

DATE 01/30/2006

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000024095

APPLICANT BRYAN ZECHER PHONE 752-8653
 ADDRESS PO BOX 815 LAKE CITY FL 32056
 OWNER FRITZ & JOANNE AMRHEIN PHONE _____
 ADDRESS 408 SW RIDGEVIEW PL LAKE CITY FL 32034
 CONTRACTOR BRYAN ZECHER PHONE 752-8653
 LOCATION OF PROPERTY 90 W L INTO CYPRESS LAKES S/D, R RIDGEVIEW PL,
7TH ON L (GREY STUCCO HOUSE)

TYPE DEVELOPMENT SFD ADDITION ESTIMATED COST OF CONSTRUCTION 59600.00
 HEATED FLOOR AREA 1192.00 TOTAL AREA 1370.00 HEIGHT 20.00 STORIES 1
 FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB
 LAND USE & ZONING RSF-2 MAX. HEIGHT 35
 Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00
 NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO. _____

PARCEL ID 33-3S-16-02434-109 SUBDIVISION CYPRESS LAKE
 LOT 9 BLOCK _____ PHASE 2 UNIT _____ TOTAL ACRES 0.95

CBC054575
 Culvert Permit No. _____ Culvert Waiver _____ Contractor's License Number _____ Applicant/Owner/Contractor _____
 EXISTING 06-0008-N BK JH N
 Driveway Connection _____ Septic Tank Number _____ LU & Zoning checked by _____ Approved for Issuance _____ New Resident _____

COMMENTS: NOC ON FILE, ADDITION TO AN EXISTING STRUCTURE

Check # or Cash 2429

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$ 300.00 CERTIFICATION FEE \$ 6.85 SURCHARGE FEE \$ 6.85
 MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$ _____
 FLOOD DEVELOPMENT FEE \$ _____ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ _____ TOTAL FEE 388.70

INSPECTORS OFFICE [Signature] CLERKS OFFICE [Signature]

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

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

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

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

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0601-35 Date Received 6/12/06 By GP Permit # 24095
 Application Approved by - Zoning Official BLK Date 19.01.06 Plans Examiner OK JTH Date 1-23-06
 Flood Zone R Development Permit N/A Zoning RSF-2 Land Use Plan Map Category RES. Low Den.
 Comments Est / Estimated cost, height, type, sign app/notice

Applicants Name Bryan Techer Phone 752-8653
 Address P.O. Box 815 Lake City, FL 32056
 Owners Name Eritz & Joanne Amrhein Phone _____
 911 Address 408 SW Ridgeview Pl, Lake City, FL 32054
 Contractors Name Bryan Techer Construction, Inc. Phone 752-8653
 Address P.O. Box 815 Lake City, FL 32056
 Fee Simple Owner Name & Address _____
 Bonding Co. Name & Address _____
 Architect/Engineer Name & Address Teena Russo / Mark Disasway P.O. Box 868 Lake City, FL
 Mortgage Lenders Name & Address _____

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number 33-35-16-2434-109 Estimated Cost of Construction \$150,000.00
 Subdivision Name Cypress Lake Lot 9 Block _____ Unit _____ Phase 2
 Driving Directions US Hwy 90 West to Cypress Lakes RD. Turn Left into RD and take 1st Right. Job is about 1st house on left - a grey stucco home with white trim.
 Type of Construction Framed Addition Number of Existing Dwellings on Property _____
 Total Acreage .955 Lot Size 200' x 190' Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 44' Side 41' Side 125' Rear 122'
 Total Building Height 20' Number of Stories 1 Heated Floor Area 1192 SF Roof Pitch 6/12
A/C Area 1192 Porches 174 TOTAL 1370

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

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

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Owner Builder or Agent (Including Contractor) _____
 STATE OF FLORIDA
 COUNTY OF COLUMBIA
 Sworn to (or affirmed) and subscribed before me
 this 23rd day of JANUARY 2006.
 Personally known or Produced Identification _____

Contractor Signature _____
 Contractors License Number CBC054575
 Competency Card Number _____
 NOTARY STAMP/SEAL

 Notary Signature

0601-35

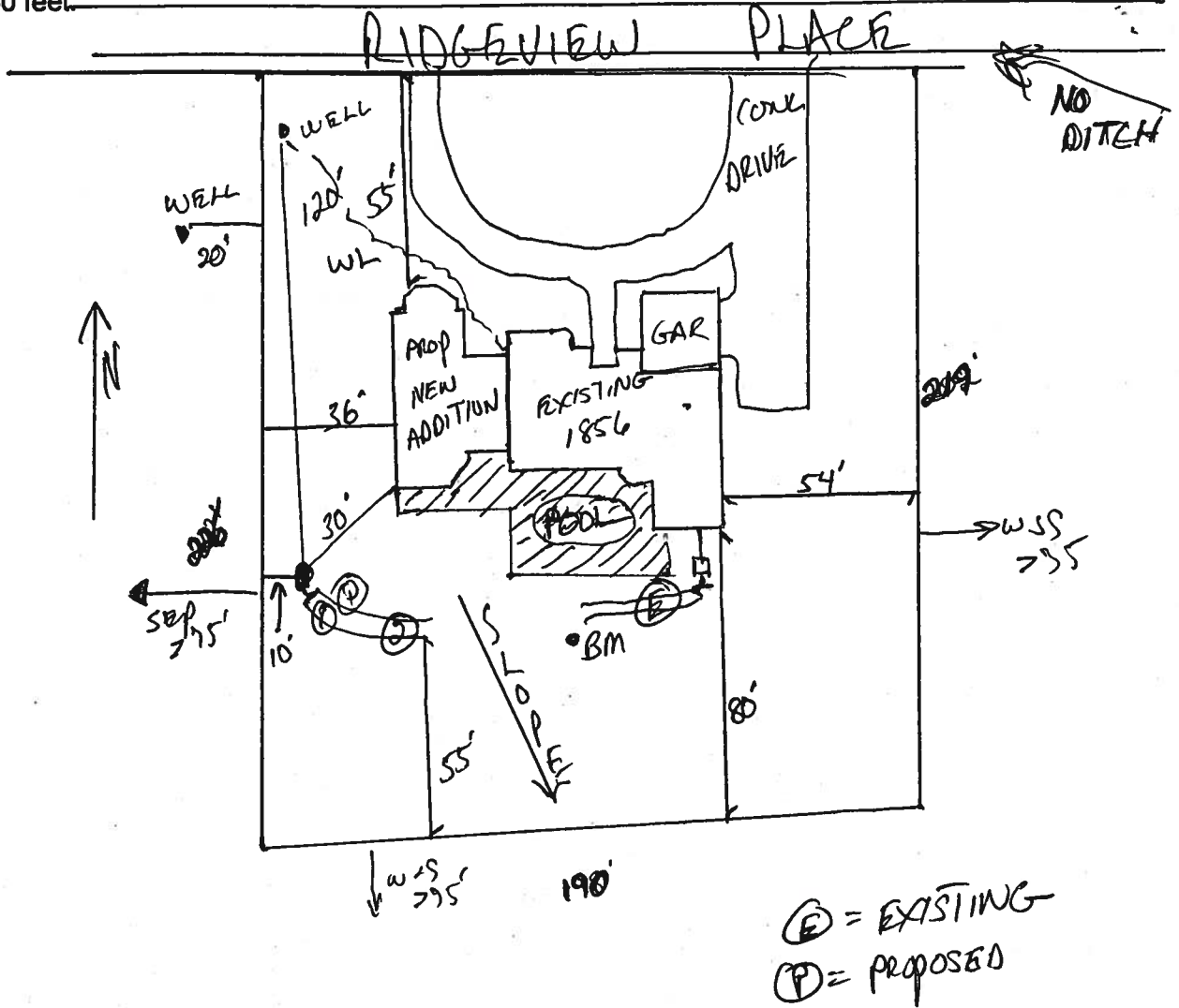
STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 06-0008N

Amrhein

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

Scale: 1 inch = 50 feet.



Notes: 1 Bathroom 1152 SQ ON NEW SYSTEM

Site Plan submitted by: Rock D F O
Plan Approved Not Approved
By Sallie Maddy - PSI - COLUMBIA

MASTER CONTRACTOR
Date 1.25.06
County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

33-3S-16-02434-109

LOT 9 CYPRESS LAKE PHASE 2. AMRHEIN JOANNA P & 33-3S-16-02434-109 Columbia Cou
 ORB 809-1042, FREDERICK P
 WD 1028-2936, WD 1028-2835. 408 SW RIDGEVIEW PL FL 32024 PRINTED 12/08/2005 11:39
 LAKE CITY APPR 7/30/2003 HC

USE	MOD	EXW	RSTR	RCVR	INT	FLR	HTTP	A/C	QUAL	FNDN	SIZE	CEIL	ARCH	FRME	KTCH	WNDO	CLAS	OCC	COND	SUB	BAS95	FSP95	FGR95	FOP95	
000100	1 SFR	16 WD FR STUC	08 IRREGULAR	03 COMP SHNGL	05 DRYWALL	14 CARPET	04 AIR DUCTED	03 CENTRAL	05 EXCELLENT	N/A	04 IRREGULAR	N/A	N/A	01 NONE	N/A	N/A	N/A	N/A	N/A	A-AREA	1940	176	440	49	
SINGLE FAM	BATH	FIXT	RMS	BDRM	HGHT	STYS	FUNC	SPCD	DEPR	UD-1	UD-2	UD-3	UD-4	UD-5	UD-6	UD-7	UD-8	UD-9	%	%	E-AREA	100	55	55	30
AE? Y	2.00			3		1.0			52	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		1940	5660	14122	876	
1940 HTD AREA	2294 EFF AREA	157499 RCN	85.00 %GOOD	133,874 B BLDG VAL	159.667 INDEX	68.657 E-RATE	33316.02 NBHD	100.000 INDX	1995 AYB	1995 EYB	AC	NTCD	APPR CD	CNDO	SUBD	BLK	LOT	MAP# 44	HX	TXDT	002				
FIELD CK:	LOC: 408 RIDGEVIEW PL SW LAKE CITY																								
*----16---14--- +----16---+ +----20---10---+ +7-+ +7-+ +--11-+ +----20---+																									
BLDG TRA' BAS1995=W14 FSP1995=W16 W16 N11 /N4 W4/ W4 N1 S26 FGR1995=S22 E20 N1 FOP1995=S4 E7 N7 W7 S3: N35\$. PERMIT: NUMBER DESC 10399 POOL 10133 SFR SALE BOOK PAGE DATE 1028 2935 10/14/200 GRANTOR CENDANT MOBILIT GRANTEE JOANNA P. & FREDERICK P 1028 2936 10/08/200 GRANTOR PICKENS JOHN GRANTEE CENDANT MOBILIT																									
TOTAL	2605	2294	133874																						

AE BN	CODE	DESC	LEN	WID	HGHT	QTY	QL	YR	ADJ	UNITS	UT	PRICE	ADJ	UT	PR	SPCD	%
Y	0280	POOL R/CON	26	14		1		1995	1.00	364.000	SF	28.000			28.000		
Y	0166	CONC, PAVMT				1		1995	1.00	2296.000	SF	2.000			2.000		
Y	0282	POOL ENCL				1		1995	1.00	850.000	SF	7.000			7.000		

LAND	DESC	ZONE	ROAD	{UD1	{UD3	FRONT	DEPTH	FIELD CK:	UNITS	UT	PRICE	ADJ	UT	PR
AE	CODE	TOPO	UTIL	{UD2	{UD4	BACK	DT	ADJUSTMENTS						
Y	000100 SFR	RSF-1	0003	0		190	219	1.00 1.00 1.00 1.00	1.000	LT	19000.000			19000.0

L001 - 0.97 AC. SALE - LOT 9 CYPRESS LAKES PH II
 2006

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS



DONALD AND MARY HALL
OWNERS

PHONE (904) 752-1854
FAX (904) 755-7022
~~XXXXXXXXXXXXXXXXXXXX~~
LAKE CITY, FLORIDA 32055
904 NW Main Blvd.

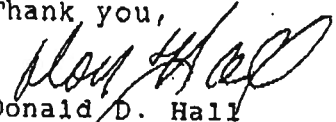
June 12, 2002

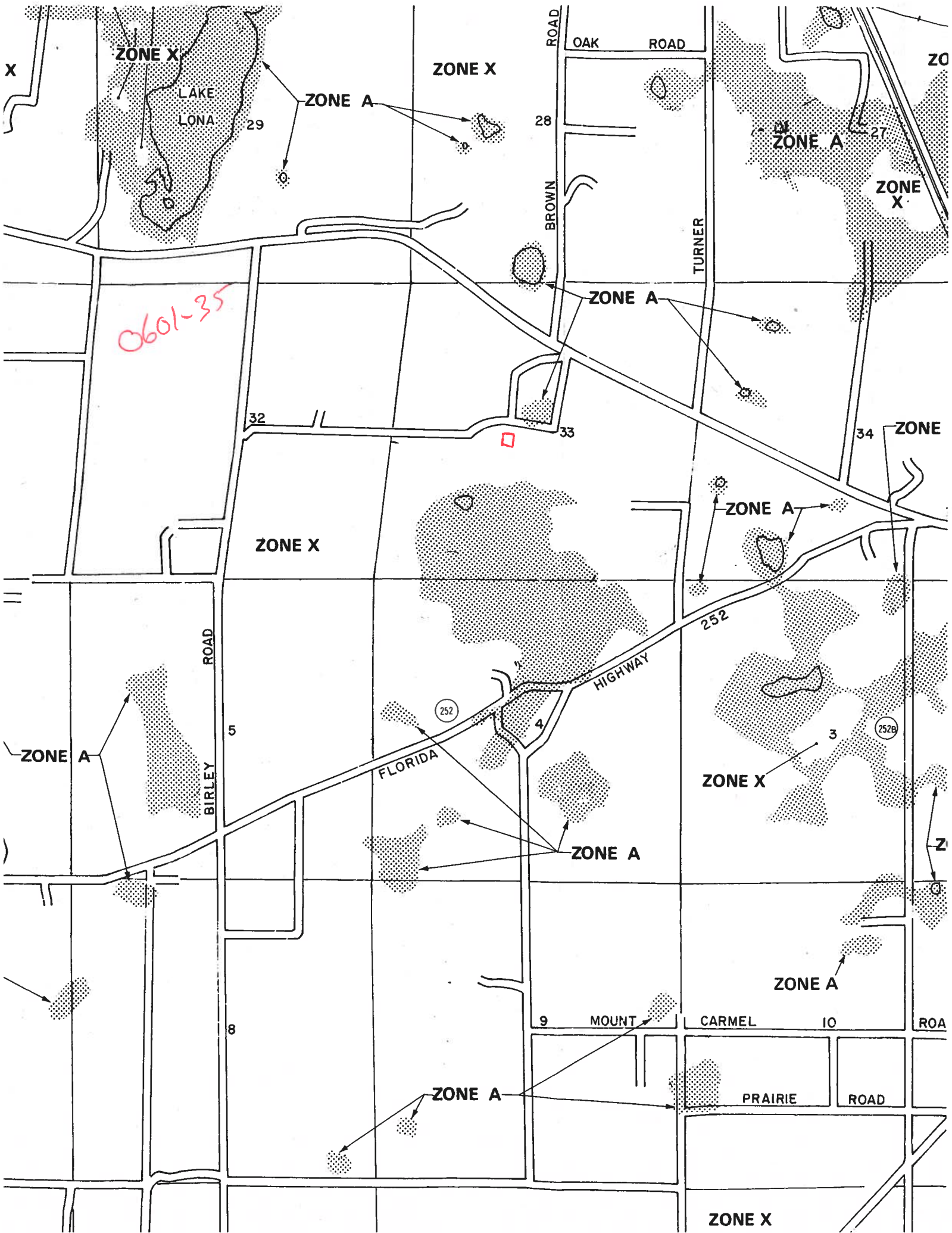
NOTICE TO ALL CONTRACTORS

Please be advised that due to the new building codes we will use a large capacity diaphragm tank on all new wells. This will insure a minimum of one (1) minute draw down or one (1) minute refill. If a smaller diaphragm tank is used then we will install a cycle stop valve which will produce the same results.

If you have any questions please feel free to call our office anytime.

Thank you,


Donald D. Hall
DDH/jk



0601-35

ZONE X

LAKE LONA

ZONE X

ZONE A

OAK ROAD

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

BROWN ROAD

TURNER

27

26

25

24

23

22

21

ZONE A

ZONE X

ZONE A

ZONE X

ZONE A

ZONE A

BIRLEY ROAD

5

6

7

8

9

10

11

12

13

14

FLORIDA HIGHWAY 252

252

4

ZONE A

ZONE X

3

252B

ZONE A

MOUNT CARMEL ROAD

9

CARMEL ROAD

10

ROA

ZONE A

PRAIRIE ROAD

ZONE X

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF _____

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: 408 SW Ridgeview Place
2. General Description of Improvement: new addition
3. Owner Information:
 - a. Name and Address: Fritz + Jo Anna Amrhein
408 SW Ridgeview PL Lake City, FL 32024
 - b. Interest in Property: Fee Simple
 - c. Name and Address of Fee Simple Titleholder (if other than owner): —
4. Contractor (name and address): Bryan Techer Construction
PO Box 815 Lake City, FL 32056
5. Surety:
 - a. Name and Address: —
 - b. Amount of Bond: — MLK Inst: 2006000759 Date: 01/12/2006 Time: 11:35
DC, P. DeWitt Cason, Columbia County B: 1070 P: 2561
6. Lender (name and address): —
7. Persons within the State of Florida designated by owner upon whom notices or other documents may be served as provided by Florida Statutes 713.13(1)(a)(7): N/A
8. In addition to himself, owner designates: N/A

to receive a copy of the Lelnor's Notice as provided in Florida Statutes 713.13(1)(b).
9. Expiration date of Notice of Commencement (the expiration date is 1 year from the date of recording unless a different date is specified): —



Fritz Amrhein
Type Owner Name: FRITZ AMRHEIN

Type Owner Name: _____
Jo Anna P. Amrhein
Type Notary's Name: Jo Anna P. Amrhein
Notary Public, State of Florida
Commission Expiry & Number: March 16, 2009

Sworn to and subscribed before me this 26 day of December, 2005.

Personally Known —
Produced ID —
Did/Did Not Take an Oath —

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

0601-35

Reference to: Build permit application Number:

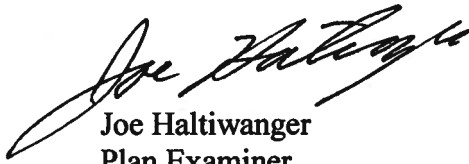
Bryan Zecher owner Frederick Amrhein lot 9 of Cypress Lakes phase II

On the date of January 18, 2006 application 0601-35 and plans for construction of an addition onto a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0601-35 when making reference to this application.

1. Additional information on the Columbia County Building Permit Application form is required to continue processing this application. Please supply the forms required information.
2. Please submit an approved copy of the Columbia County Environmental Health Department site plan application for an on site waste water septic system.
3. Please submit a recorded (with the Columbia County Clerk Office) a notice of commencement before any inspections can be preformed by the Columbia County Building Department.

Thank you,

A handwritten signature in black ink, appearing to read "Joe Haltiwanger". The signature is written in a cursive style with a large, sweeping initial "J".

Joe Haltiwanger
Plan Examiner
Columbia County Building Department

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name: 601045ZecherBryanAmrhein,Friz&JoannaAddition Address: City, State: Lake City, FL Owner: Amrhein, Friz & Joanna Addition Climate Zone: North	Builder: Bryan Zecher Permitting Office: Columbia County Permit Number: 24085 Jurisdiction Number: 221000
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<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">1. New construction or existing</td> <td style="width: 10%; text-align: center;">Addition</td> <td style="width: 5%; text-align: center;">—</td> </tr> <tr> <td>2. Single family or multi-family</td> <td style="text-align: center;">Single family</td> <td style="text-align: center;">—</td> </tr> <tr> <td>3. Number of units, if multi-family</td> <td style="text-align: center;">1</td> <td style="text-align: center;">—</td> </tr> <tr> <td>4. Number of Bedrooms</td> <td style="text-align: center;">1</td> <td style="text-align: center;">—</td> </tr> <tr> <td>5. Is this a worst case?</td> <td style="text-align: center;">Yes</td> <td style="text-align: center;">—</td> </tr> <tr> <td>6. Conditioned floor area (ft²)</td> <td style="text-align: center;">3048 ft²</td> <td style="text-align: center;">—</td> </tr> <tr> <td colspan="3">7. Glass type¹ and area: (Label reqd. by 13-104.4.5 if not default)</td> </tr> <tr> <td style="padding-left: 20px;">a. U-factor:</td> <td style="padding-left: 20px;">Description Area</td> <td></td> </tr> <tr> <td style="padding-left: 40px;">(or Single or Double DEFAULT)</td> <td style="padding-left: 40px;">7a. (Dble Default) 194.0 ft²</td> <td style="text-align: center;">—</td> </tr> <tr> <td style="padding-left: 20px;">b. SHGC:</td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 40px;">(or Clear or Tint DEFAULT)</td> <td style="padding-left: 40px;">7b. (Clear) 194.0 ft²</td> <td style="text-align: center;">—</td> </tr> <tr> <td colspan="3">8. Floor types</td> </tr> <tr> <td style="padding-left: 20px;">a. Slab-On-Grade Edge Insulation</td> <td style="padding-left: 20px;">R=0.0, 117.0(p) ft</td> <td style="text-align: center;">—</td> </tr> <tr> <td style="padding-left: 20px;">b. N/A</td> <td></td> <td style="text-align: center;">—</td> </tr> <tr> <td style="padding-left: 20px;">c. N/A</td> <td></td> <td style="text-align: center;">—</td> </tr> <tr> <td colspan="3">9. Wall types</td> </tr> <tr> <td style="padding-left: 20px;">a. Frame, Wood, Exterior</td> <td style="padding-left: 20px;">R=13.0, 936.0 ft²</td> <td style="text-align: center;">—</td> </tr> <tr> <td style="padding-left: 20px;">b. N/A</td> <td></td> <td style="text-align: center;">—</td> </tr> <tr> <td style="padding-left: 20px;">c. N/A</td> <td></td> <td style="text-align: center;">—</td> </tr> <tr> <td style="padding-left: 20px;">d. N/A</td> <td></td> <td style="text-align: center;">—</td> </tr> <tr> <td style="padding-left: 20px;">e. N/A</td> <td></td> <td style="text-align: center;">—</td> </tr> <tr> <td colspan="3">10. Ceiling types</td> </tr> <tr> <td style="padding-left: 20px;">a. Under Attic</td> <td style="padding-left: 20px;">R=30.0, 3112.0 ft²</td> <td style="text-align: center;">—</td> </tr> <tr> <td style="padding-left: 20px;">b. N/A</td> <td></td> <td style="text-align: center;">—</td> </tr> <tr> <td style="padding-left: 20px;">c. N/A</td> <td></td> <td style="text-align: center;">—</td> </tr> <tr> <td colspan="3">11. Ducts</td> </tr> <tr> <td style="padding-left: 20px;">a. Sup: Unc. Ret: Unc. AH: Interior</td> <td style="padding-left: 20px;">Sup. R=6.0, 100.0 ft</td> <td style="text-align: center;">—</td> </tr> <tr> <td style="padding-left: 20px;">b. N/A</td> <td></td> <td style="text-align: center;">—</td> </tr> </table>	1. New construction or existing	Addition	—	2. Single family or multi-family	Single family	—	3. Number of units, if multi-family	1	—	4. Number of Bedrooms	1	—	5. Is this a worst case?	Yes	—	6. Conditioned floor area (ft ²)	3048 ft ²	—	7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)			a. 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N/A</td> <td></td> <td style="text-align: center;">—</td> </tr> <tr> <td style="padding-left: 20px;">c. N/A</td> <td></td> <td style="text-align: center;">—</td> </tr> <tr> <td colspan="3">13. Heating systems</td> </tr> <tr> <td style="padding-left: 20px;">a. Electric Heat Pump</td> <td style="padding-left: 20px;">Cap: 36.0 kBtu/hr</td> <td style="text-align: center;">—</td> </tr> <tr> <td></td> <td style="padding-left: 20px;">HSPF: 7.00</td> <td style="text-align: center;">—</td> </tr> <tr> <td style="padding-left: 20px;">b. N/A</td> <td></td> <td style="text-align: center;">—</td> </tr> <tr> <td style="padding-left: 20px;">c. N/A</td> <td></td> <td style="text-align: center;">—</td> </tr> <tr> <td colspan="3">14. Hot water systems</td> </tr> <tr> <td style="padding-left: 20px;">a. Electric Resistance</td> <td style="padding-left: 20px;">Cap: 40.0 gallons</td> <td style="text-align: center;">—</td> </tr> <tr> <td></td> <td style="padding-left: 20px;">EF: 0.93</td> <td style="text-align: center;">—</td> </tr> <tr> <td style="padding-left: 20px;">b. N/A</td> <td></td> <td style="text-align: center;">—</td> </tr> <tr> <td style="padding-left: 20px;">c. Conservation credits</td> <td></td> <td style="text-align: center;">—</td> </tr> <tr> <td style="padding-left: 40px;">(HR-Heat recovery, Solar</td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 40px;">DHP-Dedicated heat pump)</td> <td></td> <td></td> </tr> <tr> <td colspan="3">15. HVAC credits</td> </tr> <tr> <td style="padding-left: 20px;">(CF-Ceiling fan, CV-Cross ventilation,</td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 20px;">HF-Whole house fan,</td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 20px;">PT-Programmable Thermostat,</td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 20px;">MZ-C-Multizone cooling,</td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 20px;">MZ-H-Multizone heating)</td> <td></td> <td></td> </tr> </table>	12. Cooling systems			a. Central Unit	Cap: 36.0 kBtu/hr	—		SEER: 10.00	—	b. N/A		—	c. N/A		—	13. Heating systems			a. Electric Heat Pump	Cap: 36.0 kBtu/hr	—		HSPF: 7.00	—	b. N/A		—	c. N/A		—	14. Hot water systems			a. Electric Resistance	Cap: 40.0 gallons	—		EF: 0.93	—	b. N/A		—	c. Conservation credits		—	(HR-Heat recovery, Solar			DHP-Dedicated heat pump)			15. HVAC credits			(CF-Ceiling fan, CV-Cross ventilation,			HF-Whole house fan,			PT-Programmable Thermostat,			MZ-C-Multizone cooling,			MZ-H-Multizone heating)		
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4. Number of Bedrooms	1	—																																																																																																																																																								
5. Is this a worst case?	Yes	—																																																																																																																																																								
6. Conditioned floor area (ft ²)	3048 ft ²	—																																																																																																																																																								
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)																																																																																																																																																										
a. U-factor:	Description Area																																																																																																																																																									
(or Single or Double DEFAULT)	7a. (Dble Default) 194.0 ft ²	—																																																																																																																																																								
b. SHGC:																																																																																																																																																										
(or Clear or Tint DEFAULT)	7b. (Clear) 194.0 ft ²	—																																																																																																																																																								
8. Floor types																																																																																																																																																										
a. Slab-On-Grade Edge Insulation	R=0.0, 117.0(p) ft	—																																																																																																																																																								
b. N/A		—																																																																																																																																																								
c. N/A		—																																																																																																																																																								
9. Wall types																																																																																																																																																										
a. Frame, Wood, Exterior	R=13.0, 936.0 ft ²	—																																																																																																																																																								
b. N/A		—																																																																																																																																																								
c. N/A		—																																																																																																																																																								
d. N/A		—																																																																																																																																																								
e. N/A		—																																																																																																																																																								
10. Ceiling types																																																																																																																																																										
a. Under Attic	R=30.0, 3112.0 ft ²	—																																																																																																																																																								
b. N/A		—																																																																																																																																																								
c. N/A		—																																																																																																																																																								
11. Ducts																																																																																																																																																										
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 100.0 ft	—																																																																																																																																																								
b. N/A		—																																																																																																																																																								
12. Cooling systems																																																																																																																																																										
a. Central Unit	Cap: 36.0 kBtu/hr	—																																																																																																																																																								
	SEER: 10.00	—																																																																																																																																																								
b. N/A		—																																																																																																																																																								
c. N/A		—																																																																																																																																																								
13. Heating systems																																																																																																																																																										
a. Electric Heat Pump	Cap: 36.0 kBtu/hr	—																																																																																																																																																								
	HSPF: 7.00	—																																																																																																																																																								
b. N/A		—																																																																																																																																																								
c. N/A		—																																																																																																																																																								
14. Hot water systems																																																																																																																																																										
a. Electric Resistance	Cap: 40.0 gallons	—																																																																																																																																																								
	EF: 0.93	—																																																																																																																																																								
b. N/A		—																																																																																																																																																								
c. Conservation credits		—																																																																																																																																																								
(HR-Heat recovery, Solar																																																																																																																																																										
DHP-Dedicated heat pump)																																																																																																																																																										
15. HVAC credits																																																																																																																																																										
(CF-Ceiling fan, CV-Cross ventilation,																																																																																																																																																										
HF-Whole house fan,																																																																																																																																																										
PT-Programmable Thermostat,																																																																																																																																																										
MZ-C-Multizone cooling,																																																																																																																																																										
MZ-H-Multizone heating)																																																																																																																																																										

Glass/Floor Area: 0.06	Total as-built points: 26264 Total base points: 31967	PASS
------------------------	--	------

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

PREPARED BY: *[Signature]*

DATE: 1-10-06

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


OWNER/AGENT: *[Signature]*

DATE: 1/11/06

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

BUILDING OFFICIAL: _____

DATE: _____



1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLR2PB v4.1)

SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X SPM X SOF = Points				
.18	3048.0	20.04	10994.7	Double, Clear	S	1.5	0.0	20.0	35.87	0.43	309.8
				Double, Clear	SE	4.0	10.0	20.0	42.75	0.74	637.0
				Double, Clear	S	8.0	8.0	54.0	35.87	0.52	1008.3
				Double, Clear	W	1.5	7.0	36.0	38.52	0.94	1302.2
				Double, Clear	NW	1.5	3.0	7.0	25.97	0.78	142.5
				Double, Clear	N	1.5	3.0	14.0	19.20	0.83	223.4
				Double, Clear	NE	1.5	3.0	7.0	29.56	0.76	157.0
				Double, Clear	N	1.5	7.0	36.0	19.20	0.96	660.1
				As-Built Total:				194.0	4440.3		
WALL TYPES				Type		R-Value		Area X SPM = Points			
Area X BSPM = Points											
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior		13.0		936.0 1.50 1404.0			
Exterior	936.0	1.70	1591.2								
Base Total:	936.0		1591.2	As-Built Total:				936.0 1404.0			
DOOR TYPES				Type		Area X SPM = Points					
Area X BSPM = Points											
Adjacent	0.0	0.00	0.0	Exterior Insulated		40.0 4.10 164.0					
Exterior	40.0	4.10	164.0								
Base Total:	40.0		164.0	As-Built Total:		40.0 164.0					
CEILING TYPES				Type		R-Value		Area X SPM X SCM = Points			
Area X BSPM = Points											
Under Attic	3048.0	1.73	5273.0	Under Attic		30.0		3112.0 1.73 X 1.00 5383.8			
Base Total:	3048.0		5273.0	As-Built Total:				3112.0 5383.8			
FLOOR TYPES				Type		R-Value		Area X SPM = Points			
Area X BSPM = Points											
Slab	117.0(p)	-37.0	-4329.0	Slab-On-Grade Edge Insulation		0.0		117.0(p) -41.20 -4820.4			
Raised	0.0	0.00	0.0								
Base Total:			-4329.0	As-Built Total:				117.0 -4820.4			
INFILTRATION								Area X SPM = Points			
Area X BSPM = Points											
	3048.0	10.21	31120.1					3048.0 10.21 31120.1			

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

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

BASE	AS-BUILT
Summer Base Points: 44814.1	Summer As-Built Points: 37691.7
Total Summer X System = Cooling Points Multiplier Points	Total X Cap X Duct X System X Credit = Cooling Component Ratio Multiplier Multiplier Multiplier Points <small>(System - Points) (DM x DSM x AHU)</small>
44814.1 0.4266 19117.7	<small>(sys 1: Central Unit 36000 btuh ,SEER/EFF(10.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)</small> 37692 1.00 (1.09 x 1.147 x 0.91) 0.341 1.000 14635.7 37691.7 1.00 1.138 0.341 1.000 14635.7

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL,	PERMIT #:
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BASE			AS-BUILT							
Winter Base Points:		16280.3	Winter As-Built Points:			15934.7				
Total Winter Points	X System Multiplier	=	Heating Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Heating Points
16280.3	0.6274		10214.2	(sys 1: Electric Heat Pump 36000 btuh ,EFF(7.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0 15934.7 1.000 (1.069 x 1.169 x 0.93) 0.487 1.000 9021.4 15934.7 1.00 1.162 0.487 1.000 9021.4						

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

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

BASE				AS-BUILT										
WATER HEATING				Tank	EF	Number of	X	Tank	X	Multiplier	X	Credit	=	Total
Number of	X	Multiplier	=	Volume		Bedrooms		Ratio				Multiplier		
Bedrooms														
1		2635.00	=	40.0	0.93	1		1.00		2606.67		1.00		2606.7
As-Built Total:													2606.7	

CODE COMPLIANCE STATUS													
BASE					AS-BUILT								
Cooling	+	Heating	+	Hot Water	=	Total	Cooling	+	Heating	+	Hot Water	=	Total
Points		Points		Points		Points	Points		Points		Points		Points
19118		10214		2635		31967	14636		9021		2607		26264

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL,	PERMIT #:
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6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

AD070

Notice of Treatment

7011

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

Address: BAYVIEW
City: LC Phone: 752-1703

Site Location: Subdivision Cypress Lakes
Lot # _____ Block# _____ Permit # 24095
Address 408 SW Ridgeview Pl

<u>Product used</u>	<u>Active Ingredient</u>	<u>% Concentration</u>
<input type="checkbox"/> Premise	Imidacloprid	0.1%
<input type="checkbox"/> Termidor	Fipronil	0.12%
<input checked="" type="checkbox"/> Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: Soil Wood

<u>Area Treated</u>	<u>Square feet</u>	<u>Linear feet</u>	<u>Gallons Applied</u>
<u>Addition to Structure</u>	<u>1370</u>	<u>525</u>	<u>4</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

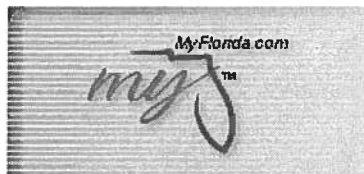
As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

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

3-23-06 0830 F254
Date Time Print Technician's Name

Remarks: _____

Applicator - White Permit File - Canary Permit Holder - Pink



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10:00:13 AM

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- Apply to Retake Exam
- Find Exam Information
- Find a CE Course
- File a Complaint
- AB&T Delinquent Invoice & Activity List Search

Licensee Details

Licensee Information

Name: **ZECHER, BRYAN CHRISTIAN (Primary Name)**
BRYAN ZECHER CONSTRUCTION INC (DBA)
Main Address: **P O BOX 815**
LAKE CITY, Florida 32056
Lic. Location: **465 NW ORANGE ST**
LAKE CITY, FL 32055 United States
Columbia

User Services

- Renew a License
- Change License Status
- Maintain Account
- Change My Address
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- View Continuing Ed

License Information

License Type: **Certified Building Contractor**
Rank: **Cert Building**
License Number: **CBC054575**
Status: **Current, Active**
Licensure Date: **12/05/1991**
Expires: **08/31/2006**

Term Glossary

Online Help

Special Qualifications	Effective Date
Bldg Code Core Course Credit	
Qualified Business License Required	04/13/2004

[View Related License Information](#)

[View License Complaint](#)

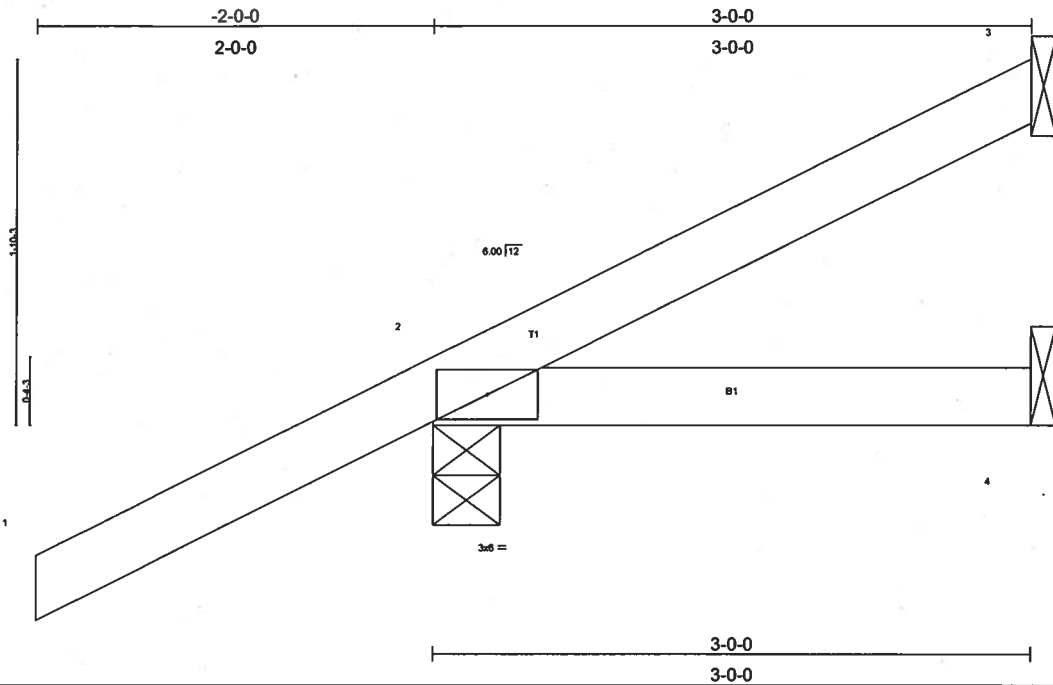
New Search E

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Job L142498	Truss CJ3	Truss Type MONO TRUSS	Qty 8	Ply 1	FRTZ&JOANNA AMRHEIN ADD Job Reference (optional)
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Builders FirstSource, Lake City, Fl 32055

6.200 s Jul 13 2005 Mittek Industries, Inc. Fri Dec 16 16:22:14 2005 Page 1



LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.30	Vert(LL) -0.00 2-4 >999 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.05	Vert(TL) -0.01 2-4 >999 180		
BCLL 10.0	Rep Stress Incr YES	WB 0.00	Horz(TL) -0.00 3 n/a n/a		
BCDL 5.0	Code FBC2004/TP12002	(Matrix)			Weight: 13 lb

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

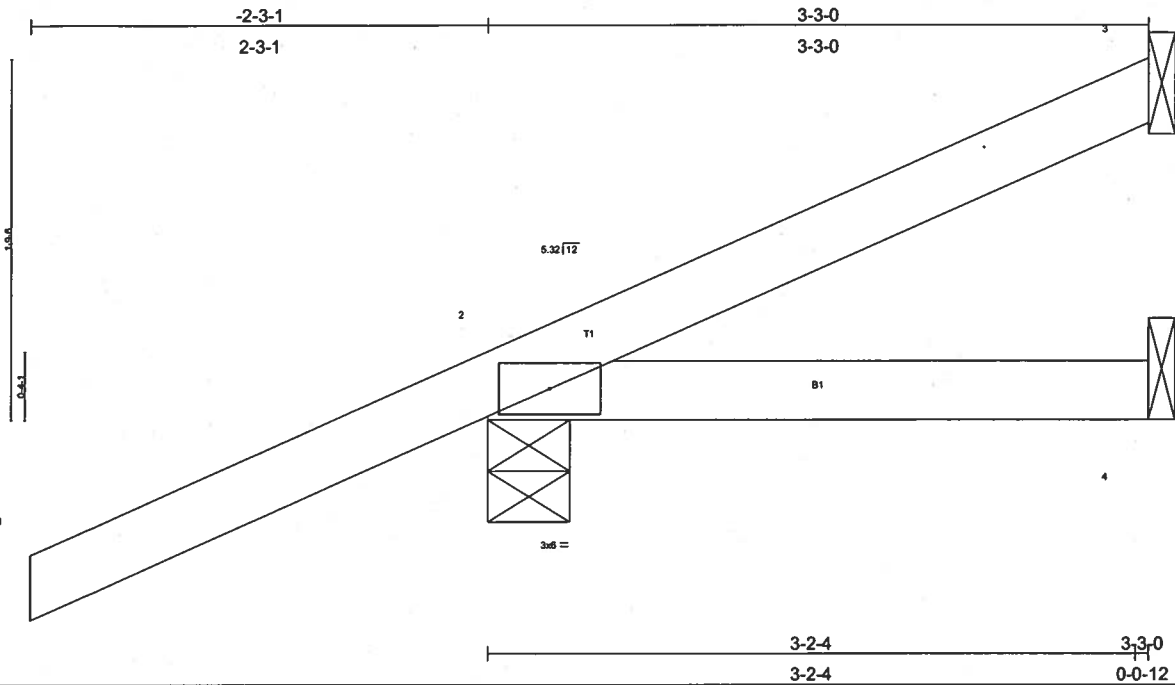
REACTIONS (lb/size) 3=29/Mechanical, 2=279/0-4-0, 4=42/Mechanical
 Max Horz 2=132(load case 5)
 Max Uplift 3=-27(load case 6), 2=-205(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-58/7
 BOT CHORD 2-4=0/0

NOTES
 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TC DL=4.2psf; BC DL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 2) Refer to girder(s) for truss to truss connections.
 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 27 lb uplift at joint 3 and 205 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	FRITZ&JOANNA AMRHEIN ADD
L142498	CJ3A	JACK	2	1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MITek Industries, Inc. Fri Dec 16 16:27:02 2005 Page 1		



LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.35	Vert(LL) -0.00 2-4 >999 240	MT20 244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.07	Vert(TL) -0.01 2-4 >999 180	
BCLL 10.0	Rep Stress Incr NO	WB 0.00	Horz(TL) -0.00 3 n/a n/a	Weight: 14 lb
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)		

LUMBER
 TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2

BRACING
 TOP CHORD Structural wood sheathing directly applied or 3-3-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=26/Mechanical, 2=313/0-4-14, 4=45/Mechanical
 Max Horz 2=129(load case 4)
 Max Uplift 3=25(load case 5), 2=236(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/49, 2-3=59/4
 BOT CHORD 2-4=0/0

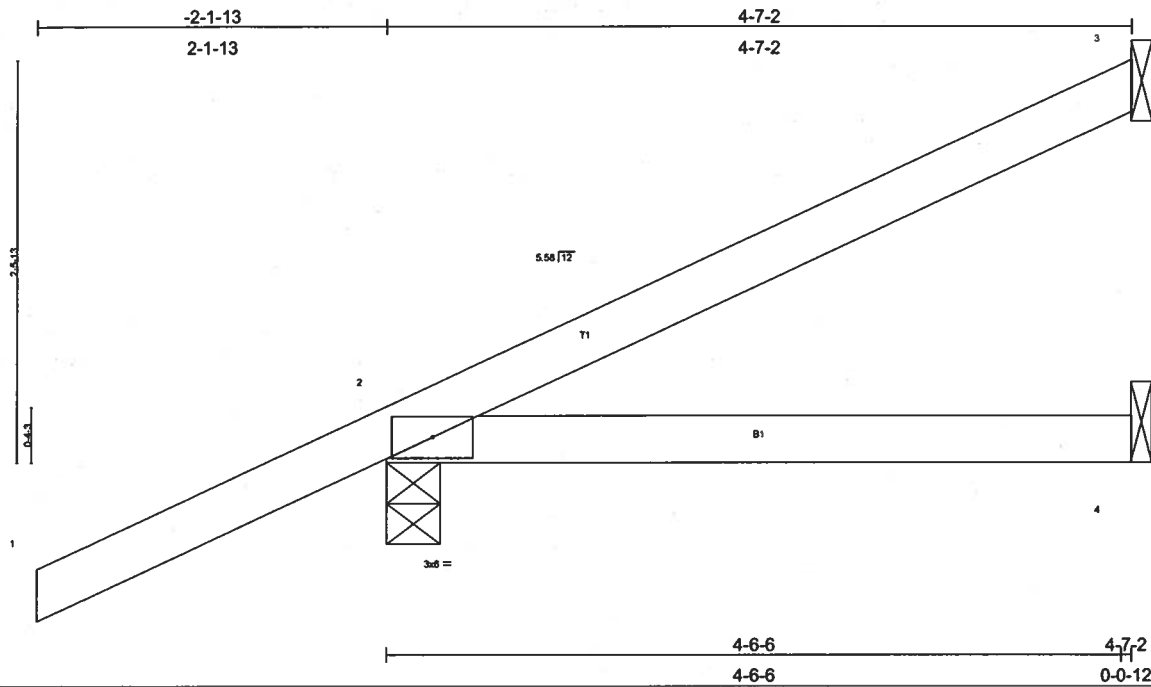
NOTES
 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
 2) Refer to girder(s) for truss to truss connections.
 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 3 and 236 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L142498	Truss CJ4	Truss Type JACK	Qty 2	Ply 1	FRTZ&JOANNA AMRHEIN ADD Job Reference (optional)
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Builders FirstSource, Lake City, FL 32055

6.200 s Jul 13 2005 MITek Industries, Inc. Fri Dec 16 16:28:28 2005 Page 1



LOADING (psf) TCLL 20.0 TCDL 7.0 BCLL 10.0 BCDL 5.0	SPACING 2-0-0 Plates Increase 1.25 Lumber Increase 1.25 Rep Stress Incr YES Code FBC2004/TPI2002	CSI TC 0.33 BC 0.14 WB 0.00 (Matrix)	DEFL in (loc) l/defl L/d Vert(LL) -0.02 2-4 >999 240 Vert(TL) -0.03 2-4 >999 180 Horz(TL) -0.00 3 n/a n/a	PLATES GRIP MT20 244/190 Weight: 18 lb
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LUMBER TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2	BRACING TOP CHORD Structural wood sheathing directly applied or 4-7-2 oc purlins. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
---	---

REACTIONS (lb/size) 3=85/Mechanical, 2=342/0-4-0, 4=66/Mechanical
Max Horz 2=161(load case 5)
Max Uplift 3=65(load case 5), 2=-216(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-68/27
BOT CHORD 2-4=0/0

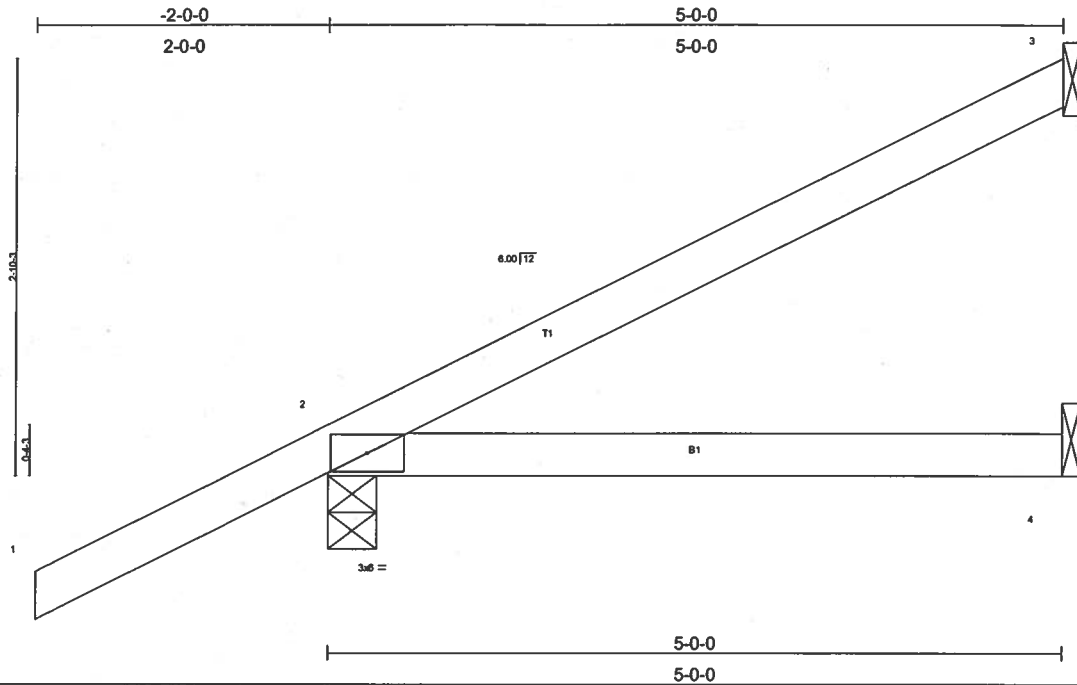
- NOTES**
- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCCL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 - 2) Refer to girder(s) for truss to truss connections.
 - 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 65 lb uplift at joint 3 and 216 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L142498	Truss CJ5	Truss Type MONO TRUSS	Qty 8	Ply 1	FRTZ&JOANNA AMRHEIN ADD Job Reference (optional)
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Builders FirstSource, Lake City, Fl 32055

6.200 s Jul 13 2005 Mitek Industries, Inc. Fri Dec 16 16:30:03 2005 Page 1



LOADING (psf)	SPACING 2-0-0	CSI	DEFL	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.30	In (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.16	Vert(LL) -0.03 2-4 >999 240		
BCLL 10.0	Rep Stress Incr YES	WB 0.00	Vert(TL) -0.05 2-4 >999 180		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)	Horz(TL) -0.00 3 n/a n/a		
				Weight: 19 lb	

LUMBER
 TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2

BRACING
 TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

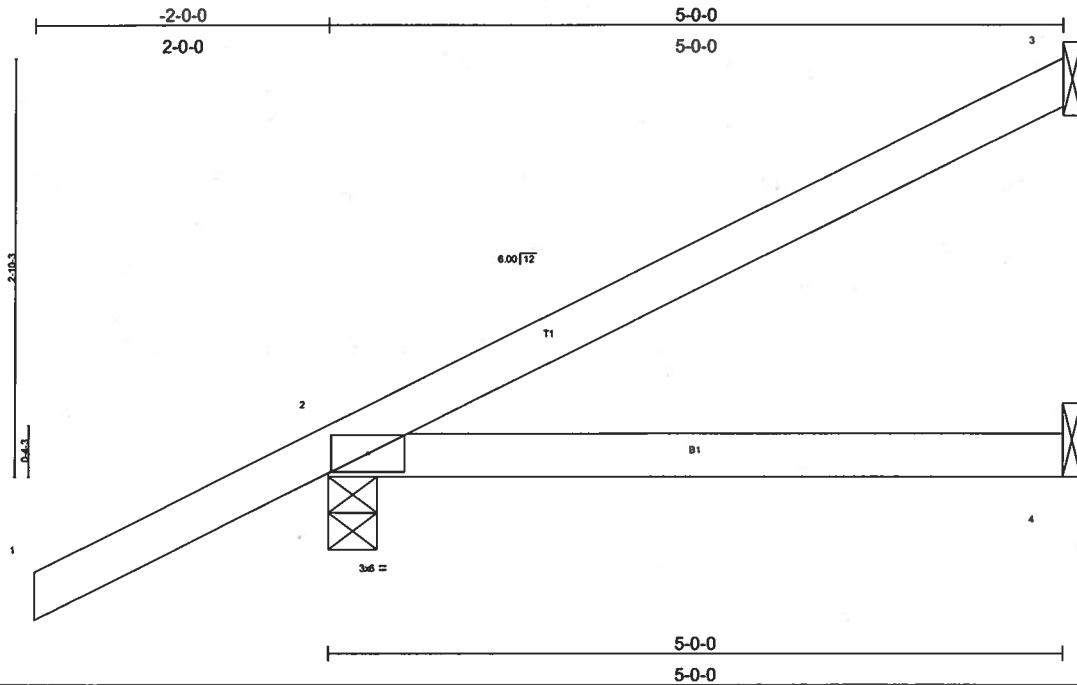
REACTIONS (lb/size) 3=102/Mechanical, 2=344/0-4-0, 4=72/Mechanical
 Max Horz 2=178(load case 5)
 Max Uplift 3=86(load case 5), 2=201(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=87/36
 BOT CHORD 2-4=0/0

NOTES
 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TC:DL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 2) Refer to girder(s) for truss to truss connections.
 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 86 lb uplift at joint 3 and 201 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L142498	Truss EJ5	Truss Type JACK	Qty 2	Ply 1	FRITZ&JOANNA AMRHEIN ADD
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)



LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.30	Vert(LL) -0.03 2-4 >999 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.16	Vert(TL) -0.05 2-4 >999 180		
BCLL 10.0	Rep Stress Incr YES	WB 0.00	Horz(TL) -0.00 3 n/a n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)			Weight: 19 lb

LUMBER
 TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2

BRACING
 TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=102/Mechanical, 2=344/0-4-0, 4=72/Mechanical
 Max Horz 2=178(load case 5)
 Max Uplift 3=86(load case 5), 2=201(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-87/36
 BOT CHORD 2-4=0/0

NOTES
 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TC DL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 2) Refer to girder(s) for truss to truss connections.
 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 86 lb uplift at joint 3 and 201 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L142498	Truss EJ7	Truss Type MONO TRUSS	Qty 8	Ply 1	FRTZ&JOANNA AMRHEIN ADD Job Reference (optional)
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Builders FirstSource, Lake City, FL 32055

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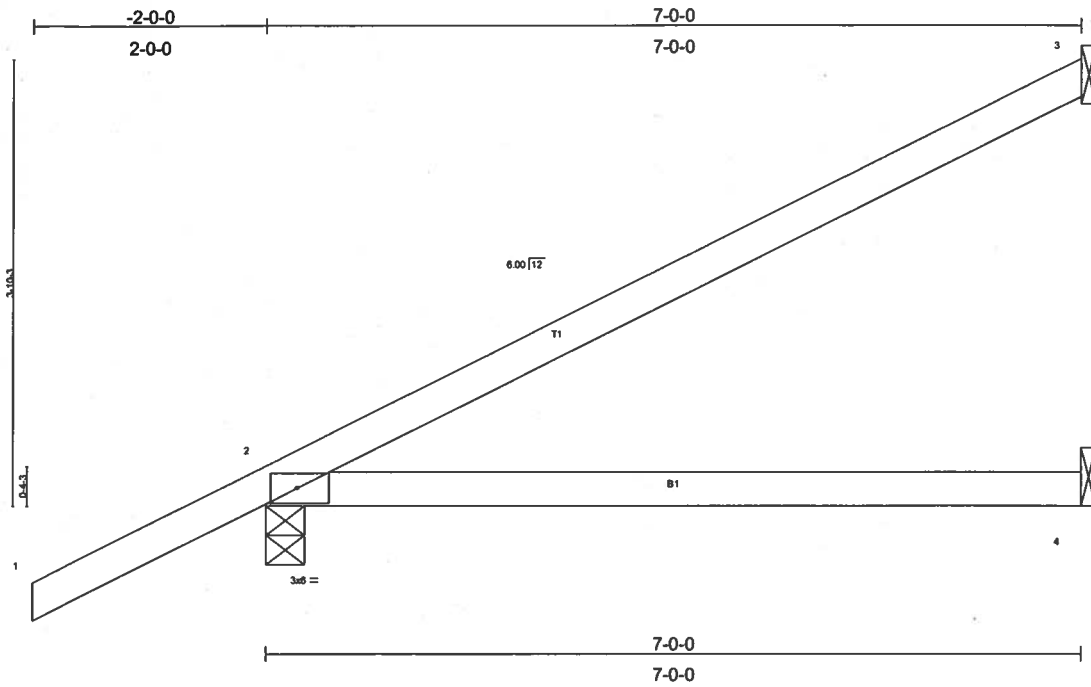


Plate Offsets (X,Y): [2-0-2-12,0-1-8]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.48	in (loc) l/def L/d	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.34	Ver(LL) -0.12 2-4 >674 240		
BCLL 10.0	Rep Stress Incr YES	WB 0.00	Ver(TL) -0.20 2-4 >403 180		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)	Horz(TL) -0.00 3 n/a n/a		
				Weight: 26 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=162/Mechanical, 2=420/0-4-0, 4=104/Mechanical
Max Horz 2=224(load case 5)
Max Uplift 3=-133(load case 5), 2=-211(load case 5)

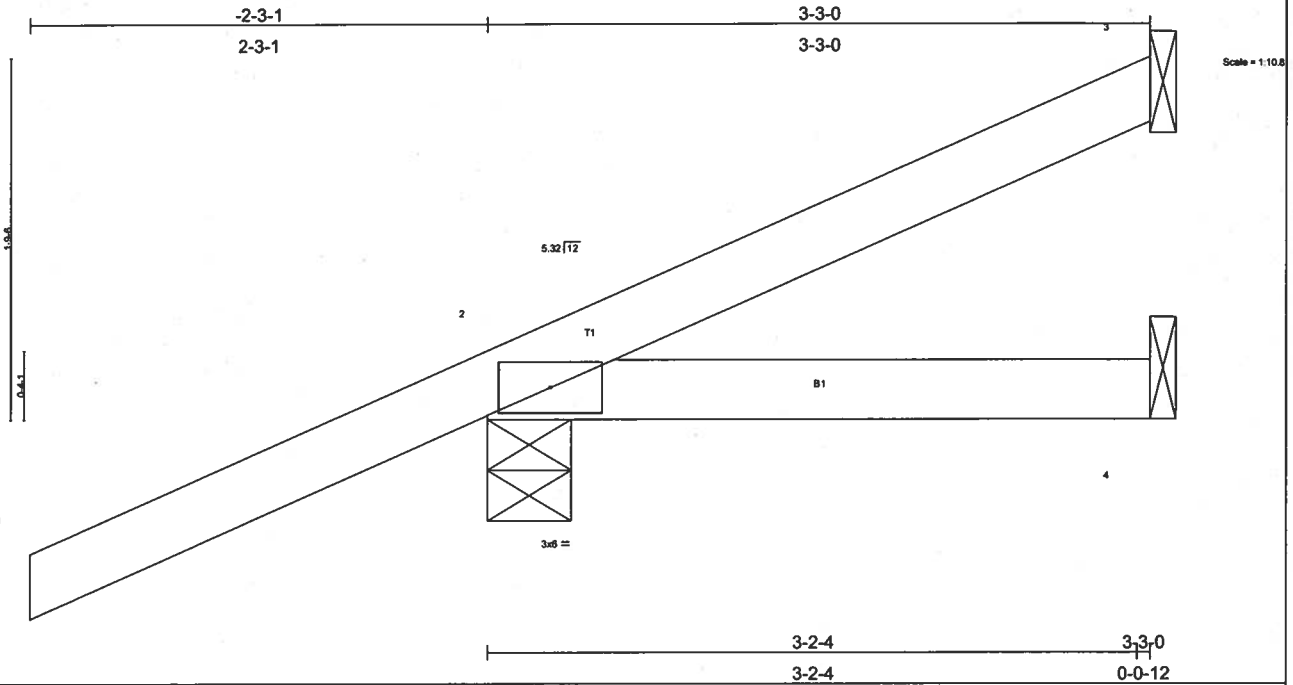
FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-119/58
BOT CHORD 2-4=0/0

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf, BCCL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 133 lb uplift at joint 3 and 211 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L142498	Truss HJ3	Truss Type JACK	Qty 2	Ply 1	FRTZ&JOANNA AMRHEIN ADD
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)
					6.200 s Jul 13 2005 Mittek Industries, Inc. Fri Dec 23 08:48:55 2005 Page 1



LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.35	Vert(LL) -0.00 2-4 >999 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.03	Vert(TL) -0.00 2-4 >999 180		
BCLL 10.0	Rep Stress Incr NO	WB 0.00	Horz(TL) -0.00 3 n/a n/a		
BCDL 5.0	Code FBC2004/TP12002	(Matrix)			Weight: 14 lb

LUMBER
 TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2

BRACING
 TOP CHORD Structural wood sheathing directly applied or 3-3-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=-10/Mechanical, 2=224/0-4-14, 4=24/Mechanical
 Max Horz 2=84(load case 4)
 Max Uplift 3=-10(load case 1), 2=-203(load case 4)
 Max Grav 3=47(load case 6), 2=224(load case 1), 4=24(load case 1)

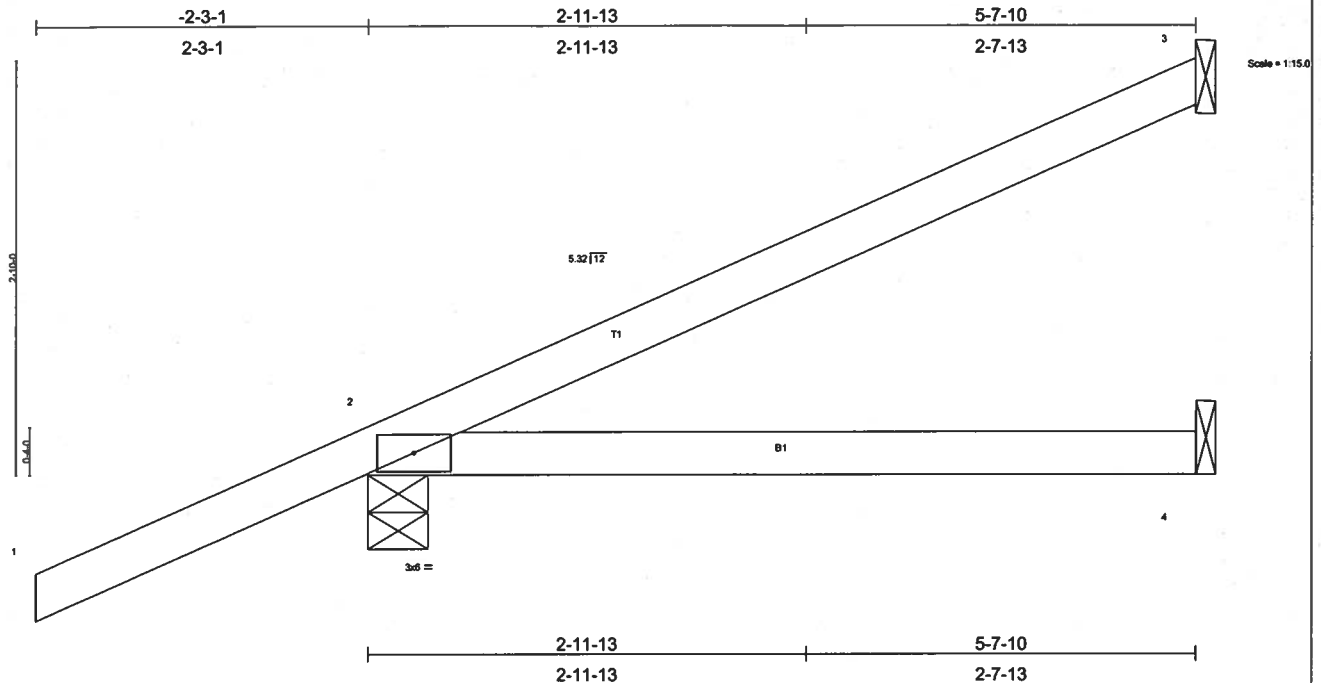
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/49, 2-3=-35/20
 BOT CHORD 2-4=0/0

NOTES
 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
 2) Refer to girder(s) for truss to truss connections.
 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 10 lb uplift at joint 3 and 203 lb uplift at joint 2.
 4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-54
 Trapezoidal Loads (plf)
 Vert: 2=-3(F=26, B=26)-to-3=-44(F=5, B=5), 2=0(F=15, B=15)-to-4=-24(F=3, B=3)

Job L142498	Truss HJ5	Truss Type JACK	Qty 2	Ply 1	FRITZ&JOANNA AMRHEIN ADD Job Reference (optional)
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LOADING (psf) TCLL 20.0 TCDL 7.0 BCLL 10.0 BCDL 5.0	SPACING 2-0-0 Plates Increase 1.25 Lumber Increase 1.25 Rep Stress Incr NO Code FBC2004/TP12002	CSI TC 0.35 BC 0.16 WB 0.00 (Matrix)	DEFL in (loc) l/defl L/d Vert(LL) -0.03 2-4 >999 240 Vert(TL) -0.05 2-4 >999 180 Horz(TL) -0.00 3 n/a n/a	PLATES GRIP MT20 244/190 Weight: 21 lb
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LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-7-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

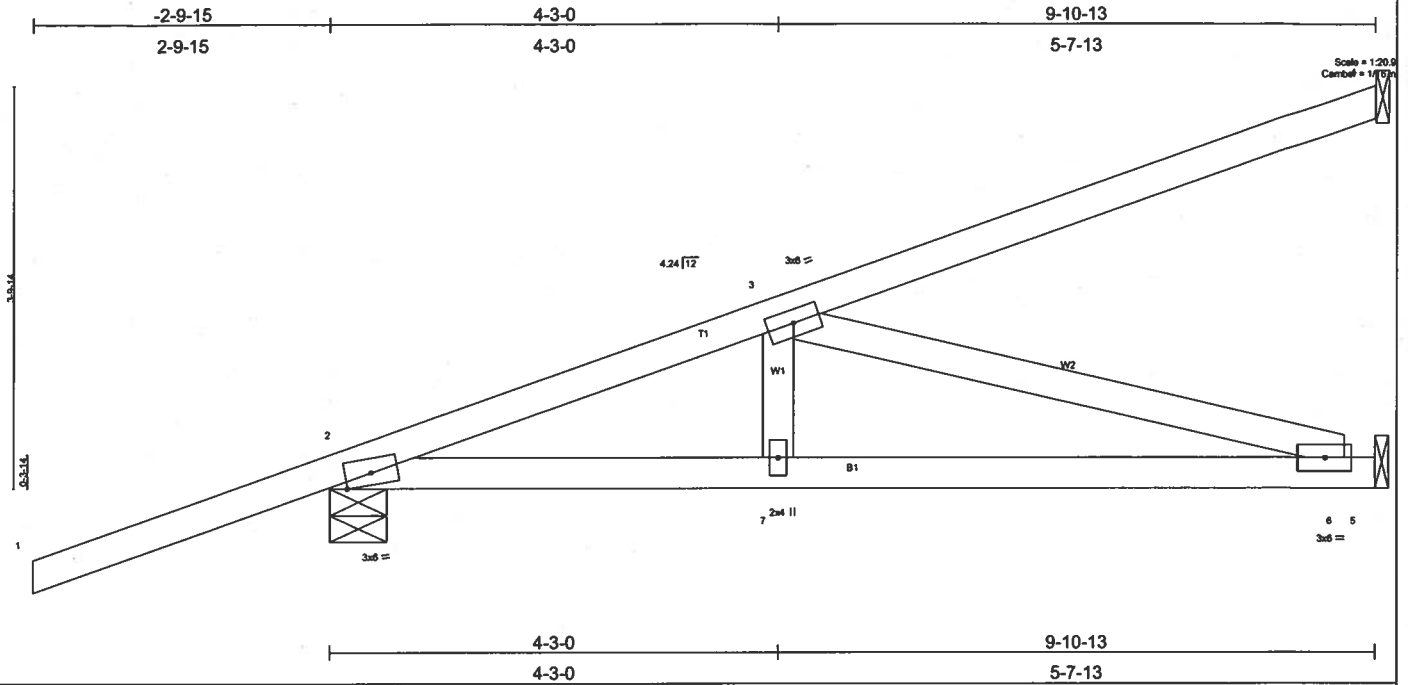
REACTIONS (lb/size) 3=108/Mechanical, 2=274/0-4-14, 4=76/Mechanical
Max Horz 2=141(load case 4)
Max Uplift 3=84(load case 4), 2=181(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=49/29
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf, BCDL=3.0psf, Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 84 lb uplift at joint 3 and 181 lb uplift at joint 2.
4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-3(F=26, B=26)-to-3=-76(F=-11, B=-11), 2=0(F=15, B=15)-to-4=-42(F=-6, B=-6)

Job L142498	Truss HJ9	Truss Type MONO TRUSS	Qty 4	Ply 1	FRITZ&JOANNA AMRHEIN ADD
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 MITek Industries, Inc. Fri Dec 23 07:48:30 2005 Page 1		



LOADING (psf)	SPACING 2-0-0	CSI	DEFL	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.61	In (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.57	Vert(LL) -0.10 6-7 >999 240		
BCLL 10.0	Rep Stress Incr NO	WB 0.46	Vert(TL) -0.17 6-7 >686 180		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)	Horz(TL) 0.01 5 n/a n/a		
				Weight: 45 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2 X 4 SYP No.3	

REACTIONS (lb/size) 4=269/Mechanical, 2=537/0-6-6, 5=373/Mechanical
 Max Horz 2=272(load case 2)
 Max Uplift 4=-241(load case 2), 2=-280(load case 2), 5=64(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/50, 2-3=-874/118, 3-4=-108/66
 BOT CHORD 2-7=-311/808, 6-7=-311/808, 5-6=0/0
 WEBS 3-7=0/177, 3-6=-840/324

- NOTES**
- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
 - 2) Refer to girder(s) for truss to truss connections.
 - 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 241 lb uplift at joint 4, 280 lb uplift at joint 2 and 64 lb uplift at joint 5.
 - 4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-54
 Trapezoidal Loads (plf)
 Vert: 2=-4(F=25, B=25)-to-4=-134(F=40, B=40), 2=0(F=15, B=15)-to-5=-74(F=-22, B=-22)

Job L142498	Truss T01	Truss Type SPECIAL	Qty 4	Ply 1	FRITZ&JOANNA AMRHEIN ADD
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)
					6.200 s Jul 13 2005 MITek Industries, Inc. Fri Dec 23 07:59:13 2005 Page 1

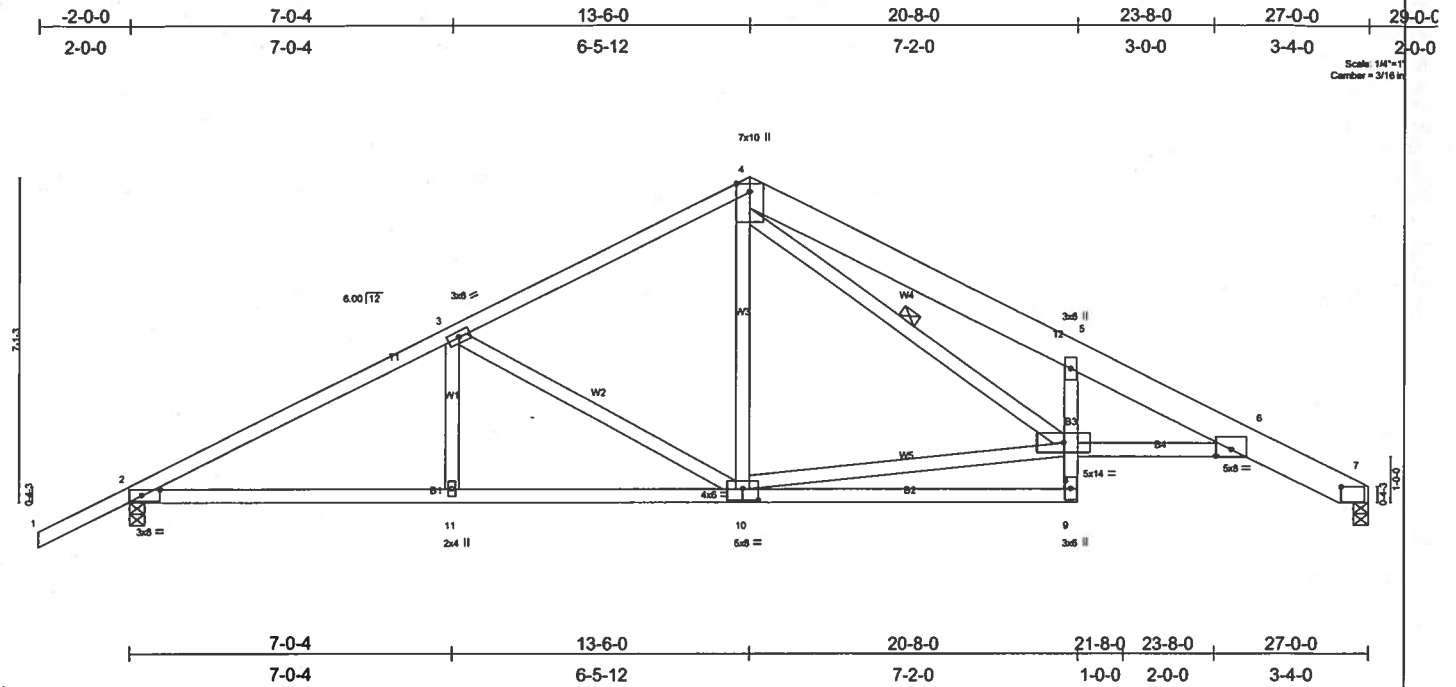


Plate Offsets (X,Y): [2:0-4-12,0-1-8], [10:0-4-0,0-3-0], [10:13-0-11,0-0-8]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.65	Vert(LL) -0.27 6-8 >999 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.90	Vert(TL) -0.44 6-8 >735 180		
BCLL 10.0	Rep Stress Incr YES	WB 0.56	Horz(TL) 0.22 7 n/a n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)			Weight: 161 lb

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2 *Except* T2 2 X 8 SYP 2400F 2.0E	TOP CHORD Structural wood sheathing directly applied or 4-1-14 oc purlins.
BOT CHORD 2 X 4 SYP No.2 *Except* B3 2 X 4 SYP No.3	BOT CHORD Rigid ceiling directly applied or 8-1-5 oc bracing.
WEBS 2 X 4 SYP No.3	WEBS 1 Row at midpt 4-8

REACTIONS (lb/size) 7=1070/0-4-0, 2=1240/0-4-0
 Max Horz 2=155(load case 5)
 Max Uplift 7=-361(load case 6), 2=-491(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=1955/805, 3-4=1354/664, 4-5=-2860/1407, 5-6=-2786/1203, 6-7=-410/201
 BOT CHORD 2-11=608/1666, 10-11=608/1666, 9-10=-67/332, 8-9=0/112, 5-8=-741/513, 6-8=-1066/2679
 WEBS 3-11=0/214, 3-10=-613/331, 4-10=-86/413, 8-10=-253/813, 4-8=-865/1719

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TC:DL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 - Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 361 lb uplift at joint 7 and 491 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L142498	Truss T01A	Truss Type COMMON	Qty 1	Ply 1	FRTZ&JOANNA AMRHEIN ADD Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Fri Dec 23 09:38:57 2005 Page 1		

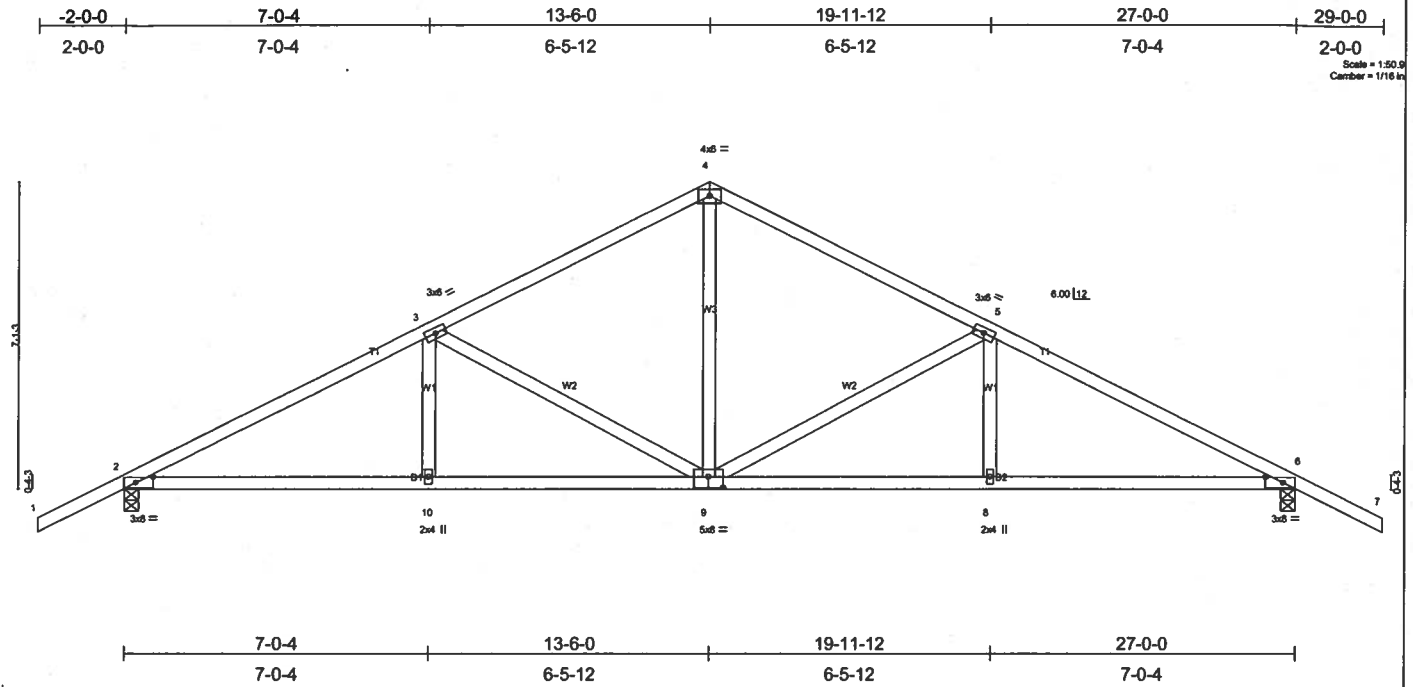


Plate Offsets (X,Y): [2:0-4-12,0-1-8], [6:0-4-12,0-1-8], [9:0-4-0,0-3-0]					
LOADING (psf)	SPACING 2-0-0	CSI	DEFL	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.33	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.44	Vert(LL) -0.12 2-10 >999 240		
BCLL 10.0	Rep Stress Incr YES	WB 0.61	Vert(TL) -0.19 2-10 >999 180		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)	Horz(TL) -0.07 2 n/a n/a		Weight: 132 lb

LUMBER
 TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2
 WEBS 2 X 4 SYP No.3

BRACING
 TOP CHORD Structural wood sheathing directly applied or 4-2-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 8-9-4 oc bracing.

REACTIONS (lb/size) 6=1237/0-4-0, 2=1237/0-4-0
 Max Horz 6=-133(load case 6)
 Max Uplift 6=-490(load case 6), 2=-490(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 4-5=-1334/642, 5-6=-1953/789, 6-7=0/47, 1-2=0/47, 2-3=-1953/789, 3-4=-1335/643
 BOT CHORD 2-10=-518/1664, 9-10=-518/1664, 8-9=-518/1665, 6-8=-518/1665
 WEBS 5-8=0/221, 5-9=-642/338, 4-9=-290/780, 3-9=-641/338, 3-10=0/220

NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCCL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 490 lb uplift at joint 6 and 490 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L142498	Truss T03	Truss Type SPECIAL	Qty 1	Ply 1	FRITZ&JOANNA AMRHEIN ADD Job Reference (optional)
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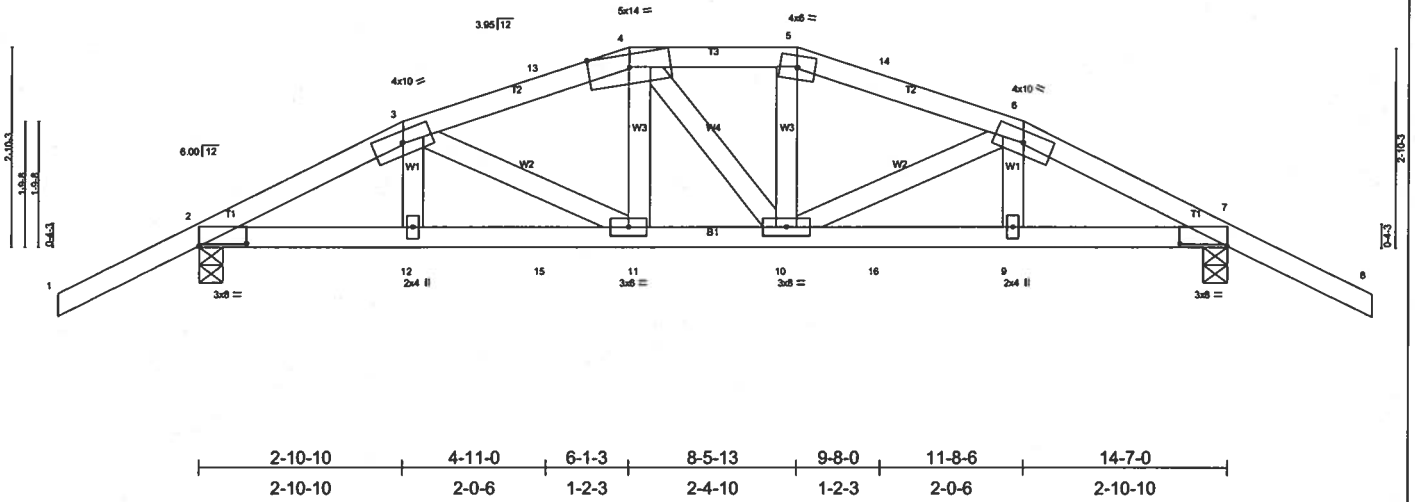
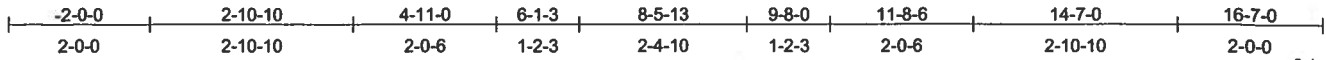


Plate Offsets (X,Y): [2:0-8-0-0-6], [7:0-8-0-0-6]					
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.27	in (loc) l/def L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.50	Vert(LL) -0.07 11-12 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.14	Vert(TL) -0.11 11-12 >999 180		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.04 7 n/a n/a		
	Code FBC2004/TPI2002				Weight: 77 lb

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 4-1-13 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 7-3-8 oc bracing.
WEBS 2 X 4 SYP No.3	

REACTIONS (lb/size) 2=1285/0-4-0, 7=1285/0-4-0
 Max Horz 2=73(load case 5)
 Max Uplift 2=593(load case 4), 7=593(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-2144/799, 3-13=-2119/873, 4-13=-2063/867, 4-5=-2012/859, 5-14=-2066/867, 6-14=-2122/873, 6-7=-2142/798, 7-8=0/47
 BOT CHORD 2-12=-648/1843, 12-15=-648/1856, 11-15=-648/1856, 10-11=-763/2008, 10-16=-652/1854, 9-16=-652/1854, 7-9=-651/1841
 WEBS 3-12=-7/159, 3-11=-120/194, 4-11=-124/403, 4-10=-69/81, 5-10=-138/421, 6-10=-121/201, 6-9=-6/157

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
 - Provide adequate drainage to prevent water ponding.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 593 lb uplift at joint 2 and 593 lb uplift at joint 7.
 - Girder carries hip end with 2-10-10 end setback.
 - Girder carries hip end with 6-1-3 right side setback, 6-1-3 left side setback, and 5-0-0 end setback.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 85 lb down and 32 lb up at 4-11-0, and 85 lb down and 32 lb up at 9-8-0 on top chord, and 56 lb down and 29 lb up at 11-8-6, 56 lb down and 29 lb up at 2-10-10, 299 lb down and 154 lb up at 8-5-13, 299 lb down and 154 lb up at 6-1-3, and 66 lb down and 25 lb up at 4-11-0, and 66 lb down and 25 lb up at 9-8-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-3=-54, 3-4=-54, 4-5=-90(F=-36), 5-6=-54, 6-8=-54, 2-11=-30, 10-11=-50(F=-20), 7-10=-30
 Concentrated Loads (lb)
 Vert: 12=-56(F) 11=-299(F) 10=-299(F) 9=-56(F) 13=-85(F) 14=-85(F) 15=-66(F) 16=-66(F)

Job L142498	Truss T05	Truss Type HIP	Qty 2	Ply 1	FRITZ&JOANNA AMRHEIN ADD Job Reference (optional)
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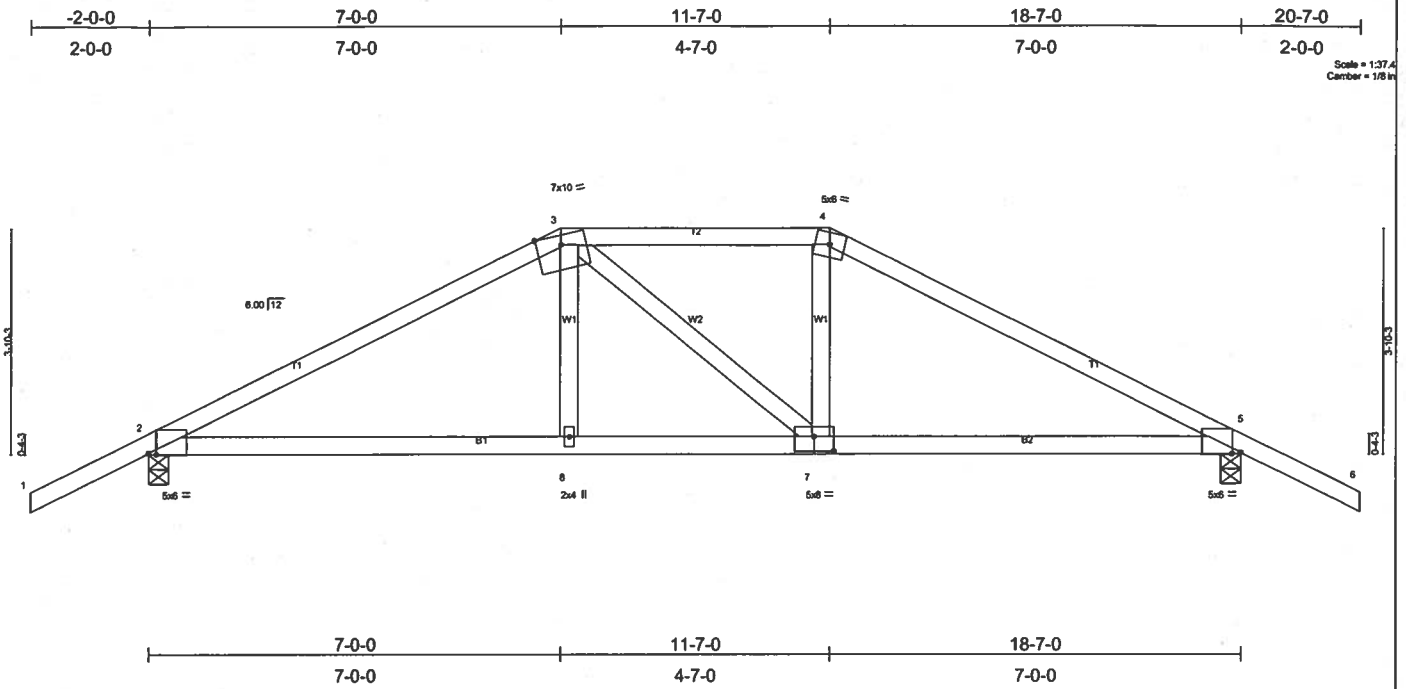


Plate Offsets (X,Y): [2-0-1-11,Edge], [5-0-1-11,Edge], [7-0-4-0,0-3-0]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.51	Vert(LL) -0.20 5-7 >999 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.88	Vert(TL) -0.34 5-7 >636 180		
BCLL 10.0	Rep Stress Incr NO	WB 0.14	Horz(TL) 0.07 5 n/a n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)			Weight: 82 lb

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 3-4-8 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 6-4-9 oc bracing.
WEBS 2 X 4 SYP No.3	

REACTIONS (lb/size) 2=1694/0-4-0, 5=1694/0-4-0
 Max Horz 2=87(load case 4)
 Max Uplift 2=-746(load case 4), 5=-746(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-2682/1176, 3-4=-2357/1105, 4-5=-2677/1177, 5-6=0/47
 BOT CHORD 2-8=-973/2333, 7-8=-970/2348, 5-7=-941/2329
 WEBS 3-8=0/377, 3-7=-109/132, 4-7=0/442

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCCL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
 - Provide adequate drainage to prevent water ponding.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 746 lb uplift at joint 2 and 746 lb uplift at joint 5.
 - Girder carries hip end with 7-0-0 end setback.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 347 lb down and 316 lb up at 11-7-0, and 347 lb down and 316 lb up at 7-0-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-3=-54, 3-4=-117(F=-63), 4-6=-54, 2-5=-65(F=-35)
 Concentrated Loads (lb)
 Vert: 3=-347(F) 4=-347(F)

Job L142498	Truss T06	Truss Type HIP	Qty 2	Ply 1	FRTZ&JOANNA AMRHEIN ADD Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Fri Dec 23 08:22:31 2005 Page 1		

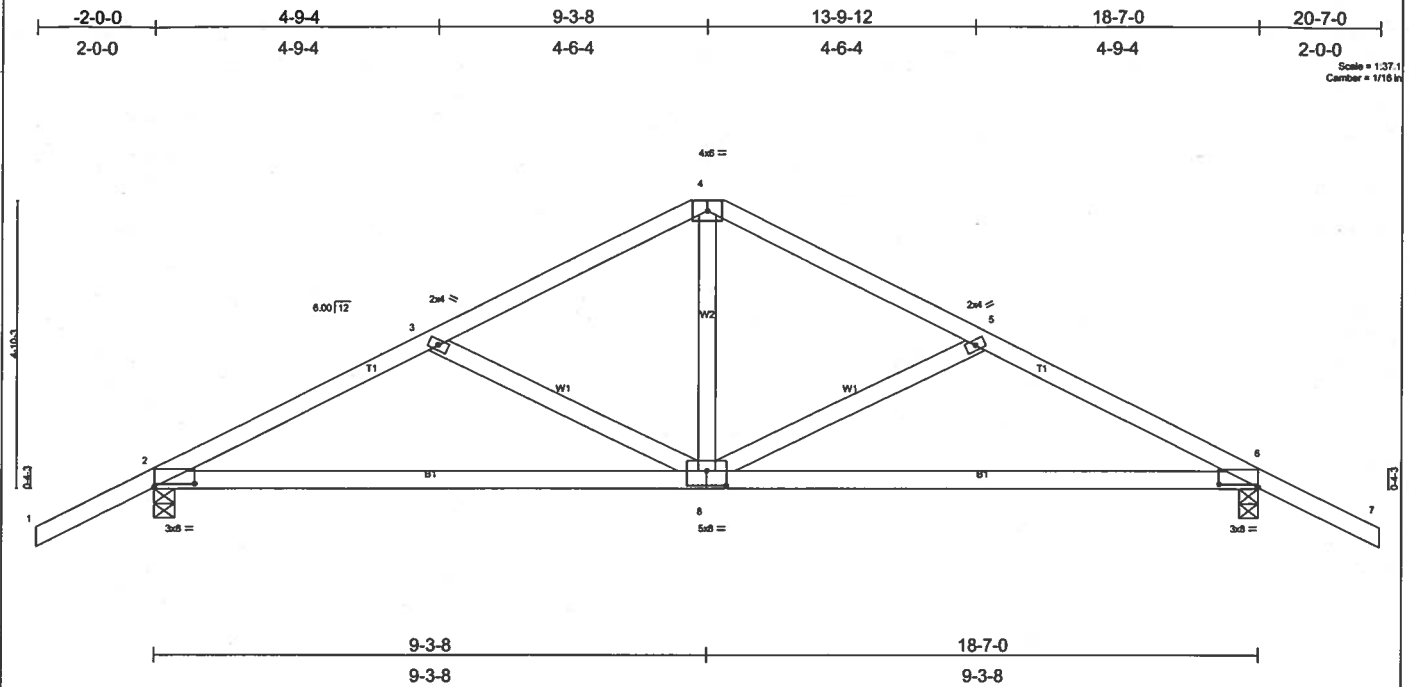


Plate Offsets (X, Y): [2:0-8-0,0-0-10], [6:0-8-0,0-0-10], [8:0-4-0,0-3-0]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.30	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.49	Vert(LL) -0.13 2-8 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.17	Vert(TL) -0.22 2-8 >998 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.03 6 n/a n/a		
	Code FBC2004/TPI2002				Weight: 87 lb

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 5-5-12 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2 X 4 SYP No.3	

REACTIONS (lb/size) 2=883/0-4-0, 6=883/0-4-0
 Max Horz 2=-103(load case 6)
 Max Uplift 2=-377(load case 5), 6=-377(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-1202/509, 3-4=-940/394, 4-5=-940/394, 5-6=-1202/509, 6-7=0/47
 BOT CHORD 2-8=-310/1034, 6-8=-293/1034
 WEBS 3-8=-295/224, 5-8=-295/224, 4-8=-125/539

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-02: 110mph (3-second gust); h=20ft; TC:DL=4.2psf; BC:DL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 377 lb uplift at joint 2 and 377 lb uplift at joint 6.

LOAD CASE(S) Standard

Job L142498	Truss T07	Truss Type COMMON	Qty 2	Ply 1	FRITZ&JOANNA AMRHEIN ADD Job Reference (optional)
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Builders FirstSource, Lake City, FL 32055

6.200 s Jul 13 2005 MITek Industries, Inc. Fri Dec 23 08:23:01 2005 Page 1

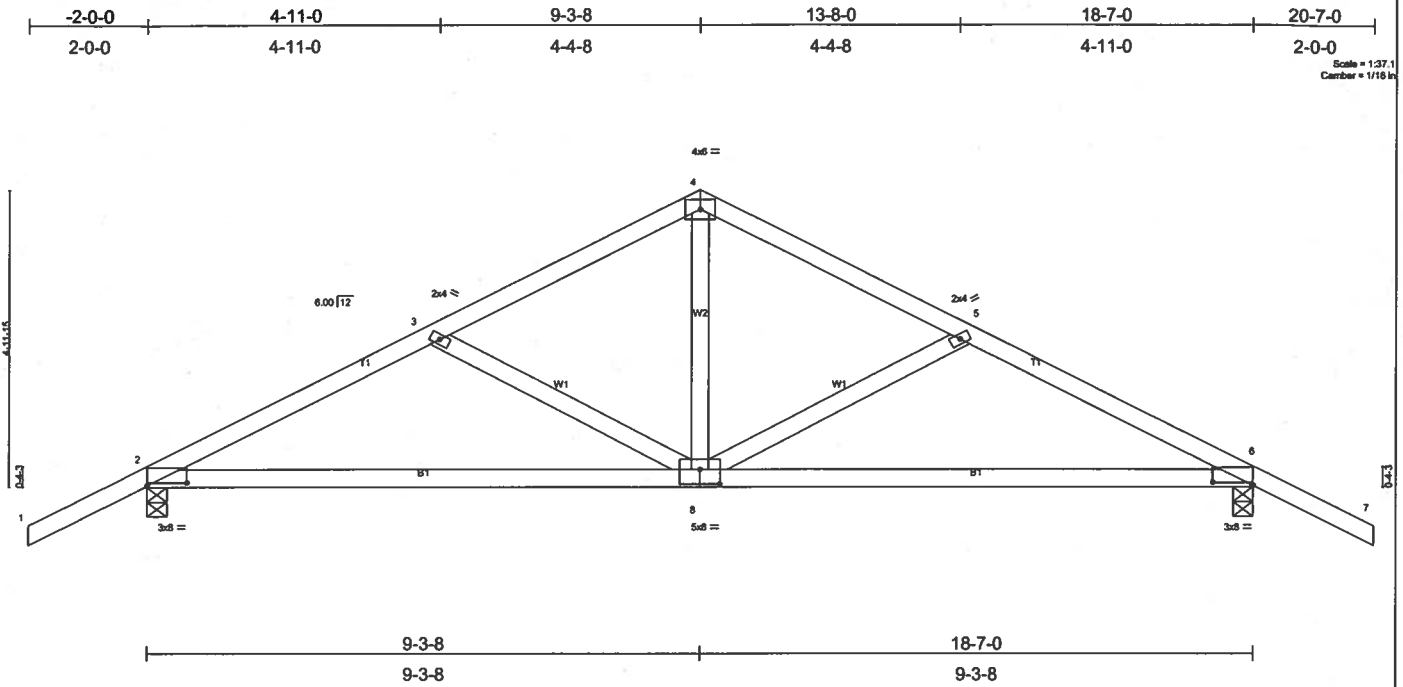


Plate Offsets (X,Y): [2:0-8-0,0-0-10], [6:0-8-0,0-0-10], [8:0-4-0,0-3-0]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.30	Vert(LL) -0.13 2-8 >999 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.49	Vert(TL) -0.22 2-8 >986 180		
BCLL 10.0	Rep Stress Incr YES	WB 0.18	Horz(TL) 0.03 6 n/a n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)			Weight: 87 lb

LUMBER
 TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2
 WEBS 2 X 4 SYP No.3

BRACING
 TOP CHORD Structural wood sheathing directly applied or 5-5-11 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=883/0-4-0, 6=883/0-4-0
 Max Horz 2=-103(load case 6)
 Max Uplift 2=-377(load case 5), 6=-377(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-1196/505, 3-4=-938/395, 4-5=-938/395, 5-6=-1196/505, 6-7=0/47
 BOT CHORD 2-8=-305/1027, 6-8=-288/1027
 WEBS 3-8=-291/223, 4-8=-136/551, 5-8=-291/223

NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 377 lb uplift at joint 2 and 377 lb uplift at joint 6.

LOAD CASE(S) Standard

Job L142498	Truss T08	Truss Type COMMON	Qty 5	Ply 1	FRITZ&JOANNA AMRHEIN ADD
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)
6.200 s Jul 13 2005 MITek Industries, Inc. Fri Dec 23 08:45:28 2005 Page 1					

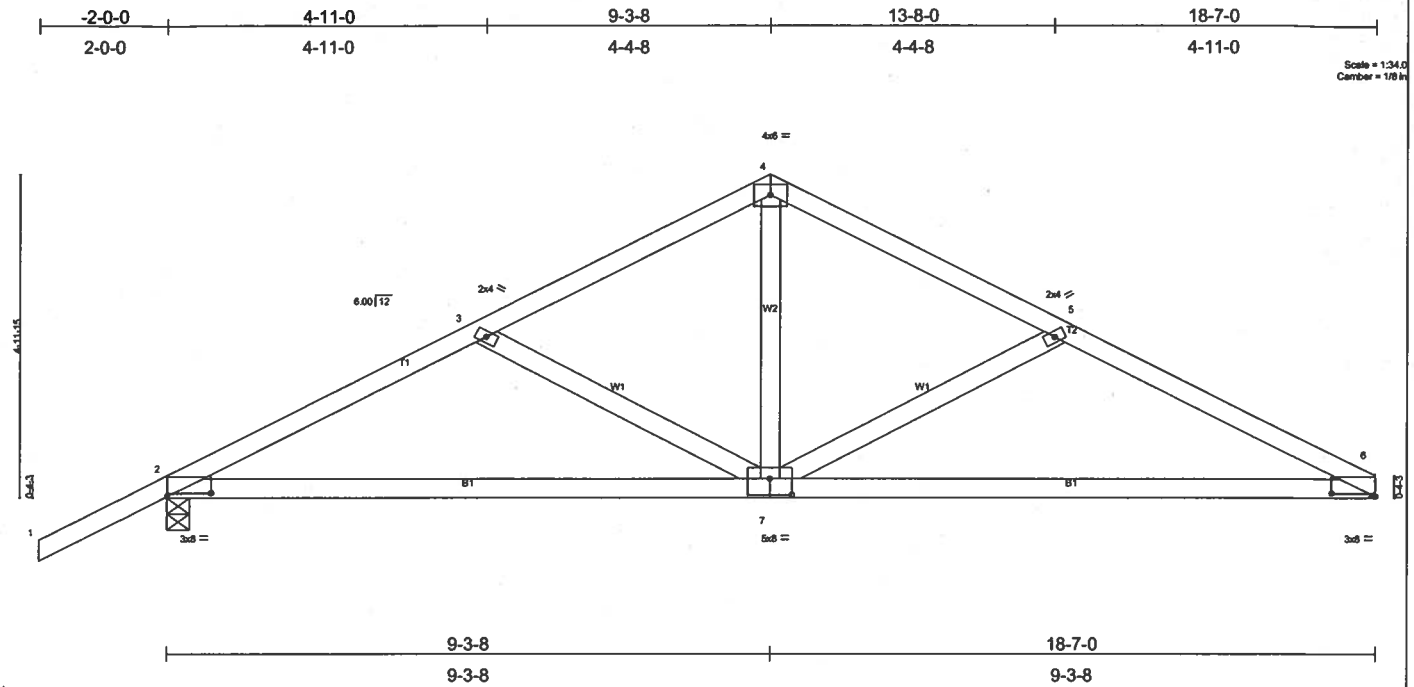


Plate Offsets (X,Y): [2:0-8-0,0-0-10], [6:0-8-0,0-0-10], [7:0-4-0,0-3-0]					
LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/def L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.30	Vert(LL) -0.17 6-7 >999 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.52	Vert(TL) -0.28 6-7 >790 180		
BCLL 10.0	Rep Stress Incr YES	WB 0.19	Horz(TL) 0.03 6 n/a n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)			Weight: 83 lb

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 5-1-11 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 9-4-3 oc bracing.
WEBS 2 X 4 SYP No.3	

REACTIONS (lb/size) 6=764/Mechanical, 2=895/0-4-0
 Max Horz 2=128(load case 5)
 Max Uplift 6=-248(load case 6), 2=-381(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-1223/537, 3-4=-965/427, 4-5=-968/430, 5-6=-1255/574
 BOT CHORD 2-7=-393/1051, 6-7=-444/1093
 WEBS 3-7=-290/222, 4-7=-175/583, 5-7=-336/280

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 248 lb uplift at joint 6 and 381 lb uplift at joint 2.

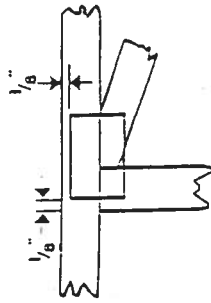
LOAD CASE(S) Standard

Symbols

PLATE LOCATION AND ORIENTATION



* Center plate on joint unless dimensions indicate otherwise. Dimensions are in inches. Apply plates to both sides of truss and securely seat.



* For 4 x 2 orientation, locate plates 1/8" from outside edge of truss and vertical web.



* This symbol indicates the required direction of slots in connector plates.

PLATE SIZE

4 X 4

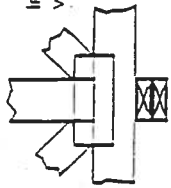
The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING



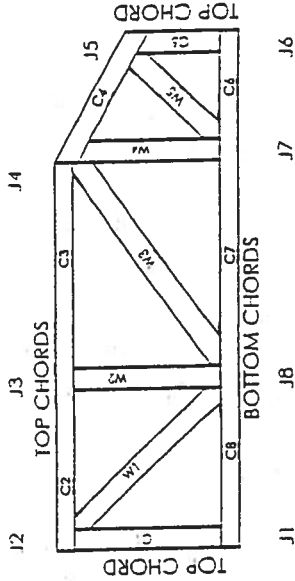
Indicates location of required continuous lateral bracing.

BEARING



Indicates location of joints at which bearings (supports) occur.

Numbering System



JOINTS AND CHORDS ARE NUMBERED CLOCKWISE AROUND THE TRUSS STARTING AT THE LOWEST JOINT FARTHEST TO THE LEFT.

WEBS ARE NUMBERED FROM LEFT TO RIGHT

CONNECTOR PLATE CODE APPROVALS

BOCA	96-31, 96-67
ICBO	3907, 4922
SBCCI	9667, 9432A
WISC/DIHR	960022-W, 970036-H
IER	561



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
2. Cut members to bear tightly against each other.
3. Place plates on each face of truss at each joint and embed fully. Avoid knots and wane at joint locations.
4. Unless otherwise noted, locate chord splices at 1/2 panel length (± 6" from adjacent joint.)
5. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
6. Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
7. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
8. Plate type, size and location dimensions shown indicate minimum plating requirements.
9. Lumber shall be of the species and size, and in all respects, equal to or better than the grade specified.
10. Top chords must be sheathed or purlins provided at spacing shown on design.
11. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
12. Anchorage and / or load transferring connections to trusses are the responsibility of others unless shown.
13. Do not overload roof or floor trusses with stacks of construction materials.
14. Do not cut or alter truss member or plate without prior approval of a professional engineer.
15. Care should be exercised in handling, erection and installation of trusses.

Residential System Sizing Calculation

Summary

Amrhein, Friz & Joanna Addition
Lake City, FL

Project Title:
601045ZecherBryanAmrhein,Friz&JoannaAddition

Class 3 Rating
Registration No. 0
Climate: North

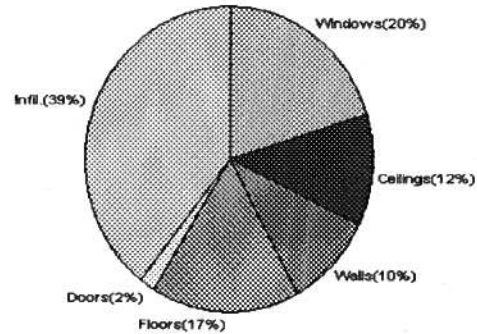
1/10/2006

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation	30547 Btuh	Total cooling load calculation	28136 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	117.9 36000	Sensible (SHR = 0.75)	121.8 27000
Heat Pump + Auxiliary(0.0kW)	117.9 36000	Latent	150.8 9000
		Total (Electric Heat Pump)	127.9 36000

WINTER CALCULATIONS

Winter Heating Load (for 3048 sqft)

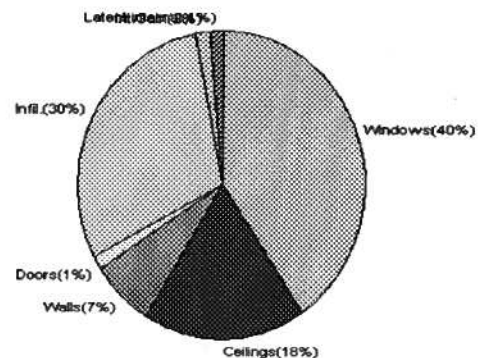
Load component		Load	
Window total	194 sqft	6245	Btuh
Wall total	936 sqft	3074	Btuh
Door total	40 sqft	518	Btuh
Ceiling total	3112 sqft	3667	Btuh
Floor total	117 sqft	5108	Btuh
Infiltration	295 cfm	11935	Btuh
Duct loss		0	Btuh
Subtotal		30547	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		30547	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 3048 sqft)

Load component		Load	
Window total	194 sqft	11372	Btuh
Wall total	936 sqft	1952	Btuh
Door total	40 sqft	392	Btuh
Ceiling total	3112 sqft	5154	Btuh
Floor total		0	Btuh
Infiltration	152 cfm	2836	Btuh
Internal gain		460	Btuh
Duct gain		0	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		22167	Btuh
Latent gain(ducts)		0	Btuh
Latent gain(infiltration)		5570	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		400	Btuh
Total latent gain		5970	Btuh
TOTAL HEAT GAIN		28136	Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: *[Signature]*

DATE: 1-10-06

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Amrhein, Friz & Joanna Addition

Project Title:

Class 3 Rating

601045ZecherBryanAmrhein,Friz&JoannaAddition

Registration No. 0

Lake City, FL

Climate: North

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

1/10/2006

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

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	20.0		32.2	644 Btuh
2	2, Clear, Metal, 0.87	W	20.0		32.2	644 Btuh
3	2, Clear, Metal, 0.87	NW	54.0		32.2	1738 Btuh
4	2, Clear, Metal, 0.87	NE	36.0		32.2	1159 Btuh
5	2, Clear, Metal, 0.87	E	7.0		32.2	225 Btuh
6	2, Clear, Metal, 0.87	SE	14.0		32.2	451 Btuh
7	2, Clear, Metal, 0.87	S	7.0		32.2	225 Btuh
8	2, Clear, Metal, 0.87	SE	36.0		32.2	1159 Btuh
	Window Total		194(sqft)			6245 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	936		3.3	3074 Btuh
	Wall Total		936			3074 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		40		12.9	518 Btuh
	Door Total		40			518Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	3112		1.2	3667 Btuh
	Ceiling Total		3112			3667Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	117.0 ft(p)		43.7	5108 Btuh
	Floor Total		117			5108 Btuh
	Zone Envelope Subtotal:					18612 Btuh
Infiltration	Type	ACH X	Zone Volume		CFM=	Load
	Natural	0.58	30480		294.6	11935 Btuh
Ductload	Unsealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					30547 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	30547 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	30547 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Amrhein, Friz & Joanna Addition

Project Title:

Class 3 Rating

601045ZecherBryanAmrhein,Friz&JoannaAddition

Registration No. 0

Lake City, FL

Climate: North

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear

(Frame types - metal, wood or insulated metal)

(U - Window U-Factor or 'DEF' for default)

(HTM - ManualJ Heat Transfer Multiplier)

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



For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Amrhein, Friz & Joanna Addition

Project Title:

Class 3 Rating

601045ZecherBryanAmrhein,Friz&JoannaAddition

Registration No. 0

Lake City, FL

Climate: North

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

1/10/2006

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

Component Loads for Zone #1: Main

Window	Panels/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	20.0		32.2	644 Btuh
2	2, Clear, Metal, 0.87	W	20.0		32.2	644 Btuh
3	2, Clear, Metal, 0.87	NW	54.0		32.2	1738 Btuh
4	2, Clear, Metal, 0.87	NE	36.0		32.2	1159 Btuh
5	2, Clear, Metal, 0.87	E	7.0		32.2	225 Btuh
6	2, Clear, Metal, 0.87	SE	14.0		32.2	451 Btuh
7	2, Clear, Metal, 0.87	S	7.0		32.2	225 Btuh
8	2, Clear, Metal, 0.87	SE	36.0		32.2	1159 Btuh
	Window Total		194(sqft)			6245 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	936		3.3	3074 Btuh
	Wall Total		936			3074 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		40		12.9	518 Btuh
	Door Total		40			518Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	3112		1.2	3667 Btuh
	Ceiling Total		3112			3667Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	117.0	ft(p)	43.7	5108 Btuh
	Floor Total		117			5108 Btuh
Zone Envelope Subtotal:						18612 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=		Load
	Natural	0.58	30480	294.6		11935 Btuh
Ductload	Unsealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					30547 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	30547 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	30547 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Amrhein, Friz & Joanna Addition

Project Title:

Class 3 Rating

601045ZecherBryanAmrhein,Friz&JoannaAddition

Registration No. 0

Lake City, FL

Climate: North

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear

(Frame types - metal, wood or insulated metal)

(U - Window U-Factor or 'DEF' for default)

(HTM - ManualJ Heat Transfer Multiplier)

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



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Amrhein, Friz & Joanna Addition

Project Title:

Class 3 Rating

601045ZecherBryanAmrhein,Friz&JoannaAddition

Registration No. 0

Lake City, FL

Climate: North

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

1/10/2006

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

Component Loads for Whole House

Window	Type*			Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,N,N	NW		1.5ft.	0ft.	20.0	0.0	20.0	29	60	1201	Btuh
2	2, Clear, 0.87, None,N,N	W		4ft.	10ft.	20.0	0.0	20.0	29	80	1590	Btuh
3	2, Clear, 0.87, None,N,N	NW		8ft.	8ft.	54.0	0.0	54.0	29	60	3242	Btuh
4	2, Clear, 0.87, None,N,N	NE		1.5ft.	7ft.	36.0	0.0	36.0	29	60	2161	Btuh
5	2, Clear, 0.87, None,N,N	E		1.5ft.	3ft.	7.0	0.9	6.1	29	80	513	Btuh
6	2, Clear, 0.87, None,N,N	SE		1.5ft.	3ft.	14.0	10.7	3.3	29	63	518	Btuh
7	2, Clear, 0.87, None,N,N	S		1.5ft.	3ft.	7.0	7.0	0.0	29	34	203	Btuh
8	2, Clear, 0.87, None,N,N	SE		1.5ft.	7ft.	36.0	9.1	26.9	29	63	1944	Btuh
Window Total						194 (sqft)					11372 Btuh	
Walls	Type	R-Value/U-Value		Area(sqft)		HTM		Load				
1	Frame - Wood - Ext	13.0/0.09		936.0		2.1		1952 Btuh				
Wall Total						936 (sqft)			1952 Btuh			
Doors	Type	Area (sqft)		HTM		Load						
1	Insulated - Exterior	40.0		9.8		392 Btuh						
Door Total						40 (sqft)			392 Btuh			
Ceilings	Type/Color/Surface	R-Value		Area(sqft)		HTM		Load				
1	Vented Attic/DarkShingle	30.0		3112.0		1.7		5154 Btuh				
Ceiling Total						3112 (sqft)			5154 Btuh			
Floors	Type	R-Value		Size		HTM		Load				
1	Slab On Grade	0.0		117 (ft(p))		0.0		0 Btuh				
Floor Total						117.0 (sqft)			0 Btuh			
Zone Envelope Subtotal:										18870 Btuh		
Infiltration	Type	ACH		Volume(cuft)		CFM=		Load				
	SensibleNatural	0.30		30480		152.4		2836 Btuh				
Internal gain	Occupants		Btuh/occupant		Appliance		Load					
	2		X 230 +		0		460 Btuh					
Duct load	Unsealed, R6.0, Supply(Attic), Return(Attic)						DGM = 0.00		0.0 Btuh			
Sensible Zone Load										22167 Btuh		

Manual J Summer Calculations

Residential Load - Component Details (continued)

Amrhein, Friz & Joanna Addition
Lake City, FL

Project Title:
601045ZecherBryanAmrhein,Friz&JoannaAddition

Class 3 Rating
Registration No. 0
Climate: North

1/10/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	22167 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	22167 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	22167 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	5570 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (2 people @ 200 Btuh per person)	400 Btuh
	Latent other gain	0 Btuh
	Latent total gain	5970 Btuh
TOTAL GAIN	28136 Btuh	

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



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Amrhein, Friz & Joanna Addition
Lake City, FL

Project Title:
601045ZecherBryanAmrhein,Friz&JoannaAddition

Class 3 Rating
Registration No. 0
Climate: North

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

1/10/2006

Component Loads for Zone #1: Main

Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,N,N	NW	1.5ft.	0ft.	20.0	0.0	20.0	29	60	1201	Btuh
2	2, Clear, 0.87, None,N,N	W	4ft.	10ft.	20.0	0.0	20.0	29	80	1590	Btuh
3	2, Clear, 0.87, None,N,N	NW	8ft.	8ft.	54.0	0.0	54.0	29	60	3242	Btuh
4	2, Clear, 0.87, None,N,N	NE	1.5ft.	7ft.	36.0	0.0	36.0	29	60	2161	Btuh
5	2, Clear, 0.87, None,N,N	E	1.5ft.	3ft.	7.0	0.9	6.1	29	80	513	Btuh
6	2, Clear, 0.87, None,N,N	SE	1.5ft.	3ft.	14.0	10.7	3.3	29	63	518	Btuh
7	2, Clear, 0.87, None,N,N	S	1.5ft.	3ft.	7.0	7.0	0.0	29	34	203	Btuh
8	2, Clear, 0.87, None,N,N	SE	1.5ft.	7ft.	36.0	9.1	26.9	29	63	1944	Btuh
Window Total					194 (sqft)					11372 Btuh	
Walls	Type	R-Value/U-Value		Area(sqft)			HTM		Load		
1	Frame - Wood - Ext	13.0/0.09		936.0			2.1		1952 Btuh		
Wall Total					936 (sqft)					1952 Btuh	
Doors	Type	Area (sqft)			HTM		Load				
1	Insulated - Exterior	40.0			9.8		392 Btuh				
Door Total					40 (sqft)					392 Btuh	
Ceilings	Type/Color/Surface	R-Value		Area(sqft)			HTM		Load		
1	Vented Attic/DarkShingle	30.0		3112.0			1.7		5154 Btuh		
Ceiling Total					3112 (sqft)					5154 Btuh	
Floors	Type	R-Value		Size			HTM		Load		
1	Slab On Grade	0.0		117 (ft(p))			0.0		0 Btuh		
Floor Total					117.0 (sqft)					0 Btuh	
Zone Envelope Subtotal:										18870 Btuh	
Infiltration	Type	ACH		Volume(cuft)			CFM=		Load		
	SensibleNatural	0.30		30480			152.4		2836 Btuh		
Internal gain	Occupants			Btuh/occupant			Appliance		Load		
	2			X 230 +			0		460 Btuh		
Duct load	Unsealed, R6.0, Supply(Attic), Return(Attic)						DGM = 0.00		0.0 Btuh		
Sensible Zone Load										22167 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Amrhein, Friz & Joanna Addition

Project Title:

Class 3 Rating

601045ZecherBryanAmrhein,Friz&JoannaAddition

Registration No. 0

Lake City, FL

Climate: North

1/10/2006

WHOLE HOUSE TOTALS

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(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



For Florida residences only

Residential Window Diversity

MidSummer

Amrhein, Friz & Joanna Addition

Project Title:

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL

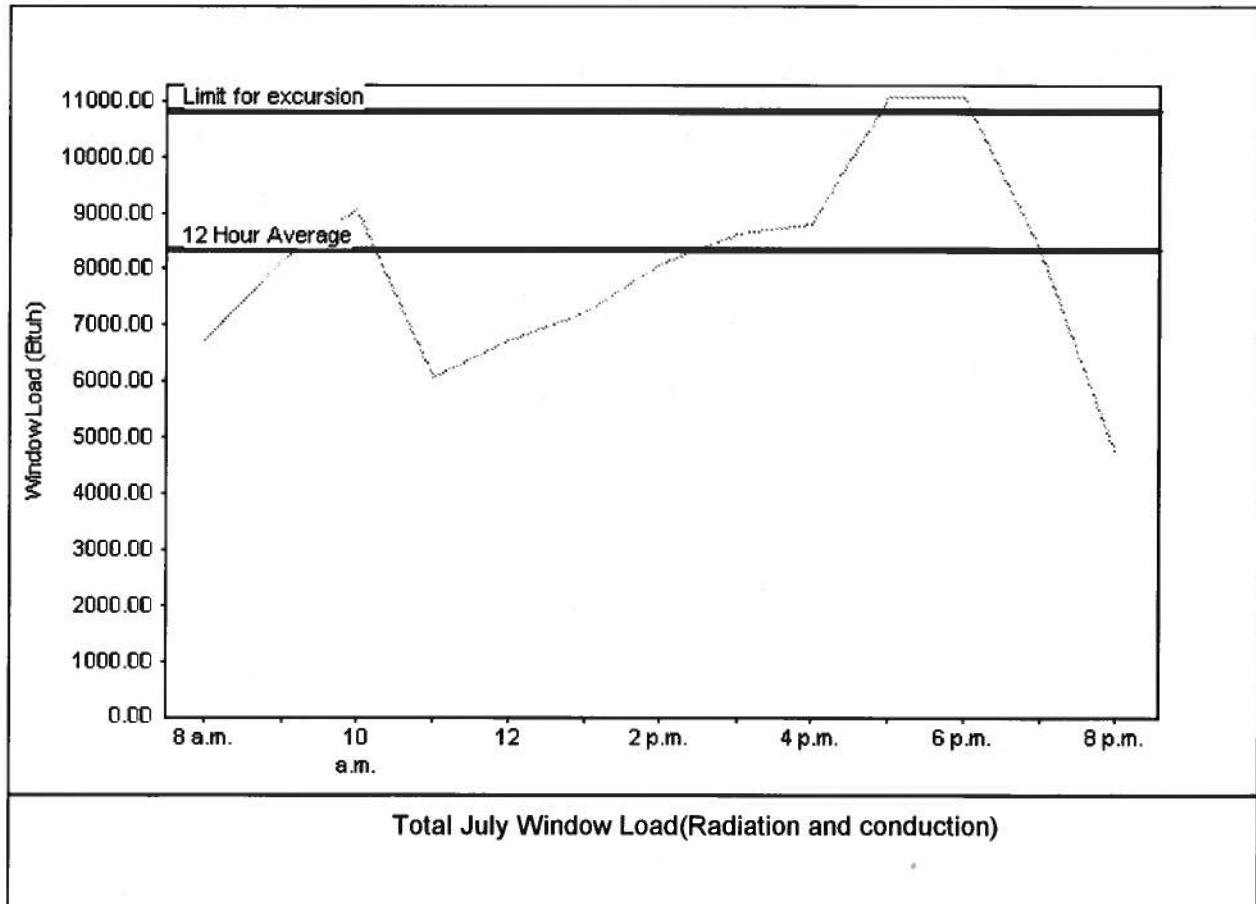
601045ZecherBryanAmrhein,Friz&JoannaAddition

1/10/2006

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	8329 Btuh
Summer setpoint	75 F	Peak window load for July	11082 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	10827 Btu
Latitude	29 North	Window excursion (July)	255 Btuh

WINDOW Average and Peak Loads



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

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: *[Signature]*

DATE: 1-10-06



PRODUCT APPROVAL SPECIFICATION SHEET

Location: _____

Project Name: _____

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up	N/A		
5. Automatic	N/A		
6. Other	—		
B. WINDOWS			
1. Single hung	Capital/Jordan		FL 675 / FL 1378-R1
2. Horizontal Slider	" "		FL 685 / FL 1384-R1
3. Casement	—		
4. Double Hung	—		
5. Fixed	C/J		FL 681 / FL 1383-R1
6. Awning	—		
7. Pass-through	—		
8. Projected	—		
9. Mullion	—		
10. Wind Breaker	—		
11. Dual Action	—		
12. Other			
C. PANEL WALL			
1. Siding	Hardy Plank		FL 889-R1
2. Soffits	Ashley Aluminum		FL 4968
3. EIFS	—		
4. Storefronts	—		
5. Curtain walls	—		
6. Wall louver	—		
7. Glass block	—		
8. Membrane	—		
9. Greenhouse	—		
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles	EIK/Certainfeed		FL 728-R1 / FL 250-R1
2. Underlayments	Felt		FL 1814
3. Roofing Fasteners	Nails		ROM 3378
4. Non-structural Metal Rf	—		
5. Built-Up Roofing	—		
6. Modified Bitumen	—		
7. Single Ply Roofing Sys	—		
8. Roofing Tiles	—		
9. Roofing Insulation	—		
10. Waterproofing	—		
11. Wood shingles /shakes	—		
12. Roofing Slate	—		

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

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

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

Contractor or Contractor's Authorized Agent Signature

Print Name

Date

Location

Permit # (FOR STAFF USE ONLY)

N/A
N/A

N/A

N/A

Floor Plan including:

- a) Rooms labeled and dimensioned
- b) Shear walls
- c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown)
- d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth
- e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails
- f) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan including:

- a) Location of all load-bearing wall with required footings indicated as standard Or monolithic and dimensions and reinforcing
- b) All posts and/or column footing including size and reinforcing
- c) Any special support required by soil analysis such as piling
- d) Location of any vertical steel

Roof System:

- a) Truss package including:
 - 1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
 - 2. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
- b) Conventional Framing Layout including:
 - 1. Rafter size, species and spacing
 - 2. Attachment to wall and uplift
 - 3. Ridge beam sized and valley framing and support details
 - 4. Roof assembly (FBC 104.2.1 Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

- a) Masonry wall
 - 1. All materials making up wall
 - 2. Block size and mortar type with size and spacing of reinforcement
 - 3. Lintel, tie-beam sizes and reinforcement
 - 4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
 - 5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation
 - 6. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
 - 7. Fire resistant construction (if required)
 - 8. Fireproofing requirements
 - 9. Shoe type of termite treatment (termiticide or alternative method)
 - 10. Slab on grade
 - a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
 - b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
 - 11. Indicate where pressure treated wood will be placed
 - 12. Provide insulation R value for the following:
 - a. Attic space
 - b. Exterior wall cavity
 - c. Crawl space (if applicable)

G

b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)
7. Roof assembly shown here or on roof system detail (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiticide or alternative method)
11. Slab on grade
 - a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed)
 - b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
 - a. Attic space
 - b. Exterior wall cavity
 - c. Crawl space (if applicable)

VVA

c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

Floor Framing System:

- a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer
- b) Floor joist size and spacing
- c) Girder size and spacing
- d) Attachment of joist to girder
- e) Wind load requirements where applicable

Plumbing Fixture layout

Electrical layout including:

- a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified
- b) Ceiling fans
- c) Smoke detectors
- d) Service panel and sub-panel size and location(s)
- e) Meter location with type of service entrance (overhead or underground)
- f) Appliances and HVAC equipment
- g) Arc Fault Circuits (AFCI) in bedrooms

HVAC information

- a) Manual J sizing equipment or equivalent computation
- b) Exhaust fans in bathroom

Energy Calculations (dimensions shall match plans)

Gas System Type (LP or Natural) Location and BTU demand of equipment

Disclosure Statement for Owner Builders

Notice Of Commencement

Private Potable Water

- a) Size of pump motor
- b) Size of pressure tank
- c) Cycle stop valve if used

1 hrs existing

VVA

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THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all residential projects.
2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.
3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058
4. **City Approval:** If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit.
5. **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.**
A development permit will also be required. Development permit cost is \$10.00
6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (\$5.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$25.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.
7. **911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 758-8787

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. YOU WILL BE NOTIFIED WHEN YOUR APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT. PLEASE DO NOT EXPECT OR REQUEST THAT PERMIT APPLICATIONS BE REVIEWED OR APPROVED WHILE YOU ARE HERE – TIME WILL NOT ALLOW THIS – PLEASE DO NOT ASK

COLUMBIA COUNTY FLORIDA OPEN COLUMBIA AVENUE

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 33-3S-16-02434-109

Building permit No. 000024095

Use Classification SFD ADDITION

Fire: 0.00

Permit Holder BRYAN ZECHER

Waste: 0.00

Owner of Building FRITZ & JOANNE AMRHEIN

Total: 0.00

Location: 408 SW RIDGEVIEW PLACE

Date: 08/01/2006

Henry Dickler

Building Inspector



POST IN A CONSPICUOUS PLACE
(Business Places Only)

24095

7011 Amrhein

**FLORIDA
PEST
CONTROL**
& CHEMICAL CO.
Since 1949

www.flapest.com

During the construction of your home Florida Pest Control & Chemical Co. provided treatment for the control and prevention of subterranean termites.

Continued protection requires that annual inspections be made. Please contact us at the number below to receive a copy of your Termite Protection Policy.

Address: 536 SE Baya Dr.

Phone: 752-1703

Renewal Date: 02-22-07

**IMPORTANT
NOTICE TO
OWNER**

10M-504 ©