

DATE 09/05/2006

Columbia County Building Permit

PERMIT
000024941

This Permit Expires One Year From the Date of Issue

APPLICANT CHARLES PEELER PHONE 623-4448

ADDRESS 2054 SW DAIRY STREET LAKE CITY FL 32024

OWNER STEVE & HAZEL CHRISTIE PHONE 867-1443

ADDRESS 3561 NW LASSIE BLACK ST LAKE CITY FL 32055

CONTRACTOR CHARLES PEELER PHONE 623-4448

LOCATION OF PROPERTY 41N, TR ON LASSIE BLACK ST, APPROXIMATELY 1 1/2 MILES ON
LEFT, GREEN ROOF ON HOUSE, 911 ADDRESS ON MAILBOX

TYPE DEVELOPMENT ADDITION TO SFD ESTIMATED COST OF CONSTRUCTION 38600.00

HEATED FLOOR AREA 772.00 TOTAL AREA 954.00 HEIGHT 1 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 4/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT 13

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

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

PARCEL ID 14-2S-16-01610-000 SUBDIVISION

LOT BLOCK PHASE UNIT TOTAL ACRES

RB0064655

Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor

EXISTING 06-0758-N BK JH N

Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE, ADDITION TO EXISTING HOUSE

Check # or Cash 1482

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 \$ 195.00 CERTIFICATION FEE \$ 4.77 SURCHARGE FEE \$ 4.77

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 279.54

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

CIC# 1482

For Office Use Only Application # 06008-73 Date Received 8/21/06 By GF Permit # 24941
 Application Approved by - Zoning Official BLK Date 20.08.06 Plans Examiner AK JH Date 8-25-06
 Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
 Comments Addition to existing House

Applicants Name Charles Peeten Phone 623-4448
 Address 2054 SW Dairy St. Lake City, FL 32024
 Owners Name Steve & Hazel Christie Phone 867-1443
 911 Address 3561 NW LASSIE BLACK ST. ~~LAKE CITY~~ WHITE SPRINGS, FL 32096
 Contractors Name Charles Peeten Const. Phone 623-4448
 Address 2054 SW Dairy St. Lake City, FL 32024
 Fee Simple Owner Name & Address Same as above
 Bonding Co. Name & Address N/A
 Architect/Engineer Name & Address William Myers, P.O. Box 1513, Lake City, FL 32056
 Mortgage Lenders Name & Address N/A

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number 14-25-16-01610-000 HX WX Estimated Cost of Construction 66,000
 Subdivision Name N/A Lot Block Unit Phase
 Driving Directions Take Hwy 41 North to Hwy 246 (Lassie Black St) Turn Right go approx. 1 1/2 miles home is on left. Green Roof house, 911 on mailbox

Type of Construction Home Addition SFD Number of Existing Dwellings on Property 1
 Total Acreage 40 Lot Size Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 312' Side 465' Side 795' Rear 1000'
 Total Building Height 13'8" Number of Stories 1 Heated Floor Area 772 Roof Pitch 4:12
70706 954

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 COMMENCEMENT 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)

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 21st day of August 2006

Personally known ✓ or Produced Identification

Contractor Signature

Contractors License Number 2B0064655

Competency Card Number

NOTARY STAMP/SEAL

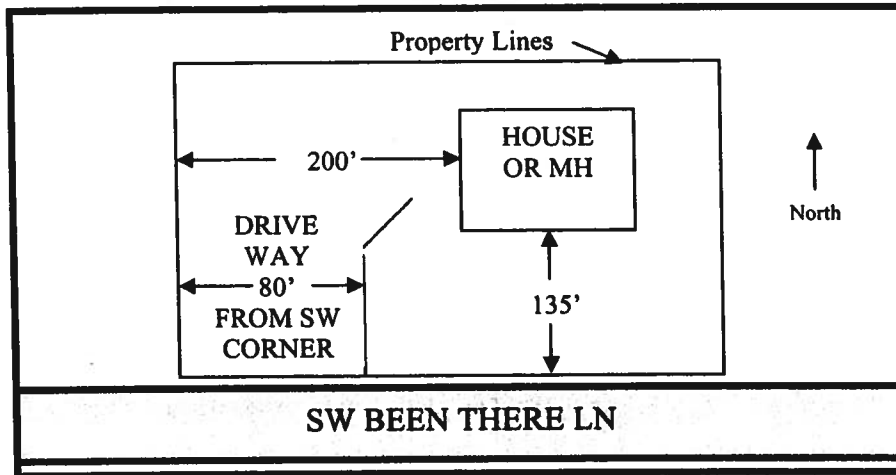
WANDA GAIL WARD
 MY COMMISSION # DD583146
 EXPIRES: AUG. 9, 2010
 Florida Notary Service.com

Notary Signature

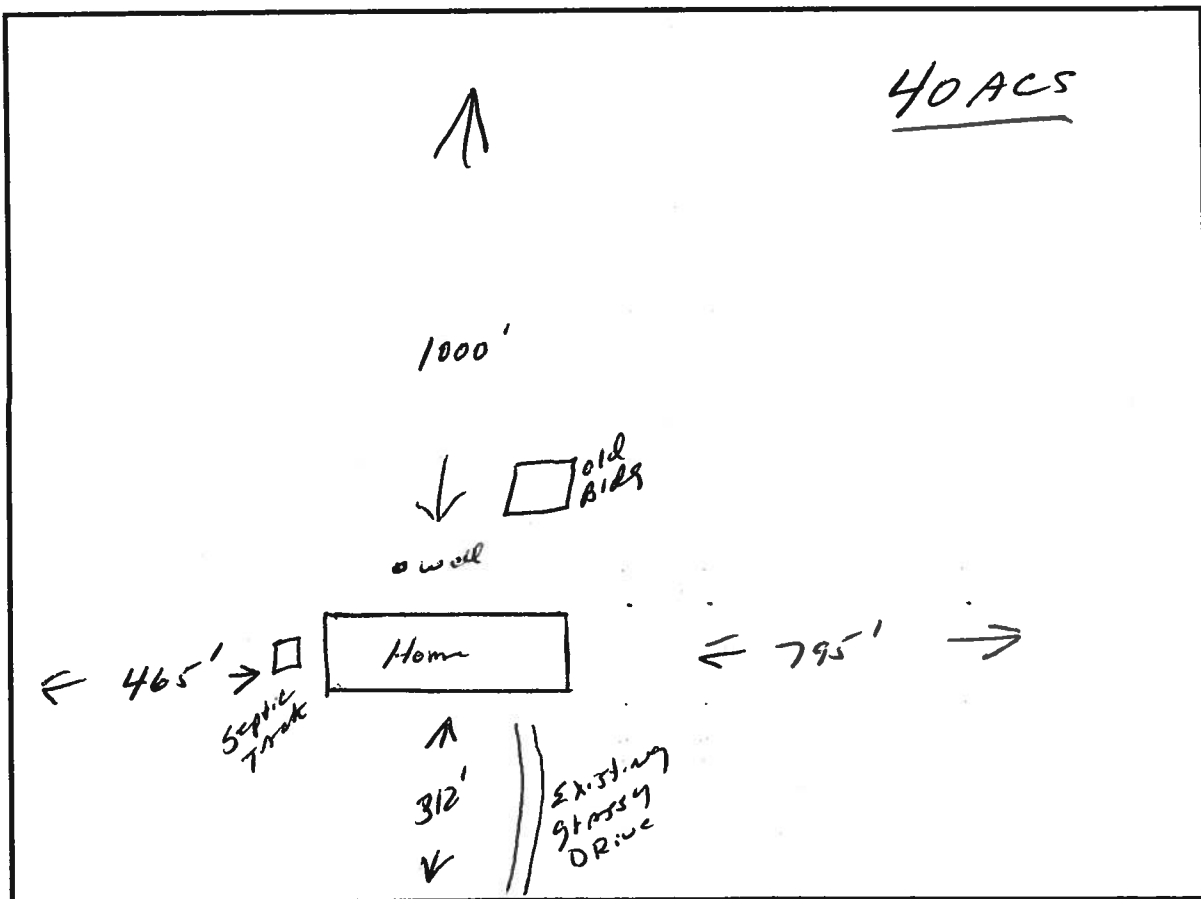
Real Estate
11/11/06
W. Craft

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

SAMPLE:



SITE PLAN BOX:





Columbia County Tax Collector

Site Provided by...
governmentmax.com T1.13

Tax Record

print

Account Number
1 of 1

Details

Tax Record

» Print View

License Renewal

Shopping Cart

Property Info →

Searches

Account Number

Owner Name

Mailing Address

Site Functions

Welcome

Tax Search

Occupational Lic.

Contact Us

Online Help

Home

DATA VIEW AS OF: 08/18/2006

Ad Valorem Taxes and Non-Ad Valorem Assessments

The information contained herein does not constitute a title search and should not be relied on as such.

Account Number	Tax Type	Tax Year	
R01610-000	Real Estate	2005	
Mailing Address CHRISTIE HAZEL M 3561 NW LASSIE BLACK ST WHITE SPRINGS FL 32096			
		Folio 103922.0000	
Assessed Value	Exempt Amount	Taxable Value	
\$35,970.00	\$25,500.00	\$10,470.00	
Exemption Detail WX \$500 HX \$25,000 Legal Description SE1/4 OF NW1/4. LIFE ESTATE ORB 605-84, 815-2138			
Millage Rate 003 19.06040			
Tax Districts Detail			
Code	Description	Exemption	Amount
C001	BOARD OF COUNTY COMMISSIONERS	\$0.00	\$91.36
IIDA	INDUSTRIAL DEVELOPEMENT AUTH	\$0.00	\$1.44
GGAR	SOLID WASTE - ANNUAL	\$0.00	\$147.00
HLSH	LAKE SHORE HOSPITAL AUTH	\$0.00	\$18.32
W SR	SUWANNEE RIVER WATER MGT DIST	\$0.00	\$5.14
FFIR	FIRE ASSESSMENTS	\$0.00	\$99.09
S002	COLUMBIA COUNTY SCHOOL BOARD	\$0.00	\$83.29
		Total Gross	\$445.64
		Interest	\$13.37
		Total	\$459.01
If Paid By		Amount Due	
		\$0.00	

Date Paid	Transaction	Receipt	Amount Paid
04/20/2006	PAYMENT	3501333.0001	\$459.01

Prior Year Taxes Due
NO DELINQUENT TAXES

Columbia County Property Appraiser

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

PARCEL: 14-2S-16-01610-000 HX WX - IMPROVED A (005000)

Name: CHRISTIE HAZEL M

LandVal	\$3,500.00
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Site: LASSIE BLACK

BldgVal	\$50.231.00
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Mail: 3561 NW LASSIE BLACK ST

ApprVal	\$62,251.00
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Mail: WHITE SPRINGS, FL 32096

JustVal	\$191.731.00
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Sales

Assd	\$37.240.00
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Info

Exmpt	\$25,500.00
Taxable	\$11,740.00

A horizontal number line with tick marks at 0, 0.2, 0.4, and 0.6. The unit is miles (mi).



This information, GIS Map Updated: 8/1/2006, was derived from data which was compiled by the Columbia County Property Appraiser's 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, its use, or its 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.

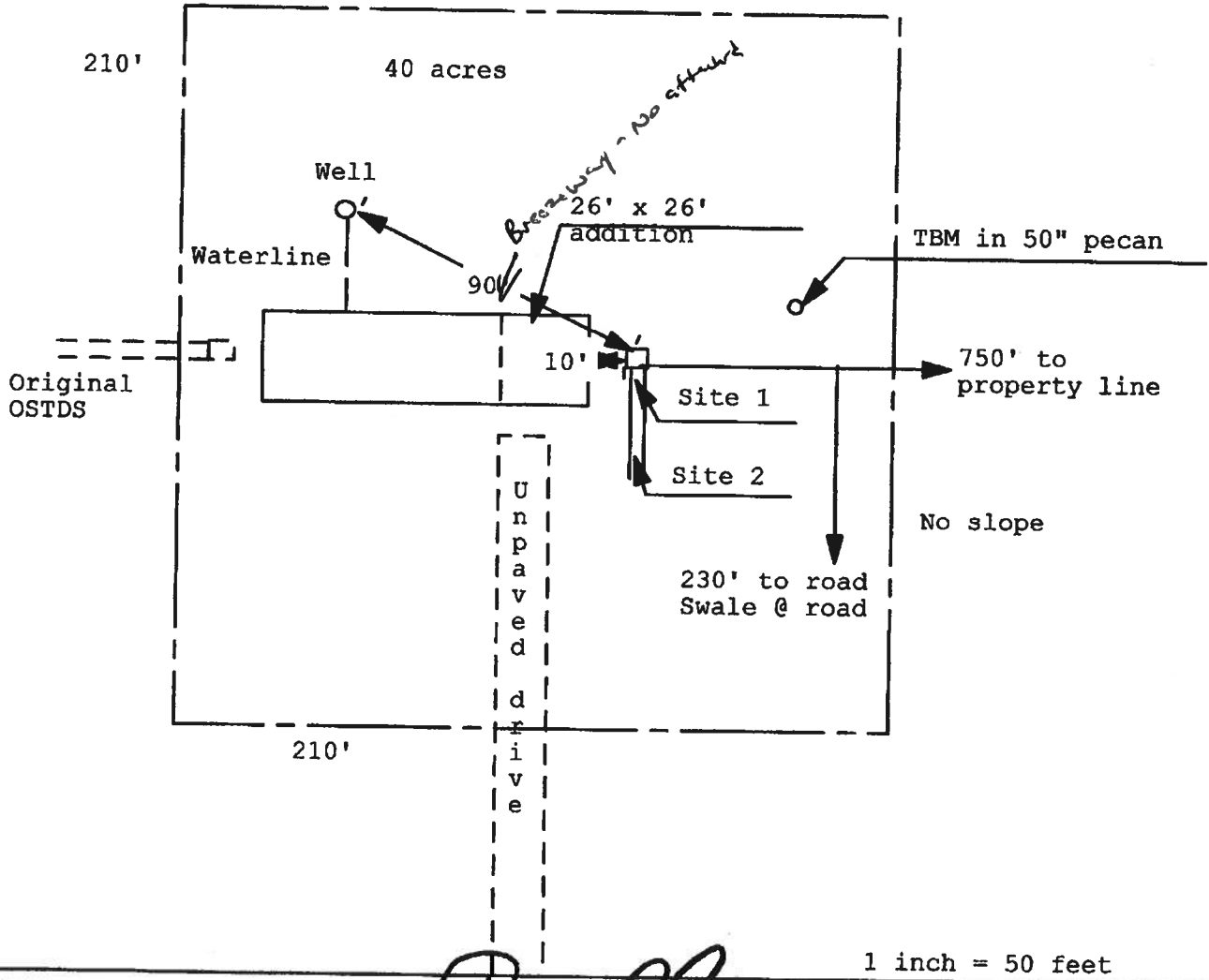
Bldg/pt 0608-73

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

Permit Application Number: 06-0758N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

CHRISTIE/CR 06-3628



Site Plan Submitted By Paul L. Lee Date 8/7/06
Plan Approved ☒ Not Approved ☐ Date 8/2/06
By M. J. L. Columbin CPHU

Notes: _____

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name:	Charles Peeler - Christie	Builder:	Charles Peeler
Address:	3561 NW LASSIE BLACK ST	Permitting Office:	Columbia
City, State:	, FL 32096-	Permit Number:	24941
Owner:	Christie Residence	Jurisdiction Number:	221000
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 24.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 16.00
4. Number of Bedrooms	1	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	772 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: 24.0 kBtu/hr
a. U-factor:	Description Area		HSPF: 7.40
(or Single or Double DEFAULT) 7a(Sngle Default) 192.3 ft²		b. N/A	
b. SHGC:		c. N/A	
(or Clear or Tint DEFAULT) 7b. (Clear) 192.3 ft²		14. Hot water systems	
8. Floor types		a. Electric Resistance	Cap: 50.0 gallons
a. Slab-On-Grade Edge Insulation	R=0.0, 120.0(p) ft		EF: 0.90
b. N/A		b. N/A	
c. N/A		c. Conservation credits	
9. Wall types		(HR-Heat recovery, Solar	
a. Frame, Wood, Exterior	R=13.0, 579.7 ft²	DHP-Dedicated heat pump)	
b. N/A		15. HVAC credits	PT, CF,
c. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
d. N/A		HF-Whole house fan,	
e. N/A		PT-Programmable Thermostat,	
10. Ceiling types		MZ-C-Multizone cooling,	
a. Under Attic	R=30.0, 772.0 ft²	MZ-H-Multizone heating)	
b. N/A			
c. N/A			
11. Ducts(Leak Free)			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 20.0 ft		
b. N/A			

Glass/Floor Area: 0.25

Total as-built points: 10100

Total base points: 10115

PASS

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

PREPARED BY: Jon Maccis

DATE: 8-2-06

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

OWNER/AGENT: _____

DATE: _____

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: 3561 NW LASSIE BLACK ST, , FL, 32096-

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	772.0	20.04	2784.8	Single, Clear	W	1.5	8.0	15.0	43.84	0.96	630.0
				Single, Clear	W	1.5	8.0	6.0	43.84	0.96	252.0
				Single, Clear	N	1.5	8.0	18.0	21.73	0.97	378.3
				Single, Clear	W	1.5	8.0	15.0	43.84	0.96	630.0
				Single, Clear	N	1.5	8.0	15.0	21.73	0.97	315.3
				Single, Clear	E	1.5	8.0	15.0	47.92	0.96	688.3
				Single, Clear	E	8.5	8.0	15.0	47.92	0.50	361.0
				Single, Clear	E	8.5	8.0	20.0	47.92	0.50	481.3
				Single, Clear	E	8.5	8.0	40.0	47.92	0.50	962.7
				Single, Clear	S	8.5	8.0	33.3	40.81	0.51	695.3
				As-Built Total:		192.3			5394.2		
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		579.7		1.50 869.6		
Exterior	579.7	1.70	985.5								
Base Total: 579.7 985.5				As-Built Total:		579.7			869.6		
DOOR TYPES Area X BSPM = Points				Type	Area X SPM = Points						
Adjacent	0.0	0.00	0.0								
Exterior	0.0	0.00	0.0								
Base Total: 0.0 0.0				As-Built Total:		0.0			0.0		
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	772.0	1.73	1335.6	Under Attic	30.0		772.0 1.73 X 1.00		1335.6		
Base Total: 772.0 1335.6				As-Built Total:		772.0			1335.6		
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Slab	120.0(p)	-37.0	-4440.0	Slab-On-Grade Edge Insulation	0.0		120.0(p) -41.20		-4944.0		
Raised	0.0	0.00	0.0								
Base Total: -4440.0				As-Built Total:		120.0			-4944.0		
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
772.0 10.21 7882.1				772.0 10.21 7882.1							

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

ADDRESS: 3561 NW LASSIE BLACK ST, , FL, 32096-

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 8547.9				Summer As-Built Points: 10537.4						
Total Summer Points	X System Multiplier	=	Cooling 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	=	Cooling Points
8547.9	0.4266		3646.5	(sys 1: Central Unit 24000 btuh , SEER/EFF(16.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS) 10537 1.00 (1.09 x 1.000 x 0.91) 0.213 0.902 2012.2 10537.4 1.00 0.992 0.213 0.902 2012.2						

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

ADDRESS: 3561 NW LASSIE BLACK ST, , FL, 32096-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	772.0	12.74	1770.4	Single, Clear	W	1.5	8.0	15.0	28.84	1.01	437.4
				Single, Clear	W	1.5	8.0	6.0	28.84	1.01	175.0
				Single, Clear	N	1.5	8.0	18.0	33.22	1.00	598.5
				Single, Clear	W	1.5	8.0	15.0	28.84	1.01	437.4
				Single, Clear	N	1.5	8.0	15.0	33.22	1.00	498.7
				Single, Clear	E	1.5	8.0	15.0	26.41	1.02	404.0
				Single, Clear	E	8.5	8.0	15.0	26.41	1.30	516.1
				Single, Clear	E	8.5	8.0	20.0	26.41	1.30	688.1
				Single, Clear	E	8.5	8.0	40.0	26.41	1.30	1376.2
				Single, Clear	S	8.5	8.0	33.3	20.24	2.83	1909.7
				As-Built Total:				192.3		7041.0	
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		579.7	3.40		1971.0	
Exterior	579.7	3.70	2144.9								
Base Total:		579.7	2144.9	As-Built Total:		579.7		1971.0			
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	0.0	0.00	0.0								
Exterior	0.0	0.00	0.0								
Base Total:		0.0	0.0	As-Built Total:		0.0		0.0			
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	772.0	2.05	1582.6	Under Attic	30.0		772.0	2.05 X 1.00		1582.6	
Base Total:		772.0	1582.6	As-Built Total:		772.0		1582.6			
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	120.0(p)	8.9	1068.0	Slab-On-Grade Edge Insulation	0.0		120.0(p)	18.80		2256.0	
Raised	0.0	0.00	0.0								
Base Total:		1068.0		As-Built Total:		120.0		2256.0			
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
		772.0	-0.59			772.0		-0.59		-455.5	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: 3561 NW LASSIE BLACK ST, , FL, 32096-

PERMIT #:

BASE				AS-BUILT						
Winter Base Points:		6110.4		Winter As-Built Points:			12395.1			
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	
6110.4		0.6274								
				(sys 1: Electric Heat Pump 24000 btuh ,EFF(7.4) Ducts:Unc(S),Unc(R),Int(AH),R6.0						
				12395.1	1.000	(1.069 x 1.000 x 0.93)	0.461	0.950	5394.6	
				12395.1	1.00	0.994	0.461	0.950	5394.6	

WATER HEATING & CODE COMPLIANCE STATUS**Residential Whole Building Performance Method A - Details**

ADDRESS: 3561 NW LASSIE BLACK ST, , FL, 32096-

PERMIT #:

BASE				AS-BUILT					
WATER HEATING									
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank X Ratio	Multiplier X Credit	= Total Multiplier
1		2635.00	2635.0	50.0	0.90	1	1.00	2693.56	1.00 2693.6
				As-Built Total:					2693.6

CODE COMPLIANCE STATUS									
BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points	= Total Points	Cooling Points	+	Heating Points	+ Hot Water Points = Total Points
3647		3834		2635	10115	2012		5395	2694 10100

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: 3561 NW LASSIE BLACK ST, , FL, 32096-

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.	

Tested sealed ducts must be certified in this house.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 84.3

The higher the score, the more efficient the home.

Christie Residence, 3561 NW LASSIE BLACK ST, , FL, 32096-

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 24.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 16.00
4. Number of Bedrooms	1	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft ²)	772 ft ²		
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 24.0 kBtu/hr
(or Single or Double DEFAULT) 7a(Sngle Default)	192.3 ft ²		HSPF: 7.40
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT) 7b. (Clear)	192.3 ft ²	c. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 120.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 50.0 gallons
c. N/A			EF: 0.90
9. Wall types		b. N/A	
a. Frame, Wood, Exterior	R=13.0, 579.7 ft ²	c. Conservation credits	
b. N/A		(HR-Heat recovery, Solar	
c. N/A		DHP-Dedicated heat pump)	
d. N/A		15. HVAC credits	PT, CF,
e. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		HF-Whole house fan,	
a. Under Attic	R=30.0, 772.0 ft ²	PT-Programmable Thermostat,	
b. N/A		MZ-C-Multizone cooling,	
c. N/A		MZ-H-Multizone heating)	
11. Ducts(Leak Free)			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 20.0 ft		
b. N/A			

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

Builder Signature: _____ Date: _____

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



**NOTE: The home's estimated energy performance 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 EnergyStarTM 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.
EnergyGauge® (Version: FLRCPB v4.1)

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

***** THIS DOCUMENT MUST BE RECORDED AT THE COUNTY
CLERKS OFFICE BEFORE YOUR FIRST INSPECTION. *****

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.

Tax Parcel ID Number 14-25-16-01610-000 HX WX

PERMIT NUMBER _____

1. Description of property: (legal description of the property and street address or 911 address)
3561 NW LASSIE BLACK ST., W. LA SPRINGS, FL. 32096
2. General description of Improvement: 26'x26" Addition to Existing Home
3. Owner Name & Address Steve & Hazel Christie, 3561 NW Lassie Black St. Lake White Springs, FL 32096 Interest in Property _____
4. Name & Address of Fee Simple Owner (if other than owner): _____
5. Contractor Name Charles Reeler Const. Phone Number 623-4448
Address 2054 SW DAIRY ST. LAKE CITY, FL. 32024
6. Surety Holders Name N/A Phone Number _____
Address _____
Amount of Bond N/A Inst: 2006019769 Date: 08/21/2006 Time: 14:39
7. Lender Name N/A J.F. DC, P. DeWitt Cason, Columbia County B: 1093 P: 1026
Address _____
8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:
Name _____ Phone Number _____
Address _____
9. In addition to himself/herself the owner designates Charles Reeler Const. of Charles Reeler Const. to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -
(a) 7. Phone Number of the designee 623-4448
10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified) _____

NOTICE AS PER CHAPTER 713, Florida Statutes:

The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

[Signature]
Signature of Owner

Sworn to (or affirmed) and subscribed before
day of Aug 13, 2006

NOTARY STAMP/SEAL



[Signature]
Signature of Notary

Job L206669	Truss T01G	Truss Type COMMON	Qty 1	Ply 1	CASH ACCOUNT/CHARLES PEELER-CHRIST
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Builders FirstSource, Lake City, FL 32055

Job Reference (optional)

6.200 s Jul 13 2005 MITek Industries, Inc. Tue Aug 15 10:56:13 2006 Page 1

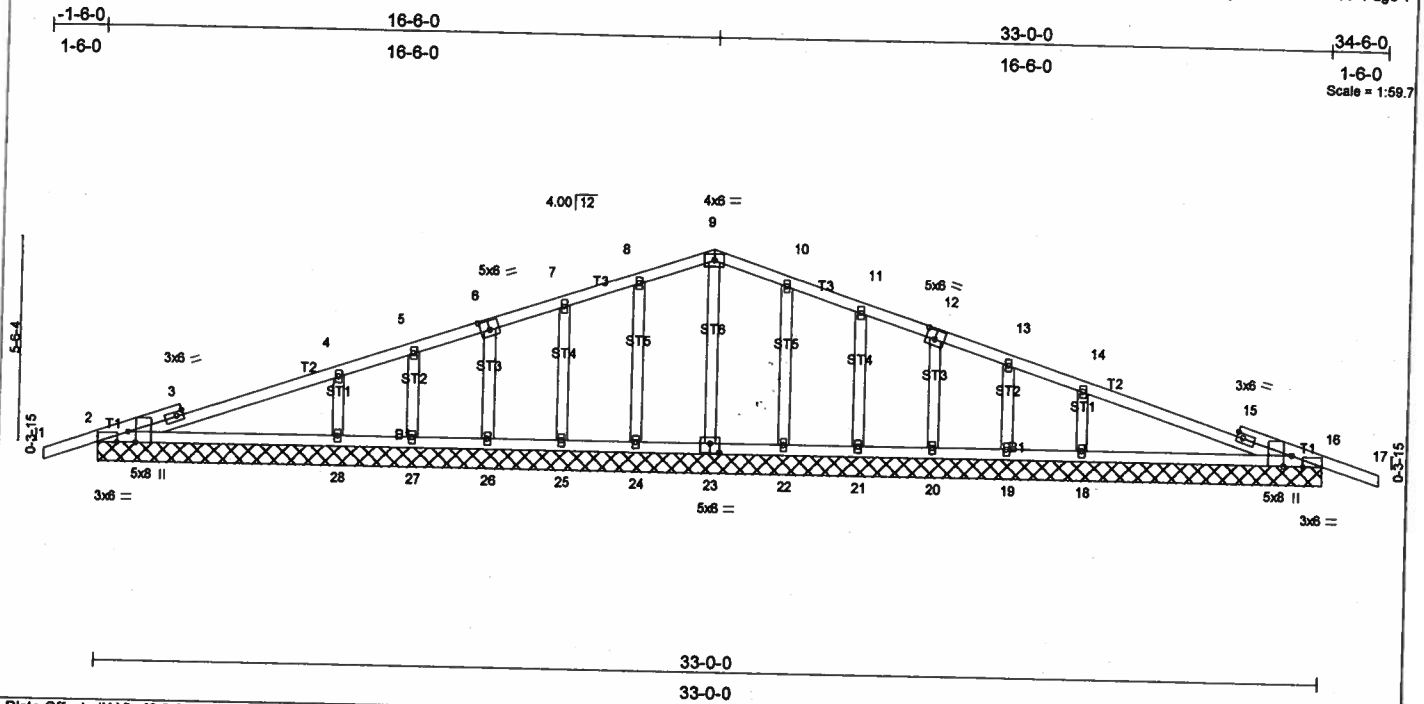


Plate Offsets (X,Y): [2-0-3-8,Edge], [2-0-3-12,Edge], [6-0-3-0-0-3-0], [12-0-3-0-0-3-0], [16-0-3-12,Edge], [16-0-3-8,Edge], [23-0-3-0-0-3-0]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.61	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.29	Vert(LL) 0.05 17 n/r 120		
BCLL 10.0	Lumber Increase 1.25	WB 0.17	Vert(TL) 0.08 17 n/r 90		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) -0.01 16 n/a n/a		
	Code FBC2004/TP12002				
				Weight: 162 lb	

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

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

REACTIONS (lb/size) 2=385/33-0-0, 23=399/33-0-0, 24=247/33-0-0, 25=217/33-0-0, 26=306/33-0-0, 27=63/33-0-0, 28=769/33-0-0, 22=247/33-0-0, 21=217/33-0-0, 20=306/33-0-0, 19=63/33-0-0, 18=769/33-0-0, 16=385/33-0-0
 Max Horz 2=95(load case 3)
 Max Uplift 2=187(load case 5), 23=67(load case 5), 24=101(load case 3), 25=95(load case 5), 26=123(load case 5), 27=66(load case 9), 28=294(load case 5), 22=99(load case 4), 21=96(load case 6), 20=123(load case 4), 19=66(load case 10), 18=299(load case 4), 16=197(load case 4)
 Max Grav 2=399(load case 9), 23=399(load case 1), 24=249(load case 9), 25=217(load case 1), 26=307(load case 9), 27=14(load case 6), 28=775(load case 9), 22=249(load case 10), 21=217(load case 1), 20=307(load case 10), 19=11(load case 5), 18=775(load case 10), 16=399(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=3/39, 2-3=188/265, 3-4=188/374, 4-5=96/260, 5-6=95/320, 6-7=57/310, 7-8=25/313, 8-9=0/310, 9-10=0/310, 10-11=10/313, 11-12=31/310, 12-13=62/320, 13-14=62/260, 14-15=166/374, 15-16=165/265, 16-17=3/39
BOT CHORD 2-28=267/235, 27-28=267/235, 26-27=267/235, 25-26=270/238, 24-25=270/238, 23-24=270/238, 22-23=270/238, 21-22=270/238, 20-21=270/238, 19-20=267/235, 18-19=267/235, 16-18=267/235
WEBS 9-23=340/83, 8-24=187/124, 7-25=165/123, 6-26=219/150, 5-27=0/22, 4-28=539/342, 10-22=187/124, 11-21=165/123, 12-20=219/150, 13-19=0/22, 14-18=539/342

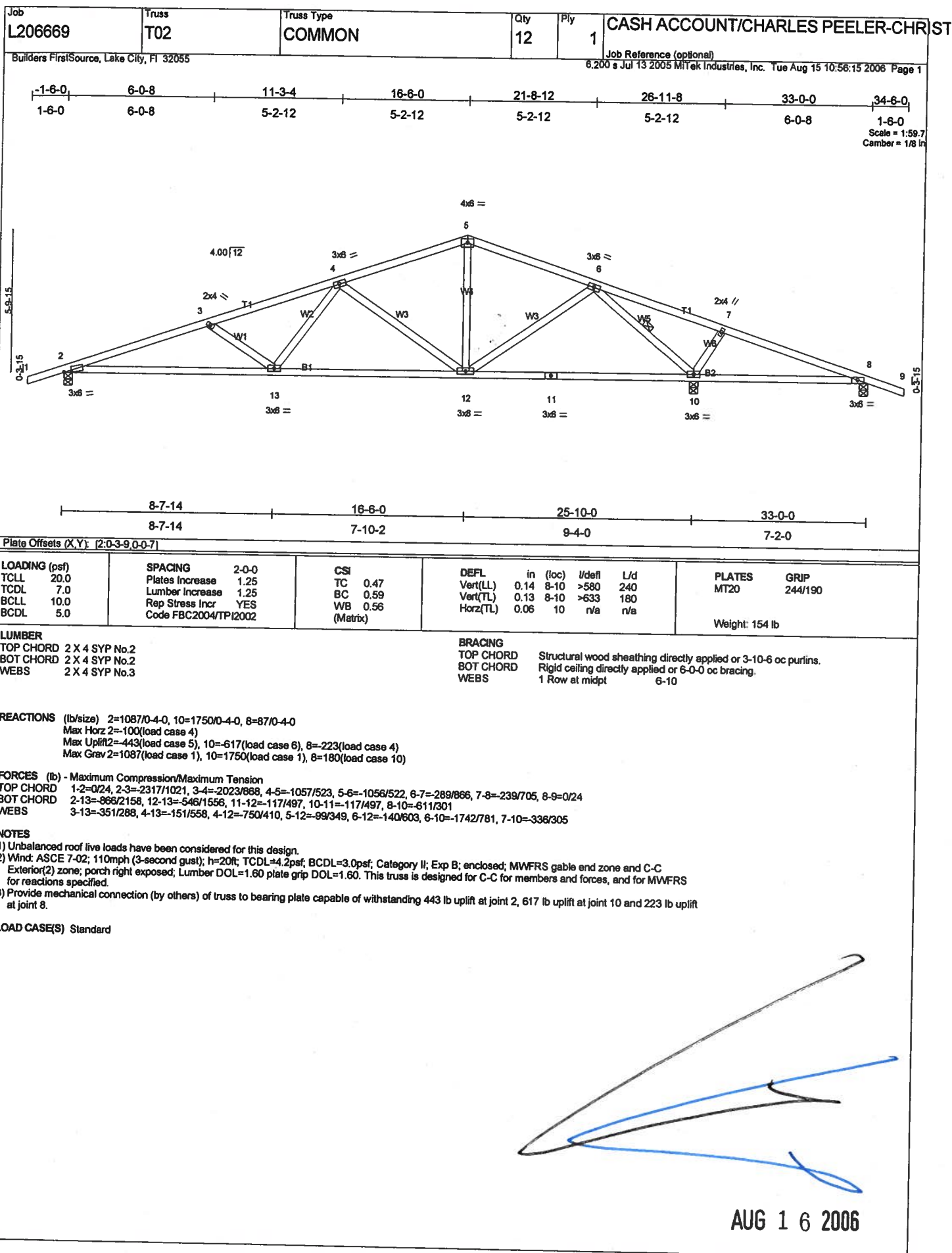
NOTES

- 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 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.
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MITek "Standard Gable End Detail"
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 187 lb uplift at joint 2, 67 lb uplift at joint 23, 101 lb uplift at joint 24, 95 lb uplift at joint 25, 123 lb uplift at joint 26, 66 lb uplift at joint 27, 294 lb uplift at joint 28, 99 lb uplift at joint 22, 96 lb uplift at joint 21, 123 lb uplift at joint 20, 66 lb uplift at joint 19, 299 lb uplift at joint 18 and 197 lb uplift at joint 16.
- 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

- Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-9=87(F=33), 9-17=87(F=33), 2-16=30

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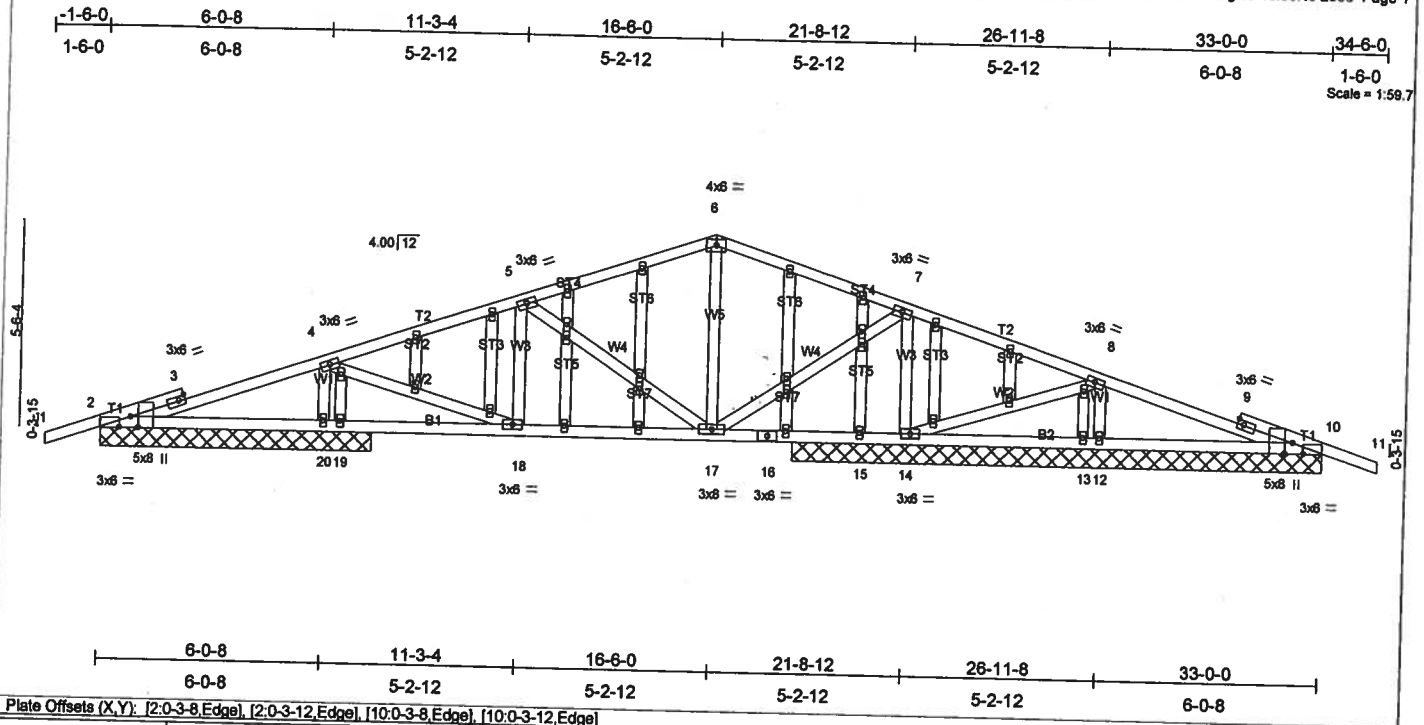
The seal on this drawing indicates acceptance of professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for any particular building design is the responsibility of the building designer.

Job **L206669** Truss **T03G** Truss Type **COMMON** City **1** Ply **1** **CASH ACCOUNT/CHARLES PEELER-CHRIST**

Builders FirstSource, Lake City, FL 32055

Job Reference (optional)

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LOADING (psf)		SPACING		CSI		DEFL		PLATES	
TCLL	20.0	Plates Increase	2-0-0	TC	0.59	in (loc)	l/defl	MT20	GRIP
TCDL	7.0	Lumber Increase	1.25	BC	0.30	Vert(LL)	-0.04 17-18 >999	244/190	
BCLL	10.0	Rep Stress Incr	NO	WB	0.43	Vert(TL)	-0.07 17-18 >999		
BCDL	5.0	Code FBC2004/TP12002		(Matrix)		Horz(TL)	-0.01 10 n/a		

Weight: 203 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
 OTHERS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-9-9 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
 10-0-0 oc bracing: 17-18.

REACTIONS

(lb/size) 2=436/7-4-0, 10=441/14-4-0, 20=1784/7-4-0, 14=1472/14-4-0, 12=1064/14-4-0, 19=637/4-0, 15=82/14-4-0, 13=122/14-4-0

Max Horz 2=95(load case 3)

Max Uplift 2=214(load case 5), 10=230(load case 4), 20=657(load case 5), 14=519(load case 6), 12=413(load case 4), 19=67(load case 9), 15=4(load case 5), 13=124(load case 10)

Max Grav 2=437(load case 9), 10=445(load case 10), 20=1784(load case 1), 14=1472(load case 1), 12=1093(load case 10), 19=23(load case 6), 15=82(load case 1), 13=59(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=8/51, 2-3=-207/398, 3-4=-219/527, 4-5=-1014/475, 5-6=-694/381, 6-7=-695/382, 7-8=-79/378, 8-9=-179/511, 9-10=-164/383, 10-11=-8/51

BOT CHORD 2-20=-394/239, 19-20=-394/239, 18-19=-394/239, 17-18=-272/867, 16-17=-274/231, 15-16=-274/231, 14-15=-274/231, 13-14=-380/232, 12-13=-380/232, 10-12=-380/232

WEBS 4-20=-1511/752, 4-18=-529/1328, 5-18=-273/203, 5-17=-385/210, 6-17=-226/131, 7-17=-384/1014, 7-14=-1422/701, 8-14=-17/156, 8-12=-760/415

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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MitTek "Standard Gable End Detail"
- 4) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable studs spaced at 2-0-0 oc.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 214 lb uplift at joint 2, 230 lb uplift at joint 10, 657 lb uplift at joint 20, 519 lb uplift at joint 14, 413 lb uplift at joint 12, 67 lb uplift at joint 19, 4 lb uplift at joint 15 and 124 lb uplift at joint 13.
- 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)

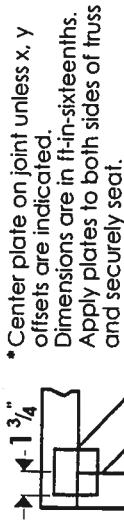
Vert: 1-6=-114(F=-60), 6-11=-114(F=-60), 2-10=-30

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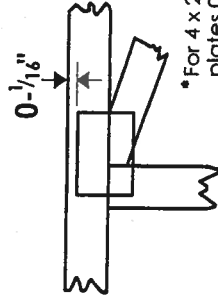
The seal on this drawing indicates acceptance of professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for any particular building design is the responsibility of the building designer.

Symbols

PLATE LOCATION AND ORIENTATION



- * Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and securely seat.



- * For 4 x 2 orientation, locate plates $0 \frac{1}{8}$ " from outside edge of truss.

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

* Plate location details available in MiTek 20/20 software or upon request.

PLATE SIZE

4 x 4

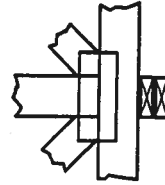
The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING



Indicated by symbol shown and/or by text in the bracing section of the output. Use T, I or Eliminator bracing if indicated.

BEARING

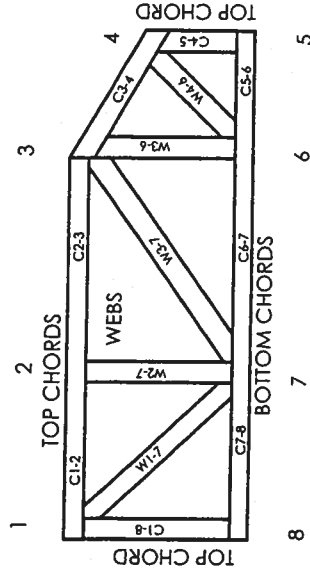


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCS11: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



Job L206669	Truss T01G	Truss Type COMMON	Qty 1	Ply 1	CASH ACCOUNT/CHARLES PEELER-CHRIST
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Builders FirstSource, Lake City, FL 32055

Job Reference (optional)

6.200 s Jul 13 2005 MiTek Industries, Inc. Tue Aug 15 10:56:13 2006 Page 1

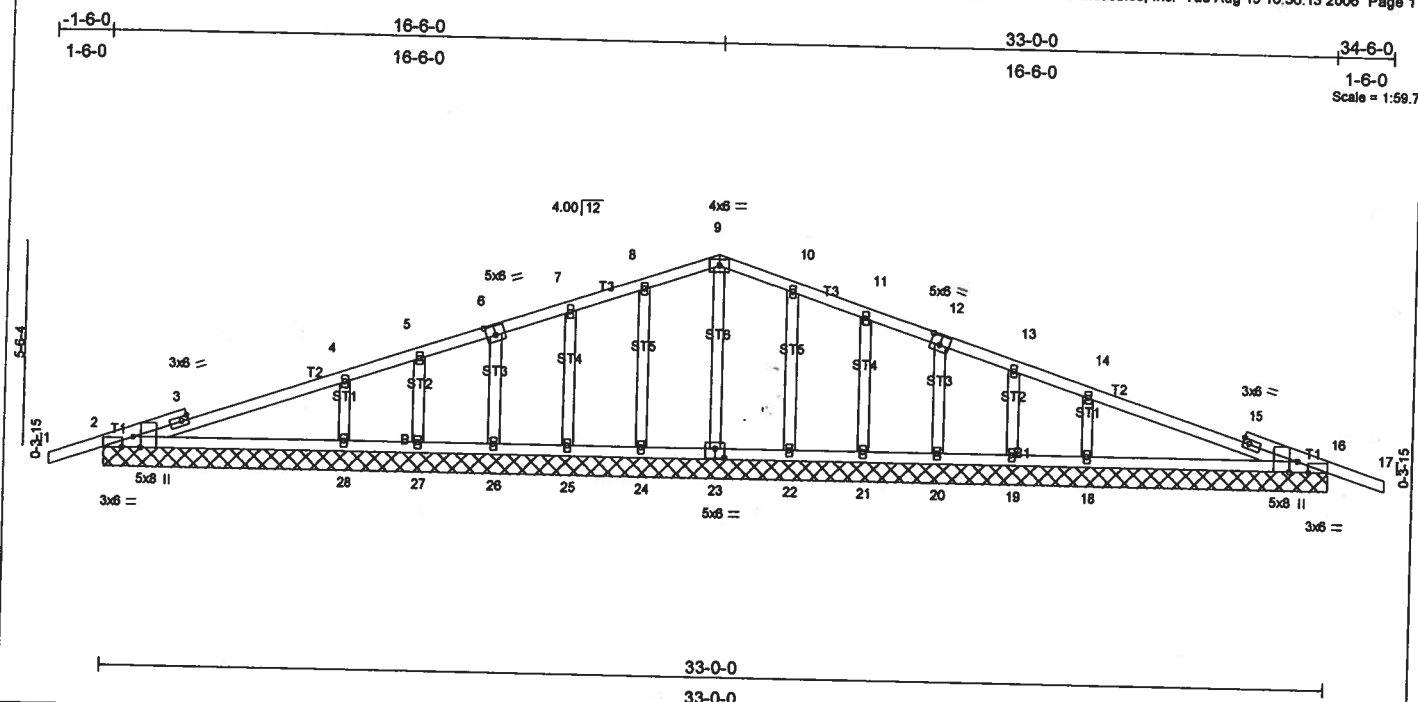


Plate Offsets (X,Y): [2:0-3-8,Edge], [2:0-3-12,Edge], [6:0-3-0,0-3-0], [12:0-3-0,0-3-0], [16:0-3-12,Edge], [16:0-3-8,Edge], [23:0-3-0,0-3-0]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.61	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.29	Vert(LL) 0.05 17 n/r 120		
BCLL 10.0	Lumber Increase 1.25	WB 0.17	Vert(TL) 0.08 17 n/r 90		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) -0.01 16 n/a n/a		
	Code FBC2004/TP12002				

Weight: 162 lb

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

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

REACTIONS (lb/size) 2=385/33-0-0, 23=399/33-0-0, 24=247/33-0-0, 25=217/33-0-0, 26=306/33-0-0, 27=63/33-0-0, 28=769/33-0-0, 22=247/33-0-0, 21=217/33-0-0, 20=306/33-0-0, 19=63/33-0-0, 18=769/33-0-0, 16=385/33-0-0
 Max Horz 2=95(load case 3)
 Max Uplift 2=187(load case 5), 23=67(load case 5), 24=-101(load case 3), 25=-95(load case 5), 26=-123(load case 5), 27=-66(load case 9), 28=-294(load case 5), 22=-99(load case 4), 21=-96(load case 6), 20=-123(load case 4), 19=-66(load case 10), 18=-299(load case 4), 16=-197(load case 4)
 Max Grav 2=399(load case 9), 23=399(load case 1), 24=249(load case 9), 25=217(load case 1), 26=307(load case 9), 27=14(load case 6), 28=775(load case 9), 22=249(load case 10), 21=217(load case 1), 20=307(load case 10), 19=111(load case 5), 18=775(load case 10), 16=399(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-3/39, 2-3=-188/265, 3-4=-188/374, 4-5=-96/260, 5-6=-95/320, 6-7=-57/310, 7-8=-25/313, 8-9=0/310, 9-10=0/310, 10-11=-10/313, 11-12=-31/310, 12-13=-62/320, 13-14=-62/260, 14-15=-166/374, 15-16=-165/265, 16-17=-3/39
BOT CHORD 2-28=-267/235, 27-28=-267/235, 26-27=-267/235, 25-26=-270/238, 24-25=-270/238, 23-24=-270/238, 22-23=-270/238, 21-22=-270/238, 20-21=-270/238, 19-20=-267/235, 18-19=-267/235, 16-18=-267/235
WEBS 9-23=-340/83, 8-24=-187/124, 7-25=-165/123, 6-26=-219/150, 5-27=0/22, 4-28=-539/342, 10-22=-187/124, 11-21=-165/123, 12-20=-219/150, 13-19=0/22, 14-18=-539/342

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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
- 4) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 2-0-0 oc.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 187 lb uplift at joint 2, 67 lb uplift at joint 23, 101 lb uplift at joint 24, 95 lb uplift at joint 25, 123 lb uplift at joint 26, 66 lb uplift at joint 27, 294 lb uplift at joint 28, 99 lb uplift at joint 22, 96 lb uplift at joint 21, 123 lb uplift at joint 20, 66 lb uplift at joint 19, 299 lb uplift at joint 18 and 197 lb uplift at joint 16.
- 8) 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. 1-9=-87(F=-33), 9-17=-87(F=-33), 2-16=-30

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Job L206669	Truss T02	Truss Type COMMON	Qty 12	Ply 1	CASH ACCOUNT/CHARLES PEELER-CHRIST
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Builders FirstSource, Lake City, FL 32055

Job Reference (optional)

6.200 s Jul 13 2005 Mittek Industries, Inc. Tue Aug 15 10:58:15 2006 Page 1

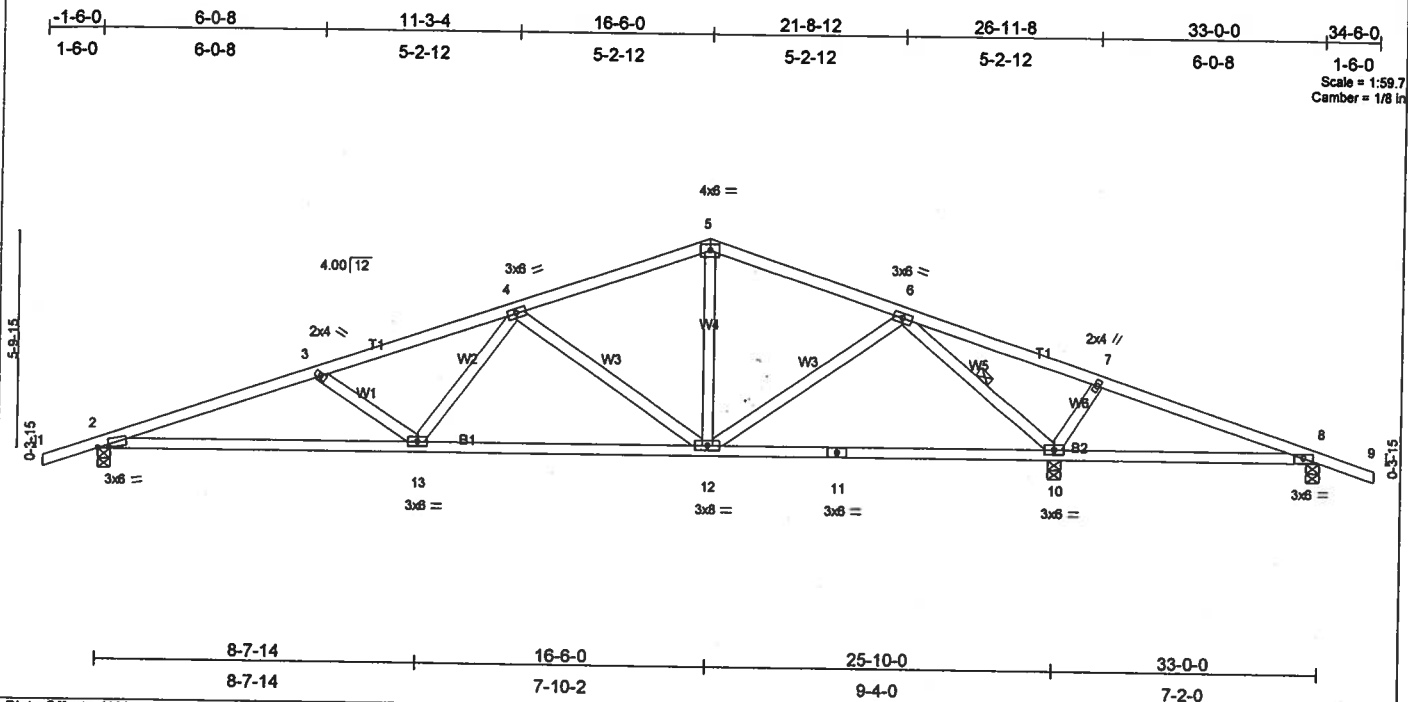


Plate Offsets (X,Y): [2-0-3-9-0-0-7]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCCL 20.0	Plates Increase 2-0-0	TC 0.47	in (loc) l/defl L/d	MT20	244/190
TCCL 7.0	Lumber Increase 1.25	BC 0.59	Vert(LL) 0.14 8-10 >580 240		
BCCL 10.0	Rep Stress Incr YES	WB 0.56	Vert(TL) 0.13 8-10 >633 180		
BCCL 5.0	Code FBC2004/TP12002	(Matrix)	Horz(TL) 0.06 10 n/a n/a		
				Weight: 154 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 3-10-6 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 6-10

REACTIONS

(lb/size) 2=1087/0-4-0, 10=1750/0-4-0, 8=87/0-4-0
 Max Horz 2=100(load case 4)
 Max Uplift 2=443(load case 5), 10=617(load case 6), 8=223(load case 4)
 Max Grav 2=1087(load case 1), 10=1750(load case 1), 8=180(load case 10)

FORCES

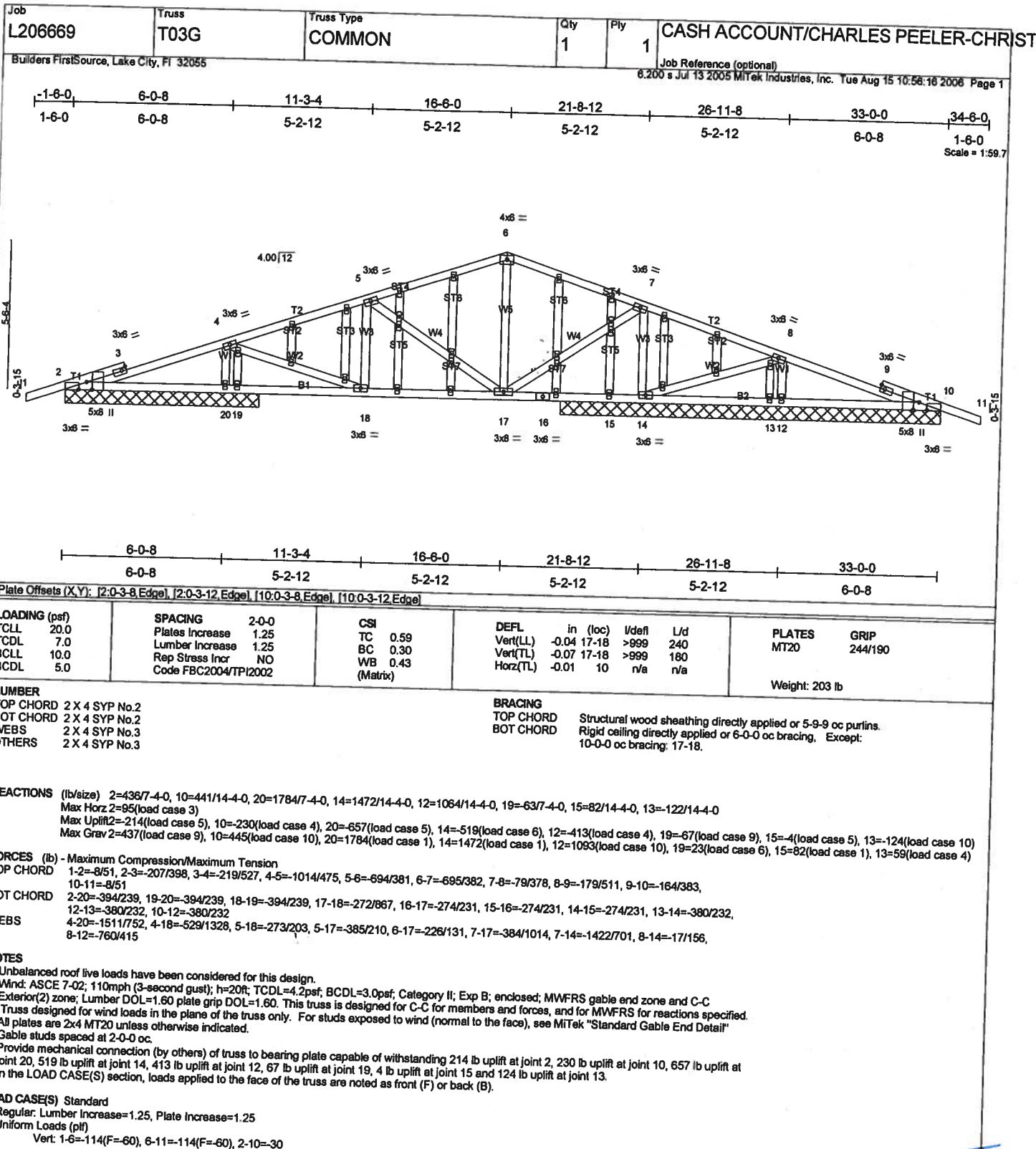
(lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/24, 2-3=-2317/1021, 3-4=-2023/868, 4-5=-1057/523, 5-6=-1056/522, 6-7=-289/866, 7-8=-239/705, 8-9=0/24
 BOT CHORD 2-13=-866/2158, 12-13=-546/1556, 11-12=-117/497, 10-11=-117/497, 8-10=-611/301
 WEBS 3-13=-351/288, 4-13=-151/558, 4-12=-750/410, 5-12=-99/349, 6-12=-140/603, 6-10=-1742/781, 7-10=-336/305

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 and C-C Exterior(2) zone; porch right exposed; 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 443 lb uplift at joint 2, 617 lb uplift at joint 10 and 223 lb uplift at joint 8.

LOAD CASE(S) Standard

AUG 16 2006



AUG 16 2006

Job L206669	Truss T04G	Truss Type COMMON	Qty 1	Ply 1	CASH ACCOUNT/CHARLES PEELER-CHRIST
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Builders FirstSource, Lake City, FL 32055

Job Reference (optional)

6.200 s Jul 13 2005 MiTek Industries, Inc. Tue Aug 15 10:56:17 2006 Page 1

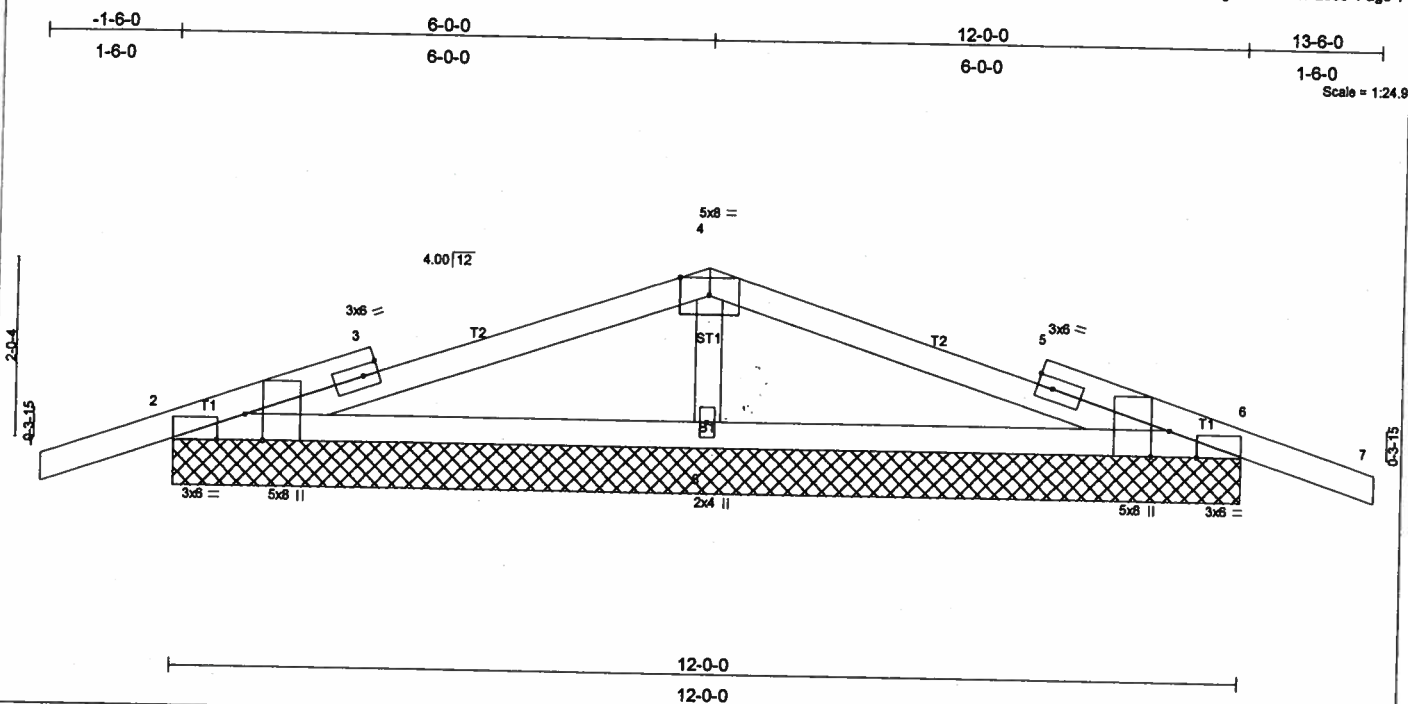


Plate Offsets (X,Y): [2'-0"-3'-8" Edge], [2'-0"-3'-12" Edge], [6'-0"-3'-8" Edge], [6'-0"-3'-12" Edge]

LOADING (psf)	SPACING	2'-0"-0"	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.53	Vert(LL)	0.03	7	n/r	120	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.28	Vert(TL)	0.05	7	n/r	90		
BCLL 10.0	Rep Stress Incr	NO	WB 0.13	Horz(TL)	-0.01	6	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							

LUMBER

TOP CHORD 2 X 4 SYP No.2

BOT CHORD 2 X 4 SYP No.2

OTHERS 2 X 4 SYP No.3

BRACING

TOP CHORD

BOT CHORD

Structural wood sheathing directly applied or 10'-0"-0" oc purlins.
Rigid ceiling directly applied or 6'-0"-0" oc bracing.

Weight: 48 lb

REACTIONS (lb/size) 2=317/12'-0"-0", 6=317/12'-0"-0", 8=1031/12'-0"-0"

Max Horz 2=44(load case 3)

Max Uplift 2=184(load case 3), 6=189(load case 4), 8=332(load case 5)

Max Grav 2=350(load case 9), 6=350(load case 10), 8=1031(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=4/39, 2-3=223/400, 3-4=228/498, 4-5=228/498, 5-6=223/400, 6-7=4/39

BOT CHORD 2-8=391/290, 6-8=391/290

WEBS 4-8=806/515

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.
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2'-0" oc.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 184 lb uplift at joint 2, 189 lb uplift at joint 6 and 332 lb uplift at joint 8.
- 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)

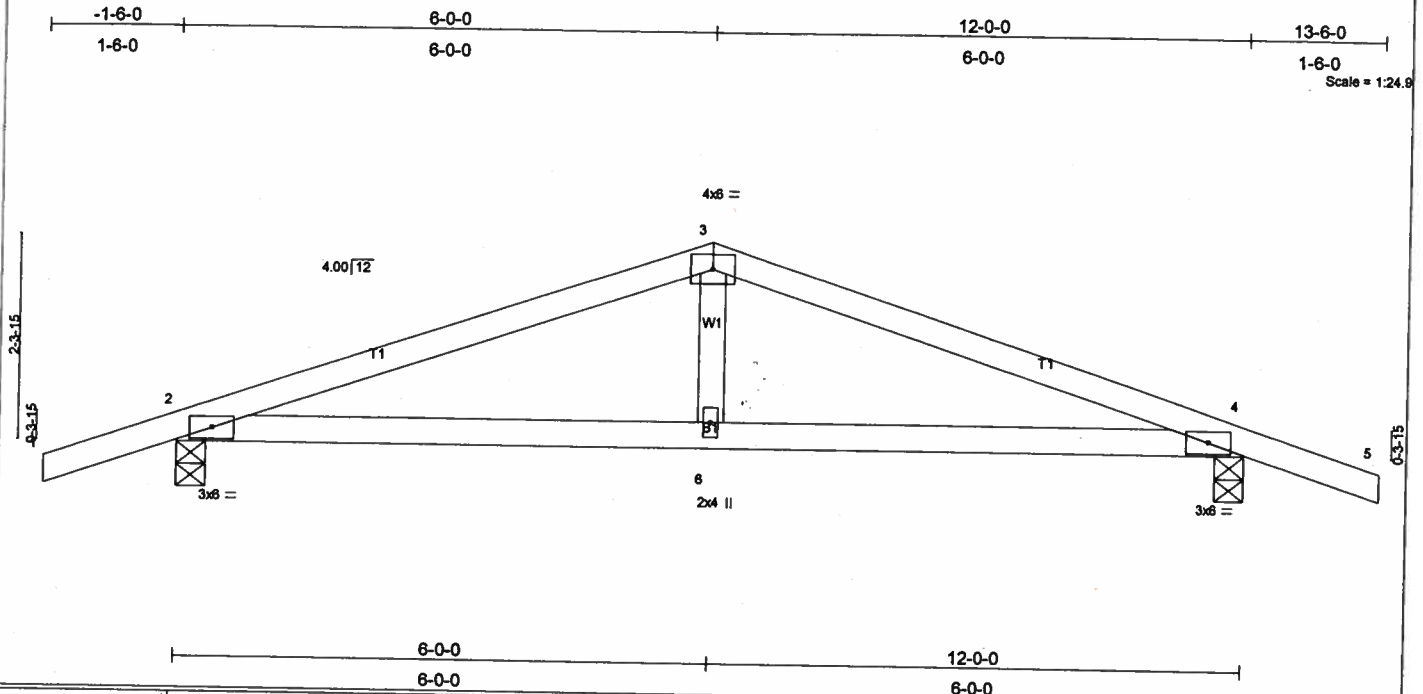
Vert: 1-4=-87(F=-33), 4-7=-87(F=-33), 2-6=-30

AUG 16 2006

The seal on this drawing indicates acceptance of professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for any particular building design is the responsibility of the building designer.

Job L206669	Truss T05	Truss Type COMMON	Qty 3	Ply 1	CASH ACCOUNT/CHARLES PEELER-CHRIST
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Builders FirstSource, Lake City, FL 32055

Job Reference (optional)
6.200 s Jul 13 2005 M/Tek Industries, Inc. Tue Aug 15 10:56:18 2006 Page 1

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.23	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.30	Vert(LL) -0.05 4-6 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.07	Vert(TL) -0.08 4-6 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.02 4 n/a n/a		
	Code FBC2004/TP12002				
				Weight: 44 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) 2=580/0-4-0, 4=580/0-4-0
 Max Horz 2=48(load case 3)
 Max Uplift 2=261(load case 5), 4=261(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/24, 2-3=-901/399, 3-4=-901/399, 4-5=0/24
 BOT CHORD 2-6=-275/808, 4-6=-275/808
 WEBS 3-6=0/211

NOTES

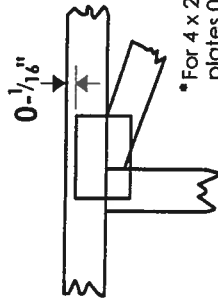
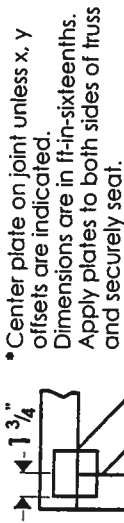
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 261 lb uplift at joint 2 and 261 lb uplift at joint 4.

LOAD CASE(S) Standard

AUG 16 2006

Symbols

PLATE LOCATION AND ORIENTATION



* Plate location details available in Mitek 20/20 software or upon request.

PLATE SIZE

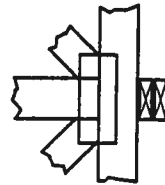
4 X 4

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

LATERAL BRACING



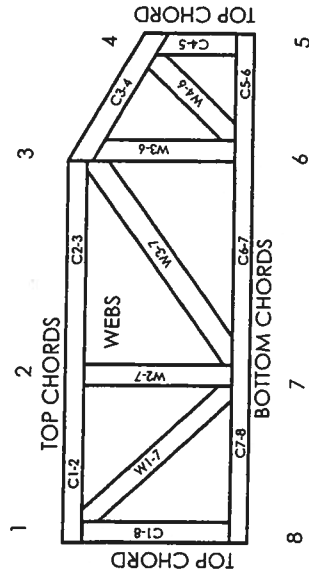
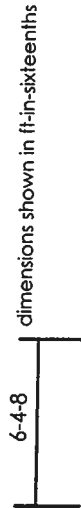
BEARING



Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCS11: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

CONNECTOR PLATE CODE APPROVALS

BOCA	96-31, 95-43, 96-20-1, 96-67, 84-32
ICBO	4922, 5243, 5363, 3907
SBCCI	9667, 9730, 9604B, 9511, 9432A



Mitek Engineering Reference Sheet: MII-7473

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

- Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCS11.
- Never exceed the design loading shown and never stack materials on inadequately braced trusses.
- Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
- Cut members to bear lightly against each other.
- Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI1.
- Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI1.
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
- Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
- Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
- Plate type, size, orientation and location dimensions shown indicate minimum plating requirements.
- Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
- Top chords must be sheathed or purlins provided at spacing shown on design.
- Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
- Connections not shown are the responsibility of others.
- Do not cut or alter truss member or plate without prior approval of a professional engineer.
- Install and load vertically unless indicated otherwise.

Energy Code Compliance

Duct System Performance Report

Project Name: Charles Peeler - Christie Address: 3561 NW LASSIE BLACK ST City, State: , FL 32096- Owner: Christie Residence Climate Zone: North	Builder: Charles Peeler Permitting Office: Permit Number: Jurisdiction Number:
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Total Duct System Leakage Test Results

CFM25 Total Duct Leakage Test Values			
Line	System	Duct Leakage Total	Duct Leakage to Outdoors
1	System1	_____ cfm25(tot)	_____ cfm25(out)
2	System2	_____ cfm25(tot)	_____ cfm25(out)
3	System3	_____ cfm25(tot)	_____ cfm25(out)
4	System4	_____ cfm25(tot)	_____ cfm25(out)
5	Total House Duct System Leakage	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ (Q _{n,tot}) ☐ Receive credit if Q _{n,tot} ≤ 0.03	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ (Q _{n,out}) ☐ Receive credit if Q _{n,out} ≤ 0.03 AND Q _{n,tot} ≤ 0.09

I hereby certify that the above duct testing performance results demonstrate compliance with the Florida Energy Code requirements in accordance with Section 610.1.A.1, Florida Building Code, Building Volume, Chapter 13 for leak free duct system credit.

Signature: _____
Printed Name: _____
Florida Rater Certification #: _____
DATE: _____

Florida Building Code requires that testing to confirm leak free duct systems be performed by a Class 1 Florida Energy Gauge Certified Energy Rater. Certified Florida Class 1 raters can be found at: <http://energygauge.com/search.htm>



BUILDING OFFICIAL: _____
DATE: _____

Residential System Sizing Calculation

Summary

Christie Residence
3561 NW LASSIE BLACK ST
FL 32096-

Project Title:
Charles Peeler - Christie

Code Only
Professional Version
Climate: North

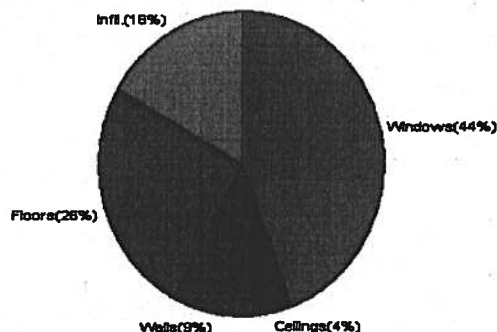
8/2/2006

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	20424 Btuh	Total cooling load calculation	19319 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	117.5 24000	Sensible (SHR = 0.75)	110.5 18000
Heat Pump + Auxiliary(0.0kW)	117.5 24000	Latent	197.8 6000
		Total (Electric Heat Pump)	124.2 24000

WINTER CALCULATIONS

Winter Heating Load (for 772 sqft)

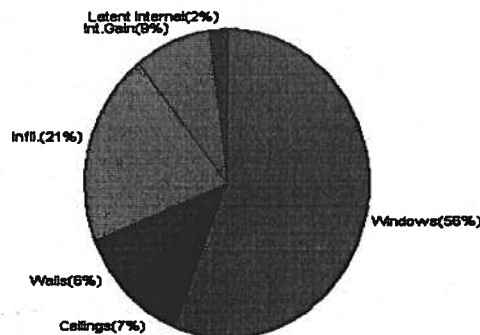
Load component			Load	
Window total	192 sqft		9036	Btuh
Wall total	580 sqft		1904	Btuh
Door total	0 sqft		0	Btuh
Ceiling total	772 sqft		910	Btuh
Floor total	120 sqft		5239	Btuh
Infiltration	82 cfm		3336	Btuh
Duct loss			0	Btuh
Subtotal			20424	Btuh
Ventilation	0 cfm		0	Btuh
TOTAL HEAT LOSS			20424	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 772 sqft)

Load component			Load	
Window total	192 sqft		10797	Btuh
Wall total	580 sqft		1209	Btuh
Door total	0 sqft		0	Btuh
Ceiling total	772 sqft		1278	Btuh
Floor total			0	Btuh
Infiltration	72 cfm		1341	Btuh
Internal gain			1660	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0 cfm		0	Btuh
Total sensible gain			16286	Btuh
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			2633	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			400	Btuh
Total latent gain			3033	Btuh
TOTAL HEAT GAIN			19319	Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: Jon Morris

DATE: 8-2-06

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Christie Residence
3561 NW LASSIE BLACK ST
, FL 32096-

Project Title:
Charles Peeler - Christie

Code Only
Professional Version
Climate: North

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

8/2/2006

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	1, Clear, Metal, 1.27	W	15.0	47.0	705 Btuh
2	1, Clear, Metal, 1.27	W	6.0	47.0	282 Btuh
3	1, Clear, Metal, 1.27	N	18.0	47.0	846 Btuh
4	1, Clear, Metal, 1.27	W	15.0	47.0	705 Btuh
5	1, Clear, Metal, 1.27	N	15.0	47.0	705 Btuh
6	1, Clear, Metal, 1.27	E	15.0	47.0	705 Btuh
7	1, Clear, Metal, 1.27	E	15.0	47.0	705 Btuh
8	1, Clear, Metal, 1.27	E	20.0	47.0	940 Btuh
9	1, Clear, Metal, 1.27	E	40.0	47.0	1880 Btuh
10	1, Clear, Metal, 1.27	S	33.3	47.0	1565 Btuh
Window Total			192(sqft)		9036 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	580	3.3	1904 Btuh
Wall Total			580		1904 Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	772	1.2	910 Btuh
Ceiling Total			772		910 Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	120.0 ft(p)	43.7	5239 Btuh
Floor Total			120		5239 Btuh
Zone Envelope Subtotal:					17089 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	Load
	Natural	0.80	6176	82.3	3336 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)				0 Btuh
Zone #1	Sensible Zone Subtotal				20424 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	20424 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	20424 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Christie Residence
3561 NW LASSIE BLACK ST
, FL 32096-

Project Title:
Charles Peeler - Christie

Code Only
Professional Version
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

Christie Residence
3561 NW LASSIE BLACK ST
, FL 32096-

Project Title:
Charles Peeler - Christie

Code Only
Professional Version
Climate: North

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

8/2/2006

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	1, Clear, Metal, 1.27	W	15.0		47.0	705 Btuh
2	1, Clear, Metal, 1.27	W	6.0		47.0	282 Btuh
3	1, Clear, Metal, 1.27	N	18.0		47.0	846 Btuh
4	1, Clear, Metal, 1.27	W	15.0		47.0	705 Btuh
5	1, Clear, Metal, 1.27	N	15.0		47.0	705 Btuh
6	1, Clear, Metal, 1.27	E	15.0		47.0	705 Btuh
7	1, Clear, Metal, 1.27	E	15.0		47.0	705 Btuh
8	1, Clear, Metal, 1.27	E	20.0		47.0	940 Btuh
9	1, Clear, Metal, 1.27	E	40.0		47.0	1880 Btuh
10	1, Clear, Metal, 1.27	S	33.3		47.0	1565 Btuh
Window Total			192(sqft)			9036 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	580		3.3	1904 Btuh
Wall Total			580			1904 Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	772		1.2	910 Btuh
Ceiling Total			772			910 Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	120.0	ft(p)	43.7	5239 Btuh
Floor Total			120			5239 Btuh
Zone Envelope Subtotal:						17089 Btuh
Infiltration	Type	ACH	X	Zone Volume	CFM=	Load
	Natural	0.80		6176	82.3	3336 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					20424 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	20424 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	20424 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Christie Residence
3561 NW LASSIE BLACK ST
, FL 32096-

Project Title:
Charles Peeler - Christie

Code Only
Professional Version
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

Christie Residence
3561 NW LASSIE BLACK ST
, FL 32096-

Project Title:
Charles Peeler - Christie

Code Only
Professional Version
Climate: North

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

8/2/2006

Component Loads for Whole House

Window	Type*	Omt	Overhang		Window Area(sqft)			HTM		Load
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	1, Clear, 1.27, None,N,N	W	1.5ft	8ft.	15.0	0.0	15.0	37	94	1411 Btuh
2	1, Clear, 1.27, None,N,N	W	1.5ft	8ft.	6.0	0.0	6.0	37	94	564 Btuh
3	1, Clear, 1.27, None,N,N	N	1.5ft	8ft.	18.0	0.0	18.0	37	37	674 Btuh
4	1, Clear, 1.27, None,N,N	W	1.5ft	8ft.	15.0	0.0	15.0	37	94	1411 Btuh
5	1, Clear, 1.27, None,N,N	N	1.5ft	8ft.	15.0	0.0	15.0	37	37	562 Btuh
6	1, Clear, 1.27, None,N,N	E	1.5ft	8ft.	15.0	0.0	15.0	37	94	1411 Btuh
7	1, Clear, 1.27, None,N,N	E	8.5ft	8ft.	15.0	12.2	2.8	37	94	722 Btuh
8	1, Clear, 1.27, None,N,N	E	8.5ft	8ft.	20.0	16.2	3.8	37	94	963 Btuh
9	1, Clear, 1.27, None,N,N	E	8.5ft	8ft.	40.0	34.3	5.7	37	94	1819 Btuh
10	1, Clear, 1.27, None,N,N	S	8.5ft	8ft.	33.3	33.3	0.0	37	43	1247 Btuh
	Excursion									14 Btuh
	Window Total				192 (sqft)					10797 Btuh
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load
1	Frame - Wood - Ext		13.0/0.09		579.7			2.1		1209 Btuh
	Wall Total				580 (sqft)					1209 Btuh
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load
1	Vented Attic/DarkShingle		30.0		772.0			1.7		1278 Btuh
	Ceiling Total				772 (sqft)					1278 Btuh
Floors	Type		R-Value		Size			HTM		Load
1	Slab On Grade		0.0		120 (ft(p))			0.0		0 Btuh
	Floor Total				120.0 (sqft)					0 Btuh
			Zone Envelope Subtotal:							13285 Btuh
Infiltration	Type		ACH		Volume(cuft)			CFM=		Load
	SensibleNatural		0.70		6176			72.1		1341 Btuh
Internal gain			Occupants		Btuh/occupant			Appliance		Load
			2		X 230 +			1200		1660 Btuh
Duct load	Proposed leak free, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh
			Sensible Zone Load							16286 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Christie Residence
3561 NW LASSIE BLACK ST
, FL 32096-

Project Title:
Charles Peeler - Christie

Code Only
Professional Version
Climate: North

8/2/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	16286 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	16286 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	16286 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	2633 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	3033 Btuh
	TOTAL GAIN	19319 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))
(Omt - compass orientation)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Christie Residence
3561 NW LASSIE BLACK ST
, FL 32096-

Project Title:
Charles Peeler - Christie

Code Only
Professional Version
Climate: North

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

8/2/2006

Component Loads for Zone #1: Main

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	1, Clear, 1.27, None,N,N	W	1.5ft	8ft.	15.0	0.0	15.0	37	94	1411 Btuh
2	1, Clear, 1.27, None,N,N	W	1.5ft	8ft.	6.0	0.0	6.0	37	94	564 Btuh
3	1, Clear, 1.27, None,N,N	N	1.5ft	8ft.	18.0	0.0	18.0	37	37	674 Btuh
4	1, Clear, 1.27, None,N,N	W	1.5ft	8ft.	15.0	0.0	15.0	37	94	1411 Btuh
5	1, Clear, 1.27, None,N,N	N	1.5ft	8ft.	15.0	0.0	15.0	37	37	562 Btuh
6	1, Clear, 1.27, None,N,N	E	1.5ft	8ft.	15.0	0.0	15.0	37	94	1411 Btuh
7	1, Clear, 1.27, None,N,N	E	8.5ft	8ft.	15.0	12.2	2.8	37	94	722 Btuh
8	1, Clear, 1.27, None,N,N	E	8.5ft	8ft.	20.0	16.2	3.8	37	94	963 Btuh
9	1, Clear, 1.27, None,N,N	E	8.5ft	8ft.	40.0	34.3	5.7	37	94	1819 Btuh
10	1, Clear, 1.27, None,N,N	S	8.5ft	8ft.	33.3	33.3	0.0	37	43	1247 Btuh
	Excursion									14 Btuh
	Window Total				192 (sqft)					10797 Btuh
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load
1	Frame - Wood - Ext		13.0/0.09		579.7			2.1		1209 Btuh
	Wall Total				580 (sqft)					1209 Btuh
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load
1	Vented Attic/DarkShingle		30.0		772.0			1.7		1278 Btuh
	Ceiling Total				772 (sqft)					1278 Btuh
Floors	Type		R-Value		Size			HTM		Load
1	Slab On Grade		0.0		120 (ft(p))			0.0		0 Btuh
	Floor Total				120.0 (sqft)					0 Btuh
			Zone Envelope Subtotal:							13285 Btuh
Infiltration	Type		ACH		Volume(cuft)			CFM=		Load
	SensibleNatural		0.70		6176			72.1		1341 Btuh
Internal gain			Occupants		Btuh/occupant			Appliance		Load
			2		X 230 +			1200		1660 Btuh
Duct load	Proposed leak free, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh
			Sensible Zone Load							16286 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

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8/2/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	16286 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	16286 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	16286 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	2633 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	3033 Btuh
	TOTAL GAIN	19319 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)



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Residential Window Diversity

MidSummer

Christie Residence
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, FL 32096-

Project Title:
Charles Peeler - Christie

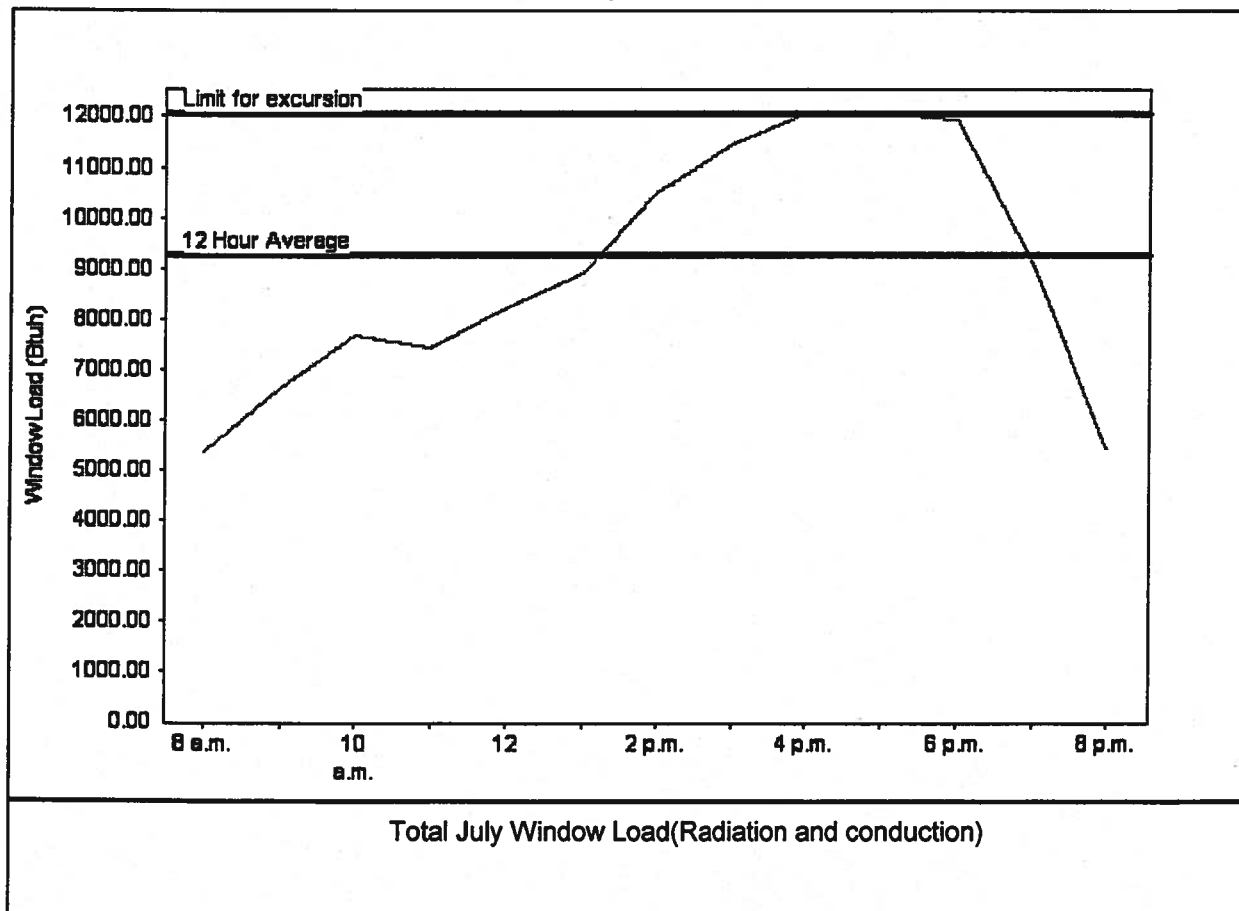
Code Only
Professional Version
Climate: North

8/2/2006

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	9280 Btuh
Summer setpoint	75 F	Peak window load for July	12077 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	12063 Btu
Latitude	29 North	Window excursion (July)	14 Btuh

WINDOW Average and Peak Loads



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

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: _____

EnergyGauge® FLRCPB v4.1



BEARING HEIGHT SCHEDULE

8'-0"

4/12 PITCH

OVERHANG 1'-6"

NOTES:

- 1) REFER TO HD 91 (RECOMMENDATIONS FOR HANGING 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 V05 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) 5X42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.
- 7) ALL ROOF TRUSS HANGERS TO BE SIMPSON HT026 UNLESS OTHERWISE NOTED. ALL FLOOR TRUSS HANGERS TO BE SIMPSON TH4422 UNLESS OTHERWISE NOTED.
- 8) BEAM/ADEQUATELY (HDX) TO BE FURNISHED BY BUILDER.

SHOP DRAWING APPROVAL

THIS LAYOUT IS THE SOLE SOURCE FOR FABRICATION OF TRUSSES AND V005. 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 DAMAGES THAT WILL RESULT IN EXTRA CHARGES TO YOU.

Revised Delivery Date: _____

Approved By: _____ Date: _____



Jacksonville
Dunnell
PHONE: 904-437-5349 FAX: 904-437-5904
PHONE: 904-772-6100 FAX: 904-772-1973
Lake City
PHONE: 386-755-6894 FAX: 386-755-7973
Sanford
PHONE: 407-322-0059 FAX: 407-322-5553

CASH ACCOUNT

CHARLES PEELER-CHRISTIE RES.

CUSTOM

DATE: AUG15/06
DRAWN BY: PETE
JOB # L206669

26'0"0

8'0"0

T01G

(12) T02

T03G

(3) T05

T04G

ODDS SPACE

1'10"8

26'0"0

8'0"0

7'0"0

26'0"0

7'0"0

7'0"0

12'0"0

7'0"0

FACE

1'-6"

TRUSS END DETAIL

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

4.0 12

12 B-PITCH

