DATE 02/07/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000024120

APPLICANT BRYAN ZECHER PHONE 386.752.8653

ADDRESS POB 815 LAKE CITY FL 32056

OWNER STEVEN & ANGELA JONES PHONE 386.758.7463

ADDRESS 1564 NW FRONTIER DRIVE LAKE CITY FL 32055

CONTRACTOR BRYAN ZECHER PHONE 386.752.8653

LOCATION OF PROPERTY 90W TO COMMERCE BLVD,TR TO FAIRWAY DR TO 1ST. R, TR THEN TO HARRIS LAKE DR,TR GO TO STOP SIGN TO FRONTIER,9TH ON L.

TYPE DEVELOPMENT ADDITION/REMODEL ESTIMATED COST OF CONSTRUCTION 15400.00

HEATED FLOOR AREA 308.00 TOTAL AREA 308.00 HEIGHT 24.00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6'12 FLOOR CONC

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 26-3S-16-02307-125 SUBDIVISION VILLAGE ON TH GREEN

LOT 25 BLOCK PHASE UNIT TOTAL ACRES

		CBC054575		
Culvert Permit No.	Culvert Waiver	Contractor's License Number		Applicant/Owner/Contractor
EXISTING	06-0099MD	BLK	JTH	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: NOC ON FILE. 1 FOOT ABOVE ROAD.

Check # or Cash 2431

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

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

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

Electrical rough-in _____ date/app. by | Heat & Air Duct _____ date/app. by | Peri. beam (Lintel) _____ date/app. by

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

M/H tie downs, blocking, electricity and plumbing _____ date/app. by | Pool _____ date/app. by

Reconnection _____ date/app. by | Pump pole _____ date/app. by | Utility Pole _____ date/app. by

M/H Pole _____ date/app. by | Travel Trailer _____ date/app. by | Re-roof _____ date/app. by

BUILDING PERMIT FEE $ 80.00 CERTIFICATION FEE $ 1.54 SURCHARGE FEE $ 1.54

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** 158.08

INSPECTORS OFFICE CLERKS OFFICE

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

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

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 # 0601-74 Date Received 1/30/06 By JW Permit # 24120
Application Approved by - Zoning Official BLK Date 03.02.06 Plans Examiner OK JTH Date 1-31-05
Flood Zone X ✓ Development Permit N/A Zoning RSF-2 Land Use Plan Map Category RES. Low DEN.
Comments ~~[illegible]~~

Becky - Call and give the amount

Applicants Name Bryan Zecher Phone 752-8653
Address P.O. Box 815 Lake City, FL 32056
Owners Name Steven and Angela Jones Phone 758-7463 (386)
911 Address 1564 NW Frontier Dr. Lake City, FL 32055
Contractors Name Bryan Zecher 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 Ruffo/Mark Disosway P.O. Box 868 LC, FL 32056
Mortgage Lenders Name & Address —
Circle the correct power company – (FL Power & Light) – Clay Elec. – Suwannee Valley Elec. – Progressive Energy
Property ID Number 26-3S-16-02307-125 Estimated Cost of Construction 95,000.
Subdivision Name Village on the Green Lot 25 Block ___ Unit ___ Phase ___
Driving Directions US 90 West Fairway Dr (LC Country Club) - go to 1st right T/R - then left on NW Harris Lake Dr, go to stop sign T/L on Frontier Dr, 9th on left
Type of Construction addition/remodel frame Number of Existing Dwellings on Property 1
Total Acreage .440 Lot Size ___ Do you need a - Culvert Permit or ~~Culvert Waiver~~ or (Have an Existing Drive)
Actual Distance of Structure from Property Lines - Front 152 35' Side 10 Side 111 10 Rear 20 27
Total Building Height 24 Number of Stories 1 Heated Floor Area 308 Roof Pitch 6/12
TOTAL 308

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.

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

Owner Builder or Agent (Including Contractor)

Contractor Signature [signature]
Contractors License Number CRC 054575
Competency Card Number
NOTARY STAMP/SEAL

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
this 30th day of January 2006.
Personally known ✓ or Produced Identification ___

Notary Signature [signature]

REBECCA DUGAN
MY COMMISSION #DD452939
EXPIRES: JUL 20, 2009
Bonded through 1st State Insurance

2431 - JW called Becky on 2.3.06

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: 1564 NW Frontier Dr Lake City, FL 32055

2. General Description of Improvement: addition/remodeling

3. Owner Information:
   a. Name and Address: Steve & Angela Jones 1564 NW Frontier Dr., Lake City, FL
   b. Interest in Property: Fee simple
   c. Name and Address of Fee Simple Titleholder (if other than owner): —

4. Contractor (name and address): Bryan Zeiber Construction, Inc PO Box 815 Lake City, FL 32056

5. Surety:
   a. Name and Address: —
   b. Amount of Bond: —

Inst:2006002065 Date:01/30/2006 Time:12:22 DC,P.DeWitt Cason,Columbia County B:1072 P:818

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): —

8. In addition to himself, owner designates: —
   to receive a copy of the Leinor'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): —

Steve Jones

Type Owner Name: Steven C Jones

Type Owner Name: —

Sworn to and subscribed before me this 30th day of January, 20 06.

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

Rebecca Dugan

Type Notary's Name Rebecca Dugan
Notary Public, State of Florida
Commission Expiry & Number: —

REBECCA DUGAN
MY COMMISSION #DD452939
EXPIRES: JUL 20, 2009
Bonded through 1st State Insurance

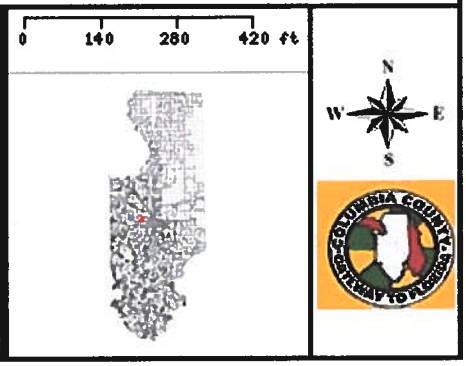
Columbia County Property Appraiser

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

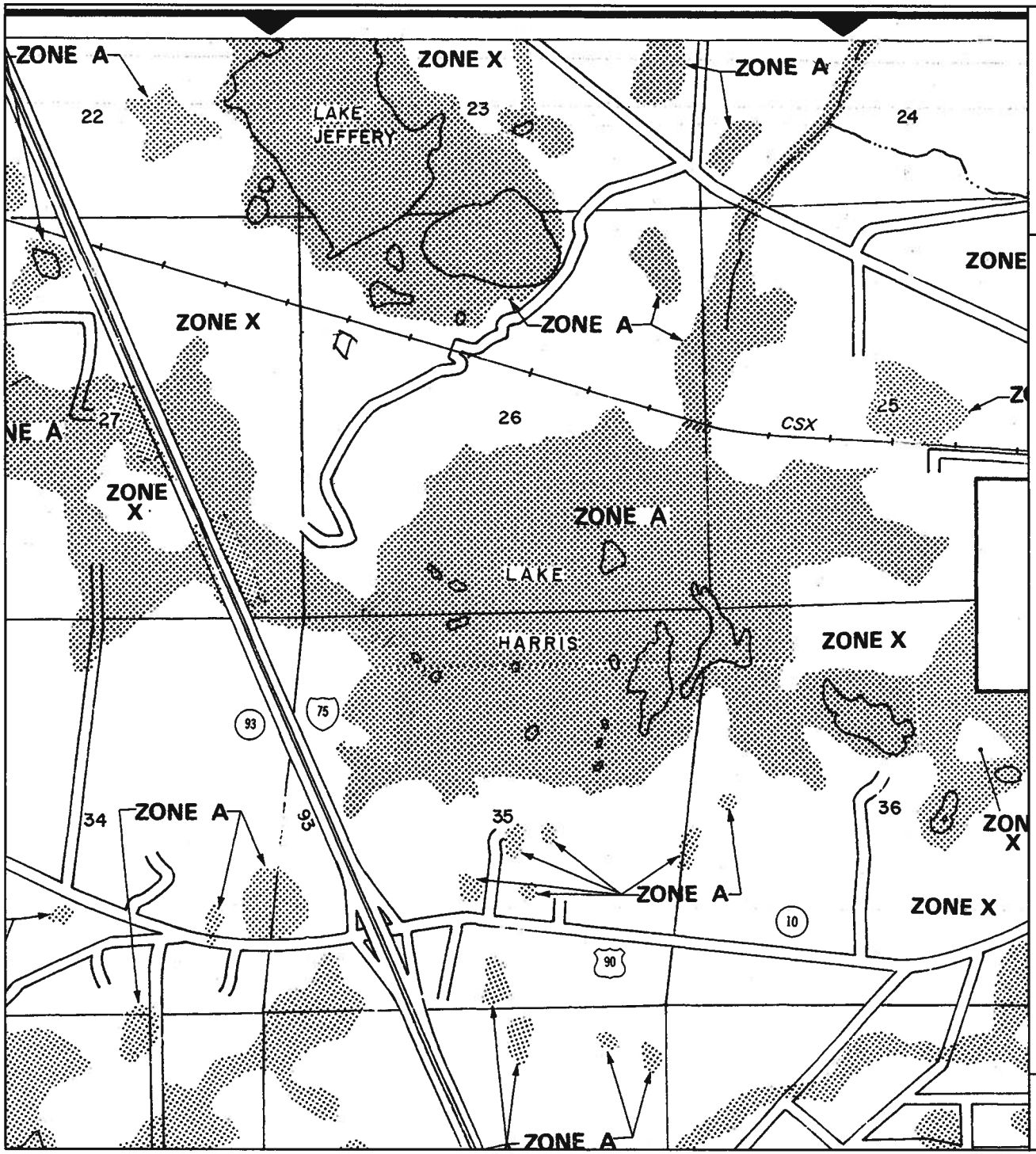
PARCEL: 26-3S-16-02307-125 - SINGLE FAM (000100)

LOT 25 VILLAGE ON THE GREEN S/D. ORB 626-512, 626-513, 629-417, 728-465, 796-407,

Name:	JONES STEVEN C & ANGELA C	LandVal	$36,875.00
Site:		BldgVal	$227,817.00
Mail:	1564 NW FRONTIER DR LAKE CITY, FL 32055	ApprVal	$271,464.00
		JustVal	$271,464.00
Sales Info	9/29/2005 $355,000.00 I / Q	Assd	$271,464.00
	9/29/2005 $355,000.00 I / Q	Exmpt	$0.00
	12/22/2000 $225,000.00 I / Q	Taxable	$271,464.00



This information, GIS Map Updated: 8/3/2005, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.



APPROXIMATE SCALE IN FEET

2000 0 2000

NATIONAL FLOOD INSURANCE PROGRAM

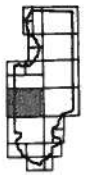
FIRM

FLOOD INSURANCE RATE MAP

COLUMBIA COUNTY, FLORIDA
(UNINCORPORATED AREAS)

PANEL 175 OF 290

PANEL LOCATION



COMMUNITY-PANEL NUMBER
120070 0175 B

EFFECTIVE DATE:
JANUARY 6, 1988

Federal Emergency Management Agency

Print Date: 1/31/2006 (printed at scale and type A)

26-3S-16-02307-125

LOT 25 VILLAGE ON THE GREEN
S/D. ORB 626-512, 626-513,
629-417, 728-465, 796-407,
797-1825, 839-1620, 917-917,

JONES STEVEN C & ANGELA C
1564 NW FRONTIER DR
LAKE CITY FL 32055

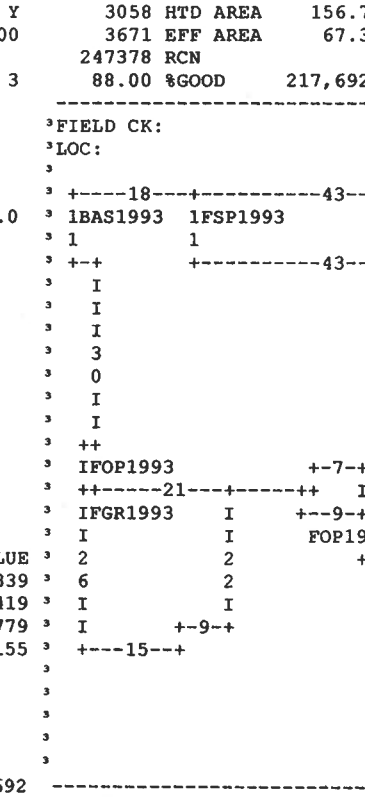
26-3S-16-02307-125

Columbia Cou

PRINTED 12/08/2005 11:39
APPR 9/22/2003 DF

USE	000100	SINGLE FAM		AE? Y	3058	HTD AREA	156.713	INDEX	26316.02	NBHD	PROP USE 000
MOD	1	SFR	BATH	3.00	3671	EFF AREA	67.387	E-RATE	100.000	INDX	STR 26- 3S- 16
EXW	19	COMMON BRK	FIXT		247378	RCN			1993	AYB	MKT AREA 06
%		0000000000	BDRM	3	88.00	%GOOD	217,692	B BLDG VAL	1993	EYB	(PUD1
RSTR	08	IRREGULAR	RMS								AC .440
RCVR	03	COMP SHNGL	UNTS								NTCD
%		N/A	C-W%								APPR CD
INT	05	DRYWALL	HGHT								CNDO
%		N/A	PMTR								SUBD
FLR	14	CARPET	STYS	1.0							BLK
10%	15	HARDTILE	ECON								LOT
HTTP	04	AIR DUCTED	FUNC								MAP# 69-B
A/C	03	CENTRAL	SPCD								
QUAL	05	EXCELLENT	DEPR	52							TXDT 002
FNDN		N/A	UD-1	N/A							
SIZE	04	IRREGULAR	UD-2	N/A							BLDG TRA
CEIL		N/A	UD-3	N/A							BAS1993=W11 FSP1993=N11
ARCH		N/A	UD-4	N/A							N11 W18 S11 E4 S30 F
FRME	01	NONE	UD-5	N/A							S8 FGR1993=W3 S26 E1
KTCH		N/A	UD-6	N/A							32 FOP1993=S6 E9 N9 W7
WNDO		N/A	UD-7	N/A							E27 N49$.
CLAS		N/A	UD-8	N/A							
OCC		N/A	UD-9	N/A							
COND		N/A	%	N/A							PERMIT

SUB	A-AREA	%	E-AREA	SUB VALUE
BAS93	3058	100	3058	181339
FSP93	473	55	260	15419
FOP93	99	30	30	1779
FGR93	588	55	323	19155



NUMBER	DESC

BOOK	PAGE	DATE
1060	2283	9/29/200
GRANTOR PRIMACY CLOSING		
GRANTEE STEVEN C & ANGE		
1060	2281	9/29/200
GRANTOR KARSNER		
GRANTEE PRIMACY CLOSING		

TOTAL	4218	3671	217692

-------EXTRA FEATURES---------- FIELD CK:

AE	BN	CODE	DESC	LEN	WID	HGHT	QTY	QL	YR	ADJ	UNITS	UT	PRICE	ADJ UT PR	SPCD %
Y	1	0190	FPLC PF				1		0000	1.00	1.000	UT	1000.000	1000.000	1
Y		0166	CONC,PAVMT				1		0000	1.00	3766.000	UT	1.400	1.400	1

AE	LAND CODE	DESC	ZONE	TOPO	ROAD UTIL	UD1 UD2	UD3 UD4	FRONT	DEPTH	BACK DT	ADJUSTMENTS	UNITS	UT	PRICE	ADJ UT P
Y	000100	SFR	RSF-2	0002	0003	0002	0003	128	150	1.00 1.00	1.25 1.00	1.000	LT	29500.000	36875.

SALE - LOT 25 VILLAGE ON THE GREEN S/D
SALE - LOT 25 VILLAGE ON THE GREEN
2006

SALE - LOT 25 VILLAGE ON THE GREEN - ORB 797-1825
SALE - THIS DEED CHANGED APRIL 6, 1989

FORM 600A-2004 EnergyGauge® 4.1

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**509201ZecherBryan**	Builder:	
Address:	**1564 NW Frontier Drive**	Permitting Office:	Columbia
City, State:	**Lake City, FL 32025-**	Permit Number:	
Owner:	**Jones Steve & Angie Addition**	Jurisdiction Number:	22000
Climate Zone:	**North**		

1. New construction or existing	Addition	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 94.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 10.00
4. Number of Bedrooms	0	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft²)	308 ft²	13. Heating systems	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		a. Electric Heat Pump	Cap: 9.0 kBtu/hr
a. U-factor: (or Single or Double DEFAULT) 7a.	Description Area (Dble Default) 30.0 ft²		HSPF: 7.00
b. SHGC: (or Clear or Tint DEFAULT) 7b.	(Clear) 30.0 ft²	b. N/A	
8. Floor types		c. N/A	
a. Slab-On-Grade Edge Insulation	R=0.0, 50.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 40.0 gallons
c. N/A			EF: 0.93
9. Wall types		b. N/A	
a. Frame, Wood, Exterior	R=13.0, 450.0 ft²	c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)	
b. N/A		15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic	R=30.0, 308.0 ft²		
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 30.0 ft		
b. N/A			

Glass/Floor Area: 0.10 Total as-built points: 11268 Total base points: 11674 **PASS**

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

PREPARED BY: _____

DATE: 1-20-06

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

OWNER/AGENT: _____

DATE: 1/28/06

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.

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **1564 NW Frontier Drive, Lake City, FL, 32025-** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	308.0	20.04	1111.0	Double, Clear	E	1.5	6.0	30.0	42.06	0.91	1151.8	
				As-Built Total:				**30.0**			**1151.8**	
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =	Points		
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			13.0	450.0	1.50	675.0		
Exterior	450.0	1.70	765.0									
Base Total:	**450.0**		**765.0**	**As-Built Total:**				**450.0**		**675.0**		
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =	Points		
Adjacent	0.0	0.00	0.0	Exterior Insulated				20.0	4.10	82.0		
Exterior	20.0	4.10	82.0									
Base Total:	**20.0**		**82.0**	**As-Built Total:**				**20.0**		**82.0**		
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =	Points		
Under Attic	308.0	1.73	532.8	Under Attic			30.0	308.0	1.73 X 1.00	532.8		
Base Total:	**308.0**		**532.8**	**As-Built Total:**				**308.0**		**532.8**		
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =	Points		
Slab	50.0(p)	-37.0	-1850.0	Slab-On-Grade Edge Insulation			0.0	50.0(p)	-41.20	-2060.0		
Raised	0.0	0.00	0.0									
Base Total:			**-1850.0**	**As-Built Total:**				**50.0**		**-2060.0**		
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =	Points		
	308.0	10.21	3144.7					308.0	10.21	3144.7		
Summer Base Points:			**3785.5**	**Summer As-Built Points:**								**3526.3**
Total Summer Points	X System Multiplier	= Cooling Points		Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)		X System Multiplier	X Credit Multiplier	= Cooling Points		
				(sys 1: Central Unit 94000 btuh ,SEER/EFF(10.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)								
3785.5	**0.4266**	**1614.9**		3526 **3526.3**	1.00 **1.00**	(1.09 x 1.147 x 0.91) **1.138**		0.341 **0.341**	1.000 **1.000**	1369.3 **1369.3**		

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **1564 NW Frontier Drive, Lake City, FL, 32025-** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	308.0	12.74	706.3	Double, Clear	E	1.5	6.0	30.0	18.79	1.04	583.8	
				As-Built Total:				**30.0**			**583.8**	
WALL TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM	=	Points	
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			13.0	450.0	3.40		1530.0	
Exterior	450.0	3.70	1665.0									
Base Total:	**450.0**		**1665.0**	**As-Built Total:**				**450.0**			**1530.0**	
DOOR TYPES	Area X	BWPM	= Points	Type				Area X	WPM	=	Points	
Adjacent	0.0	0.00	0.0	Exterior Insulated				20.0	8.40		168.0	
Exterior	20.0	8.40	168.0									
Base Total:	**20.0**		**168.0**	**As-Built Total:**				**20.0**			**168.0**	
CEILING TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM X	WCM =	Points	
Under Attic	308.0	2.05	631.4	Under Attic			30.0	308.0	2.05 X 1.00		631.4	
Base Total:	**308.0**		**631.4**	**As-Built Total:**				**308.0**			**631.4**	
FLOOR TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM	=	Points	
Slab	50.0(p)	8.9	445.0	Slab-On-Grade Edge Insulation			0.0	50.0(p)	18.80		940.0	
Raised	0.0	0.00	0.0									
Base Total:			**445.0**	**As-Built Total:**				**50.0**			**940.0**	
INFILTRATION	Area X	BWPM	= Points					Area X	WPM	=	Points	
	308.0	-0.59	-181.7					308.0	-0.59		-181.7	
Winter Base Points:			**3434.0**	**Winter As-Built Points:**								**3671.5**
Total Winter Points	X System Multiplier	= Heating Points		Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points			
				(sys 1: Electric Heat Pump 9000 btuh ,EFF(7.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0								
3434.0	**0.6274**	**2154.5**		3671.5 **3671.5**	1.000 **1.00**	(1.069 x 1.169 x 0.93) **1.162**	0.487 **0.487**	1.000 **1.000**	2078.6 **2078.6**			

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **1564 NW Frontier Drive, Lake City, FL, 32025-** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank Ratio	X Multiplier	X Credit Multiplier	= Total
0		2635.00	7905.0	40.0	0.93	0		1.00	2606.67	1.00	7820.0
				As-Built Total:							**7820.0**

CODE COMPLIANCE STATUS

BASE					AS-BUILT				
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points		Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	
1615	**2154**	**7905**	**11674**		**1369**	**2079**	**7820**	**11268**	

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **1564 NW Frontier Drive, Lake City, FL, 32025-** PERMIT #:

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.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 83.0

The higher the score, the more efficient the home.

Jones Steve & Angie Addition, 1564 NW Frontier Drive, Lake City, FL, 32025-

1.	New construction or existing	Addition		12.	Cooling systems	
2.	Single family or multi-family	Single family			a. Central Unit	Cap: 94.0 kBtu/hr
3.	Number of units, if multi-family	1				SEER: 10.00
4.	Number of Bedrooms	0			b. N/A	
5.	Is this a worst case?	Yes				
6.	Conditioned floor area (ft²)	308 ft²			c. N/A	
7.	Glass type [1] and area: (Label reqd. by 13-104.4.5 if not default)					
	a. U-factor:	Description	Area	13.	Heating systems	
	(or Single or Double DEFAULT) 7a.	(Dble Default)	30.0 ft²		a. Electric Heat Pump	Cap: 9.0 kBtu/hr
	b. SHGC:					HSPF: 7.00
	(or Clear or Tint DEFAULT) 7b.	(Clear)	30.0 ft²		b. N/A	
8.	Floor types					
	a. Slab-On-Grade Edge Insulation	R=0.0, 50.0(p) ft			c. N/A	
	b. N/A					
	c. N/A			14.	Hot water systems	
9.	Wall types				a. Electric Resistance	Cap: 40.0 gallons
	a. Frame, Wood, Exterior	R=13.0, 450.0 ft²				EF: 0.93
	b. N/A				b. N/A	
	c. N/A					
	d. N/A				c. Conservation credits	
	e. N/A				(HR-Heat recovery, Solar	
10.	Ceiling types				DHP-Dedicated heat pump)	
	a. Under Attic	R=30.0, 308.0 ft²		15.	HVAC credits	
	b. N/A				(CF-Ceiling fan, CV-Cross ventilation,	
	c. N/A				HF-Whole house fan,	
11.	Ducts				PT-Programmable Thermostat,	
	a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 30.0 ft			MZ-C-Multizone cooling,	
	b. N/A				MZ-H-Multizone heating)	

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

Builder Signature: _____ Date: 1/28/06

Address of New Home: 1564 NW Frontier Dr City/FL Zip: Lake City, Fl

NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.

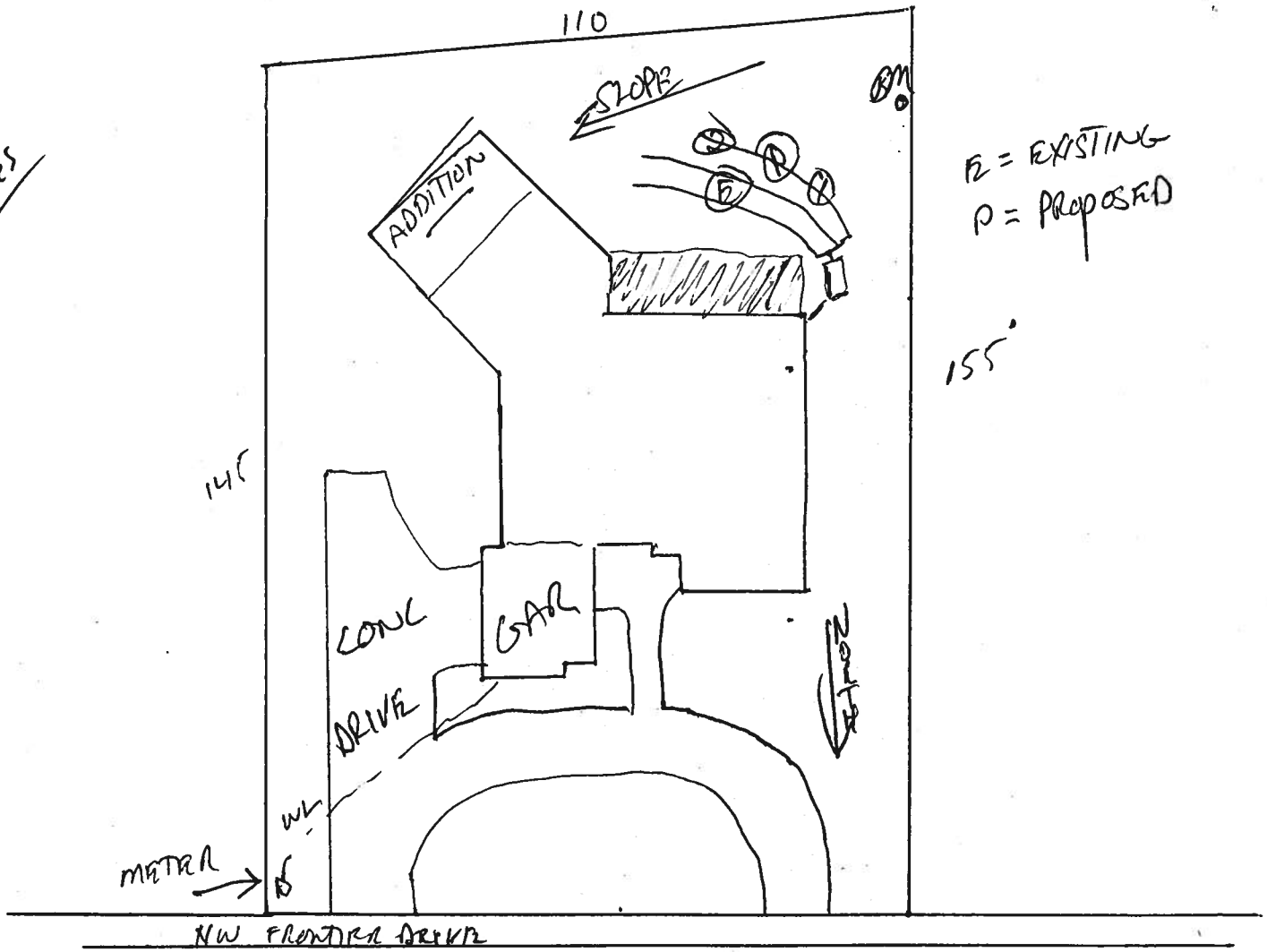
1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

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

Permit Application Number 06-0099 MD

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

Scale: 1 inch = 50 feet.



Notes: ADDITIONAL DRAIN FIELD TO BE SET EVEN WITH EXISTING DRAIN FIELD

Site Plan submitted by: Rocky D Tyo — MASTER CONTRACTOR

Plan Approved ✓ — Not Approved ____ — Date 2-3-06

By _____ Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

CERTIFICATE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 26-3S-16-02307-125 **Building permit No.** 000024120

Use Classification ADDITION/REMODEL **Fire:** 0.00

Permit Holder BRYAN ZECHER **Waste:** 0.00

Owner of Building STEVEN & ANGELA JONES **Total:** 0.00

Location: 1564 NW FRONTIER DRIVE, LAKE CITY, FL 32055

Date: 09/27/2006

COLUMBIA COUNTY FLORIDA

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Residential System Sizing Calculation

Summary

Jones Steve & Angie Addition
1564 NW Frontier Drive
Lake City, FL 32025-

Project Title:
509201ZecherBryan

Class 3 Rating
Registration No. 0
Climate: North

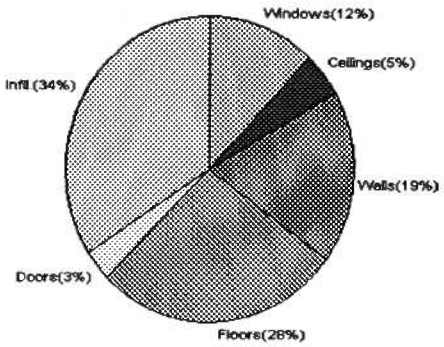
1/20/2006

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	**7931**	**Btuh**	**Total cooling load calculation**	**7143**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	113.5	9000	Sensible (SHR = 0.75)	1333.7	70500
Heat Pump + Auxiliary(0.0kW)	113.5	9000	Latent	1265.5	23500
			Total (Electric Heat Pump)	1316.0	94000

WINTER CALCULATIONS

Winter Heating Load (for 308 sqft)

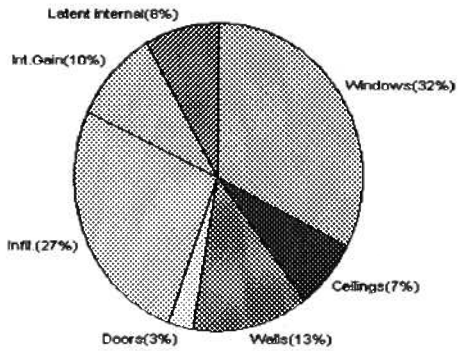
Load component			Load	
Window total	30	sqft	966	Btuh
Wall total	450	sqft	1478	Btuh
Door total	20	sqft	259	Btuh
Ceiling total	308	sqft	363	Btuh
Floor total	50	sqft	2183	Btuh
Infiltration	66	cfm	2682	Btuh
Duct loss			0	Btuh
Subtotal			**7931**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**7931**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 308 sqft)

Load component			Load	
Window total	30	sqft	2311	Btuh
Wall total	450	sqft	939	Btuh
Door total	20	sqft	196	Btuh
Ceiling total	308	sqft	510	Btuh
Floor total			0	Btuh
Infiltration	34	cfm	640	Btuh
Internal gain			690	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**5286**	**Btuh**
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			1257	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			600	Btuh
Total latent gain			**1857**	**Btuh**
TOTAL HEAT GAIN			**7143**	**Btuh**



For Florida residences only

EnergyGauge® System Sizing
PREPARED BY:
DATE: 1-20-06

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Jones Steve & Angie Addition
1564 NW Frontier Drive
Lake City, FL 32025-

Project Title:
509201ZecherBryan

Class 3 Rating
Registration No. 0
Climate: North

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

1/20/2006

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	W	30.0	32.2	966 Btuh
	Window Total		30(sqft)		966 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	450	3.3	1478 Btuh
	Wall Total		450		1478 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		20		259Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	308	1.2	363 Btuh
	Ceiling Total		308		363Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	50.0 ft(p)	43.7	2183 Btuh
	Floor Total		50		2183 Btuh
			Zone Envelope Subtotal:		5248 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	1.29	3080	66.2	2682 Btuh
Ductload	Unsealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**7931 Btuh**

WHOLE HOUSE TOTALS

	Subtotal Sensible	7931 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	7931 Btuh

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

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

For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Jones Steve & Angie Addition
1564 NW Frontier Drive
Lake City, FL 32025-

Project Title:
509201ZecherBryan

Class 3 Rating
Registration No. 0
Climate: North

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

1/20/2006

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

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	W	30.0	32.2	966 Btuh
	Window Total		30(sqft)		966 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	450	3.3	1478 Btuh
	Wall Total		450		1478 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		20		259Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	308	1.2	363 Btuh
	Ceiling Total		308		363Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	50.0 ft(p)	43.7	2183 Btuh
	Floor Total		50		2183 Btuh
			Zone Envelope Subtotal:		5248 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	1.29	3080	66.2	2682 Btuh
Ductload	Unsealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**7931 Btuh**

WHOLE HOUSE TOTALS

	Subtotal Sensible	7931 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	7931 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Jones Steve & Angie Addition
1564 NW Frontier Drive
Lake City, FL 32025-

Project Title:
509201ZecherBryan

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 1/20/2006

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

Component Loads for Whole House

	Type*		Overhang		Window Area(sqft)			HTM		Load
Window	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2, Clear, 0.87, None,N,N	W	1.5ft.	6ft.	30.0	1.5	28.5	29	80	2311 Btuh
	Window Total				30 (sqft)					2311 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	450.0	2.1	939 Btuh
	Wall Total		450 (sqft)		939 Btuh
Doors	Type		Area (sqft)	HTM	Load
1	Insulated - Exterior		20.0	9.8	196 Btuh
	Door Total		20 (sqft)		196 Btuh
Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	308.0	1.7	510 Btuh
	Ceiling Total		308 (sqft)		510 Btuh
Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	50 (ft(p))	0.0	0 Btuh
	Floor Total		50.0 (sqft)		0 Btuh
			Zone Envelope Subtotal:		3956 Btuh

Infiltration	Type	ACH	Volume(cuft)		CFM=	Load
	SensibleNatural	0.67	3080		34.4	640 Btuh
Internal gain		Occupants	Btuh/occupant		Appliance	Load
		3	X 230	+	0	690 Btuh
Duct load	Unsealed, R6.0, Supply(Attic), Return(Attic)				DGM = 0.00	0.0 Btuh
				Sensible Zone Load		**5286 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Jones Steve & Angie Addition
1564 NW Frontier Drive
Lake City, FL 32025-

Project Title:
509201ZecherBryan

Class 3 Rating
Registration No. 0
Climate: North

1/20/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**5286 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**5286 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**5286 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	1257 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (3 people @ 200 Btuh per person)	600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**1857 Btuh**
	TOTAL GAIN	**7143 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

Jones Steve & Angie Addition
1564 NW Frontier Drive
Lake City, FL 32025-

Project Title:
509201ZecherBryan

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 1/20/2006
This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Zone #1: Main

	Type*		Overhang		Window Area(sqft)			HTM		Load
Window	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2, Clear, 0.87, None,N,N	W	1.5ft.	6ft.	30.0	1.5	28.5	29	80	2311 Btuh
	Window Total				30 (sqft)					2311 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	450.0	2.1	939 Btuh
	Wall Total		450 (sqft)		939 Btuh
Doors	Type		Area (sqft)	HTM	Load
1	Insulated - Exterior		20.0	9.8	196 Btuh
	Door Total		20 (sqft)		196 Btuh
Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	308.0	1.7	510 Btuh
	Ceiling Total		308 (sqft)		510 Btuh
Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	50 (ft(p))	0.0	0 Btuh
	Floor Total		50.0 (sqft)		0 Btuh
			Zone Envelope Subtotal:		3956 Btuh

Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.67	3080	34.4	640 Btuh
Internal gain		Occupants	Btuh/occupant	Appliance	Load
		3	X 230 +	0	690 Btuh
Duct load	Unsealed, R6.0, Supply(Attic), Return(Attic)			DGM = 0.00	0.0 Btuh
				Sensible Zone Load	**5286 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Jones Steve & Angie Addition
1564 NW Frontier Drive
Lake City, FL 32025-

Project Title:
509201ZecherBryan

Class 3 Rating
Registration No. 0
Climate: North

1/20/2006

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	**5286 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**5286 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
Whole House	**Total sensible gain**	**5286 Btuh**
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	1257 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (3 people @ 200 Btuh per person)	600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**1857 Btuh**
	TOTAL GAIN	**7143 Btuh**

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

For Florida residences only

Residential Window Diversity

MidSummer

Jones Steve & Angie Addition
1564 NW Frontier Drive
Lake City, FL 32025-

Project Title:
509201ZecherBryan

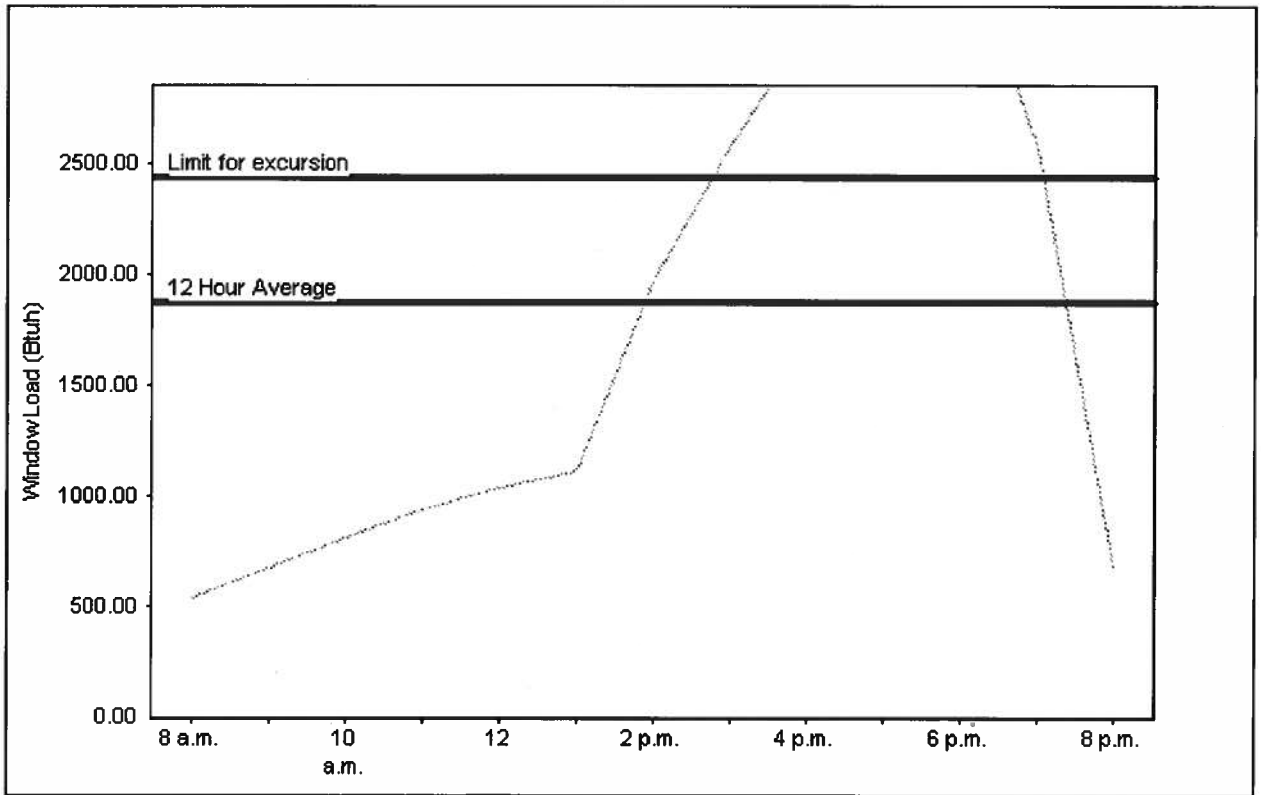
Class 3 Rating
Registration No. 0
Climate: North

1/20/2006

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	1878 Btuh
Summer setpoint	75 F	Peak window load for July	3678 Btuh
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	2441 Btuh
Latitude	29 North	Window excursion (July)	1236 Btuh

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

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

EnergyGauge® System Sizing for Florida residences only
PREPARED BY: Kelly Lucas
DATE: 1-20-06

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-R
2. Horizontal Slider	" "		FL 685 / FL 1384-R
3. Casement	—		
4. Double Hung	—		
5. Fixed	C / J		FL 681 / FL 1383-R
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	Elk / Certainteed		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	—		

Project Information for:	**L143761**		
Builder:	**BRYAN ZECHER**	Date:	12/29/2005
Lot:	**N/A**	Start Number:	**1622**
Subdivision:	**1564 NW FRONTIER DR.**		
County or City:	**COLUMBIA COUNTY**		
Truss Page Count:	9		

Truss Design Load Information (UNO) Design Program: MiTek 5.2 / 6.2

Gravity		Wind		Building Code:	FBC2004
Roof (psf):	**42**	Wind Standard:	**ASCE 7-02**		
Floor (psf):	55	Wind Speed (mph):	**110**		

Note: See individual truss drawings for special loading conditions

Building Designer, responsible for Structural Engineering: (See attached)

ZECHER, BRYAN C. CBC 054575
Address: PO BOX 815
ALACHUA,FL 32615 Designer: **139**

Truss Design Engineer: Thomas, E. Miller, P.E., 56877 - Byron K. Anderson, PE FL 60987
Company: Structural Engineering and Inspections, Inc. EB 9196
Address 16105 N. Florida Ave, Ste B, Lutz, FL 33549

Notes:

1. Truss Design Engineer is responsible for the individual trusses as components only.
2. Determination as to the suitability and use of these truss components for the structure is the responsibility of the Building Designer of Record, as defined in ANSI/TPI
3. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.
4. Trusses designed for veritcal loads only, unless noted otherwise.

#	Truss ID	Dwg. #	Seal Date	#	Truss ID	Dwg. #	Seal Date
1	CJ1	1229051622	12/29/2005				
2	CJ3	1229051623	12/29/2005				
3	CJ5	1229051624	12/29/2005				
4	EJ7	1229051625	12/29/2005				
5	HJ9	1229051626	12/29/2005				
6	T01	1229051627	12/29/2005				
7	T02	1229051628	12/29/2005				
8	T03	1229051629	12/29/2005				
9	T03A	1229051630	12/29/2005				

DEC 29 2005

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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**

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**

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

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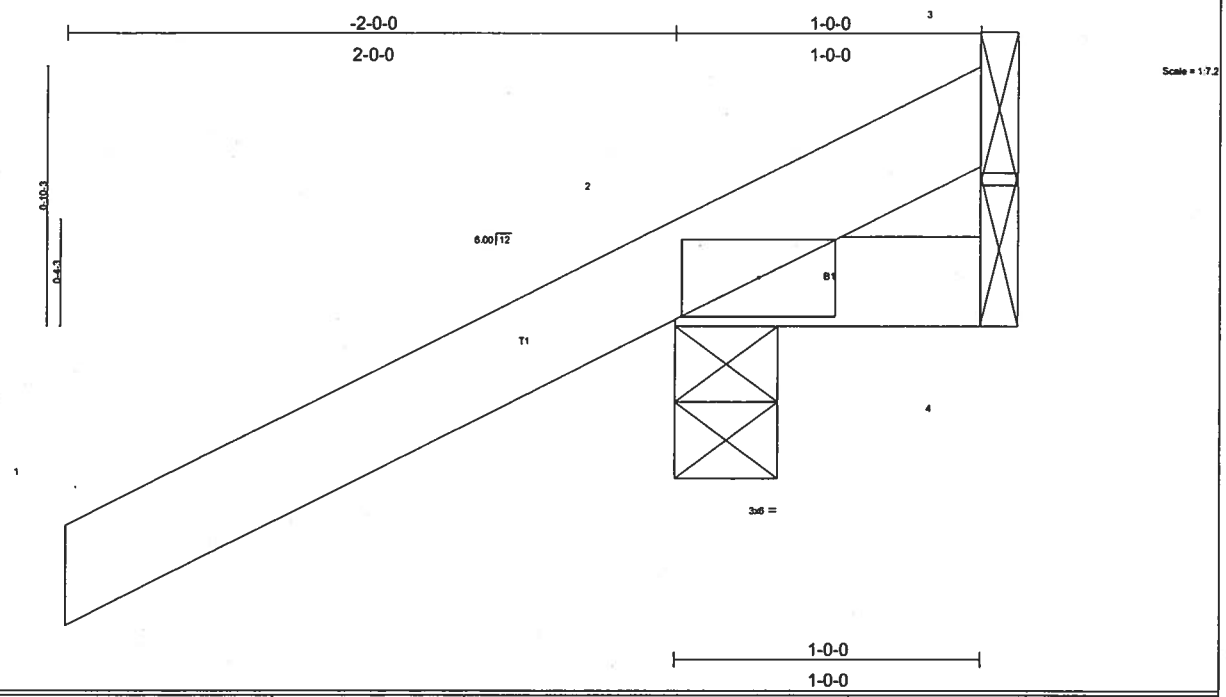
DECEMBER 29, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1229051622

Job	Truss	Truss Type	Qty	Ply	LAKE CITY COUNTRY CLUB
L143761	CJ1	MONO TRUSS	4	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 29 09:16:57 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	0.28	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>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: 7 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 1-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=267/0-4-0, 4=14/Mechanical, 3=-91/Mechanical
Max Horz 2=87(load case 5)
Max Uplift2=-275(load case 5), 3=-91(load case 1)
Max Grav 2=267(load case 1), 4=14(load case 1), 3=128(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-69/76
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 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 275 lb uplift at joint 2 and 91 lb uplift at joint 3.

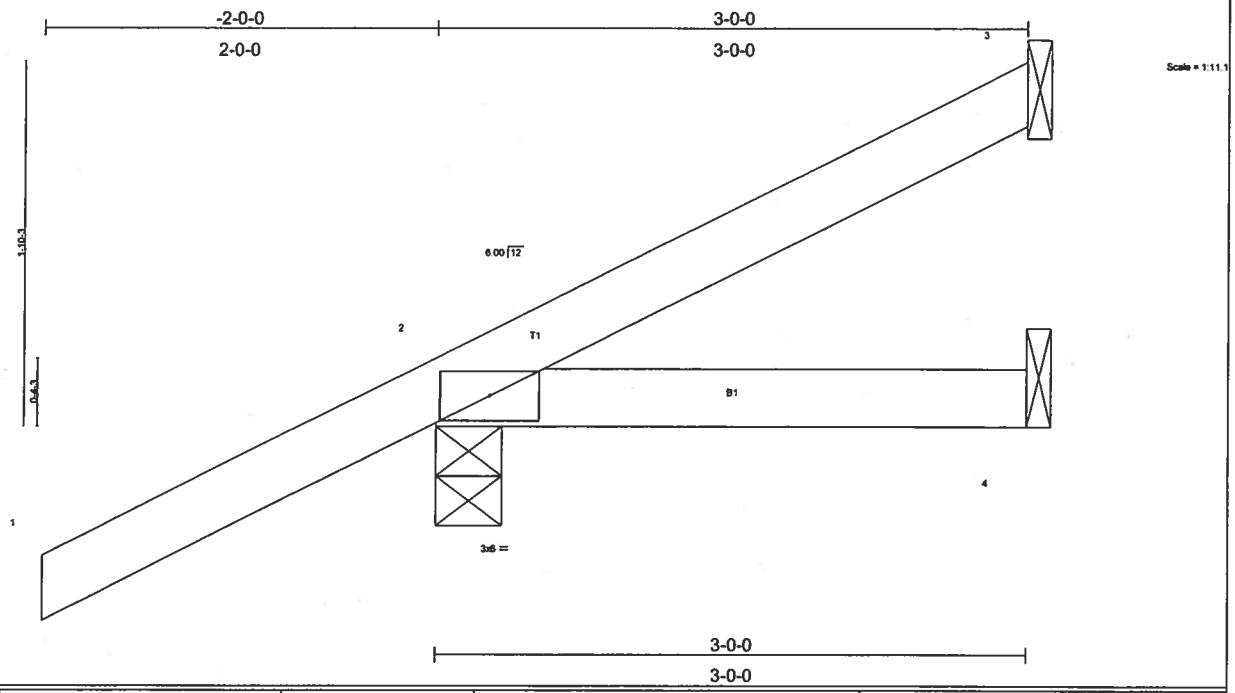
LOAD CASE(S) Standard

DECEMBER 29, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1229051623

Job	Truss	Truss Type	Qty	Ply	LAKE CITY COUNTRY CLUB
L143761	CJ3	MONO TRUSS	4	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 29 09:17:12 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/TPI2002		(Matrix)							Weight: 13 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 3-0-0 oc purlins.
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 Uplift3=-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; 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.
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.

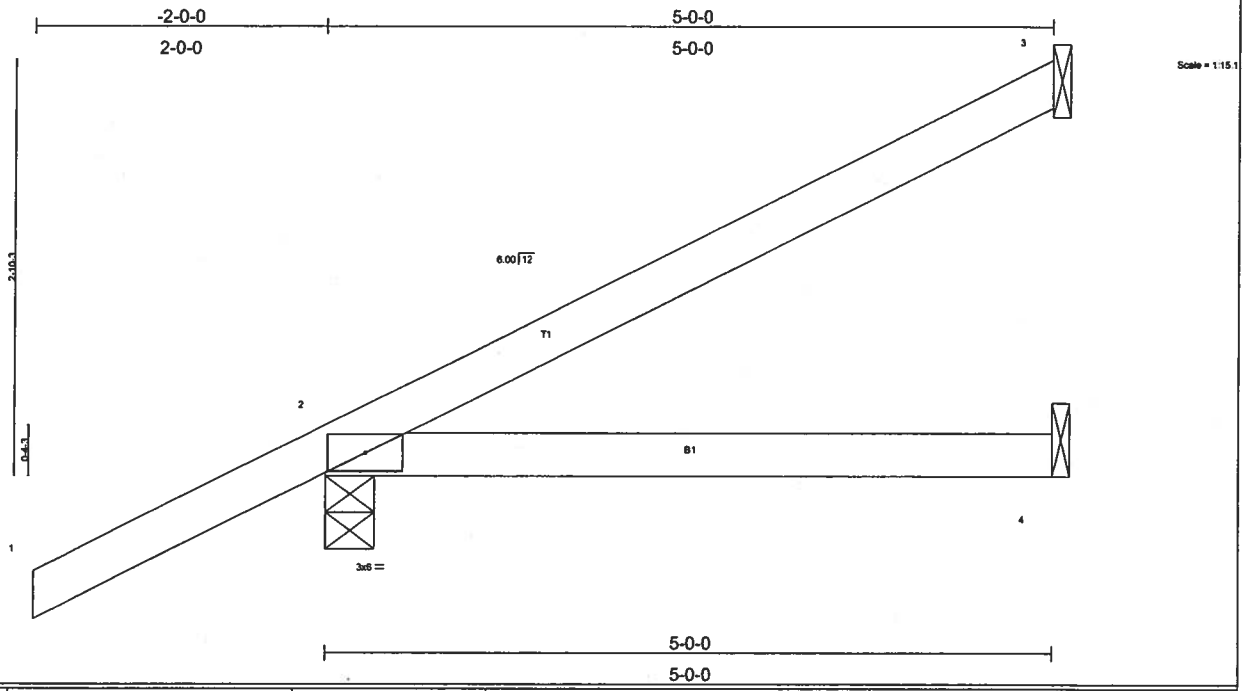
LOAD CASE(S) Standard

DECEMBER 29, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1229051624

Job	Truss	Truss Type	Qty	Ply	LAKE CITY COUNTRY CLUB
L143761	CJ5	MONO TRUSS	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 29 09:17:27 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)	-0.03	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 Uplift3=-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; 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.
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

DECEMBER 29, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1229051625

Job	Truss	Truss Type	Qty	Ply	LAKE CITY COUNTRY CLUB
L143761	EJ7	MONO TRUSS	5	1	Job Reference (optional)

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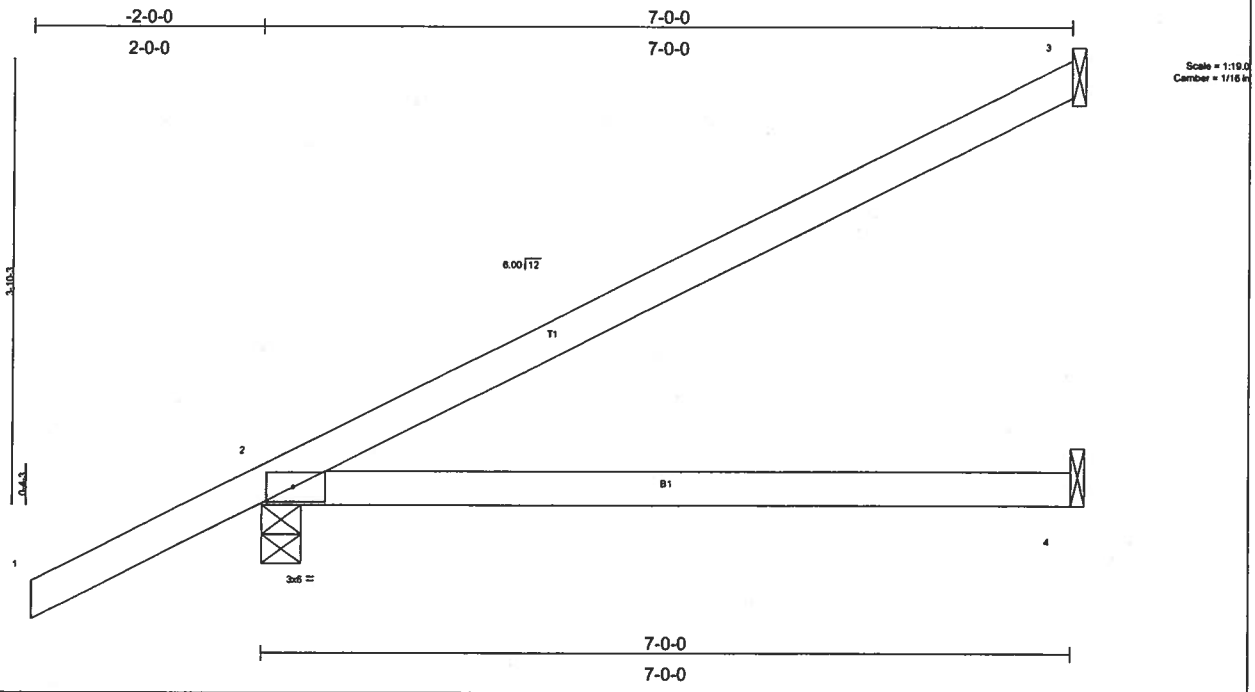


Plate Offsets (X,Y): [2:0-2-12,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.48	Vert(LL)	-0.12	2-4	>674	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.34	Vert(TL)	-0.20	2-4	>403	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: 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 Uplift3=-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; 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.
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.

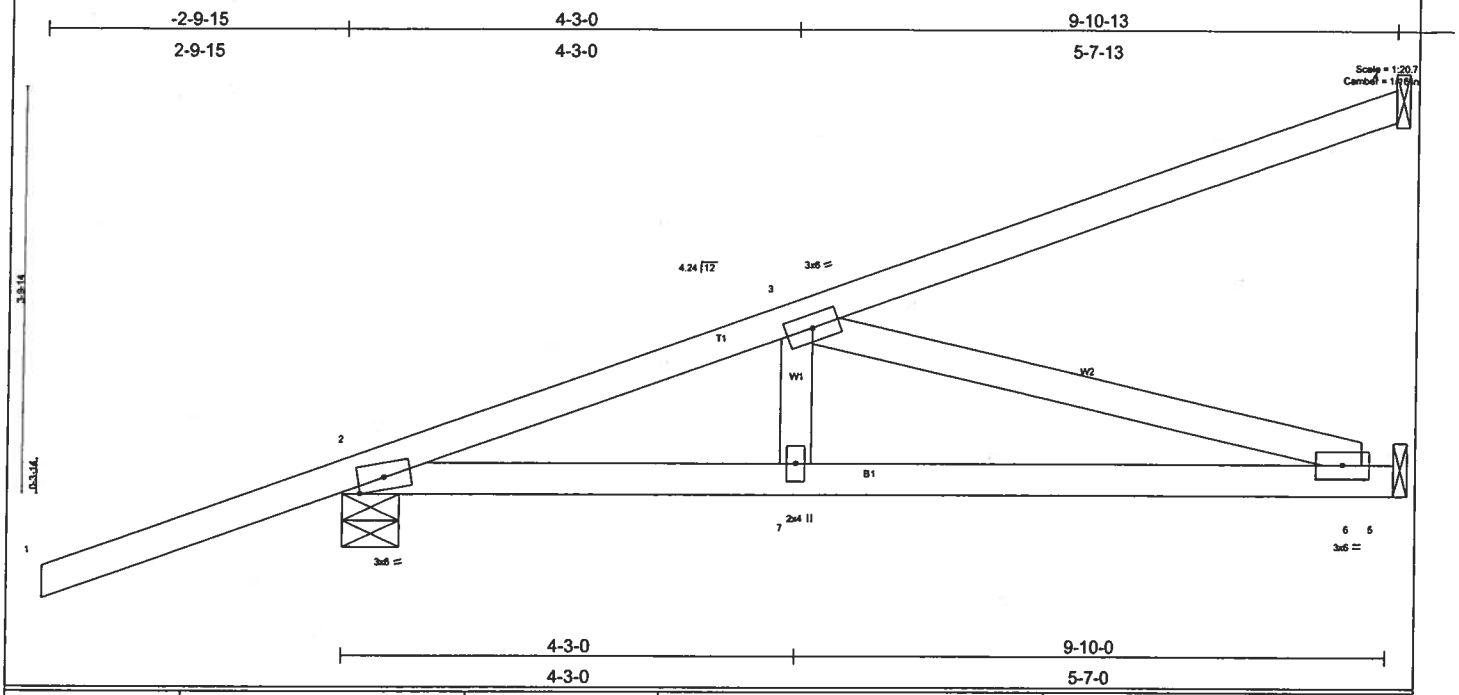
LOAD CASE(S) Standard

DECEMBER 29, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1229051626

Job	Truss	Truss Type	Qty	Ply	LAKE CITY COUNTRY CLUB
L143761	HJ9	MONO TRUSS	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 29 09:18:57 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	0.61	Vert(LL)	-0.10	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.57	Vert(TL)	-0.17	6-7	>686	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.46	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 45 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 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 4=269/Mechanical, 2=537/0-6-7, 5=373/Mechanical
Max Horz 2=269(load case 2)
Max Uplift4=-231(load case 2), 2=-284(load case 2), 5=-61(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/50, 2-3=-874/114, 3-4=-105/66
BOT CHORD 2-7=-302/808, 6-7=-302/808, 5-6=0/0
WEBS 3-7=0/177, 3-6=-840/315

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 231 lb uplift at joint 4, 284 lb uplift at joint 2 and 61 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)

DECEMBER 29, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1229051627

Job	Truss	Truss Type	Qty	Ply	LAKE CITY COUNTRY CLUB
L143761	T01	HIP	1	1	Job Reference (optional)

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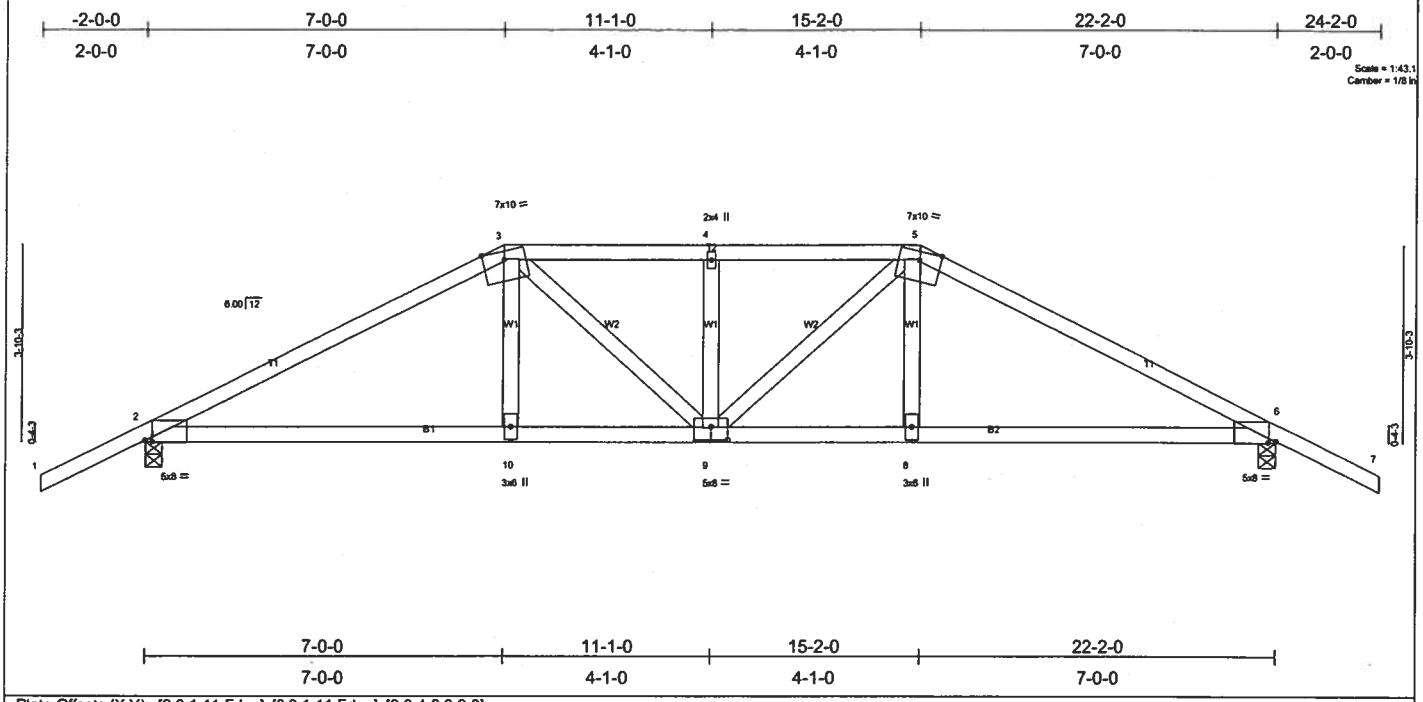

Plate Offsets (X,Y): [2:0-1-11,Edge], [6:0-1-11,Edge], [9:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.56	Vert(LL)	-0.17	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.74	Vert(TL)	-0.28	9-10	>936	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.26	Horz(TL)	0.11	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 105 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 2-11-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-8-12 oc bracing.

REACTIONS (lb/size) 2=1968/0-4-0, 6=1968/0-4-0
Max Horz 2=-87(load case 5)
Max Uplift2=-881(load case 4), 6=-881(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-3530/1420, 3-4=-3465/1485, 4-5=-3464/1484, 5-6=-3530/1420, 6-7=0/47
BOT CHORD 2-10=-1216/3064, 9-10=-1226/3097, 8-9=-1185/3097, 6-8=-1175/3064
WEBS 3-10=-233/803, 3-9=-331/602, 4-9=-457/412, 5-9=-330/602, 5-8=-233/802

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) 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.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 881 lb uplift at joint 2 and 881 lb uplift at joint 6.
5) Girder carries hip end with 7-0-0 end setback.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 277 lb up at 15-2-0, and 539 lb down and 277 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) 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, 3-5=-117(F=-63), 5-7=-54, 2-10=-30, 8-10=-65(F=-35), 6-8=-30
Concentrated Loads (lb)
Vert: 10=-539(F) 8=-539(F)

DECEMBER 29, 2005 TRUSS DESIGN ENGINEER:
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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

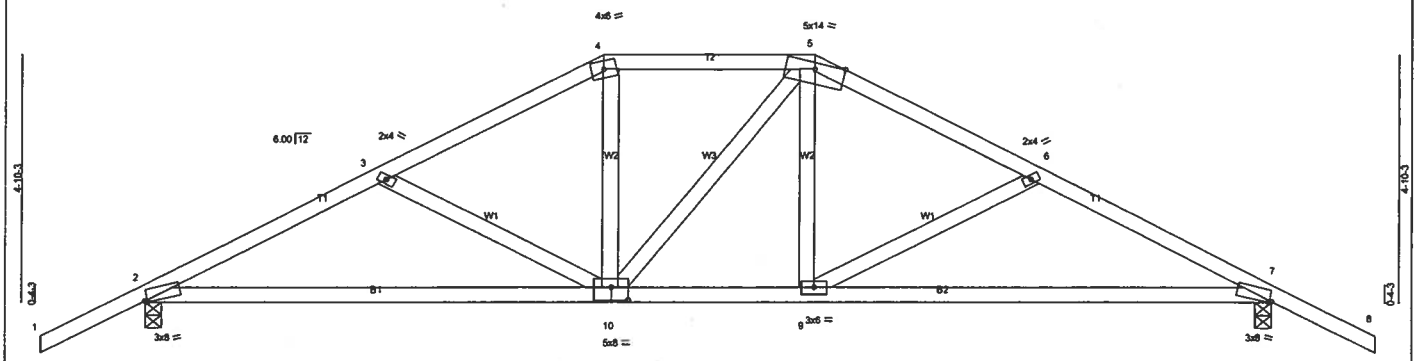
Dwg.#1229051628

Job	Truss	Truss Type	Qty	Ply	LAKE CITY COUNTRY CLUB
L143761	T02	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 29 09:19:46 2005 Page 1

-2-0-0	4-9-4	9-0-0	13-2-0	17-4-12	22-2-0	24-2-0
2-0-0	4-9-4	4-2-12	4-2-0	4-2-12	4-9-4	2-0-0

Scale = 1:43.1
Camber = 1/8 in



9-0-0	13-2-0	22-2-0
9-0-0	4-2-0	9-0-0

Plate Offsets (X,Y): [2:0-0-10,Edge], [7:0-0-10,Edge], [10:0-4-0,0-3-0]

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)	-0.17	7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.45	Vert(TL)	-0.30	7-9	>885	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.12	Horz(TL)	0.05	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 112 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 4-10-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-9-0 oc bracing.

REACTIONS (lb/size) 2=1034/0-4-0, 7=1034/0-4-0
Max Horz 2=-101(load case 6)
Max Uplift2=-412(load case 5), 7=-412(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1510/636, 3-4=-1255/526, 4-5=-1083/522, 5-6=-1255/526, 6-7=-1510/636, 7-8=0/47
BOT CHORD 2-10=-404/1309, 9-10=-213/1082, 7-9=-404/1309
WEBS 3-10=-268/218, 4-10=-57/312, 5-10=-99/104, 5-9=-55/312, 6-9=-268/217

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) 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.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 412 lb uplift at joint 2 and 412 lb uplift at joint 7.

LOAD CASE(S) Standard

DECEMBER 29, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1229051629

Job	Truss	Truss Type	Qty	Ply	LAKE CITY COUNTRY CLUB
L143761	T03	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 29 09:25:01 2005 Page 1

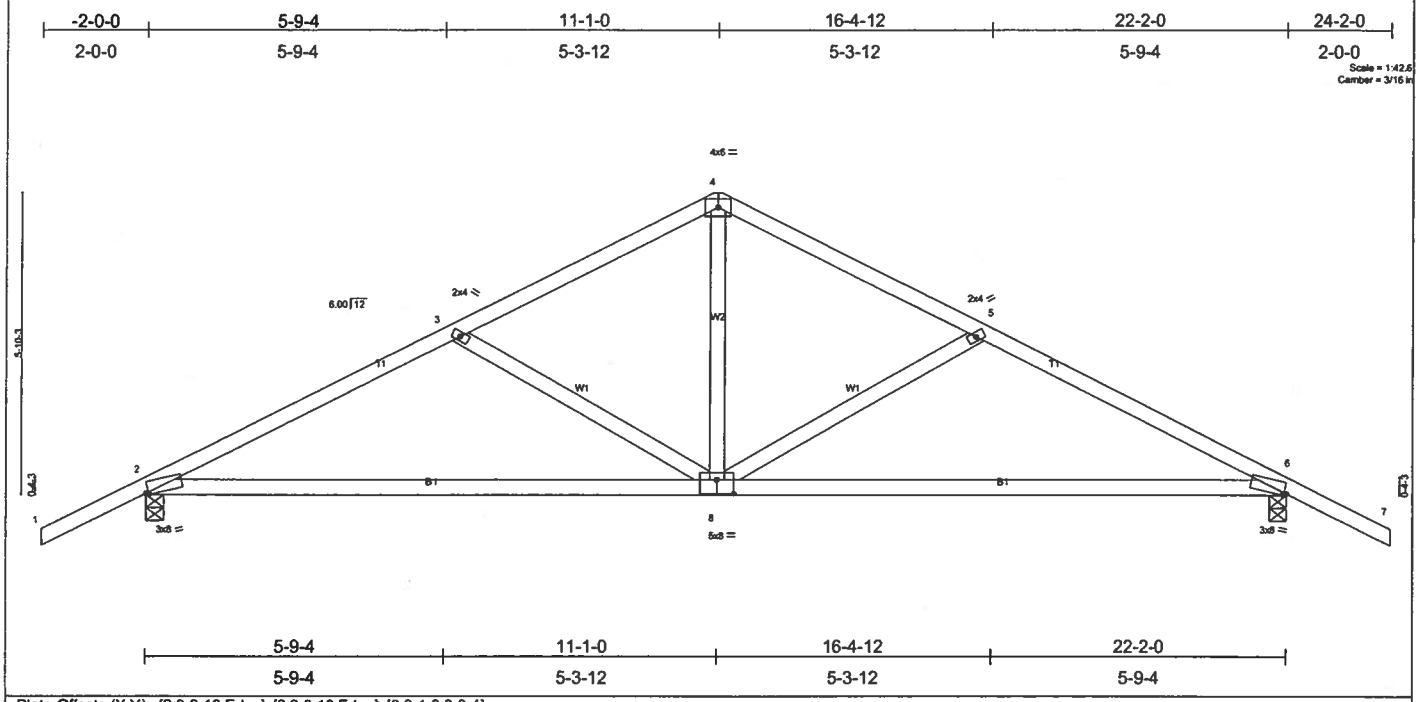


Plate Offsets (X,Y): [2:0-0-10,Edge], [6:0-0-10,Edge], [8:0-4-0,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	-0.26	6-8	>993	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.69	Vert(TL)	-0.45	6-8	>578	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.23	Horz(TL)	0.04	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 102 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 4-7-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=1034/0-4-0, 6=1034/0-4-0
Max Horz 2=-116(load case 6)
Max Uplift2=-425(load case 5), 6=-425(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1451/633, 3-4=-1137/497, 4-5=-1137/497, 5-6=-1451/633, 6-7=0/47
BOT CHORD 2-8=-389/1251, 6-8=-389/1251
WEBS 3-8=-361/287, 5-8=-361/287, 4-8=-211/707

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) 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.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 425 lb uplift at joint 2 and 425 lb uplift at joint 6.

LOAD CASE(S) Standard

DECEMBER 29, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

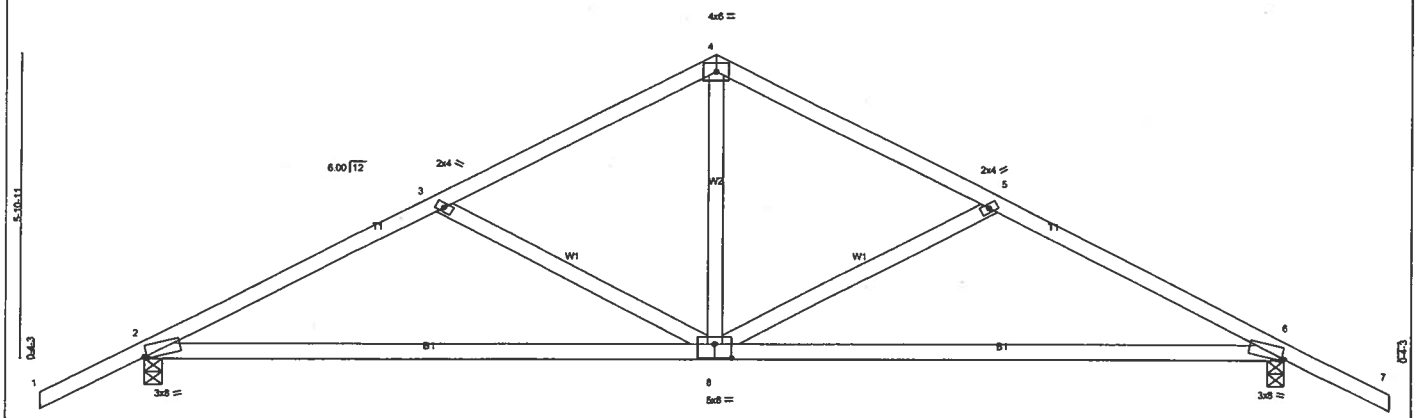
Dwg.#1229051630

Job	Truss	Truss Type	Qty	Ply	LAKE CITY COUNTRY CLUB
L143761	T03A	COMMON	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 29 09:25:31 2005 Page 1

-2-0-0	5-9-12	11-1-0	16-4-4	22-2-0	24-2-0
2-0-0	5-9-12	5-3-4	5-3-4	5-9-12	2-0-0

Scale = 1:42.6
Camber = 3/16 in



11-1-0	22-2-0
11-1-0	11-1-0

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.34	Vert(LL)	-0.26	6-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.69	Vert(TL)	-0.44	6-8	>590	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.24	Horz(TL)	0.05	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 102 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 4-8-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-10-6 oc bracing.

REACTIONS (lb/size) 2=1034/0-4-0, 6=1034/0-4-0
Max Horz 2=116(load case 5)
Max Uplift2=-425(load case 5), 6=-425(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1463/641, 3-4=-1141/495, 4-5=-1141/495, 5-6=-1463/641, 6-7=0/47
BOT CHORD 2-8=-399/1264, 6-8=-399/1264
WEBS 3-8=-368/289, 4-8=-190/683, 5-8=-368/289

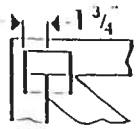
NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 425 lb uplift at joint 2 and 425 lb uplift at joint 6.

LOAD CASE(S) Standard

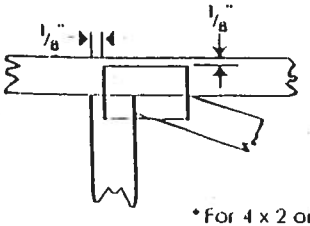
DECEMBER 29, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

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 seal.



* 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

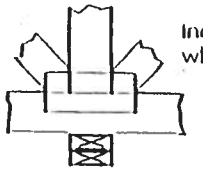
4 x 4

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

LATERAL BRACING

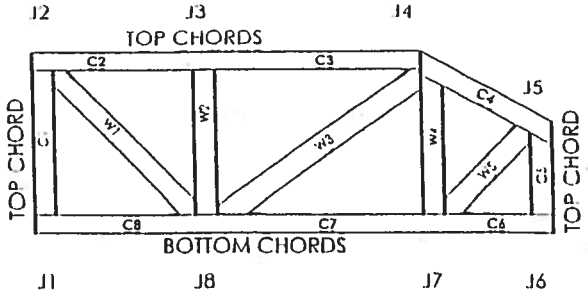
Indicates location of required continuous lateral bracing.

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/DILHR	960022-W, 970036-N
HER	561

MiTek Engineering Reference Sheet: MII-7473

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 ¼ 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.

COLUMBIA COUNTY BUILDING DEPARTMENT

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2001
ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE MARCH 1, 2002

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 1606 OF THE FLORIDA BUILDING CODE 2001 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1606 SHALL BE USED.

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

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

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS; Two (2) complete sets of plans containing the following:

Applicant	Plans Examiner	
☐	☐	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☑	☐	Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed.
☑	☐	**Site Plan including:** a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☐	☐	**Wind-load Engineering Summary, calculations and any details required** a) Plans or specifications must state compliance with FBC Section 1606 b) The following information must be shown as per section 1606.1.7 FBC a. Basic wind speed (MPH) b. Wind importance factor (I) and building category c. Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated d. The applicable internal pressure coefficient e. Components and Cladding. The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not specifally designed by the registered design professional
☑	☐	**Elevations including:**
☐	☐	a) All sides
☑	☐	b) Roof pitch
☑	☐	c) Overhang dimensions and detail with attic ventilation
☐	☐	d) Location, size and height above roof of chimneys
☐	☐	e) Location and size of skylights
☑	☐	f) Building height
☑	☐	e) Number of stories

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)

☑ ☐ 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)

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

Floor Framing System:

N/A ☐ 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 existing
b) Size of pressure tank
c) Cycle stop valve if used

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

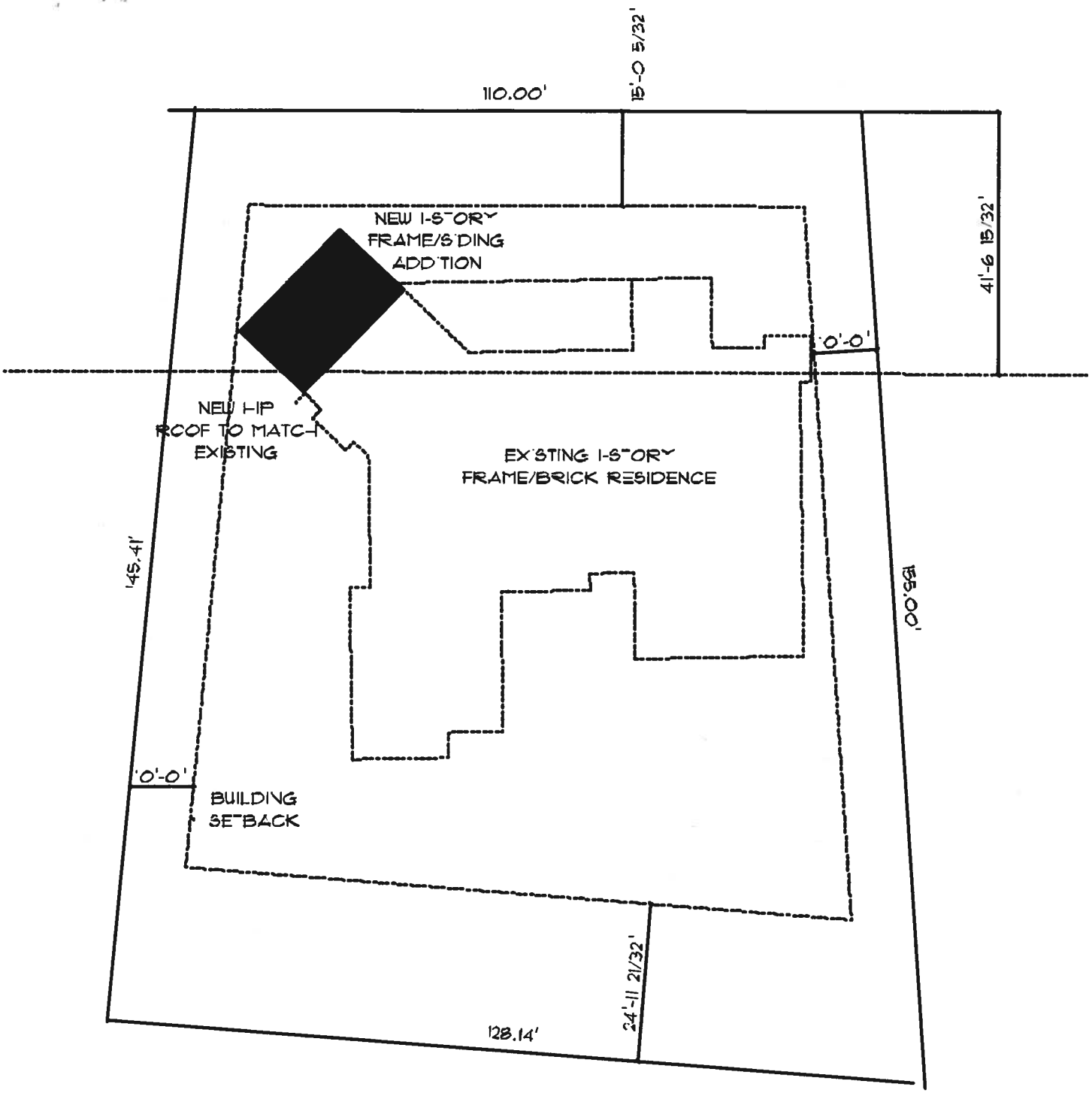
4. **City Approval:** If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to br submitted by the owner or contractor to this office when applying for a Building Permit.

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

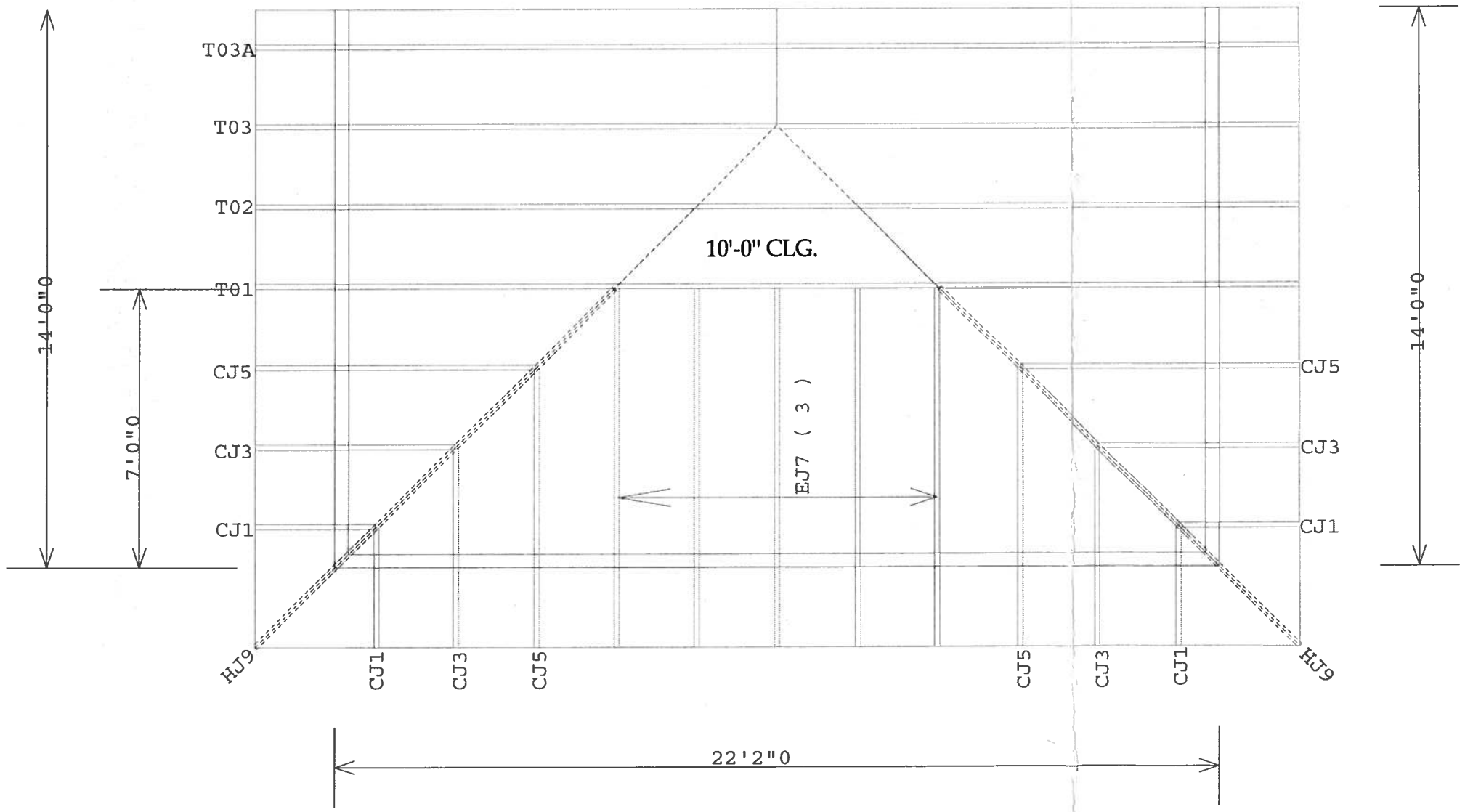
ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. YOU WILL BE NOTIFIED WHEN YOUR APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT. PLEASE DO NOT EXPECT OR REQUEST THAT PERMIT APPLICATIONS BE REVIEWED OR APPROVED WHILE YOU ARE HERE – TIME WILL NOT ALLOW THIS –PLEASE DO NOT ASK



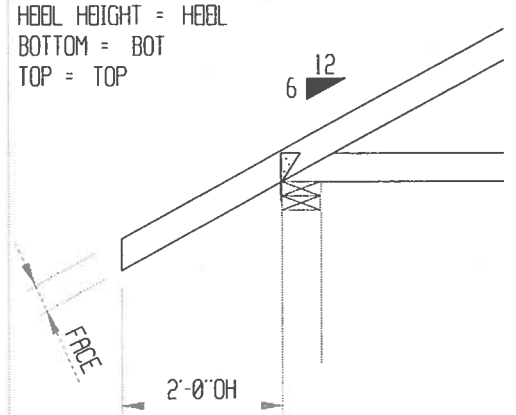
CL FOREST RIDGE DRIVE

* SITE PLAN *

SCALE : 1" = 30'-0'



APPROVED TRUSS ANCHOR BY BUILDER
PLUMB CUT OVERHANG
HEEL HEIGHT = HEEL
BOTTOM = BOT
TOP = TOP



TRUSS END DETAIL

BEARING HEIGHT SCHEDULE

10'-0"

OVERHANG

2'-0"

ROOF PITCH(S)

6/12

NOTES:

1.) REFER TO HIB 91 (RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY BRACING) REFER TO ENGINEERED DRAWINGS FOR PERMANENT BRACING REQUIRED.

2.) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECKED OR REFER TO DETAIL V105 FOR ALTERNATE BRACING REQUIREMENTS.

3.) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.

4.) ALL TRUSSES ARE DESIGNED FOR 2' o.c. MAXIMUM SPACING, UNLESS OTHERWISE NOTED.

5.) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.

6.) SY42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.

7.) ALL ROOF TRUSS HANGERS TO BE SIMPSON HUS26 UNLESS OTHERWISE NOTED. ALL FLOOR TRUSS HANGERS TO BE SIMPSON THA422 UNLESS OTHERWISE NOTED.

8.) BEAM/HEADER/LINTEL (HDR) TO BE FURNISHED BY BUILDER.

SHOP DRAWING APPROVAL

THIS LAYOUT IS THE SOLE SOURCE FOR FABRICATION OF TRUSSES AND VOIDS ALL PREVIOUS ARCHITECTURAL OR OTHER TRUSS LAYOUTS. REVIEW AND APPROVAL OF THIS LAYOUT MUST BE RECEIVED BEFORE ANY TRUSSES WILL BE BUILT. VERIFY ALL CONDITIONS TO INSURE AGAINST CHANGES THAT WILL RESULT IN EXTRA CHARGES TO YOU.

Requested Delivery Date _____

Approved by: _____ Date: _____

Builders FirstSource

Bunnell
PHONE: 904-437-3349 FAX: 904-437-3994

Jacksonville
PHONE: 904-772-6100 FAX: 904-772-1973

Lake City
PHONE: 904-755-6894 FAX: 904-755-7973

Sanford
PHONE: 407-322-0059 FAX: 407-322-5553

BUILDER:
BRYAN ZECHER CONSTRUCTION

LEGAL ADDRESS:
COLUMBIA, FL

MODEL:		REVISION:
ADDITION		SCALE: NTS
DATE: 12/29/05	DRAWN BY: AM	JOB #: L143761