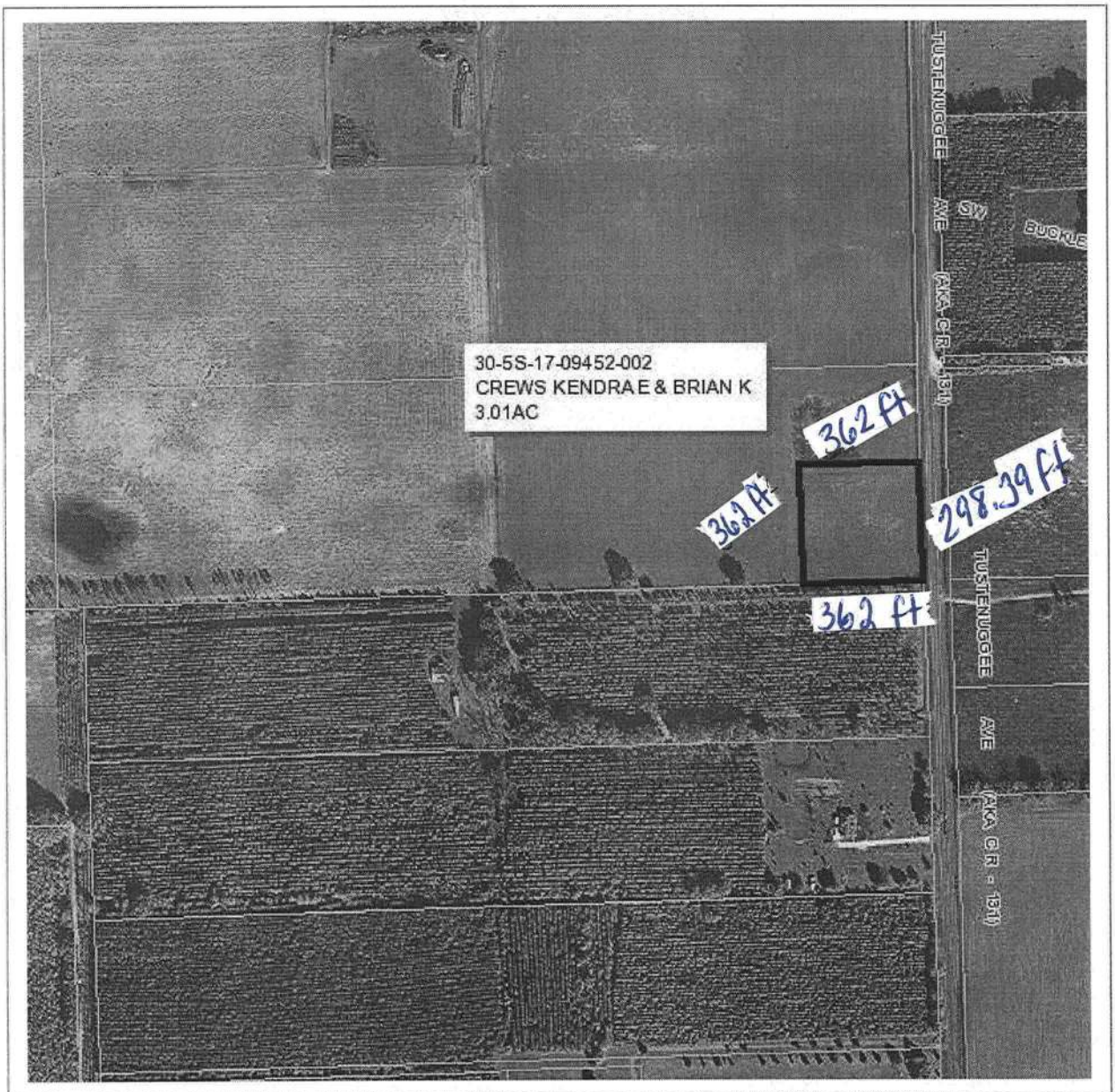
INFORMATION BELOW FOR USE BY VITAL STATISTICS ONLY - NOT TO BE RECORDED

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

By _____ Deputy Clerk

Date 12-3-09

CIRCUIT COURT SEAL COLUMBIA COUNTY, FLORIDA

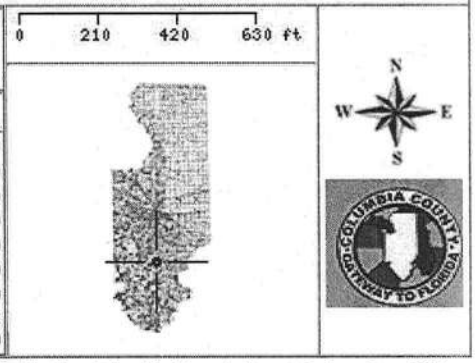


Columbia County Property Appraiser

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

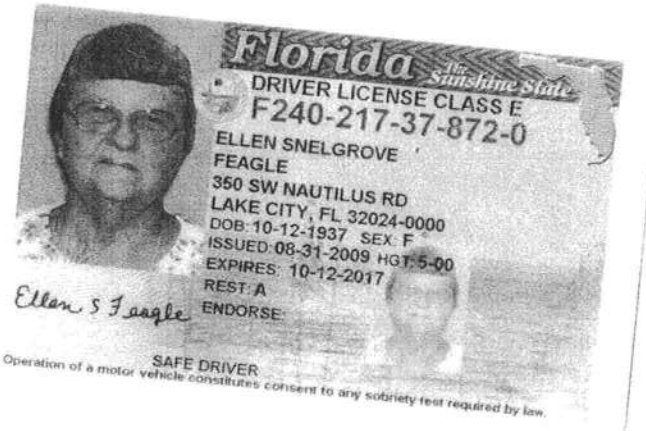
PARCEL: 30-5S-17-09452-002 - VACANT (000000)

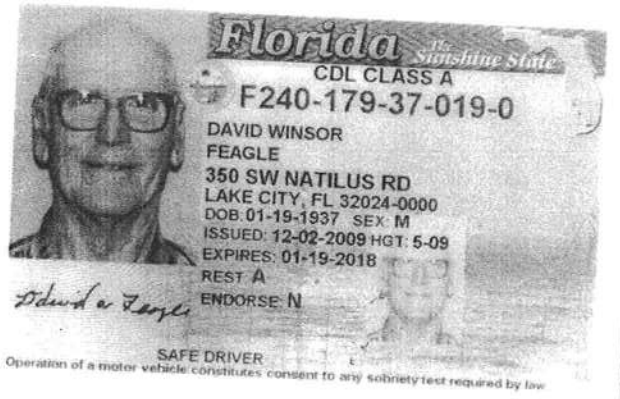
Name:	CREWS KENDRA E & BRIAN K	LandVal	$25,478.00
Site:		BldgVal	$0.00
Mail:	P O BOX 2297 LAKE CITY, FL 320562297	ApprVal	$25,478.00
		JustVal	$25,478.00
Sales Info		Assd	$25,478.00
		Exmpt	$0.00
		Taxable	County: $25,478.00 | City: $25,478.00 Other: $25,478.00 | School: $25,478.00



This information, GIS Map Updated: 11/13/2009, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.


Florida
The Sunshine State
DRIVER LICENSE CLASS E
C620-505-79-557-0
KENDRA ELLEN CREWS
431 SE ANASTASIA ST
LAKE CITY, FL 32025-1734
DOB: 02-17-1979 SEX: F HGT: 5-02
ISSUED: 02-04-2008
EXPIRES: 02-17-2014
END:
ENDORS:
X060802041313 SAFE DRIVER
Operation of a motor vehicle constitutes consent to any sobriety test required by law.


Florida
The Sunshine State
DRIVER LICENSE CLASS E
F240-217-37-872-0
ELLEN SNELGROVE
FEAGLE
350 SW NAUTILUS RD
LAKE CITY, FL 32024-0000
DOB: 10-12-1937 SEX: F
ISSUED: 08-31-2009 HGT: 5-00
EXPIRES: 10-12-2017
REST: A
ENDORSE:
SAFE DRIVER
Operation of a motor vehicle constitutes consent to any sobriety test required by law.


Florida
The Sunshine State
CDL CLASS A
F240-179-37-019-0
DAVID WINSOR
FEAGLE
350 SW NATILUS RD
LAKE CITY, FL 32024-0000
DOB: 01-19-1937 SEX: M
ISSUED: 12-02-2009 HGT: 5-09
EXPIRES: 01-19-2018
REST: A
ENDORSE: N
SAFE DRIVER
Operation of a motor vehicle constitutes consent to any sobriety test required by law.

AFFIDAVIT FOR SPECIAL FAMILY LOT PERMIT

STATE OF FLORIDA
COUNTY OF COLUMBIA

Inst:200912021663 Date:12/30/2009 Time:3:26 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 2 B:1186 P:1916

BEFORE ME the undersigned Notary Public personally appeared, David W. Feagle and Ellen S. Feagle, the Owner of the parent parcel which has been subdivided for and Kendra E. Crews, the Immediate Family Member of the Owner, which is intended for the Immediate Family Members primary residence use. The Immediate Family Member is related to the Owner as Grandchild. Both individuals being first duly sworn according to law, depose and say:

1. Affiant acknowledges Immediate Family Member is defined as parent, grandparent, step-parent, adopted parent, sibling, child, step-child, adopted child or grandchild.

2. Both the Owner and the Immediate Family Member have personal knowledge of all matters set forth in this Affidavit.

3. The Owner holds fee simple title to certain real property situated in Columbia County, and more particularly described by reference with the Columbia County Property Appraiser Parent Tract Tax Parcel No. 30-5S-17-09452-000.

4. The Owner has divided the parent parcel for use of an Immediate Family Member, for their primary residence and the parcel divided and the remaining parent parcel are at least one (1) acre in size.

5. The Immediate Family Member holds fee simple title to certain real property divided from the Owners' parent parcel situated in Columbia County and more particularly described by reference to the Columbia County Property Appraiser Tax Parcel No. 30-5S-17-09452-002, and shall obtain homestead exemption on said parcel once dwelling is placed on parcel.

6. No person or entity other than the Owner and Immediate Family Member to whom permit is being issued, including persons residing with the family member claims or is presently entitled to the right of possession or is in possession of the property, and there are no tenancies, leases or other occupancies that affect the property.

7. The issuance of the Special Family Lot Permit shall comply with the Columbia County Land Development Regulations, as amended. The site location of the dwelling on the property shall be in compliance with all other conditions not conflicting with this section for permitting as set forth in the Columbia County Land Development Regulations.

8. This Affidavit is made for the specific purpose of inducing Columbia County to recognize a family division for an Immediate Family Member on the parcel divided in accordance with Section 14.9 of the Columbia County Land Development Regulations. This Special Family Lot Permit is valid for 1 year from date of approval by the Board of County Commissioners. The Immediate Family Member further understands that the transfer of ownership shall meet the requirements of Section 14.9(#8) of this Section.

9. This Affidavit and Agreement is made and given by Affiants with full knowledge that the facts contained herein are accurate and complete, and with full knowledge that the penalties under Florida law for perjury include conviction of a felony of the third degree.

We Hereby Certify that the facts represented by us in this Affidavit are true and correct and we accept the terms of the Agreement and agree to comply with it.

David W Feagle Ellen S Feagle Kendra E. Crews

Owner Immediate Family Member

David W. Feagle Ellen S. Feagle Kendra E Crews

Typed or Printed Name Typed or Printed Name

Subscribed and sworn to (or affirmed) before me this 8 day of December, 2009, by Kendra E. Crews (Owner) who is personally known to me or has produced Personally Known as identification.

Linda H. Odom

Notary Public

LINDA H. ODOM
Notary Public - State of Florida
My Commission Expires Jan 7, 2011
Commission # DD 627164
Bonded Through National Notary Assn.

Subscribed and sworn to (or affirmed) before me this 8 day of December, 2009, by David W. Feagle-Ellen Feagle (Family Member) who is personally known to me or has produced Personally Known as identification.

Linda H. Odom

Notary Public

LINDA H. ODOM
Notary Public - State of Florida
My Commission Expires Jan 7, 2011
Commission # DD 627164
Bonded Through National Notary Assn.

APPROVED: COLUMBIA COUNTY, FLORIDA

By: B L K

Name: Brian L. Kepner

Title: Land Development Regulation Administrator

Rec · 27.00
Doc · .70

THIS INSTRUMENT PREPARED BY:

MARLIN M. FEAGLE, ESQUIRE
FEAGLE & FEAGLE, ATTORNEYS, P.A.
153 NE Madison Street
Post Office Box 1653
Lake City, Florida 32056-1653
Florida Bar No. 0173248

The preparer of this instrument has performed no title examination nor has the preparer issued any title insurance or furnished any opinion regarding the title, existence of liens, the quantity of lands included, or the location of the boundaries. The names, addresses, tax identification numbers and legal description were furnished by the parties to this instrument.

Inst:200912013012 Date:8/4/2009 Time:4:09 PM
Doc Stamp-Deed:0.70
DC,P.DeWitt Cason,Columbia County Page 1 of 3 B:1178 P:1124

TRUSTEE'S DEED

THIS INDENTURE, made this 3rd day of August, 2009, between **DAVID W. FEAGLE**, as Trustee of the David W. Feagle Family Trust dated August 30, 2000, as amended, and **ELLEN S. FEAGLE**, as Trustee of the Ellen S. Feagle Family Trust dated August 30, 2000, as amended, whose mailing address is 350 SW Nautilus Road, Lake City, Florida 32024, with full power to manage, conserve, sell, and encumber the property described herein, ("Grantor"); to **KENDRA E. CREWS** and her husband, **BRIAN K. CREWS**, whose mailing address is Post Office Box 2297, Lake City, Florida 32056-2297, ("Grantee").

W I T N E S S E T H:

That said Grantor, for and in consideration of the sum of **TEN AND NO/100** ($10.00) **DOLLARS**, and other good and valuable considerations, the receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto Grantee, all the right, title, interest, claim and demand which the said first party has in and to the following described lot, piece or parcel of land, situate, lying and being in the County of Columbia, State of Florida, to-wit:

Commence at the NE corner of Section 30, Township 5 South, Range 17 East, Columbia County, Florida, and run thence S 89°42'09" W, along the North line of said Section 30, 33.95 feet to the West right-of-way line of County Road No. 131; thence S 00°04'17" E, along the West right-of-way line, 298.39 feet to the **POINT OF BEGINNING**; thence continue S 00°04'17" E, 362.00 feet to the South line of the North 1/2 of the NE 1/4 of the NE 1/4; thence S 89°25'39" W, along said South line, 362.00 feet; thence N 00°04'17" W, 362.00 feet; thence N 89°25'39" E, 362.00 feet to the **POINT OF BEGINNING**. Containing 3.01 acres, more or less.

SUBJECT TO reservations, restrictions and easements of record, if any.

Tax Parcel No.: 30-5S-17-09452-001 (parent parcel)

This deed is given and accepted in accordance with Section 689.071, Florida Statutes, and Grantor has full power and authority as Trustee to protect, conserve, sell, lease, encumber and otherwise manage and dispose of the property.

TOGETHER WITH all the tenements, hereditaments, and appurtenances thereto belonging or in anywise appertaining.

TO HAVE AND TO HOLD the same unto Grantee and to the proper use, benefit and behoove of Grantee and the successors and assigns of Grantee, in fee simple forever.

Grantor hereby covenants with Grantee that Grantor is fully seized of said land in fee simple; that Grantor has good right and lawful authority to sell and convey said land; that Grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2008.

IN WITNESS WHEREOF, Grantor has executed and delivered this instrument the day and year first above written.

Signed, sealed and delivered
in the presence of:

Witness

MARLIN FEAGLE
Print or type name

Witness

DIANE S. EDENFIELD
Print or type name

David W Feagle (SEAL)
DAVID W. FEAGLE
as Trustee of the David W. Feagle
Family Trust dated August 30, 2000,
as amended

Signed, sealed and delivered
in the presence of:

Witness

MARLIN Feagle
Print or type name

Witness

DIANE S. EDENFIELD
Print or type name

Ellen S Feagle (SEAL)
ELLEN S. FEAGLE
as Trustee of the Ellen S. Feagle
Family Trust dated August 30, 2000,
as amended

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 3rd day of August, 2009, by **DAVID W. FEAGLE** and **ELLEN S. FEAGLE** who are personally known to me.

Diane S. Edenfield
Commission # DD514461
Expires May 26, 2010
Bonded Troy Fain Insurance Inc 800-385-7019

(NOTARIAL SEAL)

Diane S. Edenfield
Notary Public, State of Florida

My Commission Expires:

AFFIDAVIT FOR SPECIAL FAMILY LOT PERMIT

STATE OF FLORIDA
COUNTY OF COLUMBIA

Inst:200912021663 Date:12/30/2009 Time:3:26 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 2 B:1186 P:1916

BEFORE ME the undersigned Notary Public personally appeared, David W. Feagle and Ellen S. Feagle, the Owner of the parent parcel which has been subdivided for and Kendra E. Crews, the Immediate Family Member of the Owner, which is intended for the Immediate Family Members primary residence use. The Immediate Family Member is related to the Owner as Grandchild. Both individuals being first duly sworn according to law, depose and say:

1. Affiant acknowledges Immediate Family Member is defined as parent, grandparent, step-parent, adopted parent, sibling, child, step-child, adopted child or grandchild.

2. Both the Owner and the Immediate Family Member have personal knowledge of all matters set forth in this Affidavit.

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David W Feagle Ellen S Feagle Kendra E. Crews

Owner Immediate Family Member

David W. Feagle Ellen S. Feagle Kendra E Crews

Typed or Printed Name Typed or Printed Name

Subscribed and sworn to (or affirmed) before me this 8 day of December, 2009, by Kendra E. Crews (Owner) who is personally known to me or has produced Personally Known as identification.

Linda H. Odom

Notary Public

LINDA H. ODOM
Notary Public - State of Florida
My Commission Expires Jan 7, 2011
Commission # DD 627164
Bonded Through National Notary Assn.

Subscribed and sworn to (or affirmed) before me this 8, 2009, by David W. Feagle-Ellen Feagle (Family Member) who is personally known to me or has produced Personally Known as identification.

Linda H. Odom

Notary Public

LINDA H. ODOM
Notary Public - State of Florida
My Commission Expires Jan 7, 2011
Commission # DD 627164
Bonded Through National Notary Assn.

APPROVED: COLUMBIA COUNTY, FLORIDA

By: B L K

Name: Brian L. Kepner

Title: Land Development Regulation Administrator

FORM 1100A-08

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

Project Name:	1004060ZecherBryanCrewsRes	Builder Name:	Bryan Zecher
Street:		Permit Office:	
City, State, Zip:	, FL ,	Permit Number:	
Owner:	Crews	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?		Yes		
6. Conditioned floor area (ft²)		1950		
7. Windows	Description		Area	
a. U-Factor: SHGC:	Dbl, U=0.35 SHGC=0.35		290.67	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	1950.00	ft²
b. N/A		R=		ft²
c. N/A		R=		ft²

9. Wall Types	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	1764.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
d. N/A	R=	ft²
10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=30.0	1950.00 ft²
b. Knee Wall (Vented)	R=30.0	116.00 ft²
c. N/A	R=	ft²

11. Ducts
a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6, 390 ft²

12. Cooling systems
a. Central Unit — Cap: 39.0 kBtu/hr SEER: 13

13. Heating systems
a. Electric Heat Pump — Cap: 39.0 kBtu/hr HSPF: 7.7

14. Hot water systems
a. Electric — Cap: 40 gallons EF: 0.92

b. Conservation features
None

15. Credits — None

Glass/Floor Area: 0.149

Total As-Built Modified Loads: 34.47
Total Baseline Loads: 41.40

PASS

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

PREPARED BY:
DATE: 4/27/10 EVAN BEAMSLEY

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

OWNER/AGENT:
DATE: 4/30/10

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:	1004060ZecherBryanCrewsR	Bedrooms:	3	Adress Type:	Street Address
Building Type:	FLAsBuilt	Conditioned Area:	1950	Lot #	
Owner:	Crews	Total Stories:	1	SubDivision:	
# of Units:	1	Worst Case:	Yes	PlatBook:	
Builder Name:	Bryan Zecher	Rotate Angle:	135	Street:	
Permit Office:		Cross Ventilation:		County:	Columbia
Jurisdiction:		Whole House Fan:		City, State, Zip:	, FL ,
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	196 ft	0	1950 ft²	0.3	0.3	0.4

ROOF

√	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
_____	1	Hip	Composition shingles	2181 ft²	0 ft²	Dark	0.96	No	0	26.6 deg

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	1950 ft²	N	N

CEILING

√	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	30	1950 ft²	0.11	Wood
_____	2	Knee Wall (Vented)	30	116 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	446.25 ft²		0.23	0.75
_____	2	E	Exterior	Frame - Wood	13	435.75 ft²		0.23	0.75
_____	3	S	Exterior	Frame - Wood	13	446.25 ft²		0.23	0.75
_____	4	W	Exterior	Frame - Wood	13	435.75 ft²		0.23	0.75

DOORS

√	#	Ornt	Door Type	Storms	U-Value	Area
_____	1	N	Insulated	None	0.4	20 ft²
_____	2	N	Insulated	None	0.4	20 ft²
_____	3	S	Insulated	None	0.4	20 ft²

WINDOWS

Orientation shown is the entered orientation (=>) changed to Worst Case.

√	#	Ornt	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
_____	1	N=>SE	Metal	Low-E Double	Yes	0.35	0.35	N	16 ft²	1 ft 6 in	1 ft 0 in	HERS 2006	None
_____	2	N=>SE	Metal	Low-E Double	Yes	0.35	0.35	N	36 ft²	11 ft 6 in	1 ft 0 in	HERS 2006	None
_____	3	N=>SE	Metal	Low-E Double	Yes	0.35	0.35	N	20 ft²	11 ft 6 in	2 ft 0 in	HERS 2006	None
_____	4	E=>SW	Metal	Low-E Double	Yes	0.35	0.35	N	72 ft²	1 ft 6 in	1 ft 0 in	HERS 2006	None
_____	5	S=>NW	Metal	Low-E Double	Yes	0.35	0.35	N	36 ft²	1 ft 6 in	1 ft 0 in	HERS 2006	None
_____	6	S=>NW	Metal	Low-E Double	Yes	0.35	0.35	N	36 ft²	0 ft 0 in	0 ft 0 in	HERS 2006	None
_____	7	S=>NW	Metal	Low-E Double	Yes	0.35	0.35	N	6.666666	4 ft 8 in	2 ft 0 in	HERS 2006	None
_____	8	S=>NW	Metal	Low-E Double	Yes	0.35	0.35	N	36 ft²	1 ft 6 in	1 ft 0 in	HERS 2006	None
_____	9	W=>NE	Metal	Low-E Double	Yes	0.35	0.35	N	12 ft²	1 ft 6 in	1 ft 0 in	HERS 2006	None
_____	10	W=>NE	Metal	Low-E Double	Yes	0.35	0.35	N	4 ft²	1 ft 6 in	1 ft 0 in	HERS 2006	None
_____	11	W=>NE	Metal	Low-E Double	Yes	0.35	0.35	N	16 ft²	1 ft 6 in	1 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	1841	6.30	101.1	190.1	0 cfm	0 cfm	0	0

COOLING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ducts
_____	1	Central Unit	None	SEER: 13	39 kBtu/hr	1170 cfm	0.75	sys#1

HEATING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Ducts
_____	1	Electric Heat Pump	None	HSPF: 7.7	39 kBtu/hr	sys#1

HOT WATER SYSTEM

√	#	System Type	EF	Cap	Use	SetPnt	Conservation
_____	1	Electric	0.92	40 gal	60 gal	120 deg	None

SOLAR HOT WATER SYSTEM

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

DUCTS

√	#	---- Supply ---- Location	R-Value	Area	---- Return ---- Location	Area	Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
_____	1	Attic	6	390 ft²	Attic	97.5 ft²	Default Leakage	Interior	(Default)	(Default) %		

TEMPERATURES

Programable Thermostat: None

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

Schedule Type		Hours 1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68
Heating (WEH)	AM	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68

FORM 1100A-08

Code Compliance Cheklist

Residential Whole Building Performance Method A - Details

ADDRESS:	PERMIT #:
, FL,	

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* = 83

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

, , FL,

1. New construction or existing		New (From Plans)
2. Single family or multiple family		Single-family
3. Number of units, if multiple family		1
4. Number of Bedrooms		3
5. Is this a worst case?		Yes
6. Conditioned floor area (ft²)		1950
7. Windows**	Description	Area
a. U-Factor:	Dbl, U=0.35	290.67 ft²
SHGC:	SHGC=0.35	
b. U-Factor:	N/A	ft²
SHGC:		
c. U-Factor:	N/A	ft²
SHGC:		
d. U-Factor:	N/A	ft²
SHGC:		
e. U-Factor:	N/A	ft²
SHGC:		

8. Floor Types	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	1950.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	1764.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=30.0	1950.00 ft²
b. Knee Wall (Vented)	R=30.0	116.00 ft²
c. N/A	R=	ft²

11. Ducts
a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6, 390 ft²

12. Cooling systems
a. Central Unit — Cap: 39.0 kBtu/hr, SEER: 13

13. Heating systems
a. Electric Heat Pump — Cap: 39.0 kBtu/hr, HSPF: 7.7

14. Hot water systems
a. Electric — Cap: 40 gallons, EF: 0.92

b. Conservation features
None

15. Credits — None

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

Builder Signature: _____ Date: _____

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

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

**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.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 83

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

, , FL,

1. New construction or existing		New (From Plans)
2. Single family or multiple family		Single-family
3. Number of units, if multiple family		1
4. Number of Bedrooms		3
5. Is this a worst case?		Yes
6. Conditioned floor area (ft²)		1950

7. Windows**	Description	Area
a. U-Factor:	Dbl, U=0.35	290.67 ft²
SHGC:	SHGC=0.35	
b. U-Factor:	N/A	ft²
SHGC:		
c. U-Factor:	N/A	ft²
SHGC:		
d. U-Factor:	N/A	ft²
SHGC:		
e. U-Factor:	N/A	ft²
SHGC:		

8. Floor Types	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	1950.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	1764.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=30.0	1950.00 ft²
b. Knee Wall (Vented)	R=30.0	116.00 ft²
c. N/A	R=	ft²

11. Ducts
a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6, 390 ft²

12. Cooling systems
a. Central Unit — Cap: 39.0 kBtu/hr, SEER: 13

13. Heating systems
a. Electric Heat Pump — Cap: 39.0 kBtu/hr, HSPF: 7.7

14. Hot water systems
a. Electric — Cap: 40 gallons, EF: 0.92

b. Conservation features
None

15. Credits — None

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

Builder Signature: _____ Date: 4/30/10

Address of New Home: 7766 SW Tuskenya City/FL Zip: LC, FL 32024

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

Crews

Project Title:
1004060ZecherBryanCrewsRes

, FL

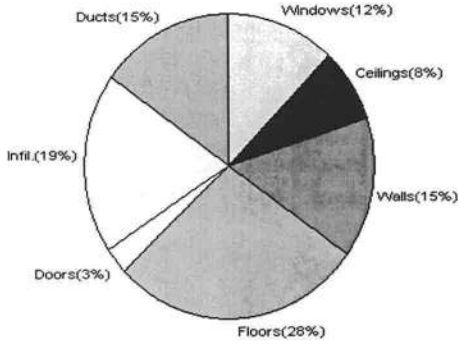
4/27/2010

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	**30817**	**Btuh**	**Total cooling load calculation**	**32936**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	126.6	39000	Sensible (SHR = 0.75)	109.5	29250
Heat Pump + Auxiliary(0.0kW)	126.6	39000	Latent	156.5	9750
			Total (Electric Heat Pump)	118.4	39000

WINTER CALCULATIONS

Winter Heating Load (for 1950 sqft)

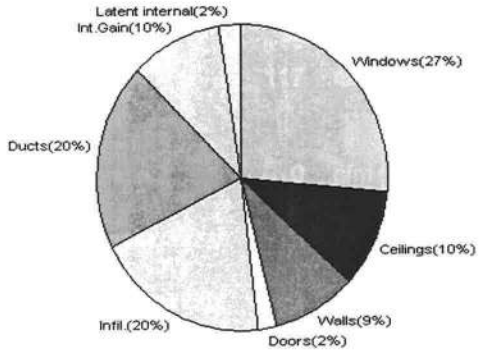
Load component			Load	
Window total	291	sqft	3764	Btuh
Wall total	1413	sqft	4641	Btuh
Door total	60	sqft	888	Btuh
Ceiling total	2066	sqft	2434	Btuh
Floor total	1950	sqft	8557	Btuh
Infiltration	146	cfm	5924	Btuh
Duct loss			4608	Btuh
Subtotal			**30817**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**30817**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1950 sqft)

Load component			Load	
Window total	291	sqft	8753	Btuh
Wall total	1413	sqft	2948	Btuh
Door total	60	sqft	672	Btuh
Ceiling total	2066	sqft	3421	Btuh
Floor total			0	Btuh
Infiltration	117	cfm	2177	Btuh
Internal gain			3320	Btuh
Duct gain			5415	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Blower Load			0	Btuh
Total sensible gain			**26706**	**Btuh**
Latent gain(ducts)			1153	Btuh
Latent gain(infiltration)			4276	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			800	Btuh
Total latent gain			**6229**	**Btuh**
TOTAL HEAT GAIN			**32936**	**Btuh**



8th Edition

EnergyGauge® System Sizing
PREPARED BY:
DATE: 4/27/10 EVAN BEAMSLEY

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Crews

Project Title:
1004060ZecherBryanCrewsRes

, FL

Building Type: User

4/27/2010

Reference City: Gainesville, FL (Defaults) Winter Temperature Difference: 37.0 F (MJ8 99%)
This calculation is for Worst Case. The house has been rotated 45 degrees.

Component Loads for Whole House

Window	Panes/Type	Frame	U	Orientation	Area(sqft) X	HTM=	Load
1	2, NFRC 0.35	Metal	0.35	NE	16.0	12.9	207 Btuh
2	2, NFRC 0.35	Metal	0.35	NE	36.0	12.9	466 Btuh
3	2, NFRC 0.35	Metal	0.35	NE	20.0	12.9	259 Btuh
4	2, NFRC 0.35	Metal	0.35	SE	72.0	12.9	932 Btuh
5	2, NFRC 0.35	Metal	0.35	SW	36.0	12.9	466 Btuh
6	2, NFRC 0.35	Metal	0.35	SW	36.0	12.9	466 Btuh
7	2, NFRC 0.35	Metal	0.35	SW	6.7	12.9	86 Btuh
8	2, NFRC 0.35	Metal	0.35	SW	36.0	12.9	466 Btuh
9	2, NFRC 0.35	Metal	0.35	NW	12.0	12.9	155 Btuh
10	2, NFRC 0.35	Metal	0.35	NW	4.0	12.9	52 Btuh
11	2, NFRC 0.35	Metal	0.35	NW	16.0	12.9	207 Btuh
	Window Total				290.7(sqft)		3764 Btuh

Walls	Type	Ornt.	Ueff.	R-Value (Cav/Sh)	Area X	HTM=	Load
1	Frame - Wood	- Ext	(0.089)	13.0/0.0	334	3.28	1098 Btuh
2	Frame - Wood	- Ext	(0.089)	13.0/0.0	364	3.28	1195 Btuh
3	Frame - Wood	- Ext	(0.089)	13.0/0.0	312	3.28	1023 Btuh
4	Frame - Wood	- Ext	(0.089)	13.0/0.0	404	3.28	1326 Btuh
	Wall Total				1413(sqft)		4641 Btuh

Doors	Type	Storm	Ueff.	Area X	HTM=	Load
1	Insulated - Exterior,	n	(0.400)	20	14.8	296 Btuh
2	Insulated - Exterior,	n	(0.400)	20	14.8	296 Btuh
3	Insulated - Exterior,	n	(0.400)	20	14.8	296 Btuh
	Door Total			60(sqft)		888Btuh

Ceilings	Type/Color/Surface	Ueff.	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shing	(0.032)	30.0/0.0	1950	1.2	2298 Btuh
2	Knee Wall/D/Shing	(0.032)	30.0/0.0	116	1.2	137 Btuh
	Ceiling Total			2066(sqft)		2434Btuh

Floors	Type	Ueff.	R-Value	Size X	HTM=	Load
1	Slab On Grade	(1.180)	0.0	196.0 ft(perim.)	43.7	8557 Btuh
	Floor Total			1950 sqft		8557 Btuh

	Envelope Subtotal:	20285 Btuh

Infiltration	Type	ACH	Volume(cuft)	Wall Ratio	CFM=	
	Natural	0.50	17550	1.00	146.3	5924 Btuh

Duct load	Average sealed, R6.0, Supply(Att), Return(Att) (DLM of 0.176)	4608 Btuh
All Zones	**Sensible Subtotal All Zones**	**30817 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Crews

, FL

Project Title:
1004060ZecherBryanCrewsRes
Building Type: User

4/27/2010

WHOLE HOUSE TOTALS

Totals for Heating	Subtotal Sensible Heat Loss	30817 Btuh
	Ventilation Sensible Heat Loss	0 Btuh
	Total Heat Loss	30817 Btuh

EQUIPMENT

1. Electric Heat Pump	#	39000 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

Crews

Project Title:
1004060ZecherBryanCrewsRes

, FL

4/27/2010

Reference City: Gainesville, FL Temperature Difference: 17.0F(MJ8 99%) Humidity difference: 54gr.
This calculation is for Worst Case. The house has been rotated 45 degrees.

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	0.35, 0.35		No	No	NE	1.5ft.	1.0ft.	16.0	0.0	16.0	13	29	472 Btuh
2	2 NFRC	0.35, 0.35		No	No	NE	11.5f	1.0ft.	36.0	0.0	36.0	13	29	1061 Btuh
3	2 NFRC	0.35, 0.35		No	No	NE	11.5f	2.0ft.	20.0	0.0	20.0	13	29	589 Btuh
4	2 NFRC	0.35, 0.35		No	No	SE	1.5ft.	1.0ft.	72.0	17.6	54.4	13	31	1922 Btuh
5	2 NFRC	0.35, 0.35		No	No	SW	1.5ft.	1.0ft.	36.0	8.8	27.2	13	31	961 Btuh
6	2 NFRC	0.35, 0.35		No	No	SW	0.0ft.	0.0ft.	36.0	0.0	36.0	13	31	1117 Btuh
7	2 NFRC	0.35, 0.35		No	No	SW	4.7ft.	2.0ft.	6.7	6.7	0.0	13	31	89 Btuh
8	2 NFRC	0.35, 0.35		No	No	SW	1.5ft.	1.0ft.	36.0	8.8	27.2	13	31	961 Btuh
9	2 NFRC	0.35, 0.35		No	No	NW	1.5ft.	1.0ft.	12.0	0.0	12.0	13	29	354 Btuh
10	2 NFRC	0.35, 0.35		No	No	NW	1.5ft.	1.0ft.	4.0	0.0	4.0	13	29	118 Btuh
11	2 NFRC	0.35, 0.35		No	No	NW	1.5ft.	1.0ft.	16.0	0.0	16.0	13	29	472 Btuh
	Excursion													638 Btuh
	Window Total								291 (sqft)					8753 Btuh

Walls	Type	U-Value	R-Value Cav/Sheath	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	0.09	13.0/0.0	334.3	2.1	697 Btuh
2	Frame - Wood - Ext	0.09	13.0/0.0	363.8	2.1	759 Btuh
3	Frame - Wood - Ext	0.09	13.0/0.0	311.6	2.1	650 Btuh
4	Frame - Wood - Ext	0.09	13.0/0.0	403.8	2.1	842 Btuh
	Wall Total			1413 (sqft)		2948 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Exterior	20.0	11.2	224 Btuh
2	Insulated - Exterior	20.0	11.2	224 Btuh
3	Insulated - Exterior	20.0	11.2	224 Btuh
	Door Total	60 (sqft)		672 Btuh

Ceilings	Type/Color/Surface	U-Value	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	0.032	30.0/0.0	1950.0	1.66	3229 Btuh
2	Knee Wall/DarkShingle	0.032	30.0/0.0	116.0	1.66	192 Btuh
	Ceiling Total			2066 (sqft)		3421 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	1950 (ft-perimeter)	0.0	0 Btuh
	Floor Total		1950.0 (sqft)		0 Btuh
			Envelope Subtotal:		15794 Btuh

Infiltration	Type	ACH	Volume(cuft)	Wall Ratio	CFM=	Load
	SensibleNatural	0.40	17550	1413	146.3	2177 Btuh

Internal gain	Occupants	Btuh/occupant		Appliance	Load
	4	X 230	+	2400	3320 Btuh
			Sensible Envelope Load:		21292 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Crews

Project Title: 1004060ZecherBryanCrewsRes

Climate:FL_GAINESVILLE_REGIONAL_A

, FL

4/27/2010

Duct load	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic)	(DGM of 0.254)	5415 Btuh
		Sensible Load All Zones	**26706 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Crews

Project Title: Climate:FL_GAINESVILLE_REGIONAL_A
1004060ZecherBryanCrewsRes

, FL

4/27/2010

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**21292 Btuh**
	Sensible Duct Load	5415 Btuh
	Total Sensible Zone Loads	**26706 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**26706 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	4276 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	1153 Btuh
	Latent occupant gain (4 people @ 200 Btuh per person)	800 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**6229 Btuh**
	TOTAL GAIN	**32936 Btuh**

EQUIPMENT

1. Central Unit	#	39000 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

PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553 842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A SWINGING	MASONIC FIBERGLASS	THERMATRU	FL 4668.1/88.38.1
B SLIDING			
C SECTIONAL			
D ROLL UP			
E AUTOMATIC			
F OTHER			
2. WINDOWS			
A SINGLE HUNG	VISION/VEATTRA		SH FL 1378 3
B HORIZONTAL SLIDER	VISION/VEATTRA		PW FL 1385 3
C CASEMENT			
D DOUBLE HUNG			FL681/FL1385-R
E FIXED	CIJ		
F AWNING			
G PASS THROUGH			
H PROJECTED			
I MULLION			
J WIND BREAKER			
K DUAL ACTION			
L OTHER			
3. PANEL WALL			
A SIDING	HARDIPLANK		
B SOFFITS	ASHLEY ALUMINUM		
C EIFS			
D STOREFRONTS			
E CURTAIN WALLS			
F WALL LOUVER			
G GLASS BLOCK			
H MEMBRANE			
I GREENHOUSE			
J OTHER			
4. ROOFING PRODUCTS			
A ASPHALT SHINGLES			FL 1814
B UNDERLAYMENTS	FELT		RDM 3378
C ROOFING FASTENERS	NAILS		
D NON-STRUCTURAL METAL ROOFING			
E WOOD SHINGLES AND SHAKES			
F ROOFING TILES			
G ROOFING INSULATION			
H WATERPROOFING			
I BUILT UP ROOFING ROOF SYSTEMS			
J MODIFIED BITUMEN			
K SINGLE PLY ROOF			

SYSTEMS			
L. ROOFING SLATE			
M CEMENTS-ADHESIVES COATINGS			

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
N LIQUID APPLIED ROOF SYSTEMS			
O ROOF TILE ADHESIVE			
P SPRAY APPLIED POLYURETHANE ROOF			
Q OTHER			
5. SHUTTERS	N/A		
A ACCORDION			
B BAHAMA			
C STORM PANELS			
D COLONIAL			
E ROLL-UP			
F EQUIPMENT			
G OTHERS			
6. SKYLIGHTS	N/A		
A SKYLIGHT			
B OTHER			
7. STRUCTURAL COMPONENTS	N/A		
A WOOD CONNECTORS/ ANCHORS			
B TRUSS PLATES			
C ENGINEERED LUMBER			
D RAILING			
E COOLERS-FREEZERS			
F CONCRETE ADMIXTURES			
G MATERIAL			
H INSULATION FORMS			
I PLASTICS			
J DECK-ROOF			
K WALL			
L SHEDS			
M OTHER			
8. NEW EXTERIOR ENVELOPE PRODUCTS	N/A		
A			
B			

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

_____

_____

DECEMBER 17, 2009
BOARD OF COUNTY COMMISSIONERS MEETING
BUILDING AND ZONING DEPARTMENT
SPECIAL FAMILY LOT PERMITS
CONSENT AGENDA

COLUMBIA COUNTY BOARD
OF COUNTY COMMISSIONERS

CHAIRMAN

BCC APPROVED
12/17/09
DATE

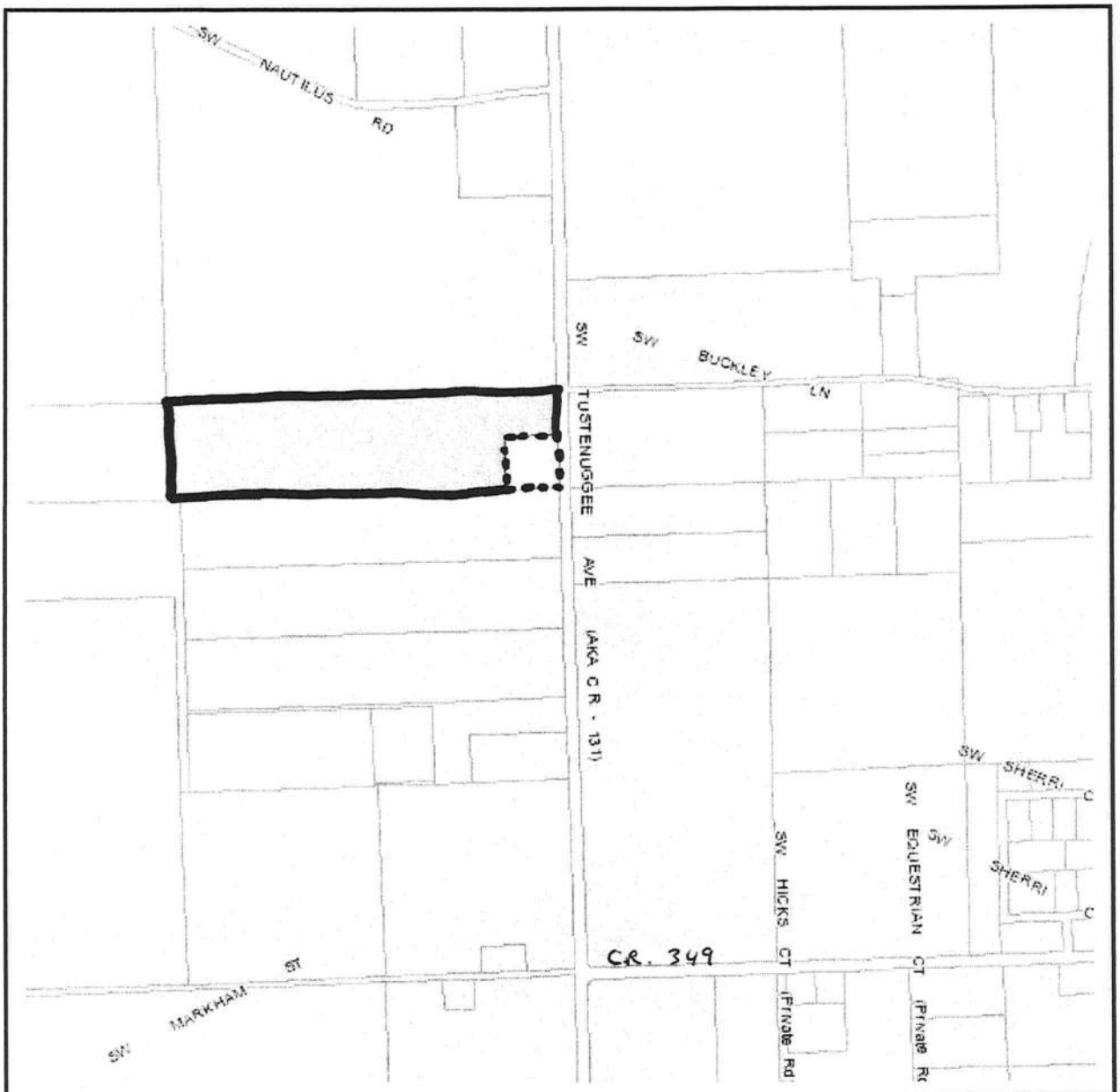
FL0904 – Immediate Family Member: Kendra and Brian Crews
Parent Parcel Owner: David and Ellen Feagle Family Trust
Family Relationship: Grand-daughter and Grand-son-in-law
Acreage Being Deeded: 3
Acreage Remaining: 22
Location of Property: See attachment "A"

Requesting approval of the Special Family Lot permit. Meets the requirements of Section 14.9 of the Land Development Regulations. Staff recommends approval.

FL0905 – Immediate Family Member: Tina and Melvin McElhenney
Parent Parcel Owner: Billy and Joyce Suggs
Family Relationship: Daughter and Son-in-law
Acreage Being Deeded: 2
Acreage Remaining: 18
Location of Property: See attachment "B"

Requesting approval of the Special Family Lot permit. Meets the requirements of Section 14.9 of the Land Development Regulations. Staff recommends approval.

"A"

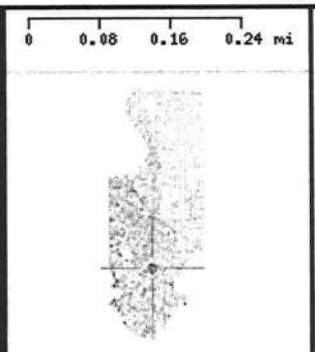


Columbia County Property Appraiser

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

PARCEL: 30-5S-17-09452-000 - CROPLAND C (005200)

Name:	FEAGLE DAVID W FAMILY TRUST &	LandVal	$0.00
		BldgVal	$0.00
Site:		ApprVal	$7,398.00
	FEAGLE ELLEN S FAMILY TRUST	JustVal	$126,505.00
Mail:	350 SW NAUTILUS RD	Assd	$7,398.00
	LAKE CITY, FL 32024	Exmpt	$0.00
Sales Info		Taxable	County: $7,398.00 | City: $7,398.00 Other: $7,398.00 | School: $7,398.00



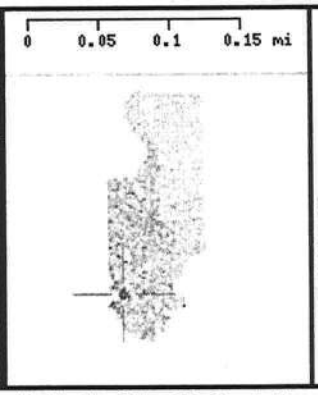
"B"

Columbia County Property Appraiser

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

PARCEL: 19-6S-16-03875-000 HX - MOBILE HOM (000200)

Name:	SUGGS BILLY PATRICK &	LandVal	$94,340.00
Site:	ROBERTS	BldgVal	$34,072.00
	JOYCE ANN	ApprVal	$135,412.00
Mail:	372 SW ROBERTS AVE	JustVal	$135,412.00
	FT WHITE, FL 32038	Assd	$133,954.00
Sales		Exmpt	$25,000.00
Info			County: $108,954.00 | City: $108,954.00
		Taxable	Other: $108,954.00 | School: $108,954.00



This information, GIS Map Updated: 11/13/2009, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

COLUMBIA COUNTY, FLORIDA
SPECIAL FAMILY LOT PERMIT
APPLICATION

1. Name of Applicant (Immediate Family Member) Kendra E. Crews

Address PO Box 2297 City Lake City

Zip Code 32056 Phone (386) 365-4176

2. Name of Title Holder (Parent Parcel Owner) David W. Feagle and Ellen S. Feagle

Address 350 SW Nautilus Road City Lake City

Zip Code 32024 Phone (386) 752-3036

3. Applicant's Relationship to Title Holder (Parent Parcel Owner) Grandchild

4. Title Holder (Parent Parcel Owner) Tax Parcel ID# 30-5S-17-09452-000

5. Title Holder (Parent Parcel Owner) Size of Property 25 acres

6. Attach Copy of Parent Parcel Owners' Deed.

7. Attach Legal Description of Proposed Family Lot.

8. Attach a map, drawing or sketch of Parent Parcel showing location of proposed family lot being deeded to immediate Family Member with appropriate dimensions.

9. Attach copies of personal identification and proof of relationship of both the parent parcel owner and immediate family member. The personal identification shall consist of original documents or notarized copies from public records. Such documents may include birth certificates, adoption records, marriage certificates and/or other public records.

I (we) hereby certify that all of the above statements and the statements contained in any papers or plans submitted herewith are true and correct to the best of my (our) knowledge and belief.

Kendra E Crews
Applicants Name (Print or Type)

Kendra E. Crews — 12-8-09
Applicant Signature — Date

FIELD DENSITY REPORT

ASC Lake City: 366 SW Knox Street, Suite 103, Lake City, Florida 32025

PROJECT INFORMATION

PROJECT: Crews Residence
LOCATION: 7766 SW Tustenuggee Avenue, Lake City, Columbia County, FL 32024
CLIENT: Bryan Zecher Construction
CONTRACTOR: Bryan Zecher Construction

DATE: 18 May 2010
PROJECT NO: 10G1011
LAB NO: 3
TECHNICIAN: J. Curry

FIELD DENSITY INFORMATION

TEST NUMBER	TEST LOCATION	FIELD MOISTURE (%)	IN-PLACE DRY DENSITY (lb/ft^3)	LAB PROCTOR DENSITY (lb/ft^3)	TEST DATE: 14-May-10 COMPACTION PERCENT ATTAINED	COMPACTION PERCENT REQUIRED
	Footers for House					
5	From SE Corner, 1' West (BOF)	6.3	104.0	108.2	96	95
6	From SW Corner, 5' North (BOF)	6.6	103.1	108.2	95	95
7	From NW Corner, 5' East (BOF)	6.8	105.3	108.2	97	95
8	From NE Corner, 5' South (BOF)	6.1	104.8	108.2	97	95

Tests performed in general accordance with ASTM D2922, ASTM D2937 & ASTM D1556

LAB INFORMATION

PROCTOR NUMBER	MATERIAL DESCRIPTION (Unified Soil Classification System)	OMC %	LAB MAX. DENSITY (lb/ft^3)	LAB TEST METHOD STD. D698/ T 99	LAB TEST METHOD MOD. D1557/ T 180	PASSING #200 SIEVE (%)
1B	Light brown poorly graded sand w/silt (SP-SM)	11.2	108.2		√	6.6

Copies: Bryan Zecher, Bryan Zecher Construction

NOTES: 1. Test Reports shall not be reproduced except in full.
2. Test Reports reported herein relate only to material actually tested.
3. BOF - Bottom of Footing.

28545

Theresa M. Bailey, P.E., Florida Registration No. 42462

FIELD DENSITY REPORT

ASC Lake City: 366 SW Knox Street, Suite 103, Lake City, Florida 32025

PROJECT INFORMATION

PROJECT:	Crews Residence	**DATE:**	18 May 2010
LOCATION:	7766 SW Tustenuggee Avenue, Lake City, Columbia County, FL 32024	**PROJECT NO:**	10G1011
CLIENT:	Bryan Zecher Construction	**LAB NO:**	2
CONTRACTOR:	Bryan Zecher Construction	**TECHNICIAN:**	J. Curry

FIELD DENSITY INFORMATION

TEST NUMBER	TEST LOCATION	FIELD MOISTURE (%)	IN-PLACE DRY DENSITY (lb/ft^3)	LAB PROCTOR DENSITY (lb/ft^3)	TEST DATE: 13-May-10 COMPACTION PERCENT ATTAINED	COMPACTION PERCENT REQUIRED
	Building Pad					
1	From NW Corner of Building Pad, 20' South x 15' East (SOG)	4.6	102.9	108.2	95	95
2	From SW Corner of Building Pad, 10' North x 20' East (SOG)	4.8	103.5	108.2	96	95
3	From SE Corner of Building Pad, 15' North x 25' West (SOG)	5.1	104.1	108.2	96	95
4	From NE Corner of Building Pad, 10' South x 30' West (SOG)	5.8	105.6	108.2	98	95

Tests performed in general accordance with ASTM D2922, ASTM D2937 & ASTM D1556

LAB INFORMATION

PROCTOR NUMBER	MATERIAL DESCRIPTION (Unified Soil Classification System)	OMC %	LAB MAX. DENSITY (lb/ft^3)	LAB TEST METHOD STD. D698/ T 99	LAB TEST METHOD MOD. D1557/ T 180	PASSING #200 SIEVE (%)
1B	Light brown poorly graded sand w/silt (SP-SM)	11.2	108.2		√	6.6

Copies: Bryan Zecher, Bryan Zecher Construction

NOTES: 1. Test Reports shall not be reproduced except in full.
2. Test Reports reported herein relate only to material actually tested.
3. SOG = Slab on Grade.

28545

Theresa M. Bailey, P.E., Florida Registration No. 42462

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: 1TZR8228Z0502135309

Truss Fabricator:	Anderson Truss Company
Job Identification:	10-047--Fill in later BRYAN ZECHER/ CREWS -- , **
Truss Count:	40
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

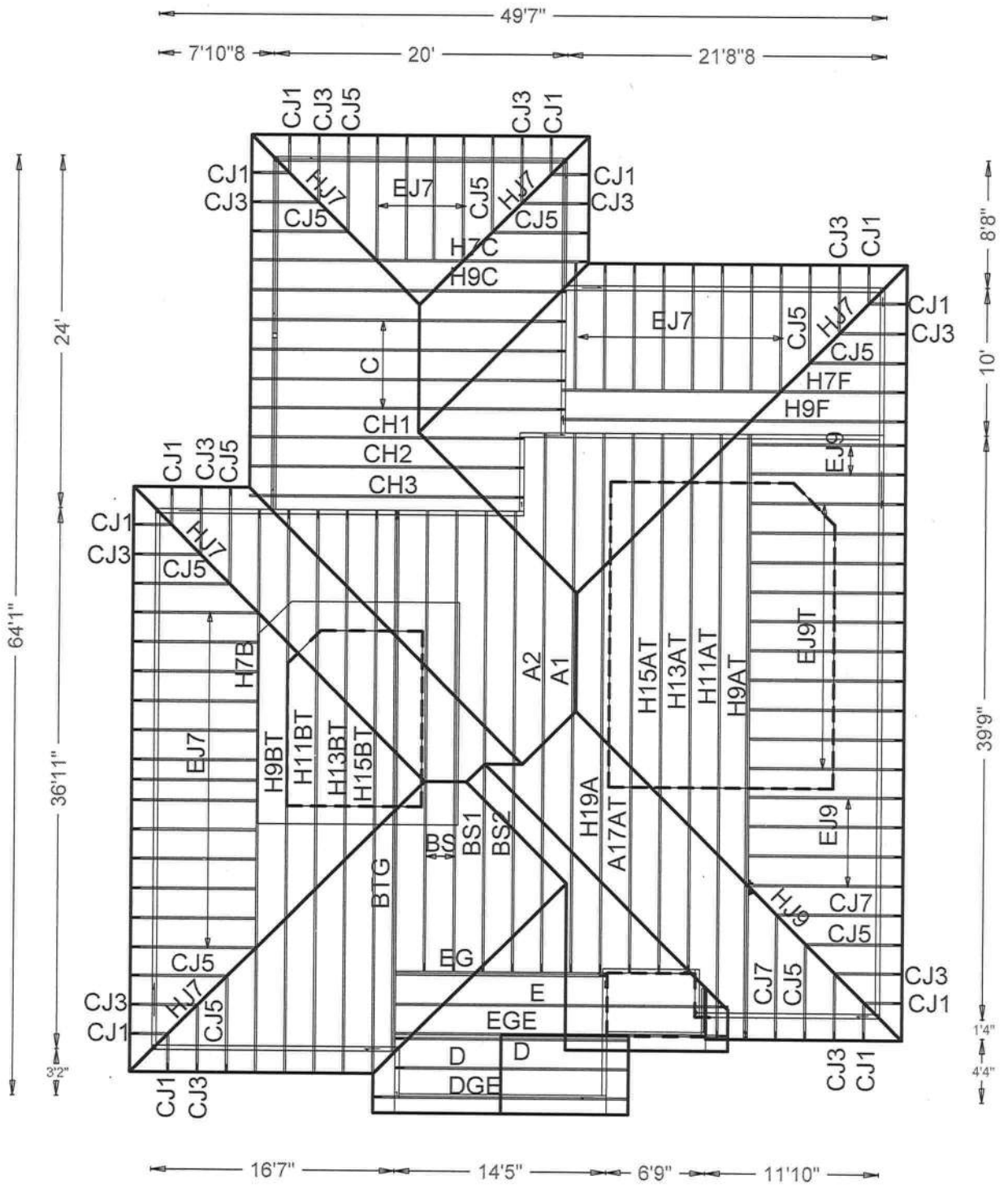
Seal Date: 03/02/2010

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

Details: BRCLBSUB-CNNAILSP-A1101505-GBLLETIN-

#	Ref Description	Drawing#	Date
1	47404--H19A	10061033	03/02/10
2	47405--A1	10061034	03/02/10
3	47406--A2	10061058	03/02/10
4	47407--H9AT	10061048	03/02/10
5	47408--H11AT	10061020	03/02/10
6	47409--H13AT	10061035	03/02/10
7	47410--H15AT	10061036	03/02/10
8	47411--A17AT	10061037	03/02/10
9	47412--H7B	10061049	03/02/10
10	47413--BS	10061038	03/02/10
11	47414--BS1	10061050	03/02/10
12	47415--BS2	10061039	03/02/10
13	47416--BTG	10061059	03/02/10
14	47417--H9BT	10061021	03/02/10
15	47418--H11BT	10061022	03/02/10
16	47419--H13BT	10061023	03/02/10
17	47420--H15BT	10061024	03/02/10
18	47421--H7C	10061051	03/02/10
19	47422--H9C	10061025	03/02/10
20	47423--C	10061026	03/02/10
21	47424--CH1	10061027	03/02/10
22	47425--CH2	10061028	03/02/10
23	47426--CH3	10061029	03/02/10
24	47427--DGE	10061052	03/02/10
25	47428--D	10061030	03/02/10
26	47429--D	10061040	03/02/10
27	47430--E	10061041	03/02/10
28	47431--EGE	10061053	03/02/10
29	47432--EG	10061054	03/02/10
30	47433--H7F	10061055	03/02/10
31	47434--H9F	10061031	03/02/10
32	47435--EJ7	10061042	03/02/10
33	47436--CJ5	10061043	03/02/10
34	47437--HJ7	10061056	03/02/10
35	47438--HJ9	10061057	03/02/10
36	47439--CJ3	10061044	03/02/10

#	Ref Description	Drawing#	Date
37	47440--CJ1	10061045	03/02/10
38	47441--CJ7	10061046	03/02/10
39	47442--EJ9	10061032	03/02/10
40	47443--EJ9T	10061047	03/02/10



Roof Plane Sheathing Area = 3352 sq. ft

BRYAN ZECHER/ CREWS

JOB DESCRIPTION:: Fill in later
/: BRYAN ZECHER/ CREWS

JOB NO:
10-047

PAGE NO:
1 OF 1

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - H19A)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

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

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

(A) Continuous lateral bracing equally spaced on member.

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

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

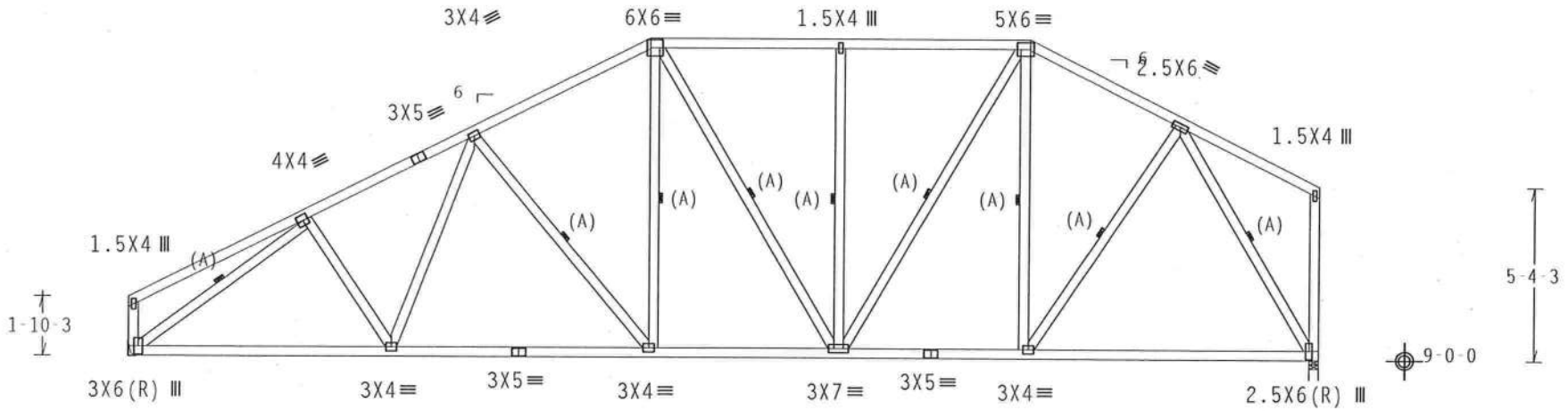
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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

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



16-0-0 | 11-9-0 | 9-0-0

36-9-0 Over 2 Supports

R=1513 U=183
RL=222/-174 H=Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2) 1.50x 5.50 SolidSawn

R=1513 U=160 W=3.5"

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0) 9.02.00.06

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

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL 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 CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (H,H/SS/K) ASTM A653 GRADE 40/60 (H, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-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.

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Mar

TC LL	20.0 PSF	REF	R8228- 47404
TC DL	10.0 PSF	DATE	03/02/10
BC DL	10.0 PSF	DRW	HCUSR8228 10061033
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	91703
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZR8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - A1)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

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

(A) Continuous lateral bracing equally spaced on member.

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

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

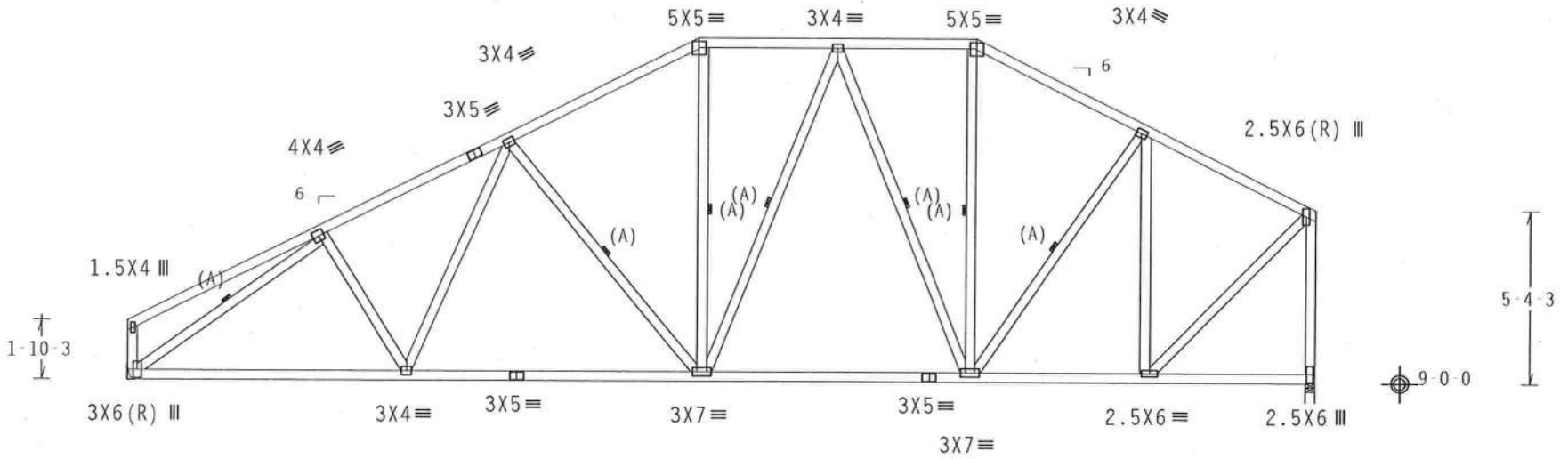
110 mph wind, 15.24 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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

MWFRS loads based on trusses located at least 15.24 ft. from roof edge.



17-7-0 | 8-7-0 | 10-7-0

36-9-0 Over 2 Supports

R=1513 U=173
RL=247/-199 H=Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2) 1.50x 5.50 SolidSawn

R=1513 U=137 W=3.5"

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)
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 [illegible] 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 CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 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.

JAMES W. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Mar 02 10

TC LL	20.0 PSF	REF R8228- 47405
TC DL	10.0 PSF	DATE 03/02/10
BC DL	10.0 PSF	DRW HCUSR8228 10061034
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 91722
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TZR8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - A2)

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

(A) Continuous lateral bracing equally spaced on member.

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.

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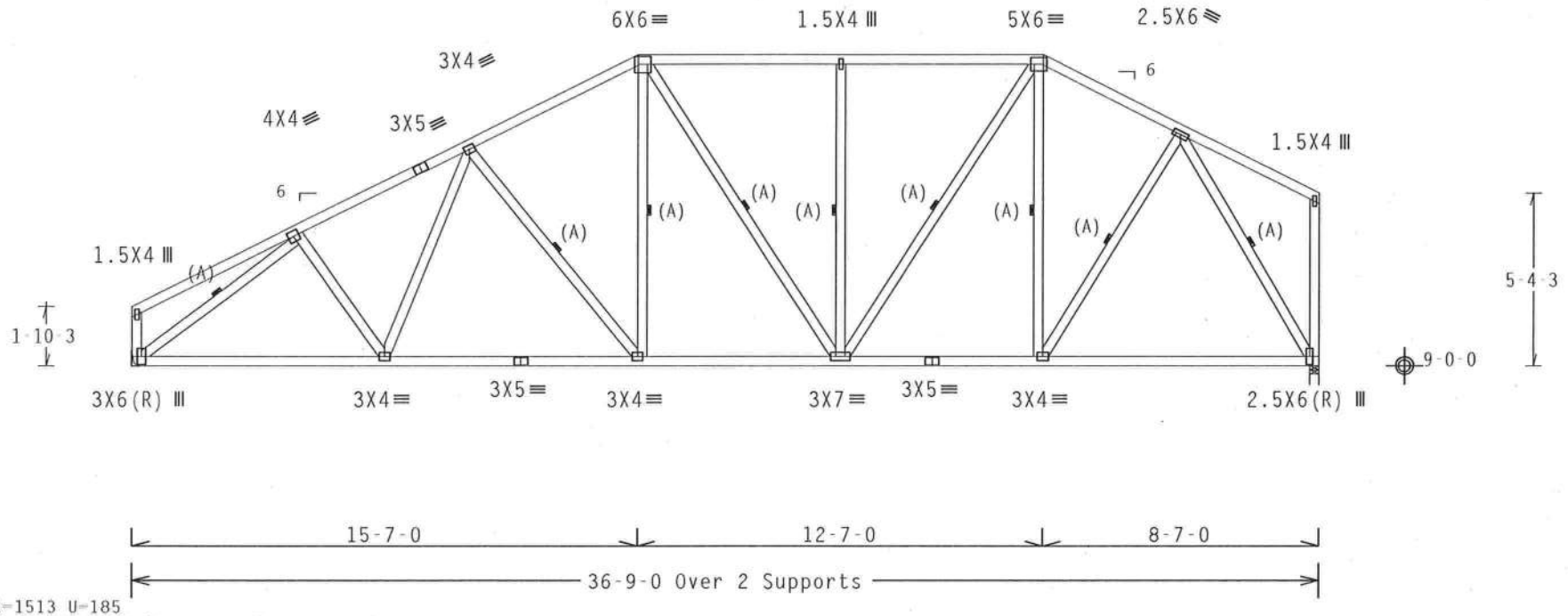
MWFRS loads based on trusses located at least 15.00 ft. from roof edge.



R=1513 U=185
RL=215/-167 H=Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2) 1.50x 5.50 SolidSawn

R=1513 U=167 W=3.5"

Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00.061[illegible] QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL [illegible]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.

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JAMES R. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar [illegible]

TC LL	20.0 PSF	REF	R8228- 47406
TC DL	10.0 PSF	DATE	03/02/10
BC DL	10.0 PSF	DRW	HCUSR8228 10061058
BC LL	0.0 PSF		HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN-	91731
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZR8228Z05

Top chord 2x6 SP #2 :T1 2x4 SP #2 Dense:
Bot chord 2x6 SP #2 :B2 2x6 SP #1 Dense:
Webs 2x4 SP #3 :W3, W5, W10 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.

#1 hip supports 9-0-0 jacks W/2 panel TC and no end vert.

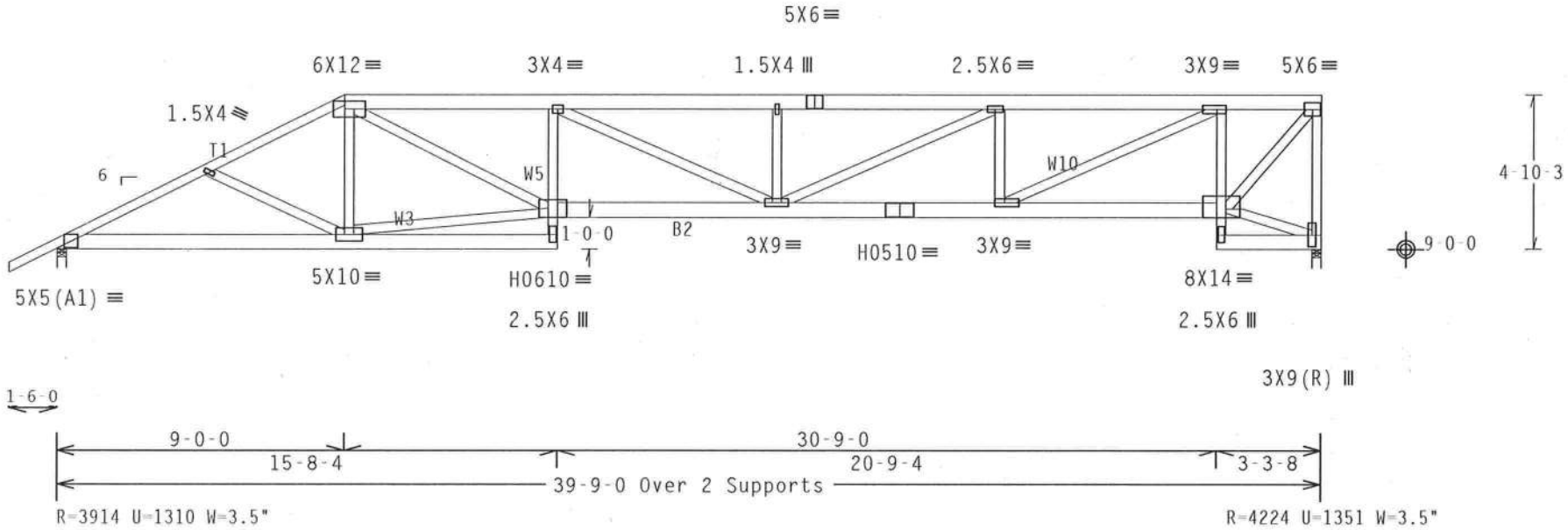
Deflection meets L/240 live and L/180 total load.

2 COMPLETE TRUSSES REQUIRED

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

Right end vertical not exposed to wind pressure.

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



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. 20 Gauge HS,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 [illegible]0 278

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JAMES P. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar [illegible]

TC LL	20.0 PSF	REF	R8228- 47407
TC DL	10.0 PSF	DATE	03/02/10
BC DL	10.0 PSF	DRW	HCUSR8228 10061048
BC LL	0.0 PSF		HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN-	91581
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZR8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - H11AT)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

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.

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

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

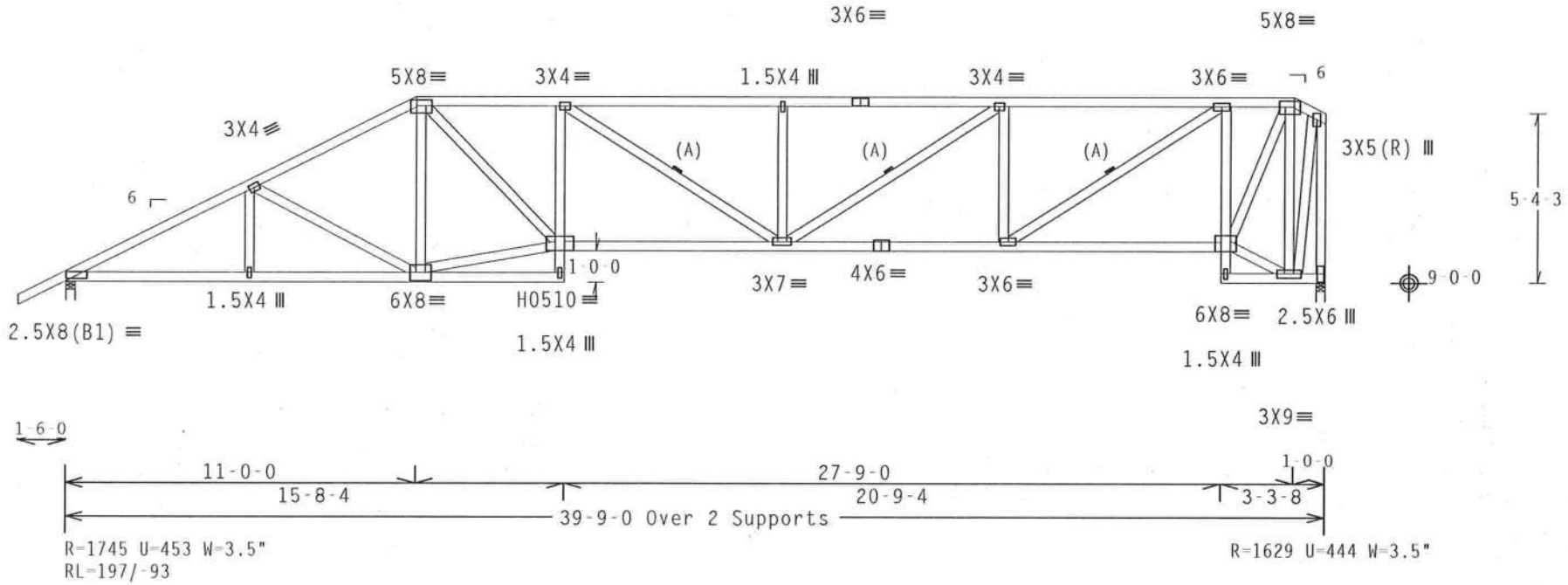
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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. 20 Gauge HS,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 0278

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JAMES R. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 02 10

TC LL	20.0 PSF	REF	R8228- 47408
TC DL	10.0 PSF	DATE	03/02/10
BC DL	10.0 PSF	DRW	HCUSR8228 10061020
BC LL	0.0 PSF		HC-ENG JB/AP *
TOT.LD.	40.0 PSF	SEQN-	91607
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZR8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - H13AT)

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

(A) Continuous lateral bracing equally spaced on member.

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

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

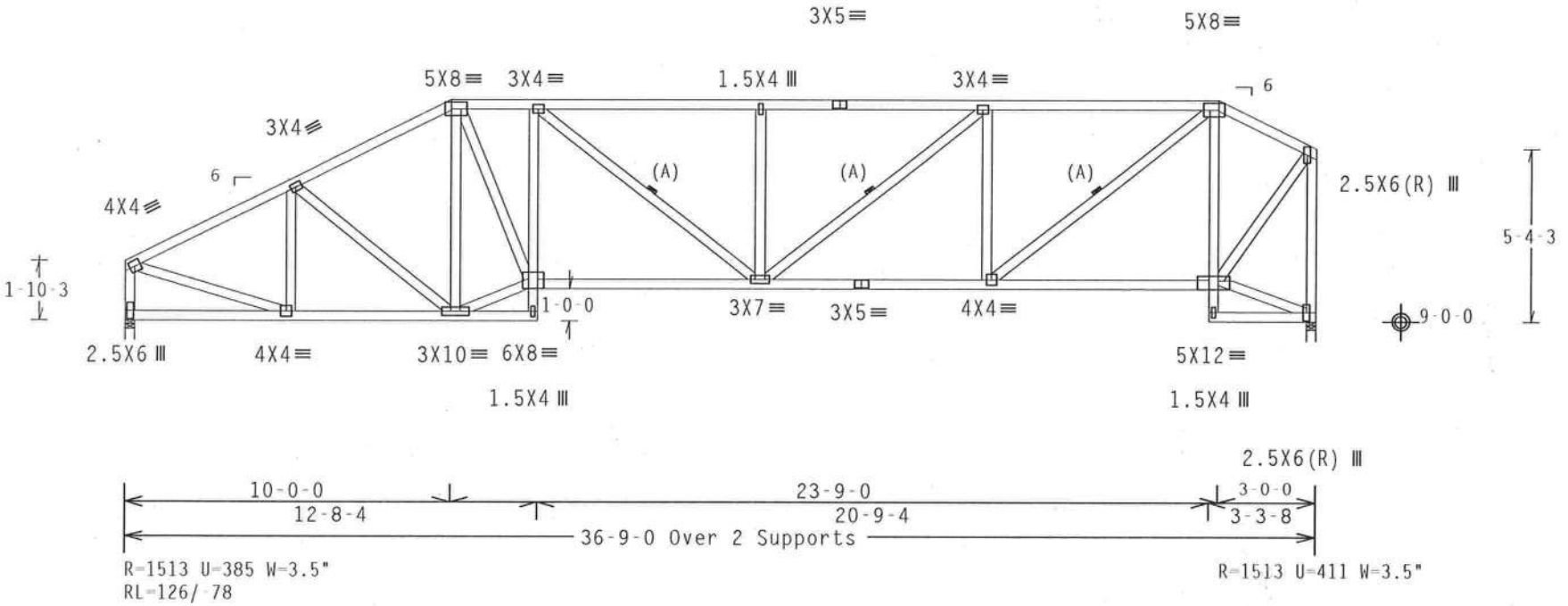
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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.

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

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL [illegible]0278

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 02 10

TC LL	20.0 PSF	REF	R8228- 47409
TC DL	10.0 PSF	DATE	03/02/10
BC DL	10.0 PSF	DRW	HCUSR8228 10061035
BC LL	0.0 PSF		HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN-	91632
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZR8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - H15AT)

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

(A) Continuous lateral bracing equally spaced on member.

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

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

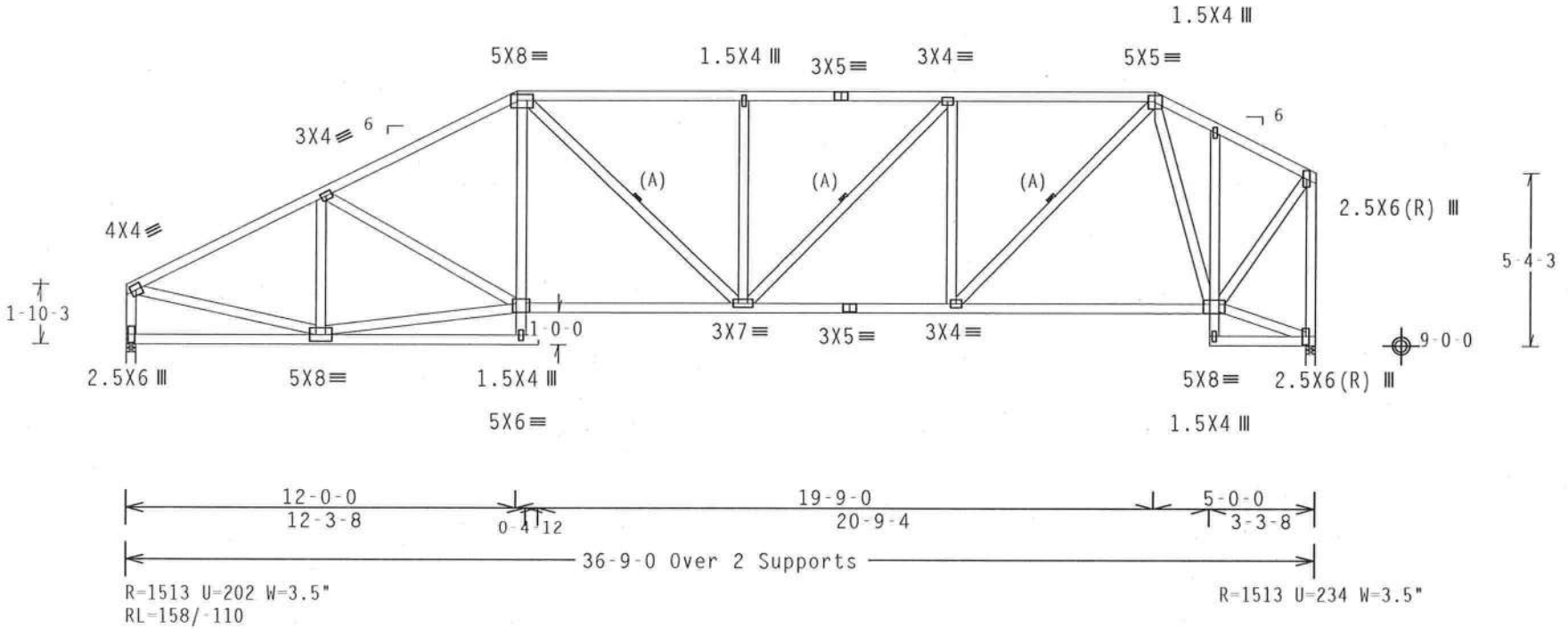
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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.

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) 9.02.00.0610 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL [illegible]0278

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Mar 02 [illegible]

TC LL	20.0 PSF	REF	R8228- 47410
TC DL	10.0 PSF	DATE	03/02/10
BC DL	10.0 PSF	DRW	HCUSR8228 10061036
BC LL	0.0 PSF		HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN-	91675
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZR8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - A17AT)

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

(A) Continuous lateral bracing equally spaced on member.

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

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

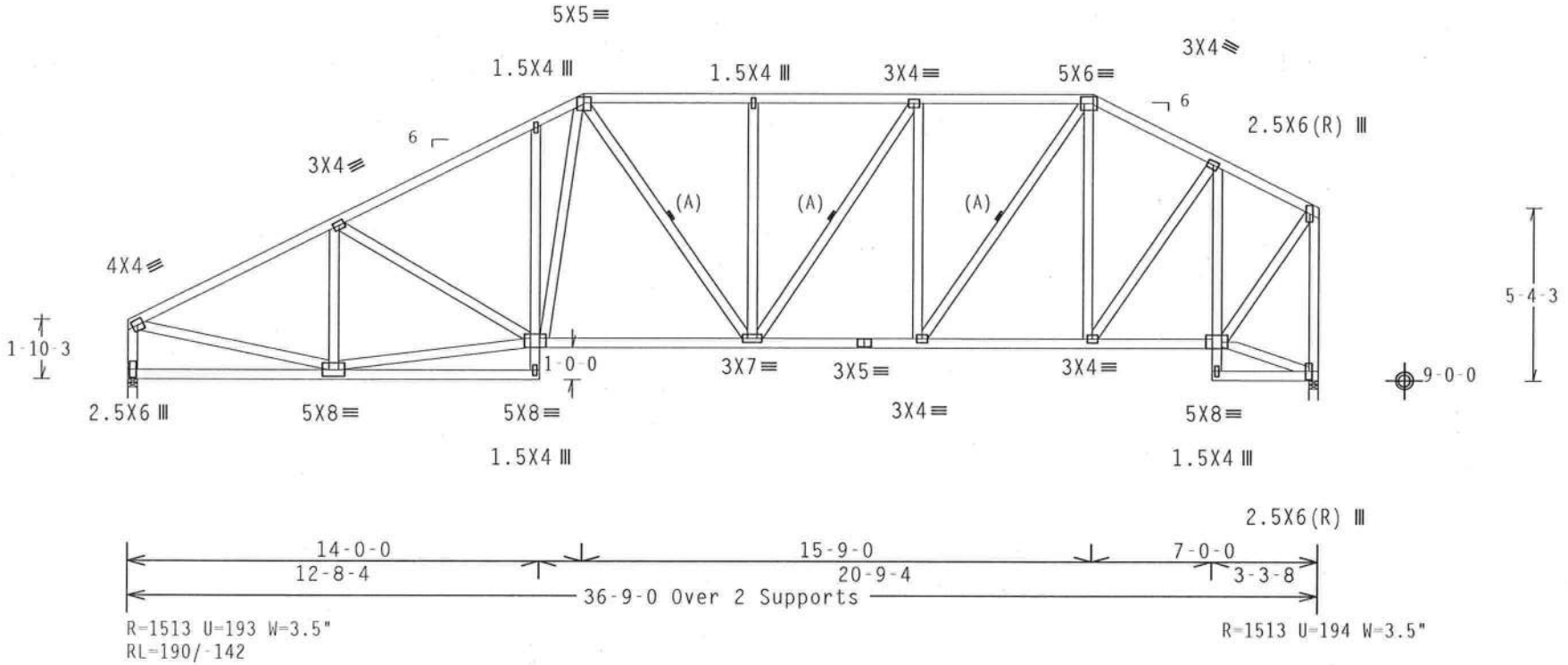
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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.

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) | 9.02.00.05 | QTY:1 | FL/-/4/-/-/R/- | Scale =.1875"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL [illegible]0278

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 02 10

TC LL	20.0 PSF	REF R8228- 47411
TC DL	10.0 PSF	DATE 03/02/10
BC DL	10.0 PSF	DRW HCUSR8228 10061037
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 91693
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TZR8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - H7B)

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

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

Roof overhang supports 2.00 psf soffit load.

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

Left side jacks have 7-0-0 setback with 0-0-0 cant and 1-6-0 overhang. End jacks have 7-0-0 setback with 0-0-0 cant and 1-6-0 overhang. Right side jacks have 7-0-0 setback with 0-0-0 cant and 1-6-0 overhang.

Brg blocks:0.131"x3" nails

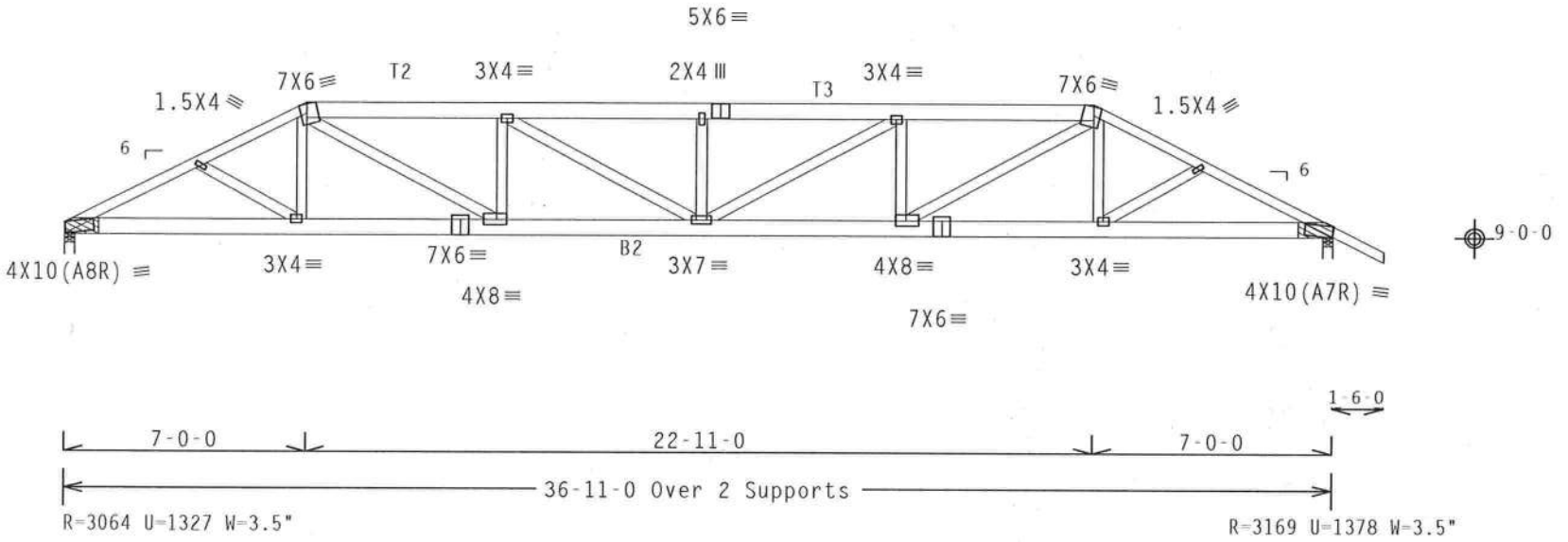
brg	x-loc	#blocks	length/blk	#nails/blk	wall plate
1	0.000'	1	12"	4	Rigid Surface
2	36.625'	1	12"	4	Rigid Surface

Brg block to be same size and species as bottom chord.
Refer to drawing CNNAILSP0109 for more information.

Wind reactions based on MWFRS pressures.

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

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



Design Crit: FBC2007Res/TPI-2002(STD)

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 0278

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JAMES F. COLLINS JR. LICENSED No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 02 10

TC LL	20.0 PSF	REF	R8228- 47412
TC DL	10.0 PSF	DATE	03/02/10
BC DL	10.0 PSF	DRW	HCUSR8228 10061049
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	91561
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZR8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - BS)

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

Left end vertical not exposed to wind pressure.

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

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

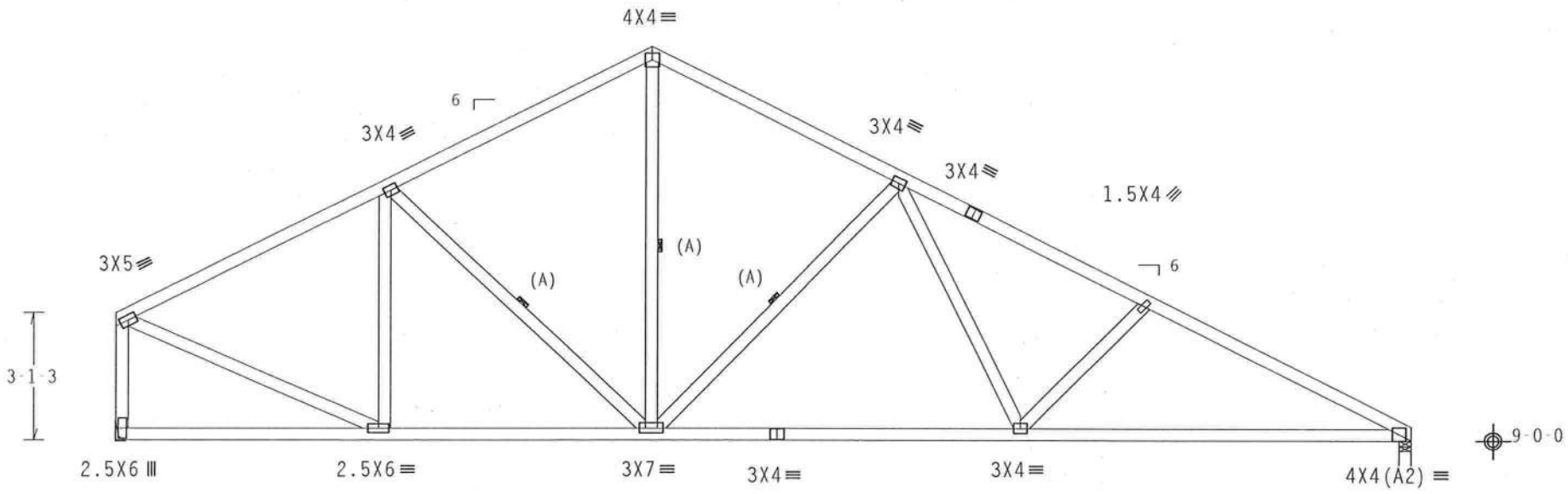
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

(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.

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



12-11-8 | 18-5-8

31-5-0 Over 2 Supports

R=1406 U=93
RL=220/-261 H=Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2) 1.50x 5.50 SolidSawn

R=1398 U=97 W=3.5"

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 [illegible]278

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JAMES H. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 02,10

TC LL	20.0 PSF	REF R8228- 47413
TC DL	10.0 PSF	DATE 03/02/10
BC DL	10.0 PSF	DRW HCUSR8228 10061038
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 91502
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TZR8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - BS1)

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

End verticals not exposed to wind pressure.

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

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

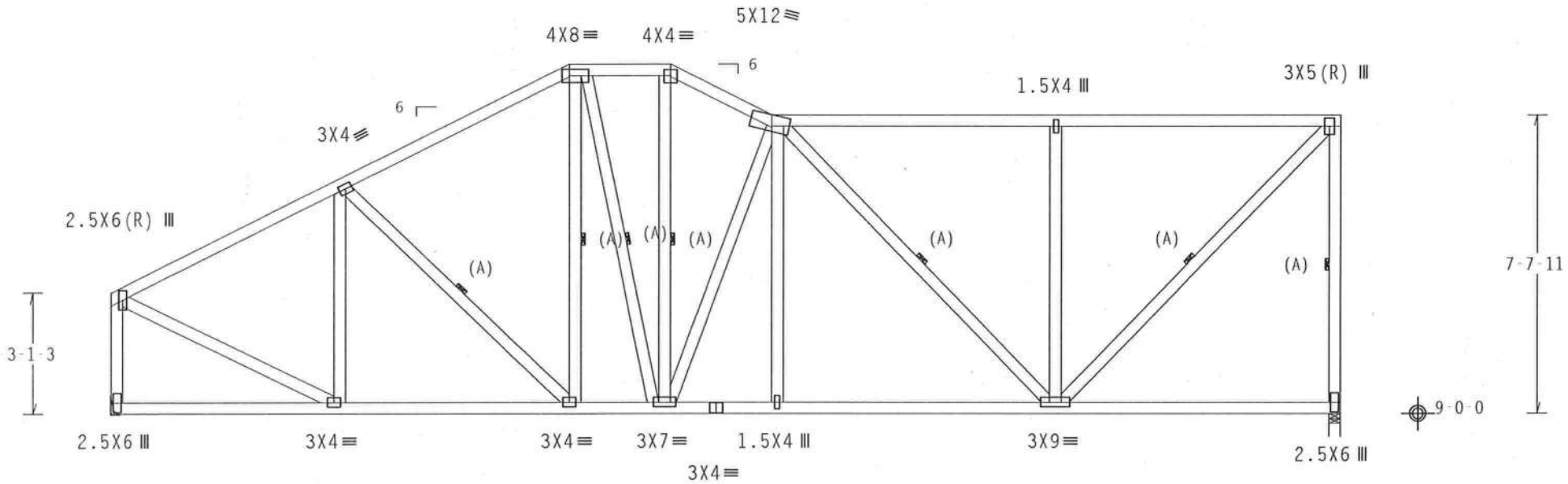
110 mph wind, 15.01 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

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

MWFRS loads based on trusses located at least 15.01 ft. from roof edge.



R=1294 U=151
RL=142/-75 H=Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2) 1.50x 5.50 SolidSawn

R=1294 U=294 W=3.5"

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 =.25"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL [illegible]0278

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar [illegible]

TC LL	20.0 PSF	REF	R8228- 47414
TC DL	10.0 PSF	DATE	03/02/10
BC DL	10.0 PSF	DRW	HCUSR8228 10061050
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	91512
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZR8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - BS2)

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

End verticals not exposed to wind pressure.

(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 15.02 ft. from roof edge.

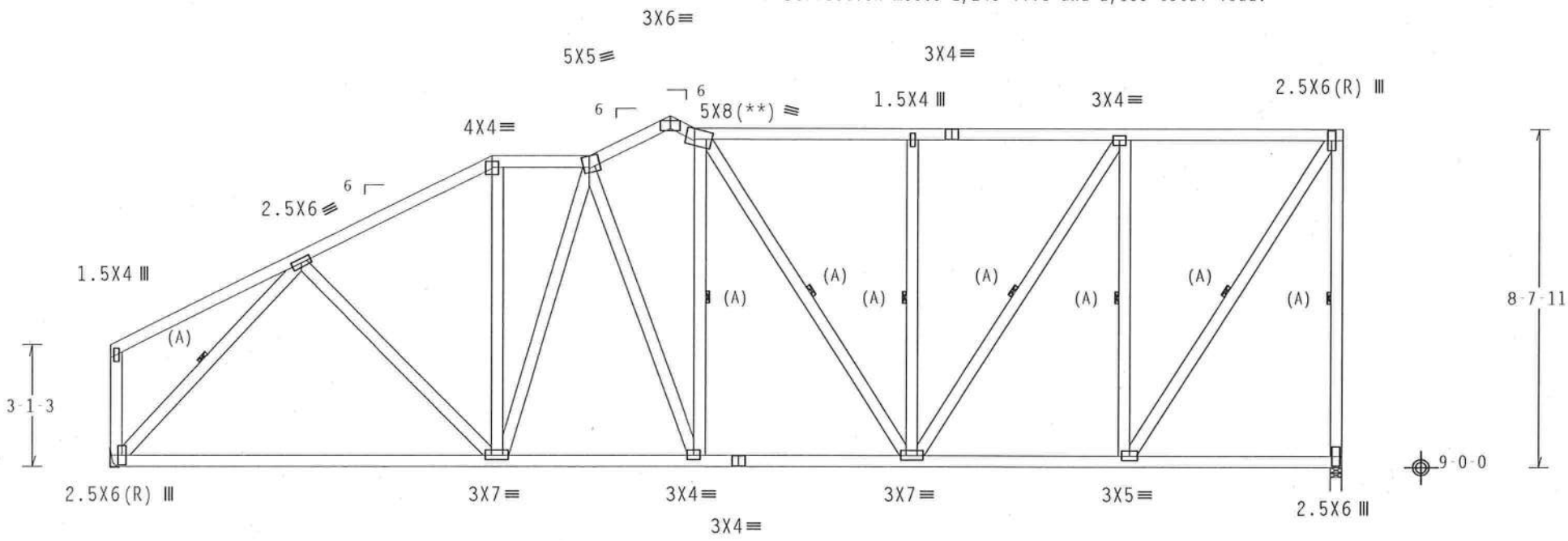
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

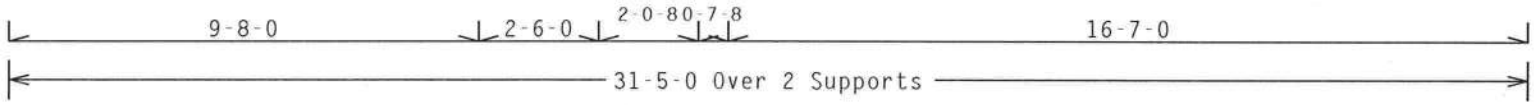
110 mph wind, 15.02 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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





R=1294 U=172
RL=134/-52 H=Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2) 1.50x 5.50 SolidSawn

R=1294 U=322 W=3.5"

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 =.25"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL [illegible] 0278

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TC LL	20.0 PSF	REF R8228- 47415
TC DL	10.0 PSF	DATE 03/02/10
BC DL	10.0 PSF	DRW HCUSR8228 10061039
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 91598
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TZR8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - BTG)

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2 :B4 2x6 SP #1 Dense:
Webs 2x4 SP #3

Special loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC - From 62 plf at 0.00 to 62 plf at 16.33
TC - From 62 plf at 16.33 to 62 plf at 20.58
TC - From 62 plf at 20.58 to 62 plf at 36.92
BC - From 20 plf at 0.00 to 20 plf at 8.23
BC - From 20 plf at 8.23 to 20 plf at 20.19
BC - From 20 plf at 20.19 to 20 plf at 36.92
PLB- 4999 LB Conc. Load at (31.54, 9.04)
PLB- 574 LB Conc. Load at (33.69, 9.04)
PLB- 557 LB Conc. Load at (35.69, 9.04)
PLB- 586 LB Conc. Load at (36.02, 9.04)

Wind reactions based on MWFRS pressures.

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

2 COMPLETE TRUSSES REQUIRED

Nail Schedule:0.131"x3" nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 8.25" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

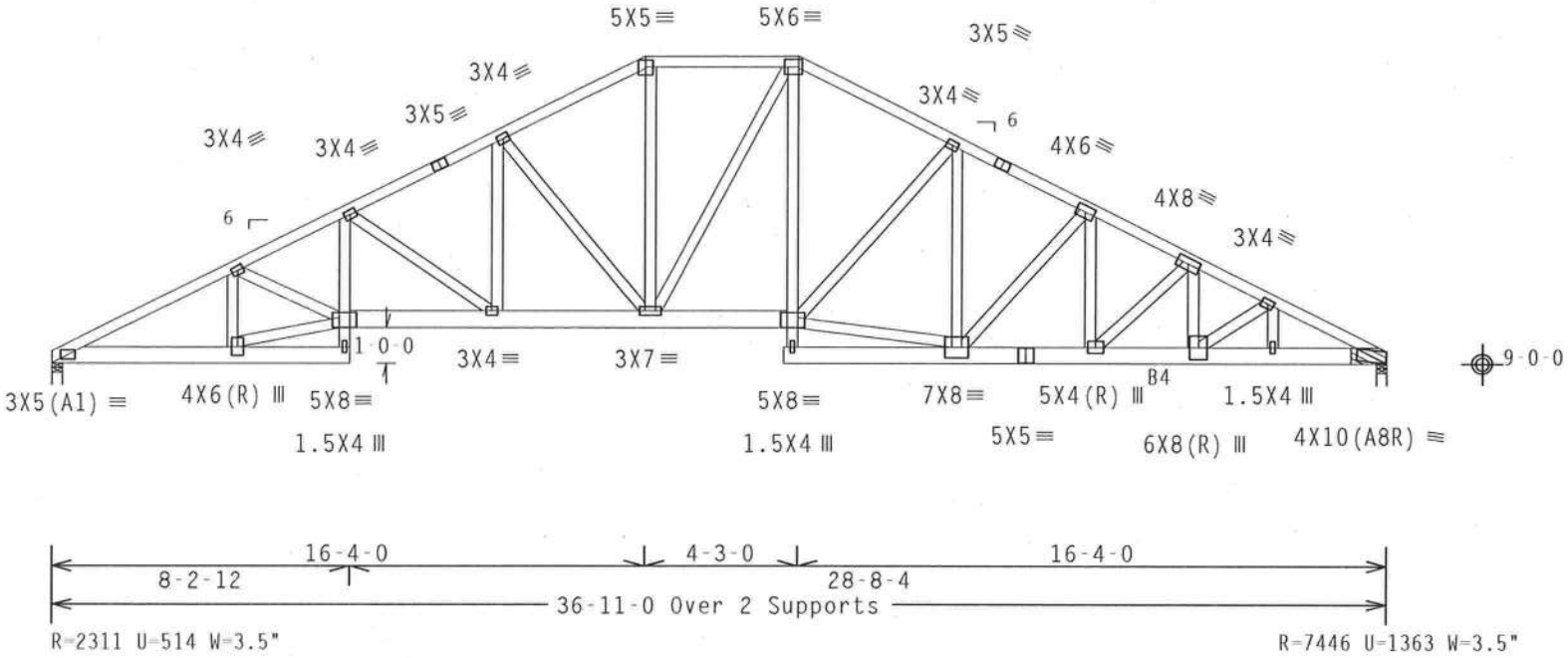
Brg blocks:0.131"x3" nails

brg	x-loc	#blocks	length/blk	#nails/blk	wall plate
2	36.625'	1	12"	5	Rigid Surface

Brg block to be same size and species as bottom chord.
Refer to drawing CNNAILSP0109 for more information.

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

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

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

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar [illegible] 10

TC LL	20.0 PSF	REF	R8228- 47416
TC DL	10.0 PSF	DATE	03/02/10
BC DL	10.0 PSF	DRW	HCUSR8228 10061059
BC LL	0.0 PSF		HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN-	91810
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T7R8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - H9BT)

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.

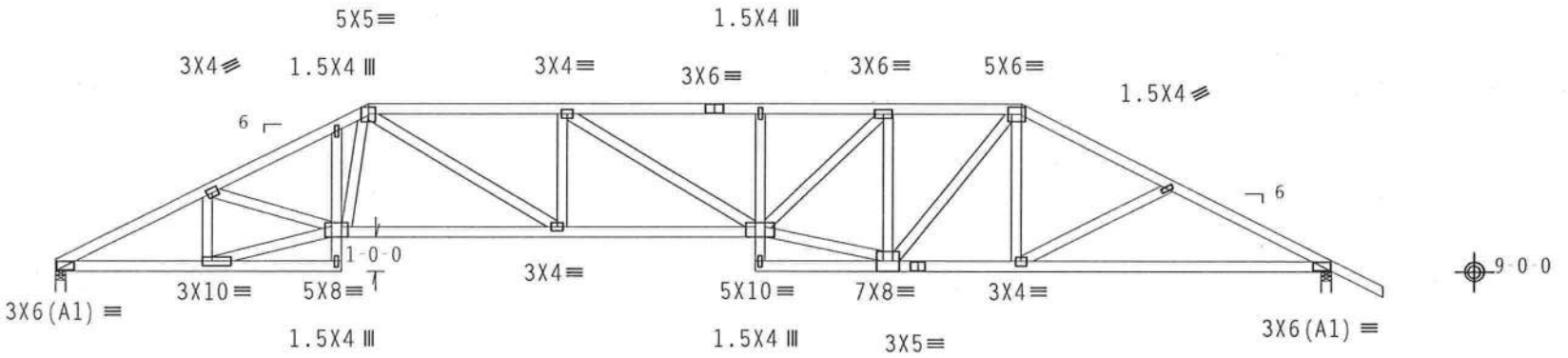
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

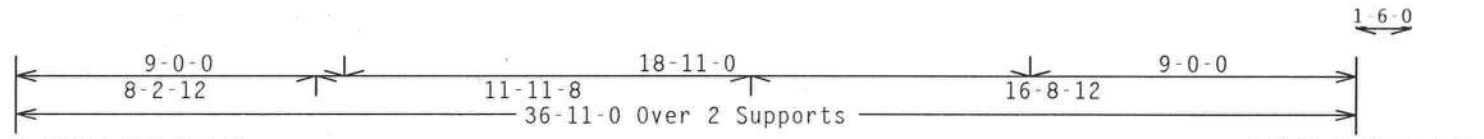
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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





R=1518 U=394 W=3.5"
RL=172/-160

R=1623 U=432 W=3.5"

Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00.061 6 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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

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JAMES F. COLLINS, JR. LICENSEE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar

TC LL	20.0 PSF	REF	R8228- 47417
TC DL	10.0 PSF	DATE	03/02/10
BC DL	10.0 PSF	DRW	HCUSR8228 10061021
BC LL	0.0 PSF	HC-ENG	JB/AP *
TOT.LD.	40.0 PSF	SEQN-	91454
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T7R8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - H11BT)

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.

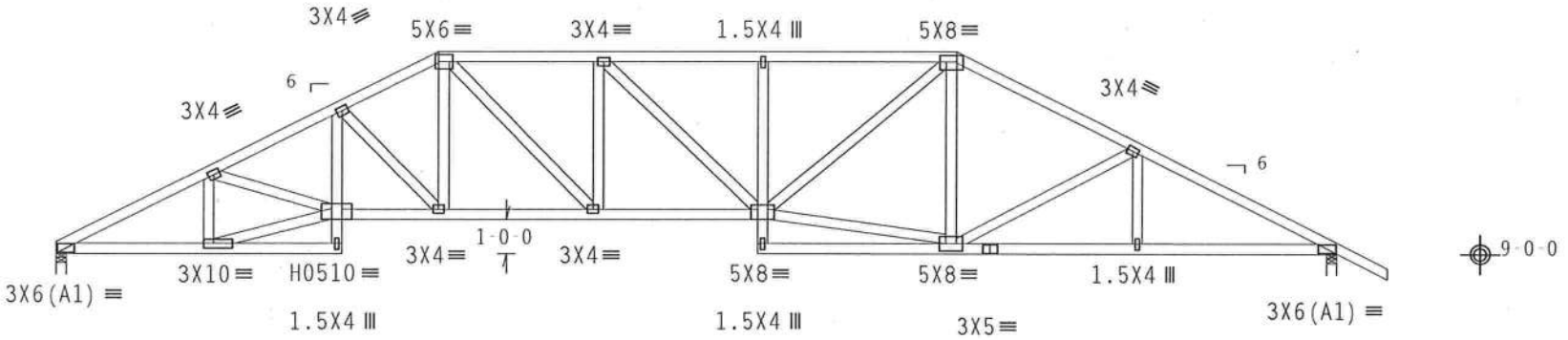
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

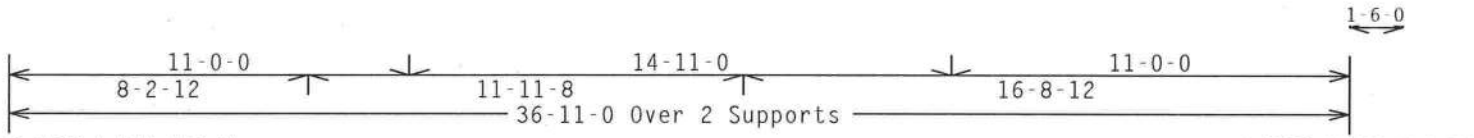
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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





R=1518 U=392 W=3.5"
RL=204/-191

R=1623 U=430 W=3.5"

Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. 20 Gauge HS,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
FI 0278

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 02 10

TC LL	20.0 PSF	REF	R8228- 47418
TC DL	10.0 PSF	DATE	03/02/10
BC DL	10.0 PSF	DRW	HCUSR8228 10061022
BC LL	0.0 PSF	HC-ENG	JB/AP *
TOT.LD.	40.0 PSF	SEQN-	91477
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T7R8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - H13BT)

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

Roof overhang supports 2.00 psf soffit load.

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

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

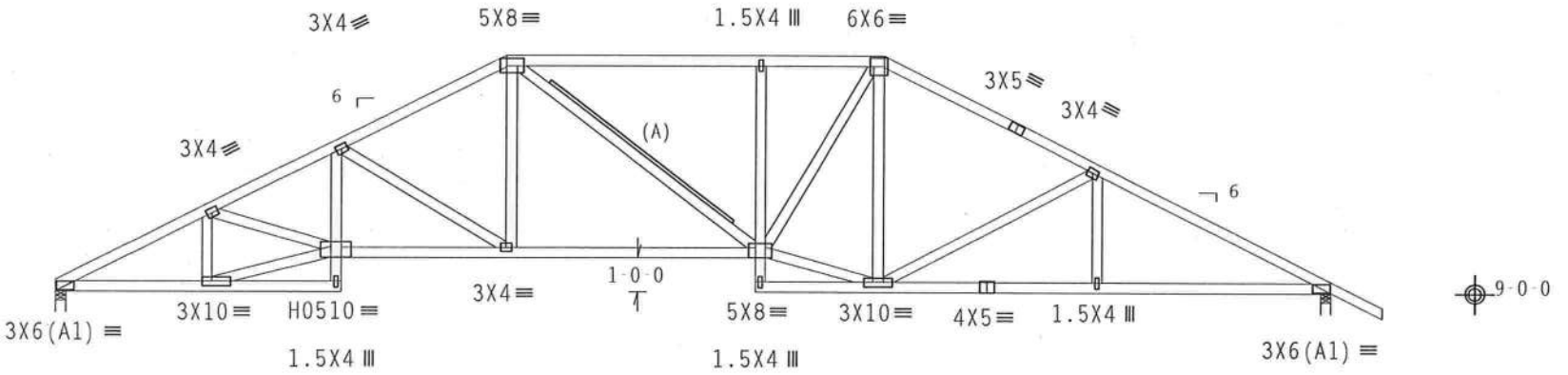
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

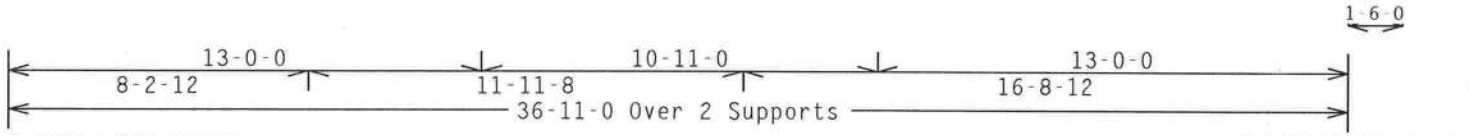
Wind reactions based on MWFRS pressures.

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

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

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





R=1518 U=389 W=3.5"
RL=236/-223

R=1623 U=427 W=3.5"

Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. 20 Gauge HS,Wave FT/RT=10%(0%)/0(0) 9.02.00.061 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL [illegible]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.

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Mar [illegible]

TC LL	20.0 PSF	REF	R8228- 47419
TC DL	10.0 PSF	DATE	03/02/10
BC DL	10.0 PSF	DRW	HCUSR8228 10061023
BC LL	0.0 PSF	HC-ENG	JB/AP *
TOT.LD.	40.0 PSF	SEQN-	91484
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T7R8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - H15BT)

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

Roof overhang supports 2.00 psf soffit load.

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

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

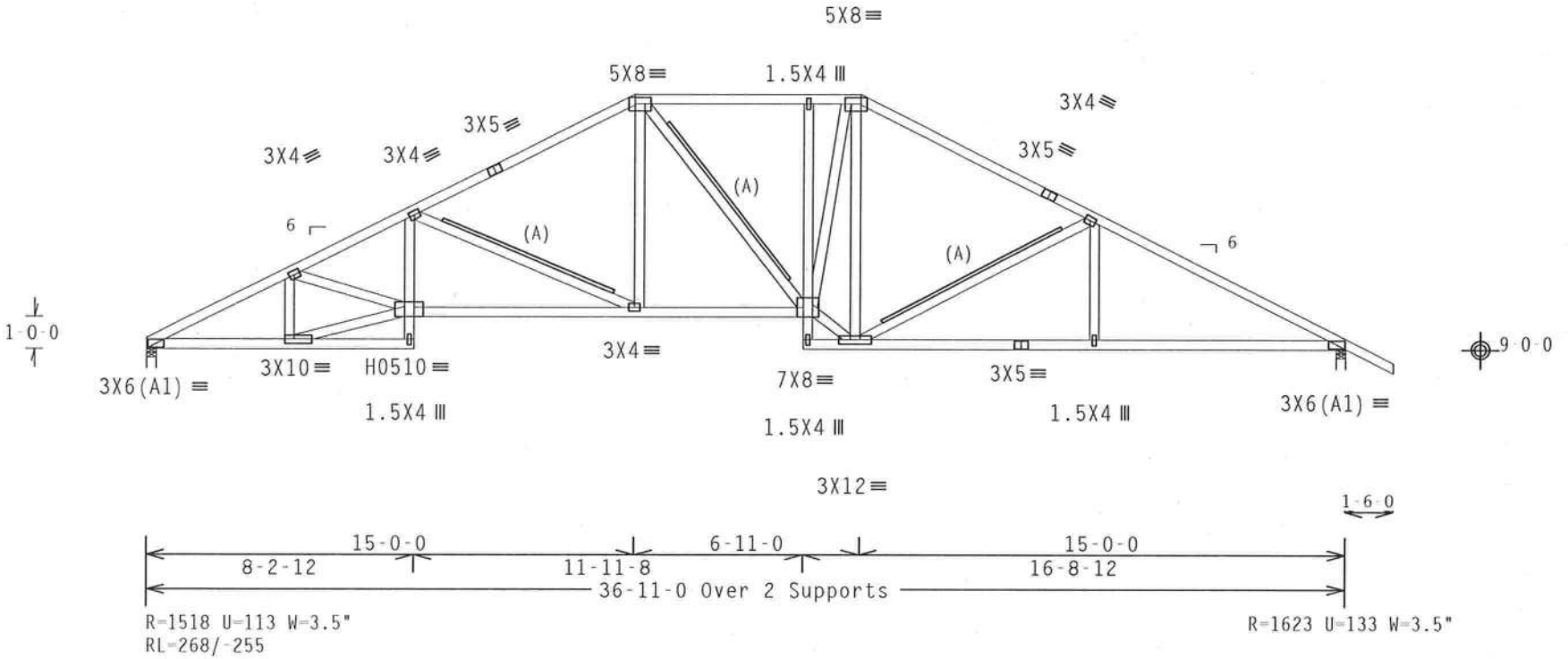
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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

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



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. 20 Gauge HS,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
FI 0278

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JAMES F. JOLLIFF, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar [illegible] 10

TC LL	20.0 PSF	REF R8228- 47420
TC DL	10.0 PSF	DATE 03/02/10
BC DL	10.0 PSF	DRW HCUSR8228 10061024
BC LL	0.0 PSF	HC-ENG JB/AP *
TOT.LD.	40.0 PSF	SEQN- 91495
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T7R8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - H7C)

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

Roof overhang supports 2.00 psf soffit load.

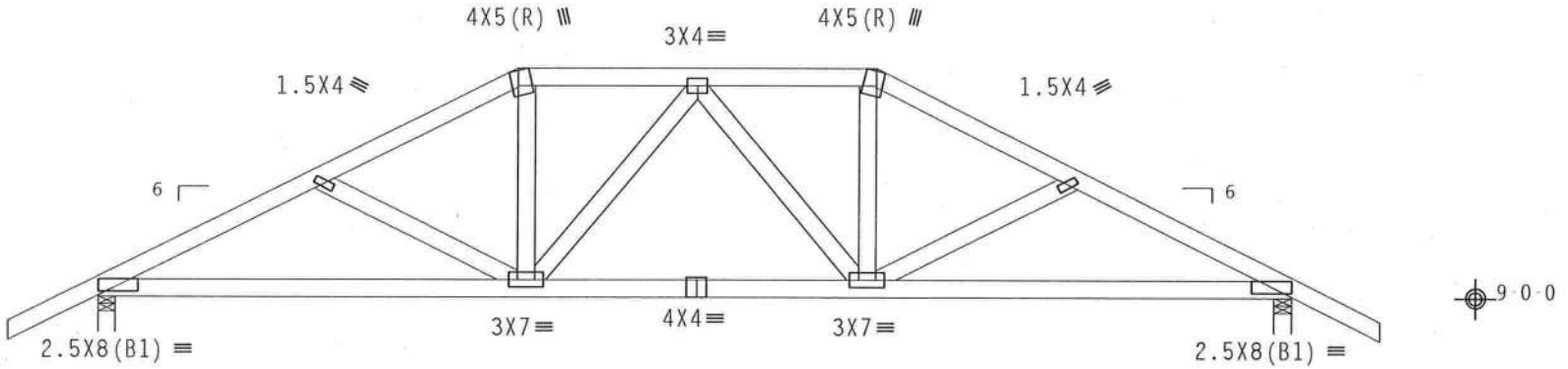
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

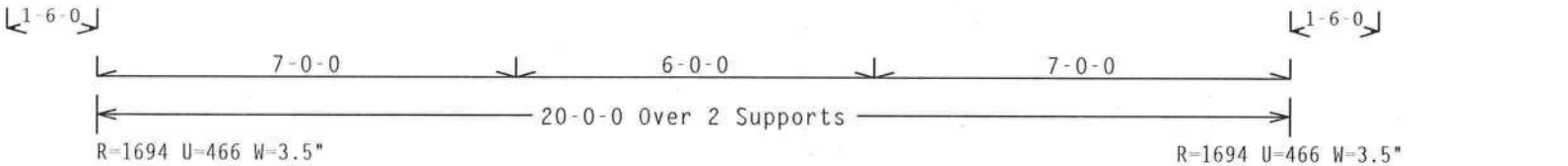
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

#1 hip supports 7-0-0 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 =.3125"/Ft.

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

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JAMES R. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 02 10

TC LL	20.0 PSF	REF R8228- 47421
TC DL	10.0 PSF	DATE 03/02/10
BC DL	10.0 PSF	DRW HCUSR8228 10061051
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 91328
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T7R8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - H9C)

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.

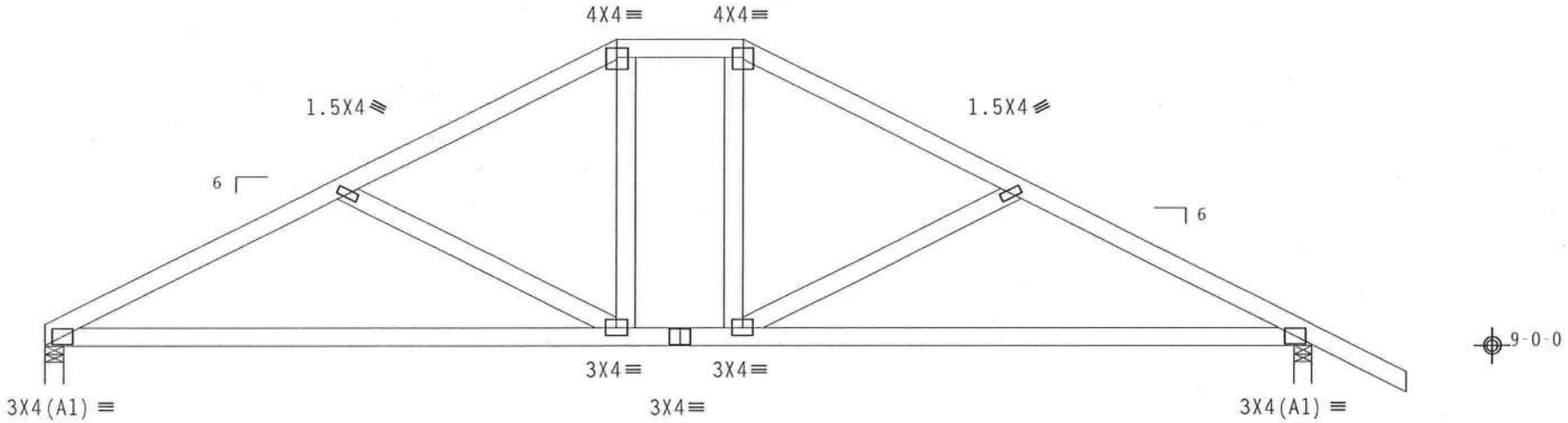
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

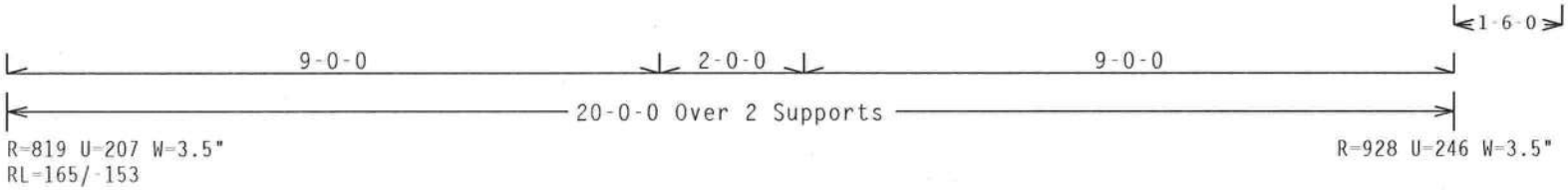
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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
FI #0278

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JAMES R. FOLLINS, JR. LICENSED No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 02 10

TC LL	20.0 PSF	REF	R8228- 47422
TC DL	10.0 PSF	DATE	03/02/10
BC DL	10.0 PSF	DRW	HCUSR8228 10061025
BC LL	0.0 PSF	HC-ENG	JB/AP *
TOT.LD.	40.0 PSF	SEQN-	91339
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZR8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - C)

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

Roof overhang supports 2.00 psf soffit load.

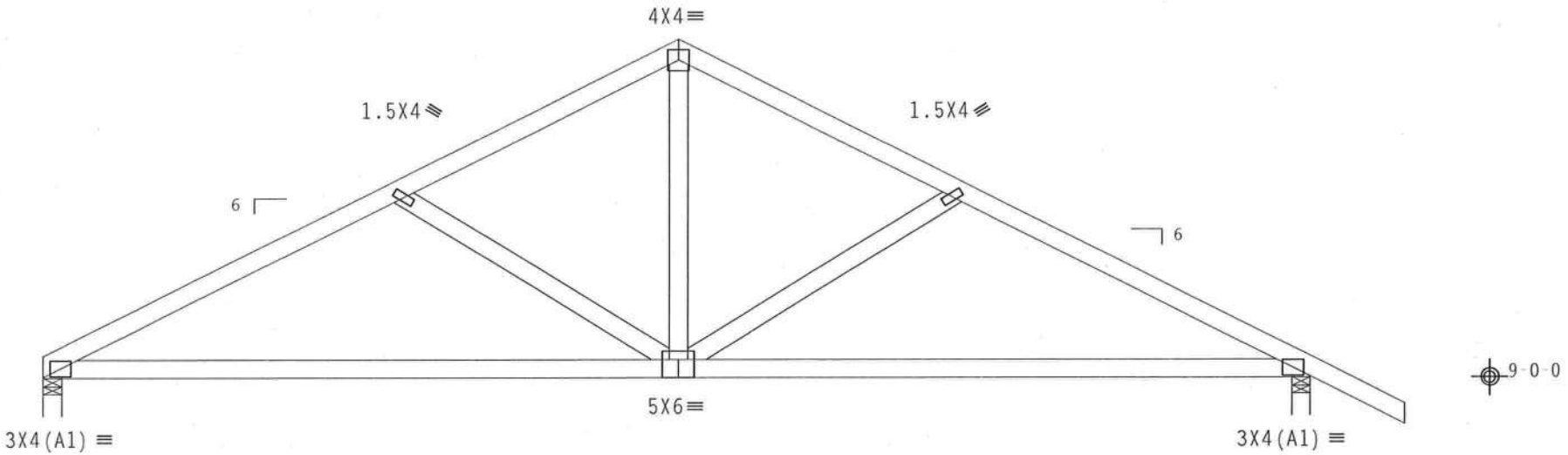
Bottom chord checked for 10.00 psf non-concurrent live load.

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.

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) 9.02.00.06 QTY:4 FL/-/4/-/-/R/- Scale =.375"/Ft.

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

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 02,10

TC LL	20.0 PSF	REF	R8228- 47423
TC DL	10.0 PSF	DATE	03/02/10
BC DL	10.0 PSF	DRW	HCUSR8228 10061026
BC LL	0.0 PSF	HC-ENG	JB/AP *
TOT.LD.	40.0 PSF	SEQN-	91347
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZR8228Z05

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

Left end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

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

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

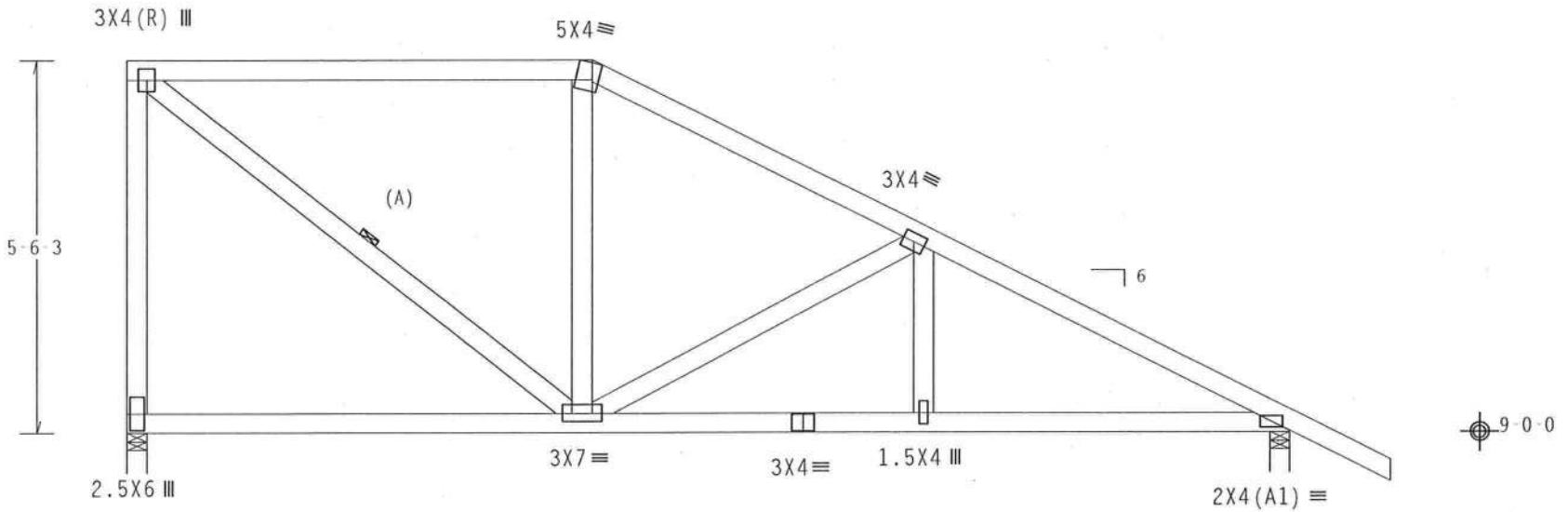
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

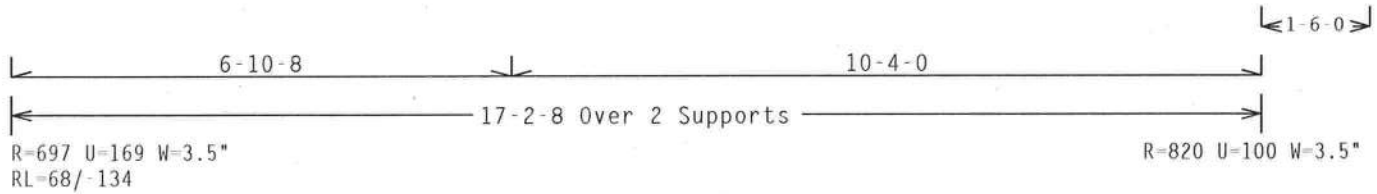
Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

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
FI 0278

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JAMES F. COLLINS, JR. LICENSE
No. 52212
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Mar 02, 10

TC LL	20.0 PSF	REF	R8228- 47424
TC DL	10.0 PSF	DATE	03/02/10
BC DL	10.0 PSF	DRW	HCUSR8228 10061027
BC LL	0.0 PSF	HC-ENG	JB/AP *
TOT.LD.	40.0 PSF	SEQN-	91357
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZR8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - CH2)

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

Left end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

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

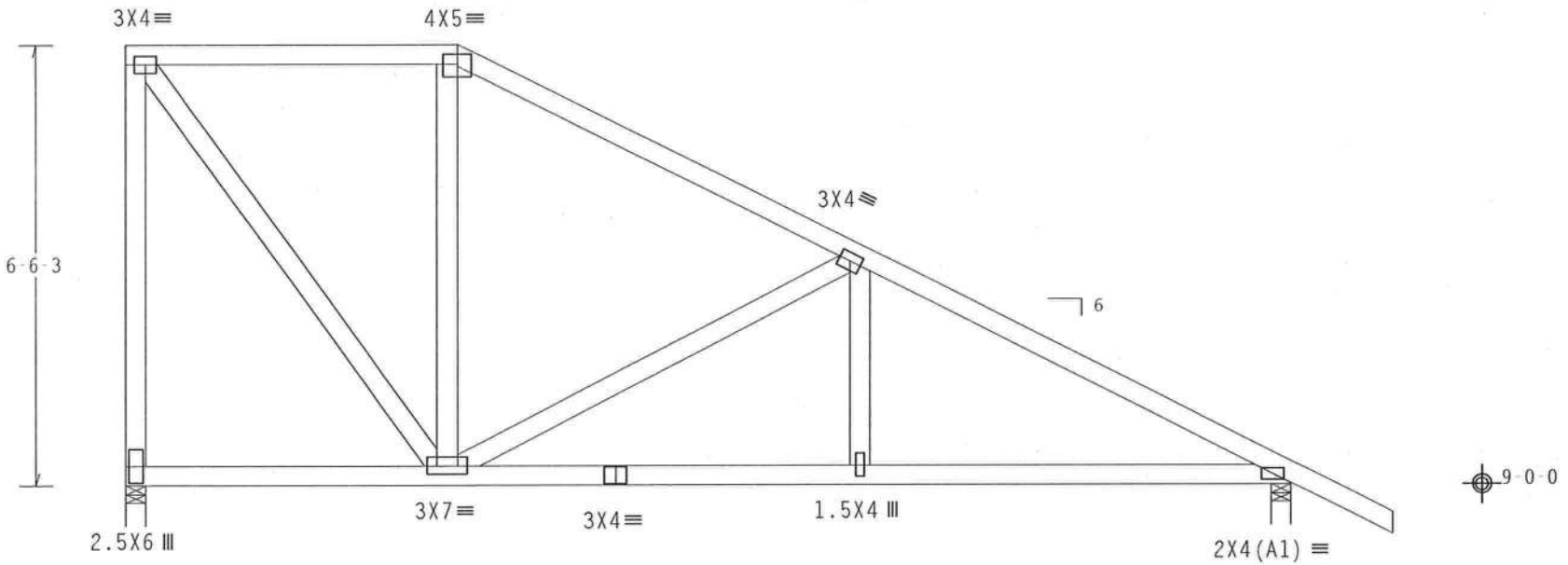
MWFRS loads based on trusses located at least 15.00 ft. from roof edge.

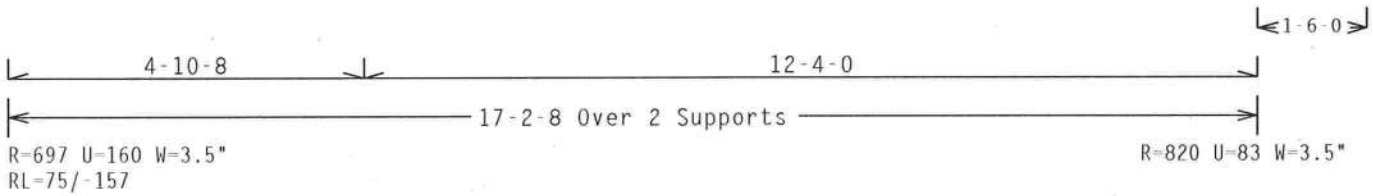
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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) 9.02.00.061 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

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

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JAMES F. COLLINS, JR. LICENSED No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 02,10

TC LL	20.0 PSF	REF R8228- 47425
TC DL	10.0 PSF	DATE 03/02/10
BC DL	10.0 PSF	DRW HCUSR8228 10061028
BC LL	0.0 PSF	HC-ENG JB/AP *
TOT.LD.	40.0 PSF	SEQN- 91366
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TZR8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - CH3)

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

Left end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

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

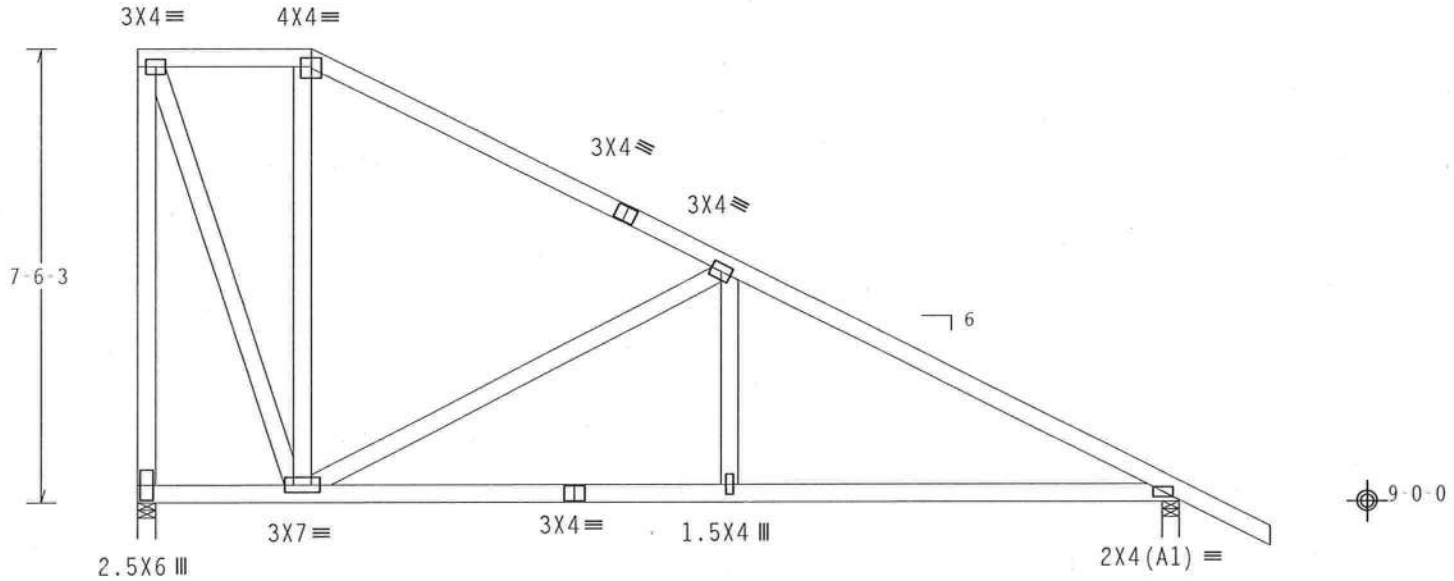
MWFRS loads based on trusses located at least 15.00 ft. from roof edge.

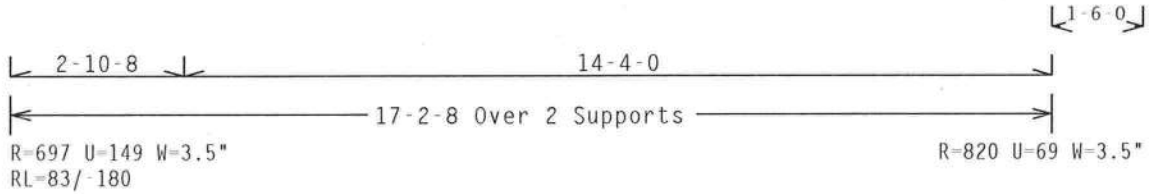
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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 =.3125"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL 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 CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 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.

JAMES F. COLLINS JR. VICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Mar 02 10

TC LL	20.0 PSF	REF	R8228- 47426
TC DL	10.0 PSF	DATE	03/02/10
BC DL	10.0 PSF	DRW	HCUSR8228 10061029
BC LL	0.0 PSF	HC-ENG	JB/AP *
TOT.LD.	40.0 PSF	SEQN-	91377
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T7R8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - DGE)

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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

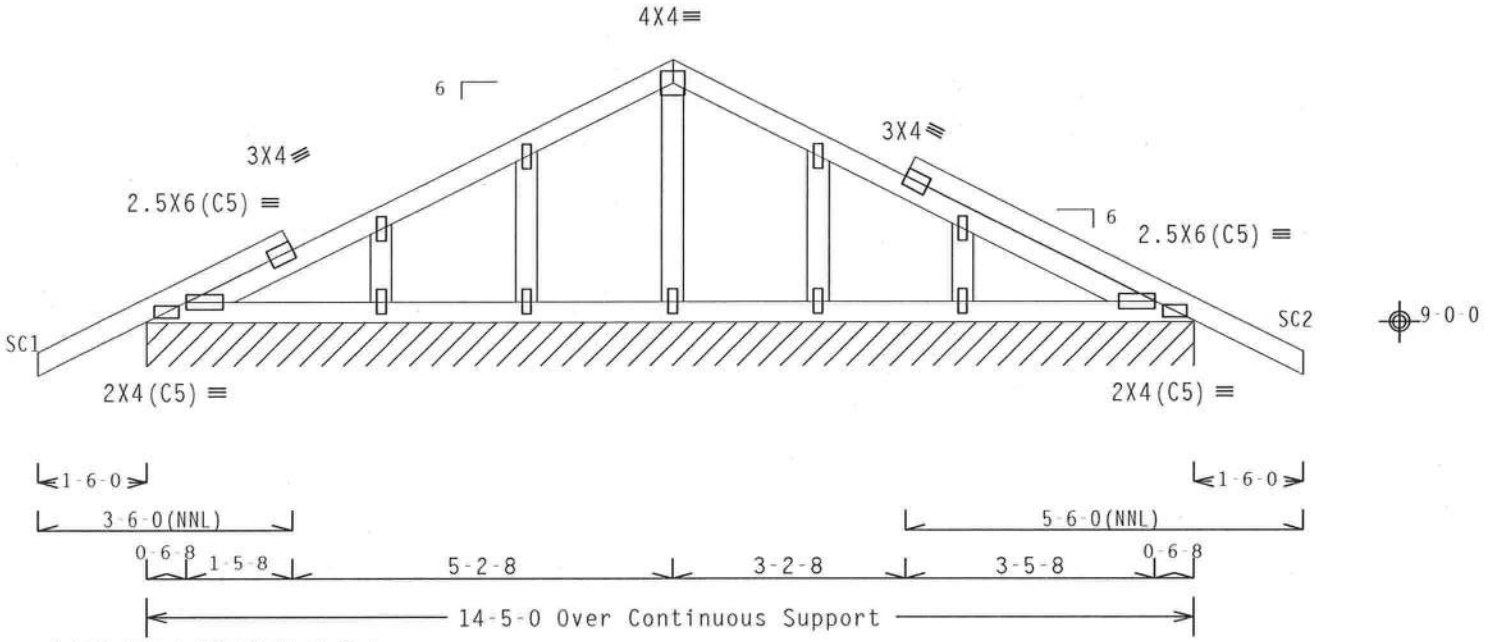
Wind reactions based on MWFRS pressures.

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.



R=116 PLF U=37 PLF W=14-5-0
RL=12/-12 PLF

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00.061 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL 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 (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.

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 02,10

TC LL	20.0 PSF	REF R8228- 47427
TC DL	10.0 PSF	DATE 03/02/10
BC DL	10.0 PSF	DRW HCUSR8228 10061052
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 91392
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T7R8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - D)

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

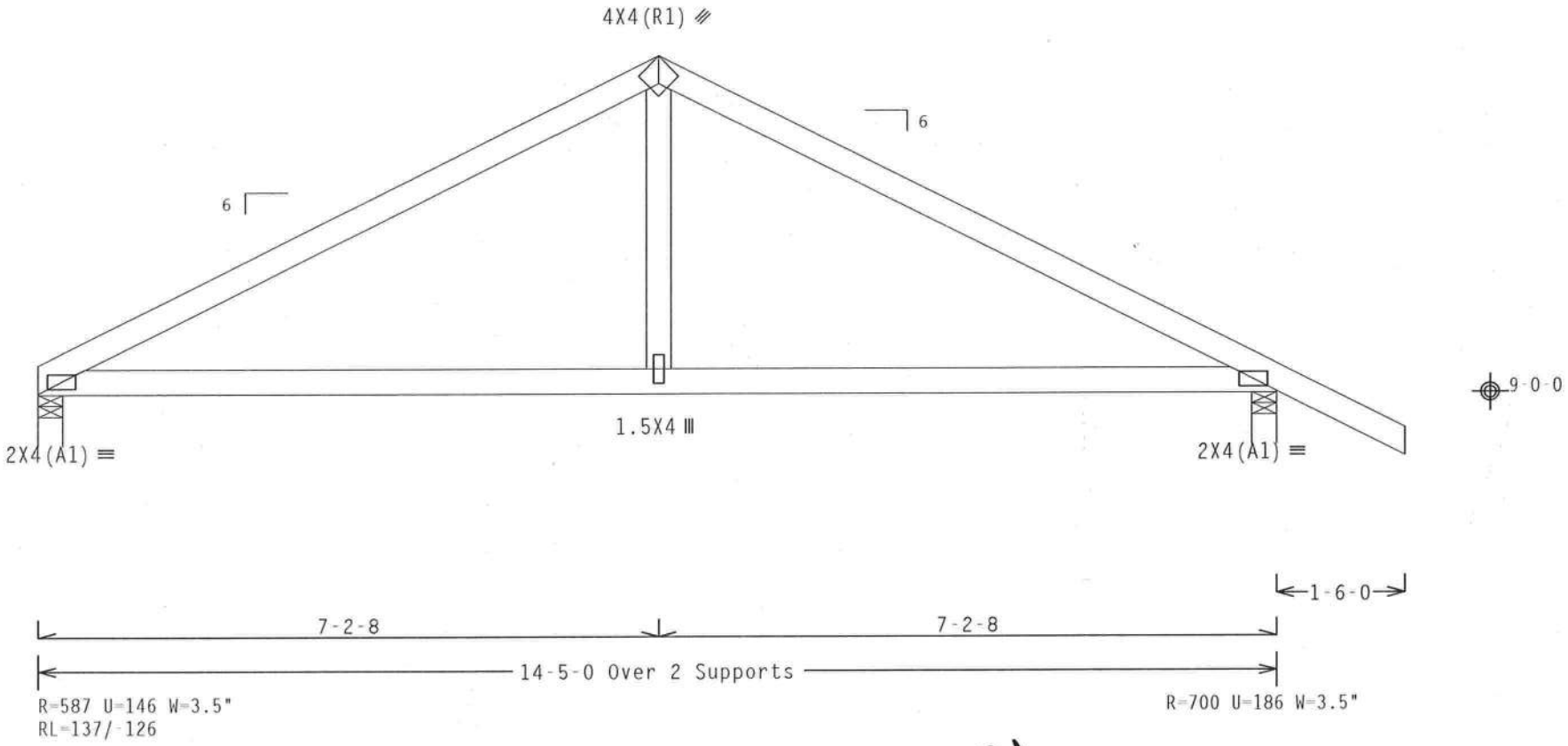
Roof overhang supports 2.00 psf soffit load.

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

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

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL [illegible]0278

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Ma[illegible]

TC LL	20.0 PSF	REF R8228- 47428
TC DL	10.0 PSF	DATE 03/02/10
BC DL	10.0 PSF	DRW HCUSR8228 10061030
BC LL	0.0 PSF	HC-ENG JB/AP *
TOT.LD.	40.0 PSF	SEQN- 91395
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TZR8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - D)

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

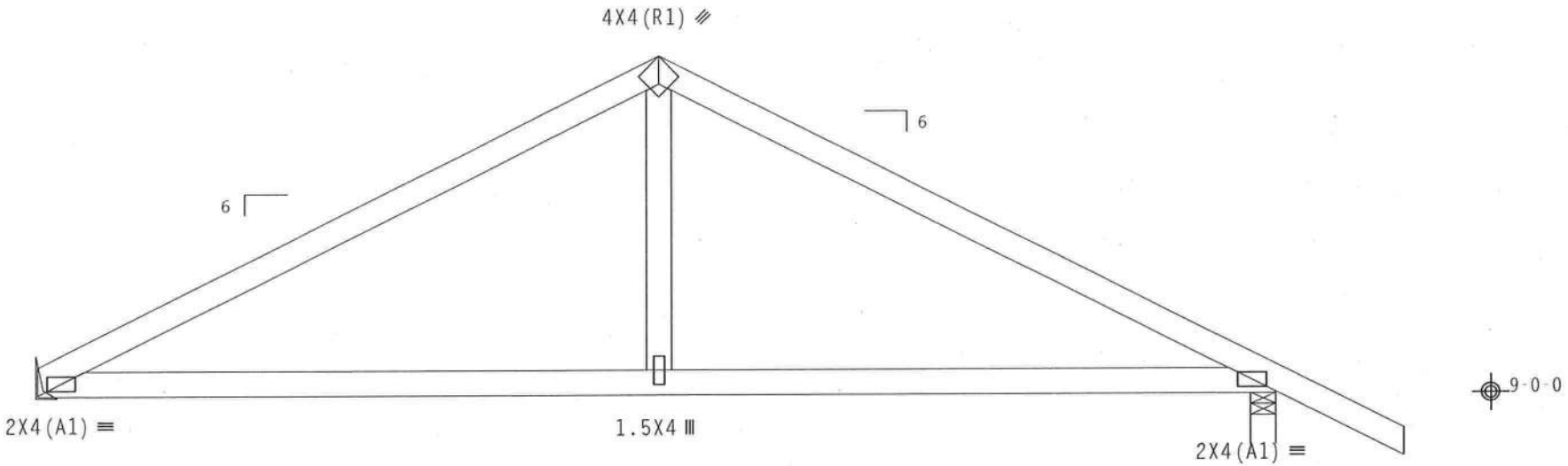
Roof overhang supports 2.00 psf soffit load.

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.

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



R=586 U=146
RL=137/-126 H=Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2) 1.50x 5.50 SolidSawn Design Crit: FBC2007Res/TPI-2002(STD)

R=701 U=186 W=3.5"

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00.06 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 02 10

TC LL	20.0 PSF	REF	R8228- 47429
TC DL	10.0 PSF	DATE	03/02/10
BC DL	10.0 PSF	DRW	HCUSR8228 10061040
BC LL	0.0 PSF		HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN-	91399
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZR8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - E)

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

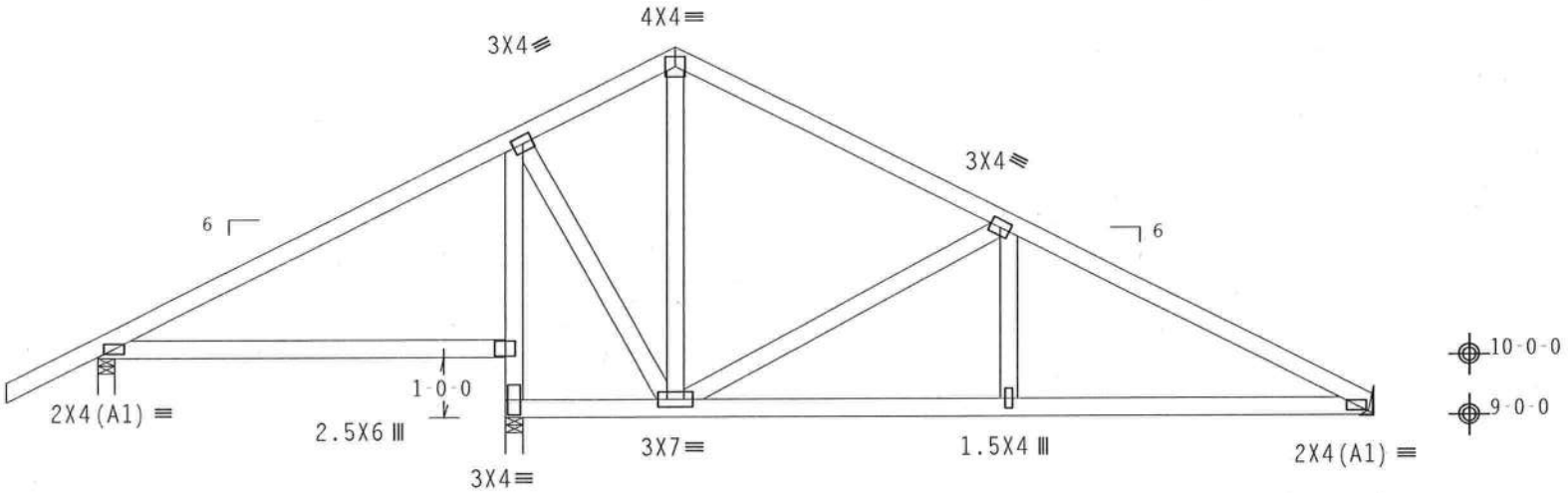
Roof overhang supports 2.00 psf soffit load.

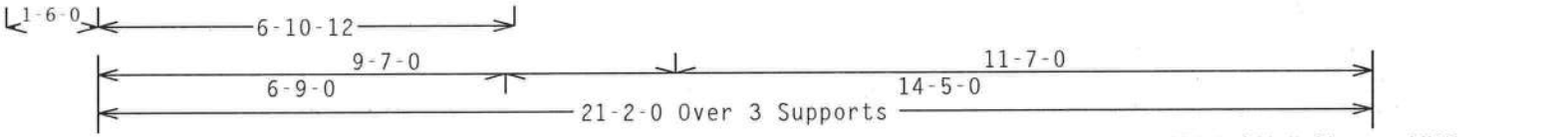
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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





R=364 U=138 W=3.5"
RL=170/-196

R=906 U=173 W=3.5"

R=574 U=162 H=Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2) 1.50x 5.50 SolidSawn

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 =.3125"/Ft.

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

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar

TC LL	20.0 PSF	REF	R8228- 47430
TC DL	10.0 PSF	DATE	03/02/10
BC DL	10.0 PSF	DRW	HCUSR8228 10061041
BC LL	0.0 PSF		HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN-	91407
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZR8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - EGE)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W4 2x4 SP #2 Dense:
:Stack Chord SC1 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.

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

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

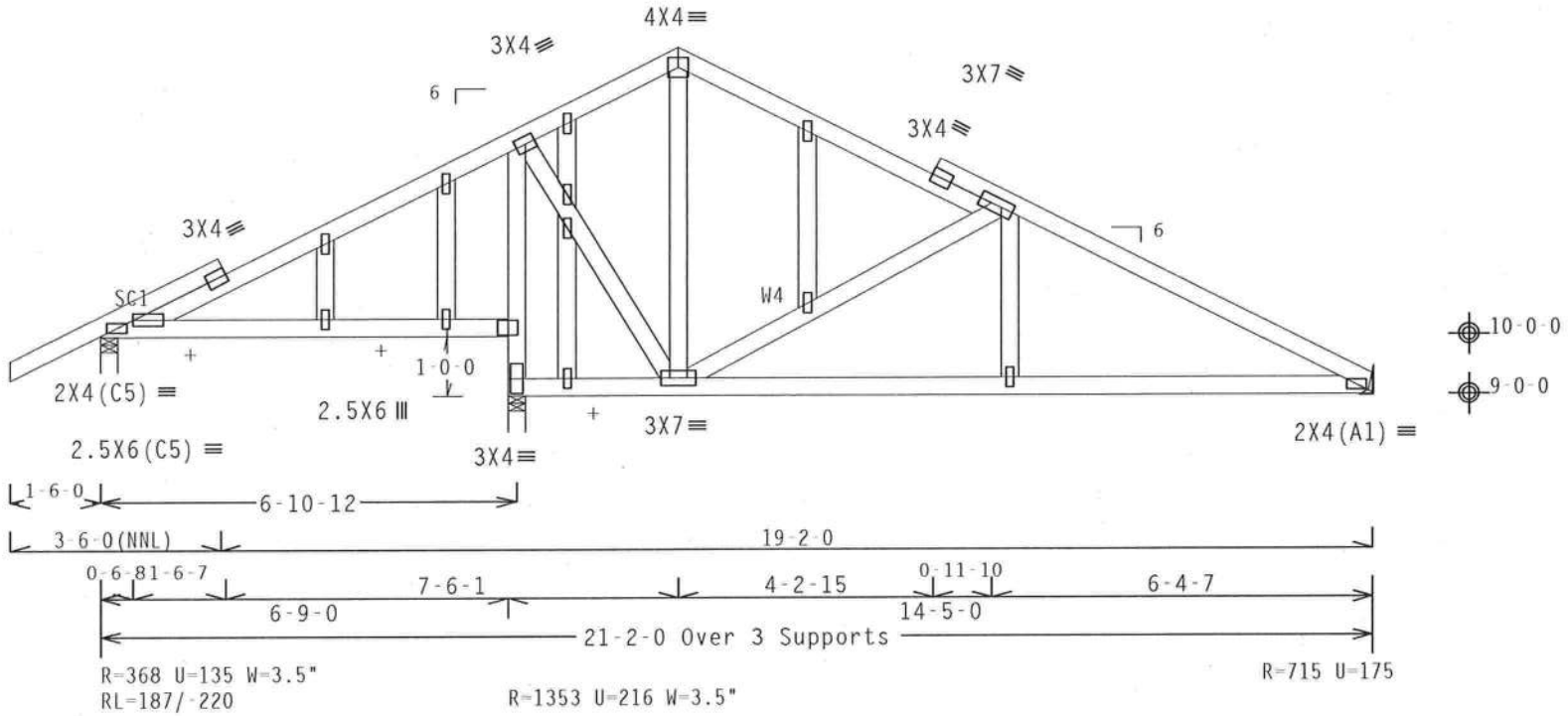
Wind reactions based on MWFRS pressures.

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.

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

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

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



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

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

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Mar

TC LL	20.0 PSF	REF	R8228- 47431
TC DL	10.0 PSF	DATE	03/02/10
BC DL	10.0 PSF	DRW	HCUSR8228 10061053
BC LL	0.0 PSF		HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN-	91423
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZR8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - EG)

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 62 plf at 0.00 to 62 plf at 2.83
TC - From 62 plf at 2.83 to 62 plf at 14.42
BC - From 20 plf at 0.00 to 20 plf at 14.42
BC - 1513 lb Conc. Load at 0.48 , 2.48, 4.48
BC - 1294 lb Conc. Load at 6.48 , 8.48
BC - 1406 lb Conc. Load at 10.48 , 12.48

Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

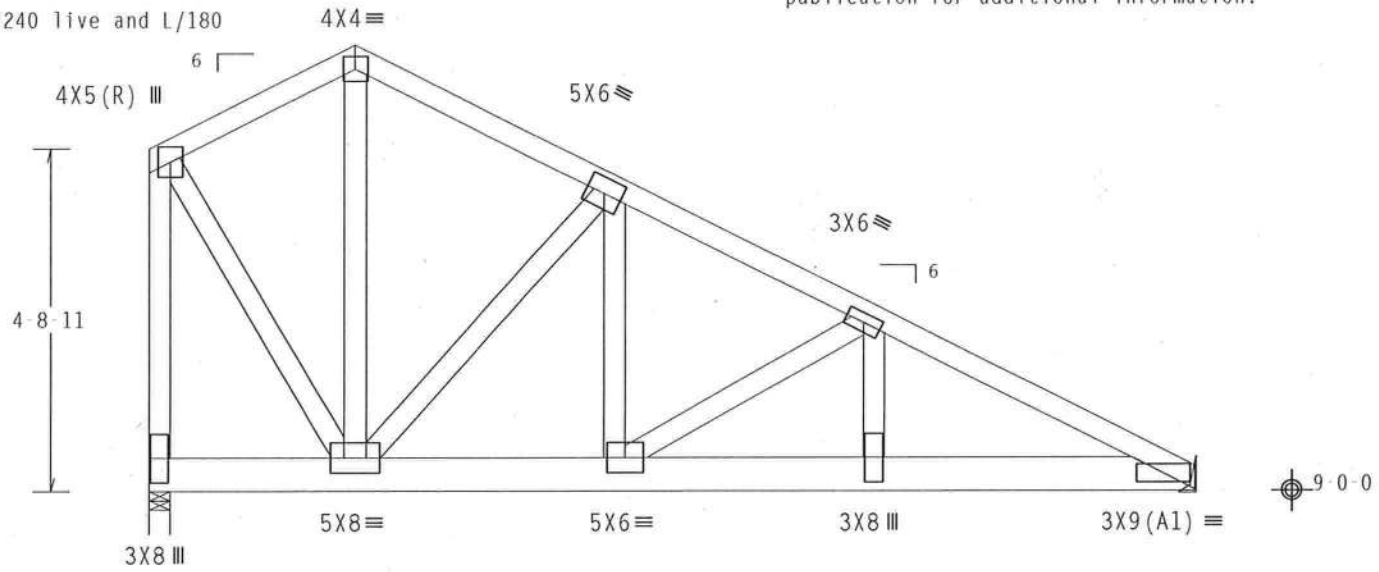
Deflection meets L/240 live and L/180 total load.

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

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.



2-10-0 | 11-7-0

14-5-0 Over 2 Supports

R=6128 U=798 W=3.5"

R=4999 U=573 H=Simpson HGUS28-2
w/ (6) 16d Common, 0.162"x3.5" nails in Truss
w/ (36) 16d Common, 0.162"x3.5" nails in Girder
Girder is (2) 1.50x 7.25 SP SolidSawn

Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00.061 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

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

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JAMES H. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar (2) 10

TC LL	20.0 PSF	REF	R8228- 47432
TC DL	10.0 PSF	DATE	03/02/10
BC DL	10.0 PSF	DRW	HCUSR8228 10061054
BC LL	0.0 PSF		HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN-	91742
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZR8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - H7F)

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

Roof overhang supports 2.00 psf soffit load.

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

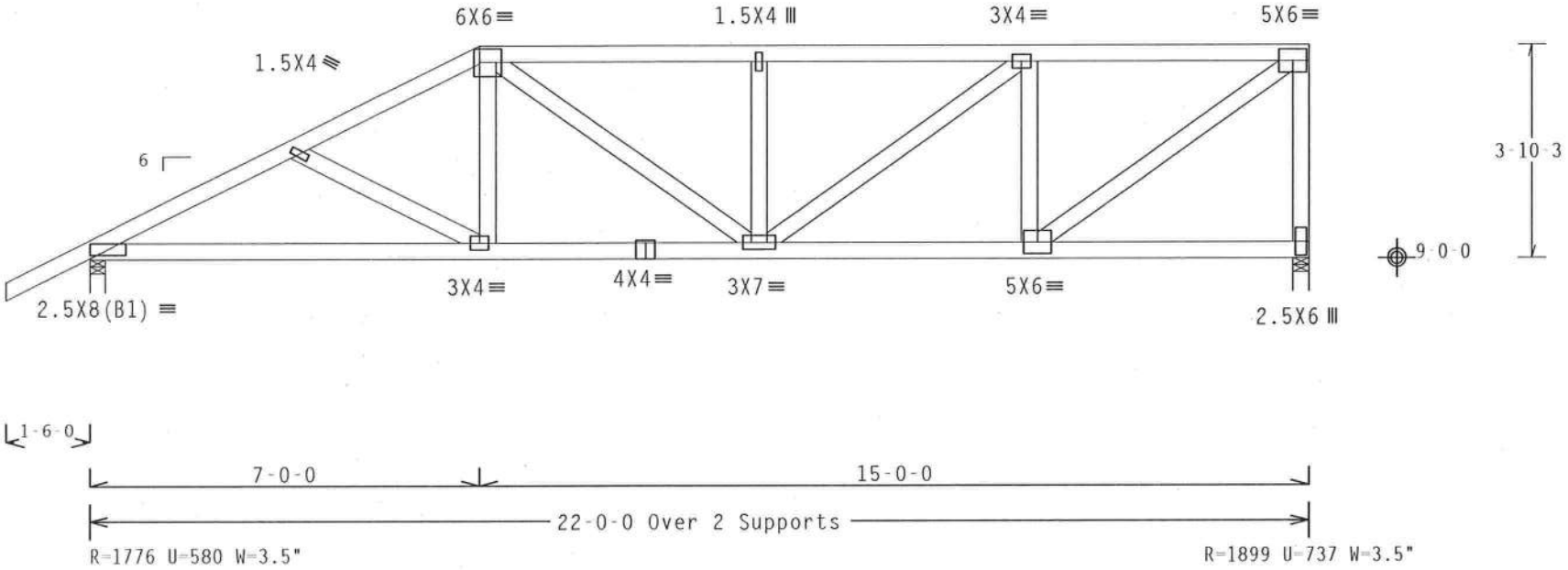
Deflection meets L/240 live and L/180 total load.

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.

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



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave | FT/RT=10%(0%)/0(0) | 9.02.00 | QTY:1 | FL/-/4/-/-/R/- | Scale =.3125"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL [illegible]0 278

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JAMES F. COLLINS JR. LICENSE No. 52218 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 02 10

TC LL	20.0 PSF	REF	R8228- 47433
TC DL	10.0 PSF	DATE	03/02/10
BC DL	10.0 PSF	DRW	HCUSR8228 10061055
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	91431
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZR8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - H9F)

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

Roof overhang supports 2.00 psf soffit load.

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

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

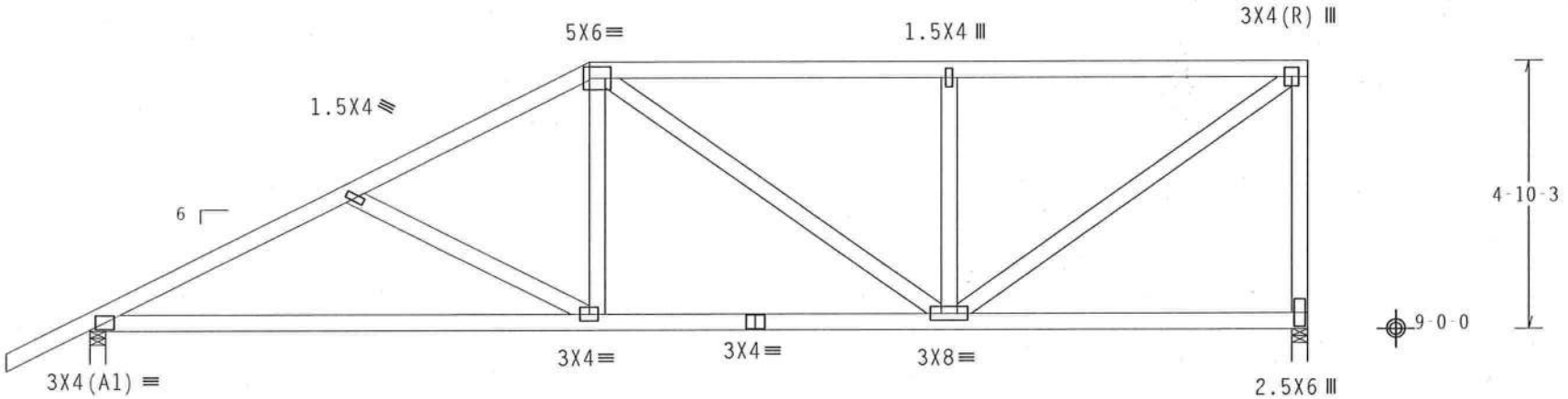
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

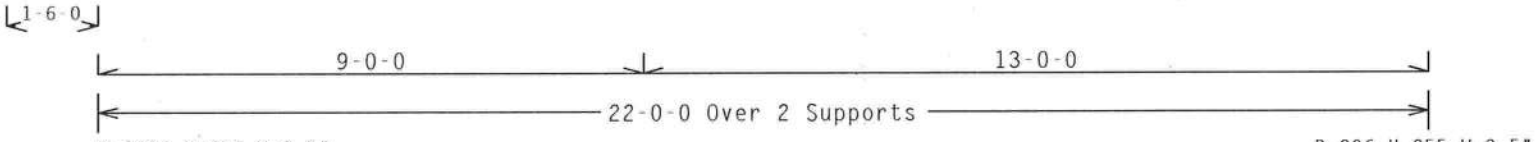
Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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

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

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar [illegible] 10

TC LL	20.0 PSF	REF	R8228- 47434
TC DL	10.0 PSF	DATE	03/02/10
BC DL	10.0 PSF	DRW	HCUSR8228 10061031
BC LL	0.0 PSF	HC-ENG	JB/AP *
TOT.LD.	40.0 PSF	SEQN-	91438
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZR8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - EJ7)

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

Roof overhang supports 2.00 psf soffit load.

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

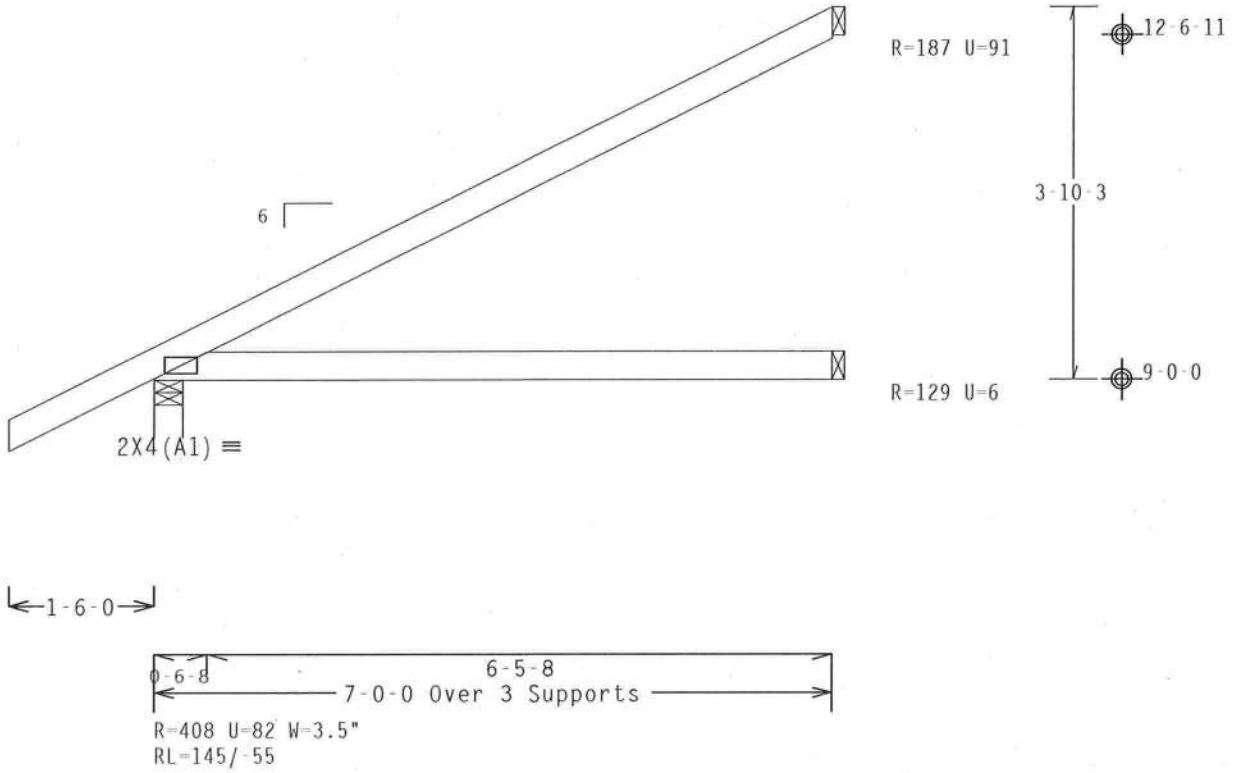
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

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.

Deflection meets L/240 live and L/180 total 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 QTY:25 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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JAMES H. COLLINS, JR. LICENSED No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 02 10

TC LL	20.0 PSF	REF	R8228- 47435
TC DL	10.0 PSF	DATE	03/02/10
BC DL	10.0 PSF	DRW	HCUSR8228 10061042
BC LL	0.0 PSF		HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN-	91233
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZR8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - CJ5)

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

Roof overhang supports 2.00 psf soffit load.

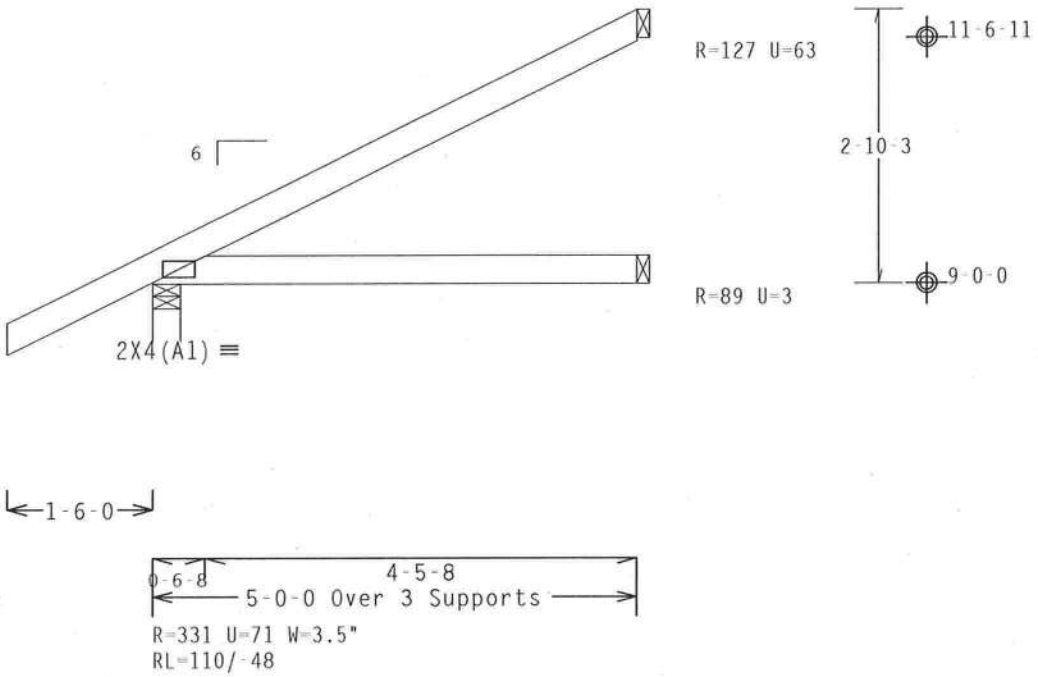
Bottom chord checked for 10.00 psf non-concurrent live load.

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

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

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JAMES P. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar

TC LL	20.0 PSF	REF	R8228- 47436
TC DL	10.0 PSF	DATE	03/02/10
BC DL	10.0 PSF	DRW	HCUSR8228 10061043
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	91239
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZR8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - HJ7)

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

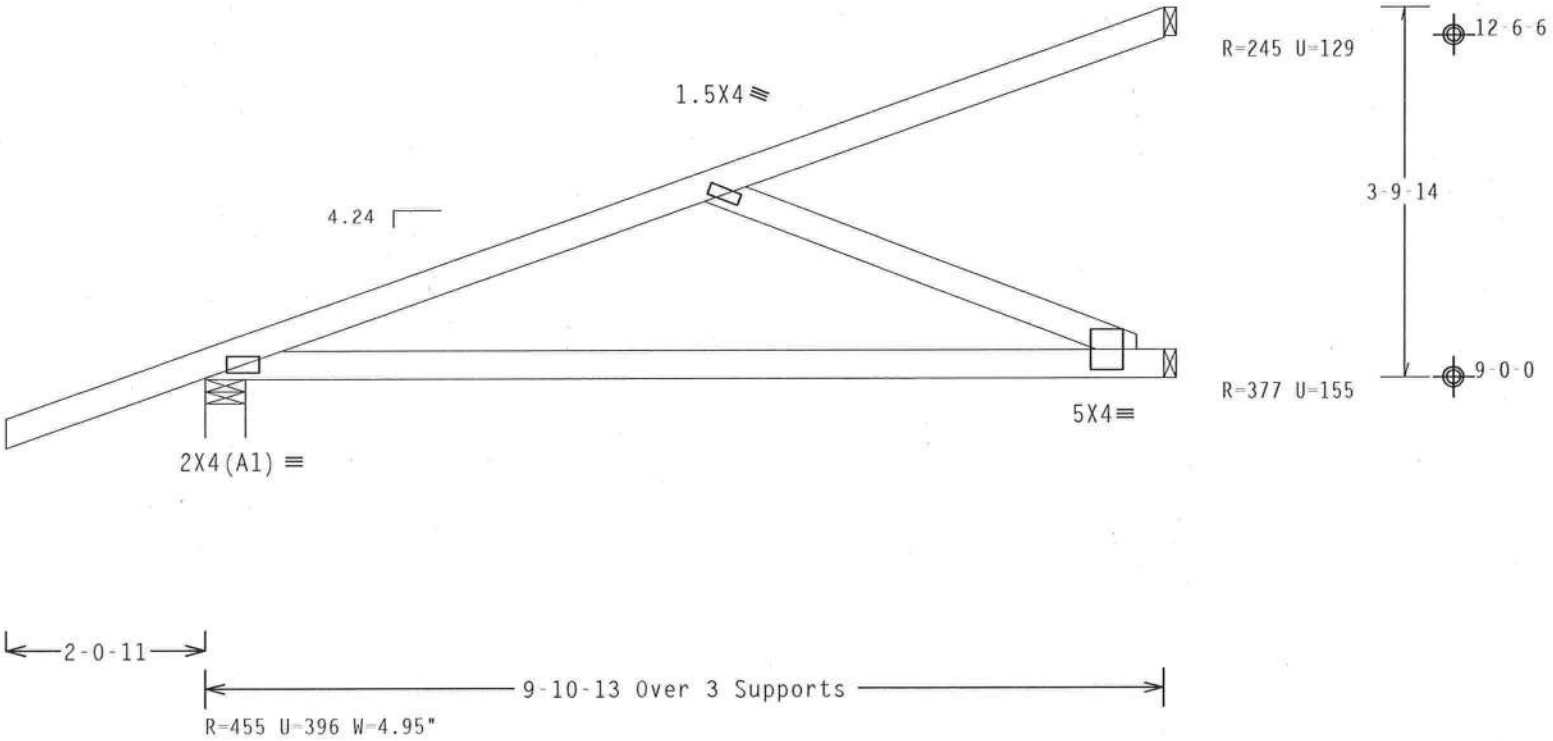
Hipjack supports 7-0-0 setback jacks with no webs.

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 (3) 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) 9.02.00.05 QTY:5 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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JAMES P. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar [illegible]

TC LL	20.0 PSF	REF R8228- 47437
TC DL	10.0 PSF	DATE 03/02/10
BC DL	10.0 PSF	DRW HCUSR8228 10061056
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 91321
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TZR8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - HJ9)

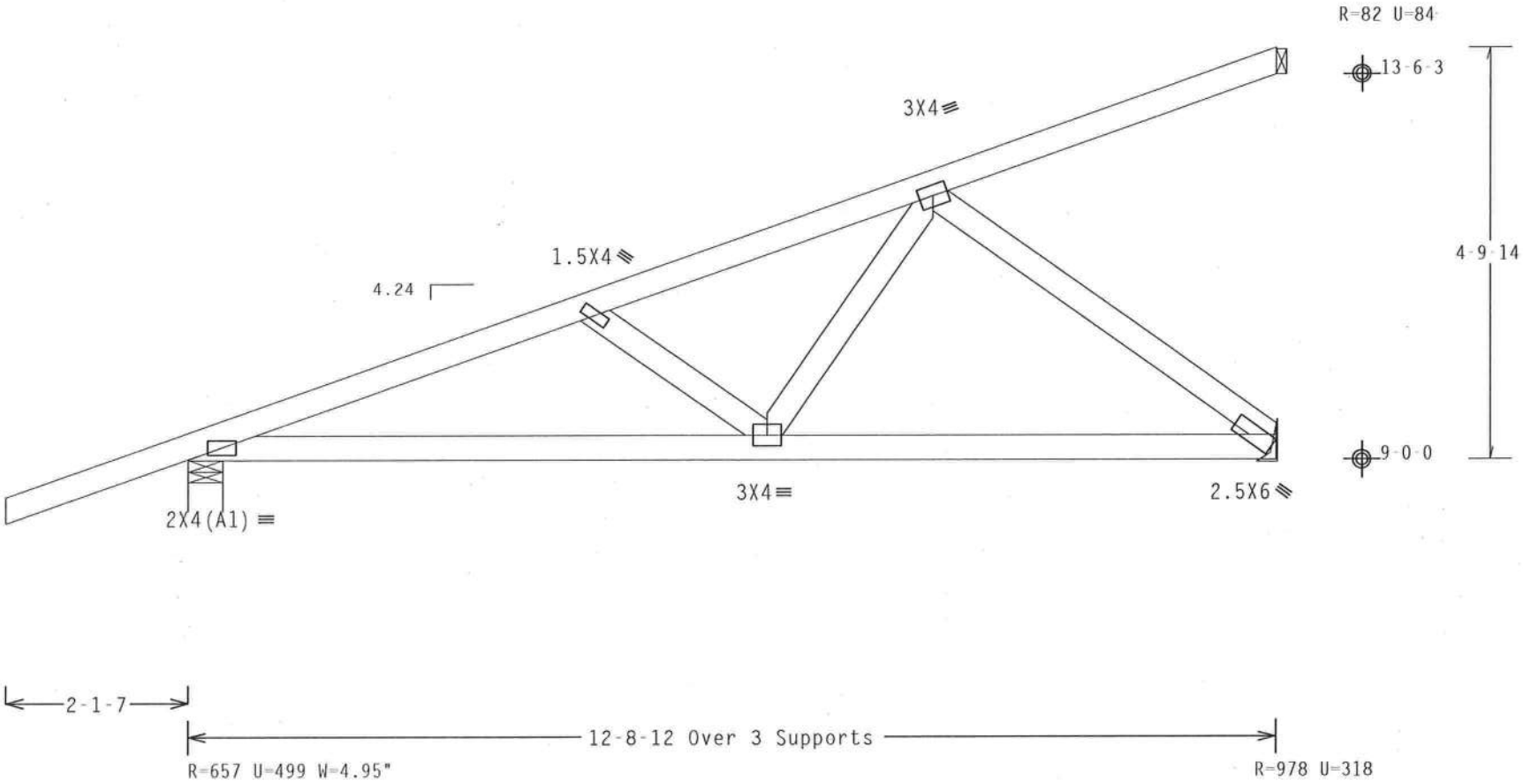
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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.

Hipjack supports 9-0-0 setback jacks. Jacks up to 7' have no webs. Longer jacks supported to BC.



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.

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ITW Building Components Group Inc.
Haines City, FL 33844
FL [illegible]278

JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 02,10

TC LL	20.0 PSF	REF	R8228- 47438
TC DL	10.0 PSF	DATE	03/02/10
BC DL	10.0 PSF	DRW	HCUSR8228 10061057
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	91290
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZR8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - CJ3)

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

Roof overhang supports 2.00 psf soffit load.

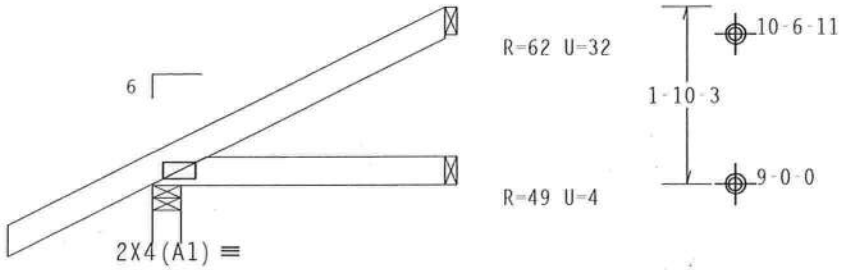
Bottom chord checked for 10.00 psf non-concurrent live load.

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 QTY:12 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL 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 CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 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.

JAMES R. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar

TC LL	20.0 PSF	REF	R8228- 47439
TC DL	10.0 PSF	DATE	03/02/10
BC DL	10.0 PSF	DRW	HCUSR8228 10061044
BC LL	0.0 PSF		HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN-	91247
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T7R8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - CJ1)

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

Roof overhang supports 2.00 psf soffit load.

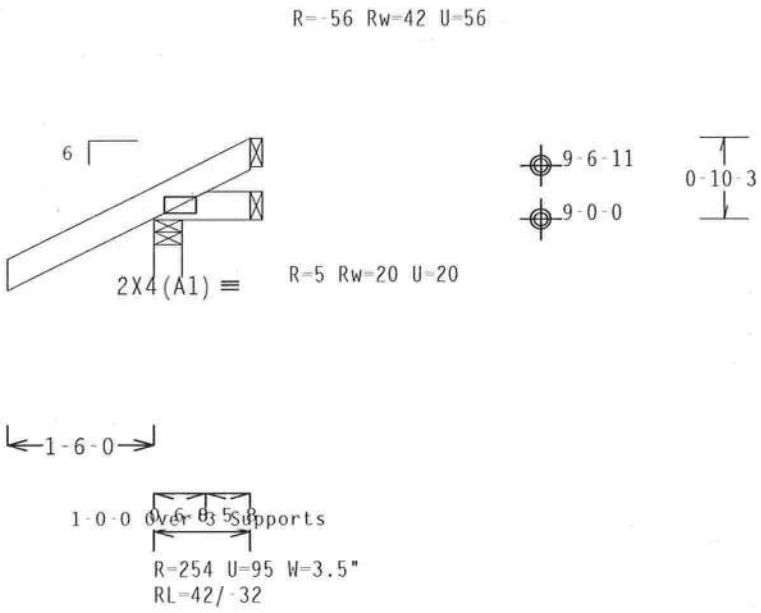
Bottom chord checked for 10.00 psf non-concurrent live load.

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 QTY:12 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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JAMES J. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 02, 10

TC LL	20.0 PSF	REF	R8228- 47440
TC DL	10.0 PSF	DATE	03/02/10
BC DL	10.0 PSF	DRW	HCUSR8228 10061045
BC LL	0.0 PSF		HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN-	91252
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZR8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - CJ7)

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.

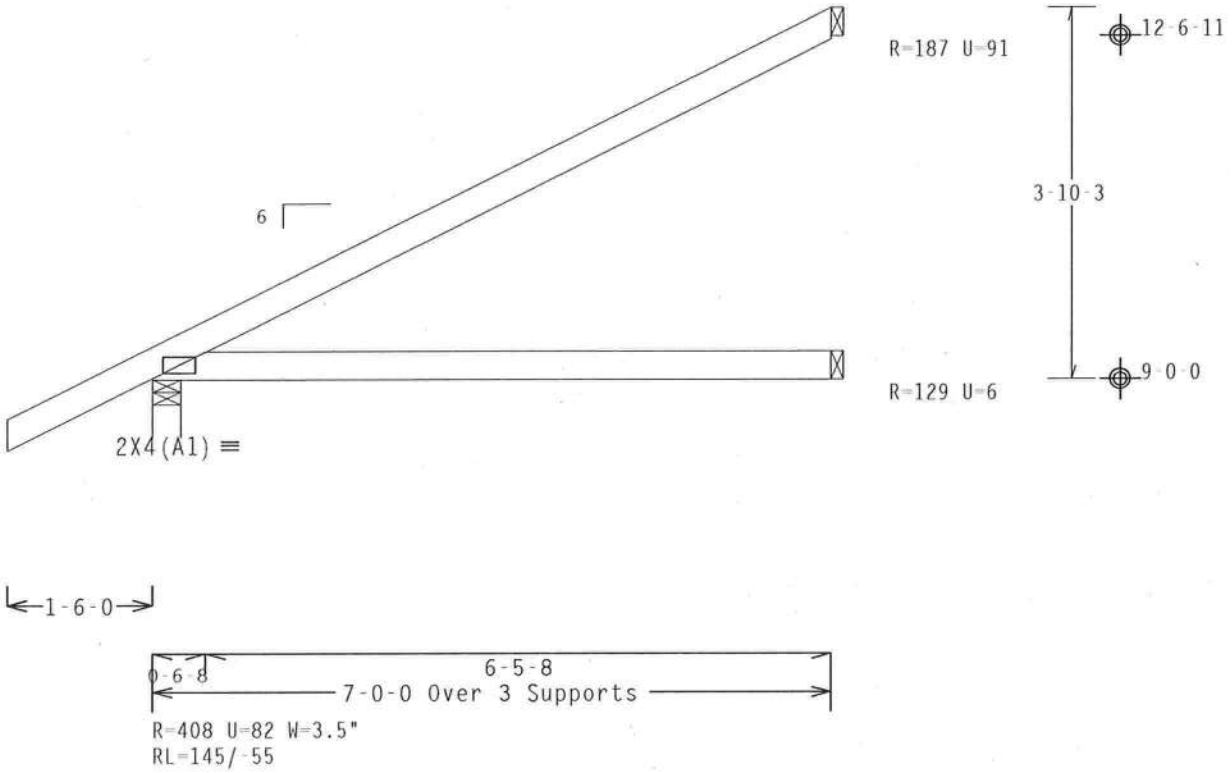
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

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.

Deflection meets L/240 live and L/180 total 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)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

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

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

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 02,10

TC LL	20.0 PSF	REF	R8228- 47441
TC DL	10.0 PSF	DATE	03/02/10
BC DL	10.0 PSF	DRW	HCUSR8228 10061046
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	91257
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T7R8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - EJ9)

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.

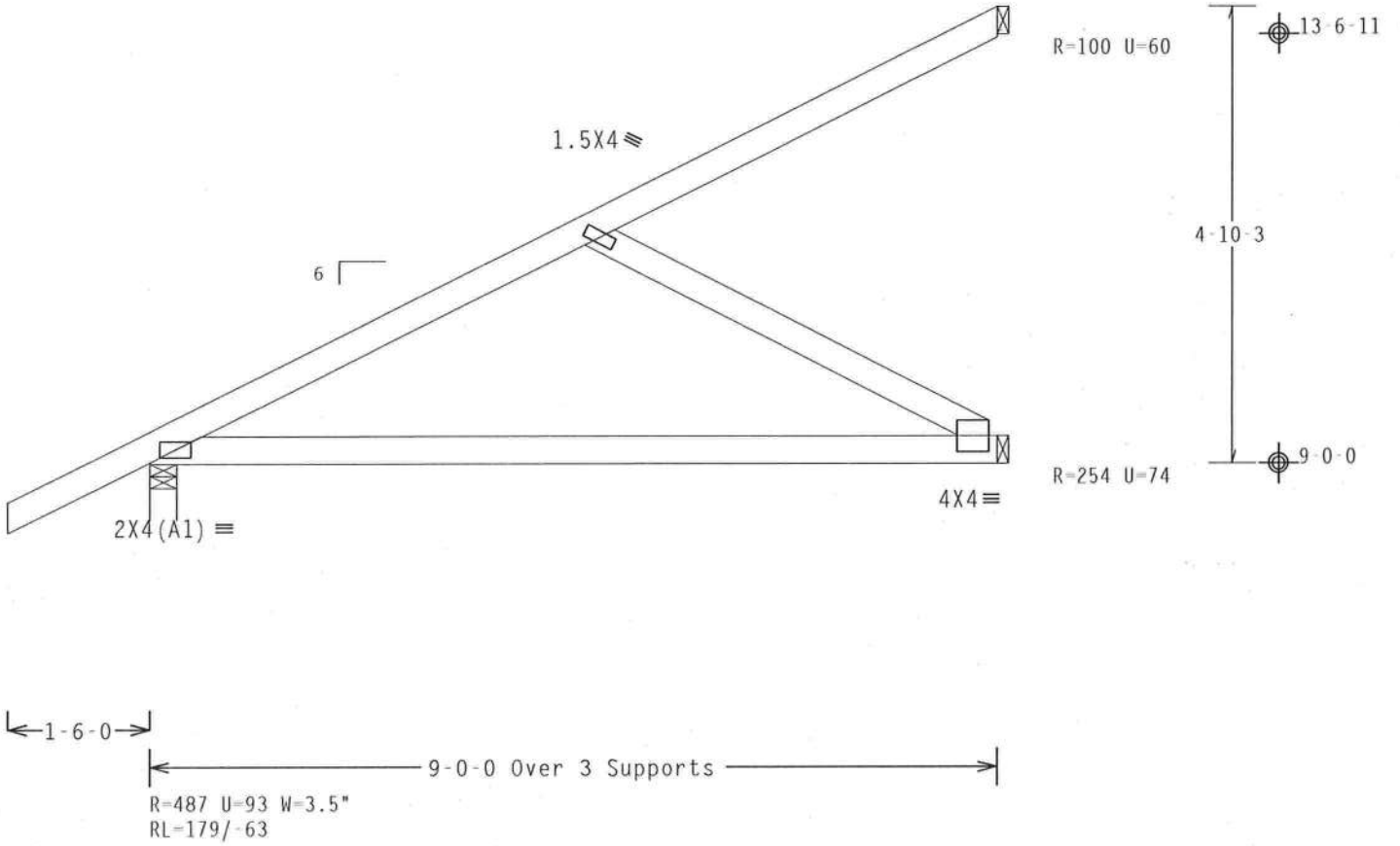
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

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.

Deflection meets L/240 live and L/180 total 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) 9.02.00.061 QTY:6 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL [illegible] 278

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 02 [illegible]

TC LL	20.0 PSF	REF R8228- 47442
TC DL	10.0 PSF	DATE 03/02/10
BC DL	10.0 PSF	DRW HCUSR8228 10061032
BC LL	0.0 PSF	HC-ENG JB/AP *
TOT.LD.	40.0 PSF	SEQN- 91296
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TZR8228Z05

(10-047--Fill in later BRYAN ZECHER/ CREWS -- , ** - EJ9T)

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

Roof overhang supports 2.00 psf soffit load.

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

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

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

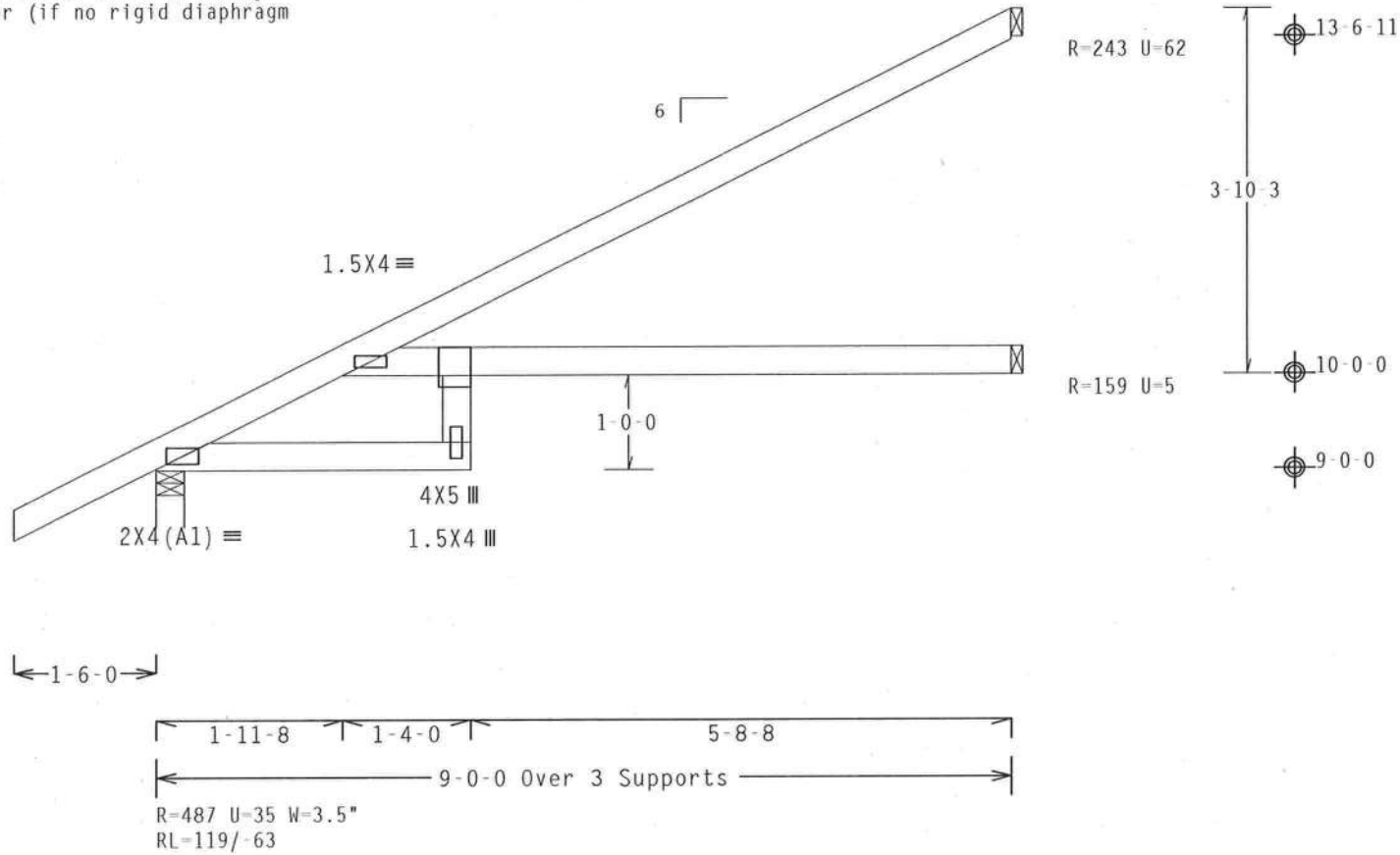
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

Deflection meets L/240 live and L/180 total 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 QTY:10 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL [illegible] 0 278

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JAMES E. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 02 10

TC LL	20.0 PSF	REF	R8228- 47443
TC DL	10.0 PSF	DATE	03/02/10
BC DL	10.0 PSF	DRW	HCUSR8228 10061047
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	91317
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T7R8228Z05

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.

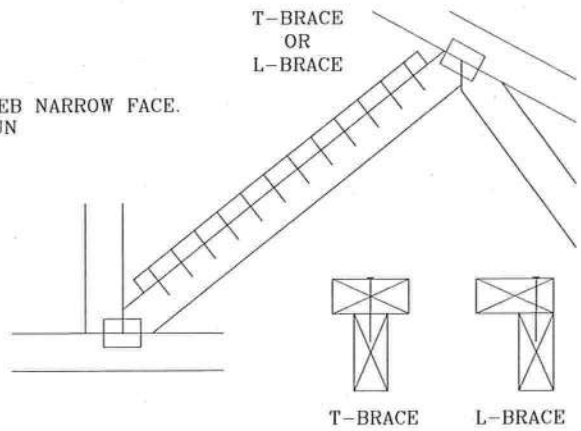
WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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.

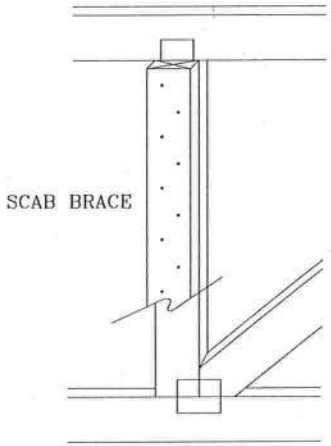
T-BRACING OR L-BRACING:

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

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/HLS) 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

Ma 0 '1

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

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		

NAIL SPACING DETAIL

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

BLOCK LOCATION, SIZE, LENGTH,GRADE AND TOTAL NUMBER AND TYPE OF NAILS ARE TO BE SPECIFIED ON SEALED DESIGN REFERENCING THIS DETAIL.

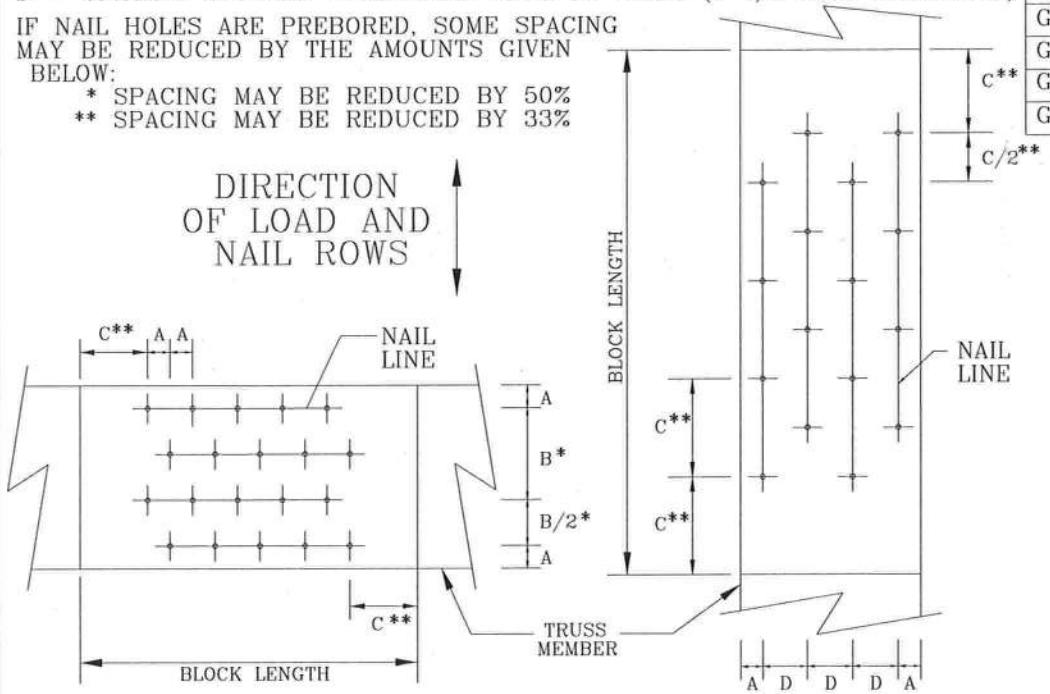
LOAD PERPENDICULAR TO GRAIN
A – EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)
B – SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
C – END DISTANCE (15 NAIL DIAMETERS)

LOAD PARALLEL TO GRAIN
A – EDGE DISTANCE (6 NAIL DIAMETERS)
C – SPACING OF NAILS IN A ROW AND END DISTANCE (15 NAIL DIAMETERS)
D – SPACING BETWEEN STAGGERED ROWS OF NAILS (7 1/2 NAIL DIAMETERS)

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

MINIMUM NAIL SPACING DISTANCES

NAIL TYPE	DISTANCES A	B*	C**	D
8d BOX (0.113"X 2.5",MIN)	3/4"	1 3/8"	1 3/4"	7/8"
10d BOX (0.128"X 3.",MIN)	7/8"	1 5/8"	2"	1"
12d BOX (0.128"X 3.25",MIN)	7/8"	1 5/8"	2"	1"
16d BOX (0.135"X 3.5",MIN)	7/8"	1 5/8"	2 1/8"	1 1/8"
20d BOX (0.148"X 4.",MIN)	1"	1 7/8"	2 1/4"	1 1/8"
8d COMMON (0.131"X 2.5",MIN)	7/8"	1 5/8"	2"	1"
10d COMMON (0.148"X 3.",MIN)	1"	1 7/8"	2 1/4"	1 1/8"
12d COMMON (0.148"X 3.25",MIN)	1"	1 7/8"	2 1/4"	1 1/8"
16d COMMON (0.162"X 3.5",MIN)	1'	2"	2 1/2"	1 1/4"
GUN (0.120"X 2.5",MIN)	3/4"	1 1/2"	1 7/8"	1"
GUN (0.131"X 2.5",MIN)	7/8"	1 5/8"	2"	1"
GUN (0.120"X 3.",MIN)	3/4"	1 1/2"	1 7/8"	1"
GUN (0.131"X 3.",MIN)	7/8"	1 5/8"	2"	1"



LOAD APPLIED PERPENDICULAR TO GRAIN LOAD APPLIED PARALLEL TO GRAIN

ITW Building Components Group Inc.
Earth City, MO 63045

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JAMES F. DOLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
MAR 02 '10

REF	NAIL SPACE
DATE	1/1/09
DRWG	CNNAILSP0109

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	BRACE GRADE	NO BRACES	(1) 1X4 "L" BRACE * GROUP A	(1) 1X4 "L" BRACE * GROUP B	(1) 2X4 "L" BRACE * GROUP A	(1) 2X4 "L" BRACE * GROUP B	(2) 2X4 "L" BRACE ** GROUP A	(2) 2X4 "L" BRACE ** GROUP B	(1) 2X6 "L" BRACE * GROUP A	(1) 2X6 "L" BRACE * GROUP B	(2) 2X6 "L" BRACE ** GROUP A	(2) 2X6 "L" BRACE ** 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:

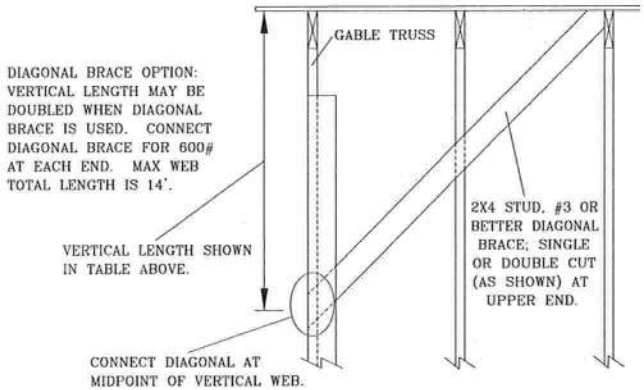
SPRUCE-PINE-FIR		HEM-FIR	
#1 / #2	STANDARD	#2	STUD
#3	STUD	#3	STANDARD

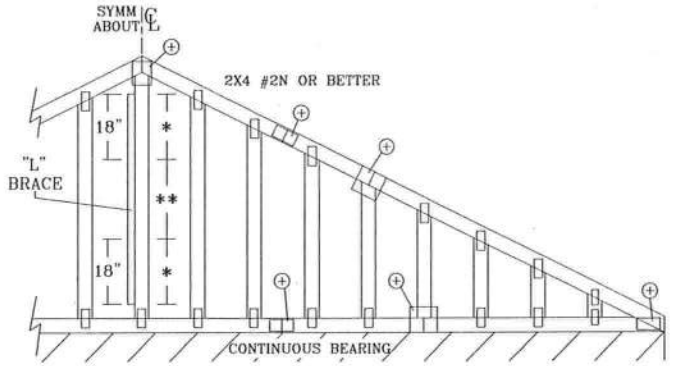
DOUGLAS FIR-LARCH	SOUTHERN PINE
#3	#3
STUD	STUD
STANDARD	STANDARD

GROUP B:

HEM-FIR
#1 & BTR
#1

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





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

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

MAR 02 '10

MAX. TOT. LD. 60 PSF

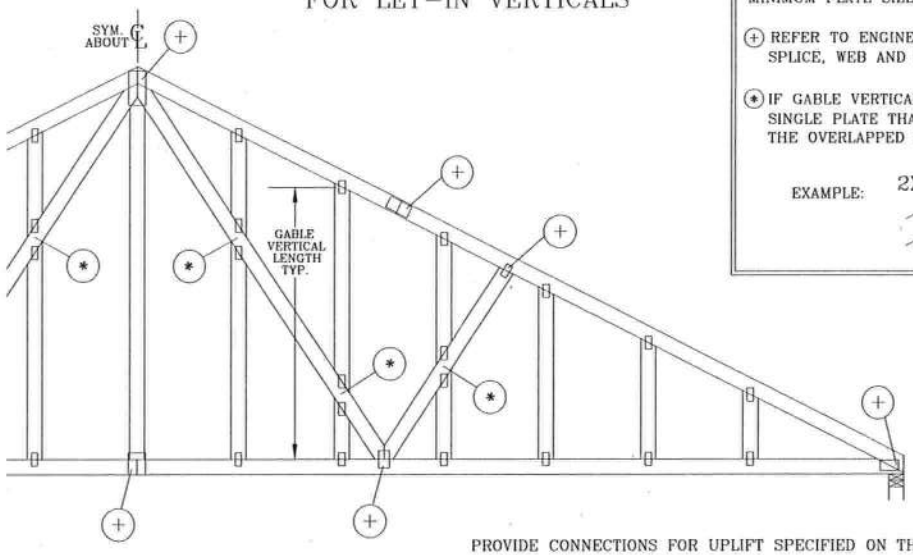
MAX. SPACING 24.0"

REF ASCE7-05-GAB11015

DATE 1/1/09

DRWG A11015050109

GABLE DETAIL
FOR LET–IN VERTICALS



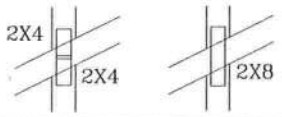
GABLE TRUSS PLATE SIZES

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

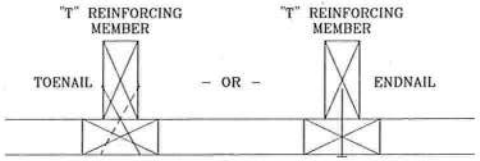
(+) REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPLICE, WEB AND HEEL PLATES.

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

EXAMPLE:



"T" REINFORCEMENT ATTACHMENT DETAIL



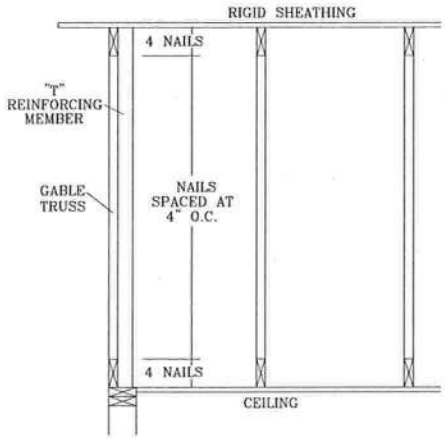
TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" INCREASE BY LENGTH (BASED ON APPROPRIATE ITW GABLE DETAIL).

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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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 02 '10

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

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