DATE 06/26/2007

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000025962

APPLICANT LINDA RODER PHONE 752-2281

ADDRESS 387 SW KEMP CT LAKE CITY FL 32024

OWNER ADAM PAPKA PHONE 623-2383

ADDRESS 381 SW MORNING GLORY DR LAKE CITY FL 32024

CONTRACTOR ADAM PAPKA PHONE 623-2383

LOCATION OF PROPERTY 247S, TL ON CALLAHAN, TL ON HOPE HENRY, TR ON MORNING GLORY DR, 1ST LOT ON LEFT PAST BUTTERCUP

TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 97700.00

HEATED FLOOR AREA 1954.00 TOTAL AREA 2727.00 HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 8/12 FLOOR SLAB

LAND USE & ZONING RSF-2 MAX. HEIGHT 20

Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00

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

PARCEL ID 15-4S-16-03023-513 SUBDIVISION ROLLING MEADOWS

LOT 13 BLOCK PHASE UNIT TOTAL ACRES 0.50

000001406		CBC1252409		
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
CULVERT	07-374	BK	JH	Y
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: PLAT REQUIRES MFE OF 107.0, ELEVATION LETTER REQUIRED

NOC ON FILE

Check # or Cash 1373

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 $ 490.00 CERTIFICATION FEE $ 13.63 SURCHARGE FEE $ 13.63

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

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ 25.00 **TOTAL FEE** 617.26

INSPECTORS OFFICE _____ CLERKS OFFICE CH

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

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

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.

Called Linda on 5-10-07 LH

Columbia County Building Permit Application

For Office Use Only Application # 0705-03 Date Received 5/3/07 By LT Permit # 14061 25962

Application Approved by - Zoning Official BLK Date 09-05-07 Plans Examiner OKTH Date 5-7-07

Flood Zone X Development Permit N/A Zoning RSF-2 Land Use Plan Map Category Res. Low Dens.

Comments Plat Requires MFE of 107.0' Elevation Letter Required

need need

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

Fax 752-2282

Name Authorized Person Signing Permit Linda or Melanie Roder Phone 752-2281

Address 387 SW Kemp Ct Lake City FL 32024

Owners Name Adam's Framing & Construction LLC Phone 623-2383

911 Address 381 SW Morning Glory Dr Lake City FL 32024

Contractors Name Adam Papka Phone 623-2383

Address P.O.B. 1921 Lake City FL 32056

Fee Simple Owner Name & Address NA

Bonding Co. Name & Address NA

Architect/Engineer Name & Address William Myers Design / Mark Disosway

Mortgage Lenders Name & Address 1st Fed

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

Property ID Number 15-4S-16-03023-513 Estimated Cost of Construction 160K

Subdivision Name Rolling Meadows Lot 13 Block ___ Unit ___ Phase ___

Driving Directions Brantor & Hwy. 1 on Callahan, Left on Hope Henry, Right on SW Morning Glory Dr. 14th Lot down on L, 1st lot on left past Buttercup

Type of Construction SFD Number of Existing Dwellings on Property 0

Total Acreage .510 Lot Size .510 Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 50' Side 34'-5" Side 34' Rear 62'

Total Building Height 20'-9" Number of Stories 1 Heated Floor Area 1954 TOTAL 2777 Roof Pitch 8-12

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

OWNER'S 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 Authorized Person by Notarized Letter

Contractor Signature

Contractors License Number CBC 1253409

Competency Card Number

NOTARY STAMP/SEAL

STATE OF FLORIDA
COUNTY OF COLUMBIA

Linda R. Roder
Commission #DD303275
Expires: Mar 24, 2008
Bonded Thru
Atlantic Bonding Co., Inc.

Sworn to (or affirmed) and subscribed before me this ___ day of ___ 20___.

Personally known ___ or Produced Identification ___

Notary Signature (Revised 9/23/2002)

FROM : COLUMBIA CO BUILDING + ZONING FAX NO. :386-758-2160 Mar. 12 2007 01:00PM P1

05/11/2007 10:15 3867522282 LINDA ROUDER PAGE 02

Letter of authorization

Notice of Authorization

I Adam Papka, do hereby authorize Linda or Melanie Roder

to be my representative and act on my behaf in all aspects of applying for a septic + building

_____ permit to be located in Columbia county.

The name of the home owner is Adams Framing + Construction

Legal description 15-4S-16-03023-513.

Contractor's signature

April 12, 2007

Date

Linda R. Roder
Commission #DD303275
Expires: Mar 24, 2008
Bonded Thru
Atlantic Bonding Co., Inc.

Sworn and subscribed before me this 12 day of April, 2007

Linda R Roder

Notary Public

My commission expires:_____

Commission No. _____

Personally Known_____

Produced ID (Type):_____

This instrument prepared by:
William J. Haley, Esquire
Brannon, Brown,
Haley & Bullock, P A.
P. O. Box 1029
Lake City, FL 32056-1029

Inst:2005026828 Date:10/27/2005 Time:11:18
Doc Stamp-Deed : 882.00
DC,P.DeWitt Cason,Columbia County B:1063 P:670

SPECIAL WARRANTY DEED

THIS INDENTURE, made this 26th day of October, 2005, between **RML HOLDINGS, INC., a Florida corporation,** having a mailing address of 703 NW Blackberry Circle, Lake City, Florida 32055, hereinafter referred to as Grantor, and **ADAM'S FRAMING AND CONSTRUCTION, LLC,** a Florida limited liability company, having a mailing address of P.O. Box 1921, Lake City, Florida 32056, hereinafter referred to as Grantee.

WITNESSETH: That said Grantor, for and in consideration of the sum of $10.00 and other good and valuable considerations to said Grantor in hand paid by said Grantee, the receipt and sufficiency of which are hereby acknowledged, have granted, bargained and sold to the said Grantee, and Grantee's successors and assigns forever, the following described land, situate, lying and being in **Columbia** County, Florida, to-wit:

Lot(s) 12, 13, and 14, **ROLLING MEADOWS,** a subdivision according to the plat thereof, as recorded in Plat Book 8, pages 45 and 46, public records of Columbia County, Florida.

PARCEL NO. Part of [redacted]

SUBJECT TO: Taxes and special assessments for the year 2005 and subsequent years; restrictions, reservations, rights of way for public roads, easements of record, if any; and zoning and any other governmental restrictions regulating the use of the lands.

and said Grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons claiming by, through or under said Grantor.

IN WITNESS WHEREOF, Grantor has hereunto set its hand and seal the day and year first above written.

Signed, sealed and delivered
in the presence of:

Print Name: William J. Haley

Print Name: Debbie G. Moore

RML HOLDINGS, INC., a Florida corporation

By: _____
Margaret Lardizabal
Vice President

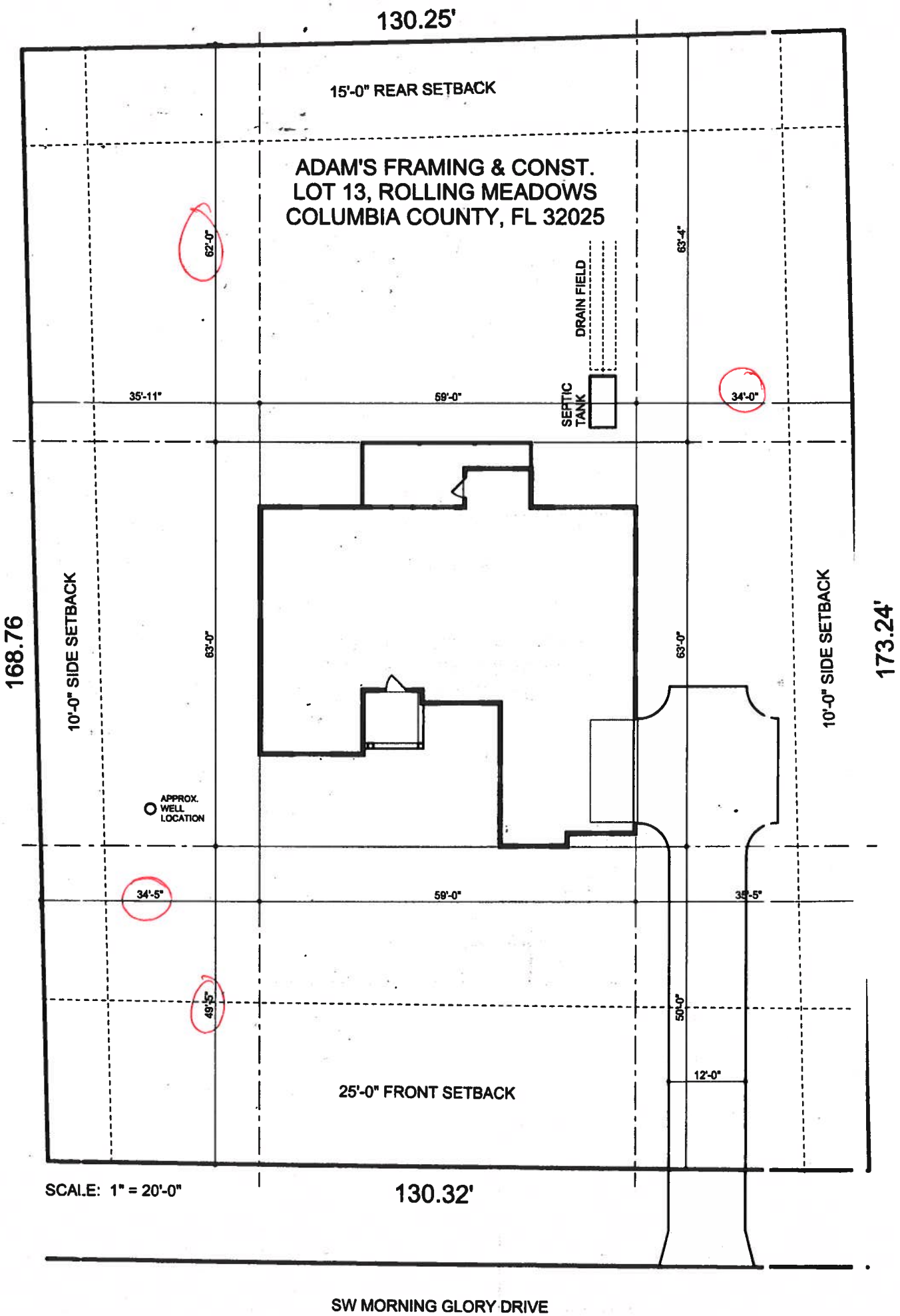
STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 26th day of October, 2005, by Margaret Lardizabal, as Vice President of RML Holdings, Inc., a Florida corporation, on behalf of said corporation, who is personally known to me.

_____
Notary Public, State of Florida

Debbie G. Moore
Commission # DD400475
Expires March 16, 2009
Bonded Troy Fain - Insurance, Inc. 800-385-7019

Inst:2005026828 Date:10/27/2005 Time:11:18
Doc Stamp-Deed : 882.00
DC,P.DeWitt Cason,Columbia County B:1063 P:671


130.25'
15'-0" REAR SETBACK
ADAM'S FRAMING & CONST.
LOT 13, ROLLING MEADOWS
COLUMBIA COUNTY, FL 32025
62'-0"
63'-4"
DRAIN FIELD
SEPTIC TANK
35'-11"
59'-0"
34'-0"
168.76
10'-0" SIDE SETBACK
63'-0"
63'-0"
10'-0" SIDE SETBACK
173.24'
APPROX. WELL LOCATION
34'-5"
59'-0"
35'-5"
49'-5"
50'-0"
12'-0"
25'-0" FRONT SETBACK
SCALE: 1" = 20'-0"
130.32'
SW MORNING GLORY DRIVE

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-8" WELLS

DONALD AND MARY HALL
OWNERS

PHONE (904) 752-
FAX (904) 755-70
LAKE CITY, FLORIDA
904 NW Main Bl

June 12, 2002

NOTICE TO ALL CONTRACTORS

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

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

Thank you,

Donald D. Hall
DDH/jk

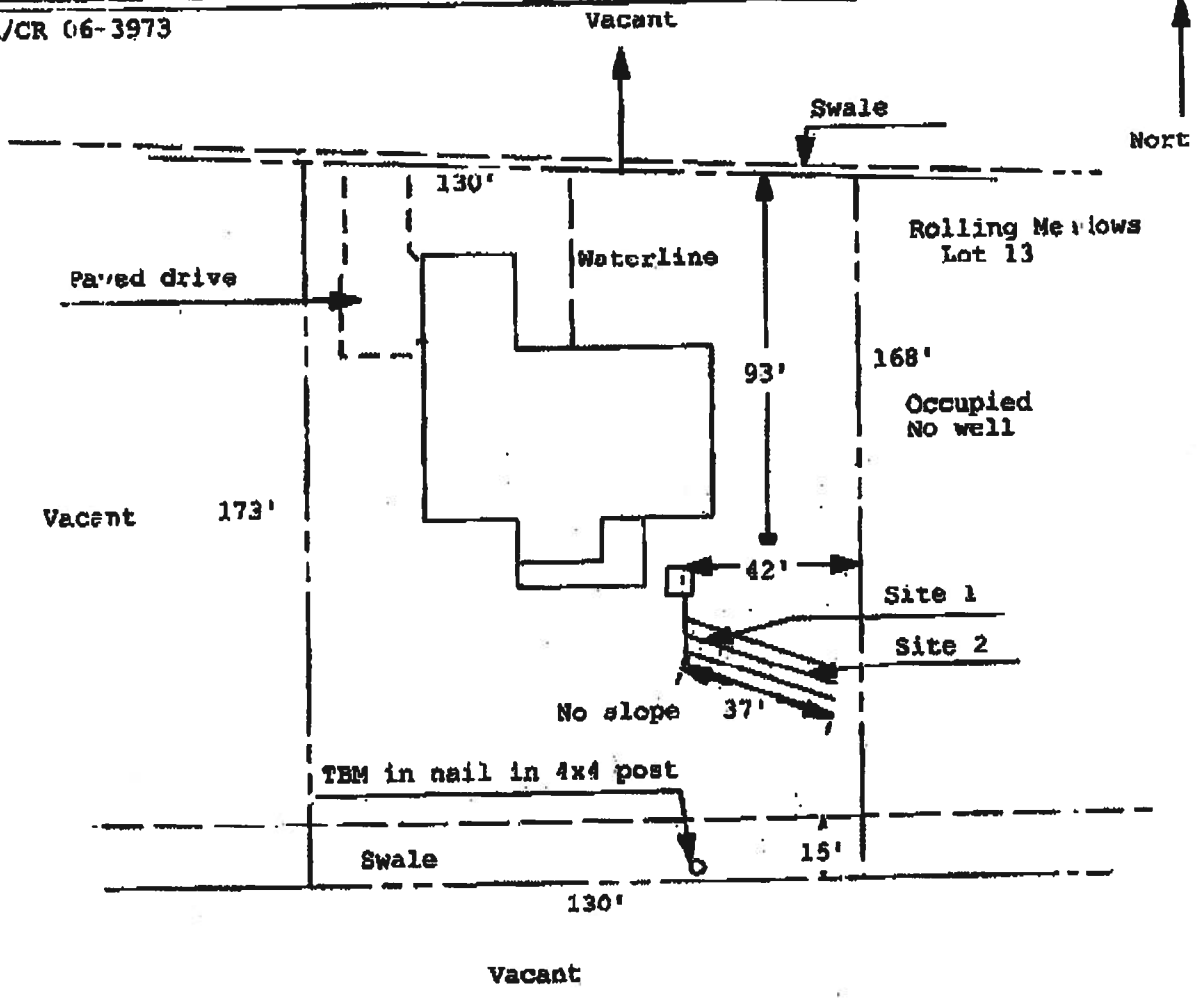
070503

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

Permit Application Number: 07-0374

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

PAPKA/CR 06-3973



1 inch = 10 feet

Site Plan Submitted By Paul Lloyd Date 5/7/07

Plan Approved ✓ Not Approved ____ Date 5/9/07

By [signature] Columbia CPI

Notes: _____

070503

Permit Number:

Tax Folio Number:

State of: Florida
County of: Columbia

File Number: 07-0223

CLERK CIRCUIT COURT COLUMBIA COUNTY, FLORIDA

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing is a true copy of the original filed in this office.
P. DeWITT CASON, CLERK OF COURT
By: [signature] Deputy
Date: 6/22/07

NOTICE OF COMMENCEMENT

Inst:200712013694 Date:6/22/2007 Time:2:16 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 1

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:
   Lot 13, ROLLING MEADOWS, a subdivision according to the plat thereof, as recorded in Plat Book 8 Pages 45 and 46, Public Records of Columbia County, Florida.

2. General Description of Improvements: Construction of Single Family Residence

3. Owner Information:
   a. Name and Address: Adam's Framing and Construction , LLC
      PO Box 2029, Lake City, FL 32056
   b. Interest in property: Fee Simple
   c. Names and address of fee simple title holder (if other than owner):

4. Contractor: Adam's Framing and Construction, LLC
   PO Box 2029, Lake City, FL 32056

5. Surety:

6. Lender: First Federal Savings Bank of Florida, 2571 West US Highway 90, Lake City, Florida 32025

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1) (a)7., Florida Statutes.

8. In addition to himself, Owner designates the following persons to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.

9. Expiration date of Notice of Commencement (the expiration date is 1 year from date of recording unless a different date is specified): .

Adam's Framing and Construction, LLC, a
Florida Limited Liability Company

By: _____
Adam Papka, Managing Member

Sworn to and subscribed before me June 22, 2007 by Adam Papka, Managing Member of Adam's Framing and Construction, LLC, a Florida Limited Liability Company, who is personally known to me or who did provide _____ as identification.

_____
Notary Public
My Commission Expires: _____

Notary Public State of Florida
Matthew Rocco
My Commission DD576348
Expires 09/17/2010

FOR M 600A-2004 Tested sealed ducts must be certified in this house. EnergyGauge® 4.1

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	Adam's Framing & Const. - Lot 13	Builder:	Adam's Framing & Const.
Address:	Lot: 13, Sub: Rolling Meadows, Plat:	Permitting Office:	Columbia Co.
City, State:	Lake City, FL 32025-	Permit Number:	25962
Owner:	Spec House	Jurisdiction Number:	221000
Climate Zone:	North		

1.	New construction or existing	New	
2.	Single family or multi-family	Single family	
3.	Number of units, if multi-family	1	
4.	Number of Bedrooms	4	
5.	Is this a worst case?	No	
6.	Conditioned floor area (ft²)	1954 ft²	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
a	U-factor: (or Single or Double DEFAULT)	7a. (Sngle Default) 337.3 ft²	
b	SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 337.3 ft²	
8.	Floor types		
a	Slab-On-Grad Edge Insulation	R=0.0, 211.0(p) ft	
b	N/A		
c	N/A		
9.	Wall types		
a	Frame, Wood, Adjacent	R=13.0, 1471.7 ft²	
b	Frame, Wood, Adjacent	R=13.0, 174.0 ft²	
c	N/A		
d	N/A		
e	N/A		
10.	Ceiling types		
a	Under Attic	R=30.0, 2200.0 ft²	
b	N/A		
c	N/A		
11.	Ducts(Leak Free)		
a	Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 55.0 ft	
b	N/A		

12.	Cooling systems		
a.	Central Unit	Cap: 51.0 kBtu/hr SEER: 12.00	
b.	N/A		
c.	N/A		
13.	Heating systems		
a.	Electric Heat Pump	Cap: 51.0 kBtu/hr HSPF: 7.20	
b.	N/A		
c.	N/A		
14.	Hot water systems		
a.	Electric Resistance	Cap: 50.0 gallons EF: 0.90	
b.	N/A		
c.	Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT,	

Glass/Floor Area: 0.17 Total as-built points: 30384 Total base points: 30400 **PASS**

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

PREPARED BY: _____

DATE: 3-26-07

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

OWNER/AGENT: _____

DATE: 4-4-07

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

Res dential Whole Building Performance Method A - Details

DDRESS: .ot: 13, Sub: Rolling Meadows, Plat: , Lake City, FL, 32025- PERMIT #:

	BASE				AS-BUILT							
GL	SS TYPES					Overhang						
.18	X Conditic ned Floor A ea	X BSPM	= Points		Type/SC	Ornt	Len	Hgt	Area X	SPM X	SOF	= Points
.18	195 .0	20.04	7048.5		Single, Clear	W	1.5	9.0	72.0	43.84	0.97	3062.7
					Single, Clear	W	11.5	11.0	72.0	43.84	0.52	1639.7
					Single, Clear	S	17.5	11.0	20.0	40.81	0.47	381.3
					Single, Clear	W	5.5	11.0	30.0	43.84	0.73	960.0
					Single, Clear	N	1.5	9.0	24.0	21.73	0.98	508.8
					Single, Clear	N	1.5	9.0	16.0	21.73	0.98	339.2
					Single, Clear	E	1.5	11.0	36.0	47.92	0.99	1699.7
					Single, Clear	E	10.5	11.0	13.3	47.92	0.53	337.3
					Single, Clear	E	1.5	9.0	36.0	47.92	0.97	1672.9
					Single, Clear	S	1.5	9.0	18.0	40.81	0.94	693.5
					As-Built Total:				337.3			11295.1

WA	L TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adj	ent	1645.7	0.70	1152.0	Frame, Wood, Adjacent	13.0	1471.7	0.60	883.0
Ext	ior	0.0	0.00	0.0	Frame, Wood, Adjacent	13.0	174.0	0.60	104.4
Bas	Total:	1645.7		1152.0	As-Built Total:		1645.7		987.4

DO	OR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adj	ent	18.0	1.60	28.8	Exterior Insulated	20.0	4.10	82.0
Ext	ior	20.0	4.10	82.0	Adjacent Insulated	18.0	1.60	28.8
Bas	Total:	38.0		110.8	As-Built Total:	38.0		110.8

CE	ING TYPE S	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM =	Points
Un	r Attic	1954.0	1.73	3380.4	Under Attic	30.0	2200.0	1.73 X 1.00	3806.0
Bas	Total:	1954.0		3380.4	As-Built Total:		2200.0		3806.0

FL	OR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Sla		211.0(p)	-37.0	-7807.0	Slab-On-Grade Edge Insulation	0.0	211.0(p	-41.20	-8693.2
Rai	ed	0.0	0.00	0.0					
Bas	Total:			-7807.0	As-Built Total:		211.0		-8693.2

INI	LTRATION	Area X	BSPM	= Points		Area X	SPM	= Points
		1954.0	10.21	19950.3		1954.0	10.21	19950.3

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 13, Sub: Rolling Meadows, Plat: , Lake City, FL, 32025- PERMIT #:

	BASE			AS-BUILT						
Summer Base Points: 23835.0				Summer As-Built Points:						27456.5
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 51000 btuh ,SEER/EFF(12.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS)					
					27456	1.00	(1.09 x 1.000 x 1.00)	0.284	0.950	8086.3
23835.0		0.4266		10168.0	27456.5	1.00	1.090	0.284	0.950	8086.3

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 13, Sub: Rolling Meadows, Plat: , Lake City, FL, 32025- PERMIT #:

	BASE				AS-BUILT								
GL	SS TYPES					Overhang							
.18	X Conditi ned Floor A ea	X BWPM	= Points		Type/SC	Ornt	Len	Hgt	Area X	WPM	X WOF	= Points	
.18	195 .0	12.74	4480.9		Single, Clear	W	1.5	9.0	72.0	28.84	1.01	2092.9	
					Single, Clear	W	11.5	11.0	72.0	28.84	1.17	2433.0	
					Single, Clear	S	17.5	11.0	20.0	20.24	3.34	1353.6	
					Single, Clear	W	5.5	11.0	30.0	28.84	1.08	937.6	
					Single, Clear	N	1.5	9.0	24.0	33.22	1.00	797.6	
					Single, Clear	N	1.5	9.0	16.0	33.22	1.00	531.8	
					Single, Clear	E	1.5	11.0	36.0	26.41	1.01	960.6	
					Single, Clear	E	10.5	11.0	13.3	26.41	1.27	447.2	
					Single, Clear	E	1.5	9.0	36.0	26.41	1.02	965.6	
					Single, Clear	S	1.5	9.0	18.0	20.24	1.02	372.8	
					As-Built Total:				337.3			10892.7	
WA	LL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM	=	Points	
Adj	ent	1645.7	3.60	5924.5	Frame, Wood, Adjacent			13.0	1471.7	3.30		4856.6	
Ext	ior	0.0	0.00	0.0	Frame, Wood, Adjacent			13.0	174.0	3.30		574.2	
Bas	Total:	1645.7		5924.5	As-Built Total:				1645.7			5430.8	
DO	OR TYPES	Area X	BWPM =	Points	Type				Area X	WPM	=	Points	
Adj	ent	18.0	8.00	144.0	Exterior Insulated				20.0	8.40		168.0	
Ext	ior	20.0	8.40	168.0	Adjacent Insulated				18.0	8.00		144.0	
Bas	Total:	38.0		312.0	As-Built Total:				38.0			312.0	
CE	ING TYPE S	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X WCM	=	Points	
Unc	r Attic	1954.0	2.05	4005.7	Under Attic			30.0	2200.0	2.05 X 1.00		4510.0	
Bas	Total:	1954.0		4005.7	As-Built Total:				2200.0			4510.0	
FL	OR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM	=	Points	
Sla		211.0(p)	8.9	1877.9	Slab-On-Grade Edge Insulation			0.0	211.0(p	18.80		3966.8	
Rai	d	0.0	0.00	0.0									
Bas	Total:			1877.9	As-Built Total:				211.0			3966.8	
INF	LTRATION	Area X	BWPM =	Points					Area X	WPM	=	Points	
		1954.0	-0.59	-1152.9					1954.0	-0.59		-1152.9	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 13, Sub: Rolling Meadows, Plat: , Lake City, FL, 32025- PERMIT #:

	BASE			AS-BUILT						
Winter Base Points:			15448.2	Winter As-Built Points:						23959.5
Tot	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 51000 btuh ,EFF(7.2) Ducts:Unc(S),Unc(R),Gar(AH),R6.0						
				23959.5	1.000	(1.069 x 1.000 x 1.00)	0.474	0.950	11523.9	
	5448.2	0.6274	9692.2	23959.5	1.00	1.069	0.474	0.950	11523.9	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 13, Sub: Rolling Meadows, Plat: , Lake City, FL, 32025- PERMIT #:

	BASE			AS-BUILT						
WATER HEATING	Number of Bedrooms		Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total
	4		2635.00	10540.0	50.0	0.90	4	1.00	2693.56	1.00	10774.2
					As-Built Total:						10774.2

CODE COMPLIANCE STATUS

	BASE				AS-BUILT			
	Cooling Points +	Heating Points +	Hot Water Points =	Total Points	Cooling Points +	Heating Points +	Hot Water Points =	Total Points
1	168	9692	10540	30400	8086	11524	10774	30384

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 13, Sub: Rolling Meadows, Plat: , 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 House	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 cir 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* = 83.2

The higher the score, the more efficient the home.

Spec House, Lot: 13, Sub: Rolling Meadows, Plat: , Lake City, FL, 32025-

1.	New construct on or existing	New	__
2.	Single family r multi-family	Single family	__
3.	Number of un s, if multi-family	1	__
4.	Number of Be lrooms	4	__
5.	Is this a worst ase?	No	__
6.	Conditioned fl or area (ft²)	1954 ft²	__
7.	Glass type[1] a d area: (Label reqd. by 13-104.4.5 if not default)		
a	U-factor:	Description Area	
	(or Single or ouble DEFAULT) 7a.	(Sngle Default) 337.3 ft²	__
b	SHGC:		
	(or Clear or int DEFAULT) 7b.	(Clear) 337.3 ft²	__
8.	Floor types		
a	Slab-On-Grad : Edge Insulation	R=0.0, 211.0(p) ft	__
b	N/A		__
c	N/A		__
9.	Wall types		
a	Frame, Wood, Adjacent	R=13.0, 1471.7 ft²	__
b	Frame, Wood, Adjacent	R=13.0, 174.0 ft²	__
c	N/A		__
c	N/A		__
e	N/A		__
10.	Ceiling types		
a	Under Attic	R=30.0, 2200.0 ft²	__
b	N/A		__
c	N/A		__
11.	Ducts(Leak Fr e)		
a	Sup: Unc. Re : Unc. AH: Garage	Sup. R=6.0, 55.0 ft	__
b	N/A		__

12.	Cooling systems		
a.	Central Unit	Cap: 51.0 kBtu/hr	__
		SEER: 12.00	__
b.	N/A		__
			__
c.	N/A		__
			__
13.	Heating systems		
a.	Electric Heat Pump	Cap: 51.0 kBtu/hr	__
		HSPF: 7.20	__
b.	N/A		__
			__
c.	N/A		__
			__
14.	Hot water systems		
a.	Electric Resistance	Cap: 50.0 gallons	__
		EF: 0.90	__
b.	N/A		__
			__
c.	Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		__
15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT,	__

I c tify that this home has complied with the Florida Energy Efficiency Code For Building Co struction thr ugh the above energy saving features which will be installed (or exceeded) in t is home bef re final inspection. Otherwise, a new EPL Display Card will be completed bas d on installe l Code compliant features.

Bu ler Signatur : _____ Date: _____

Ad ess of New Home: _____ City/FL Zip: _____

*N TE: The hor e's estimated energy performance score is only available through the FLA/RES computer progr m. Th is not a Bui ding Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), yo home may c ualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Co act the Ene gy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for inf mation and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Co struction, co tact the Department of Community Affairs at 850/487-1824.

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

Energy Code Compliance

Duct System Performance Report

Proj ct Name:	Adam's Framing & Const. - Lot 13	Builder:	Adam's Framing & Const.
Add ess:		Permitting Office:	
City State:	Lake City, FL 32025-	Permit Number:	
Ow er:	Spec House	Jurisdiction Number:	
Clin ate Zone:	North		

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 h ereby certify hat the above duct testing performance res lts demons rate compliance with the Florida Energy Co e requirem nts in accordance with Section 610.1.A.1, Flc da Buildin Code, Building Volume, Chapter 13 for eak free du t system credit.

Si nature: _____

Pr nted Nan e: _____

Fl rida Rat r Certification #: _____

D TE: _____

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.htp

BUILDING OFFICIAL: _____

DATE: _____

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001406

DATE 06/26/2007 PARCEL ID # 15-4S-16-03023-513

APPLICANT LINDA RODER PHONE 752-2281

ADDRESS 387 SW KEMP CT LAKE CITY FL 32024

OWNER ADAM PAPKA PHONE 623-2383

ADDRESS 381 SW MORNING GLORY DR LAKE CITY FL 32024

CONTRACTOR ADAM PAPKA PHONE 623-2383

LOCATION OF PROPERTY 247S, TL ON CALLAHAN, TL ON HOPE HENRY, TR ON MORNING GLORY DR, 1ST LOT ON LEFT PAST BUTTERCUP

SUBDIVISION/LOT/BLOCK/PHASE/UNIT ROLLING MEADOWS 13

SIGNATURE

INSTALLATION REQUIREMENTS

[X] Culvert size will be 18 inches in diameter with a total lenght of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:
a) a majority of the current and existing driveway turnouts are paved, or;
b) the driveway to be served will be paved or formed with concrete.
Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.

[ ] Culvert installation shall conform to the approved site plan standards.

[ ] Department of Transportation Permit installation approved standards.

[ ] Other

ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED DURING THE INSTALATION OF THE CULVERT.

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160

Amount Paid 25.00

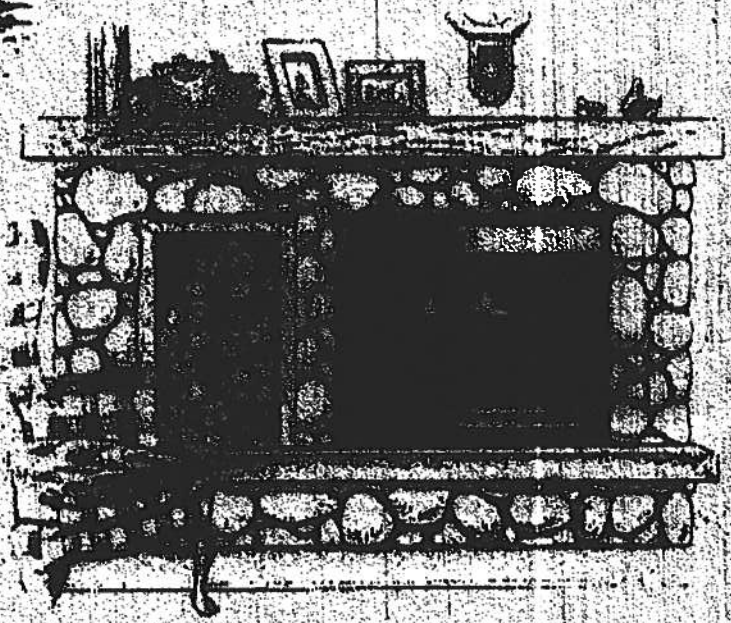
COLUMBIA COUNTY, FLORIDA

VENT-FREE

This unit is A.G.A. certified as a heater with 99% heat efficiency
No chimney or flue system required
Wide selection of factory installed options offered

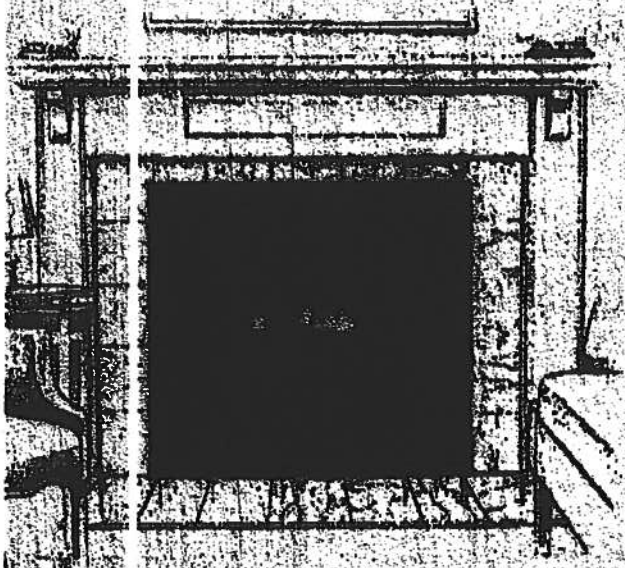
VF-4000

- 14,000 – 25,000 Btu/hr with manual control valve
- 19,500 – 25,000 Btu/hr with millivolt control valve
- Fully assembled and ready to install
- Attractive wood surrounds available
- 15" x 30" fixed or operable screen opening



VF-5000

- 25,000 Btu/hr millivolt variable heat output
- 15" x 30" glass or screen viewing area
- Clean burning, safe and easy to install
- Realistic charred oak logs with glowing embers

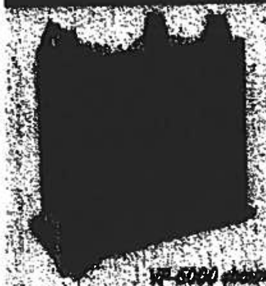


VF-6000

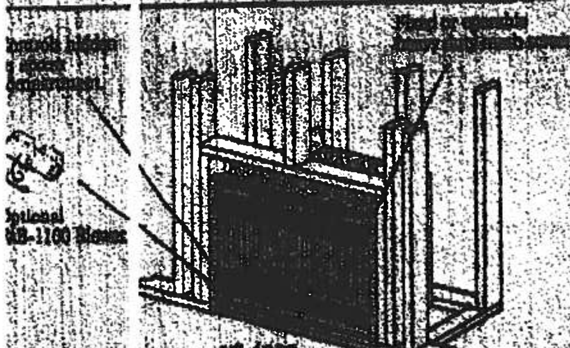
- 32,000 Btu/hr millivolt variable heat output
- Beautiful 20" X 34" glass or screen viewing area
- Will operate during a power failure
- Designed for large rooms

SUPERIOR

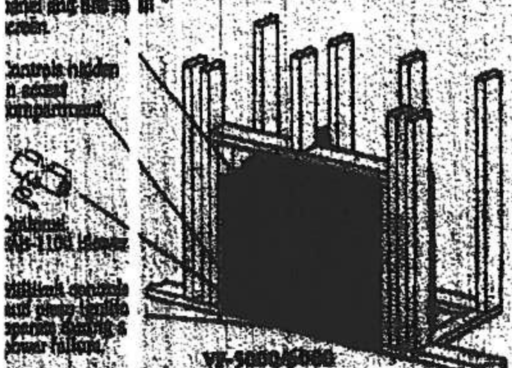
[illegible]



VF-6000 shown.



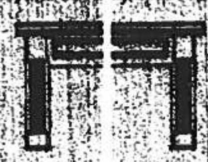
Optional [illegible] [illegible] panel [illegible] screen.

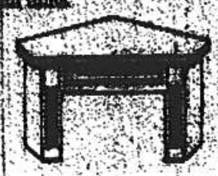


Millivolt controls [illegible] operation during power failure.

SURROUNDS

The [illegible] Surround is hand crafted using a combination of solid Poplar and Poplar veneer. Using the [illegible] Poplar allows you the option to paint or stain this elegantly detailed surround. The surround is constructed using easy to assemble cam locks, and available in corner and wall units.





Distributed by:

Refractory tan brick panels

Gas flue liner kit.

Square brass trim kit

Brass Louver kit (For VF-4 only)

Screen panel kit. (For VF-5 & VF6 only)

Arch kit. (For VF-5 & VF6 only)

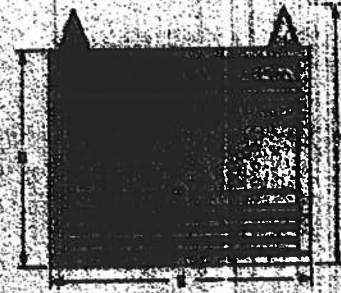
Glass door kit. (For VF-5 & VF6 only)

Brass bead. (For VF-5 & VF6 only)

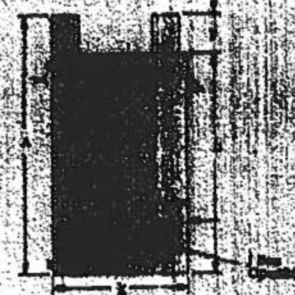
Wall switch or optional wireless remote available. (For VF-4000, VF-5 & VF-6)

Wall thermostat. (For VF-4000, VF-5 & VF-6)

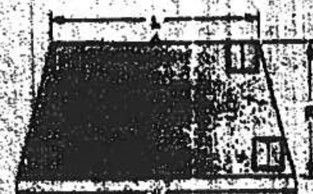
Front View



Left Side View



Top View



Vent-Free Product Dimensions

	VF-5000/6000	VF-[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	37"	[illegible]

Btu Chart

Model	Natural	Propane
VF-4000 [illegible]	14,000 – 25,000	14,000 – [illegible]
VF-5000/6000 [illegible]	19,500 – 25,000	19,500 – [illegible]
VF-[illegible]	25,000 – 32,000	[illegible]

Framing Dimensions

Model	Width	Height	Depth
VF-4000/5000	37"	37-3/4"	15-1/2"
VF-6000	41"	42-3/8"	15-1/2"

NOTE: Diagrams and illustrations are not to scale. Product designs, materials, dimensions, specifications, colors and prices subject to change or discontinuation without notice. Built to ANSI Z21.11.2 standard and approved by A.G.A. (report # [illegible]).

Consult your distributor for local fireplace code information.

SUPERIOR

www.LennoxHearthProducts.com

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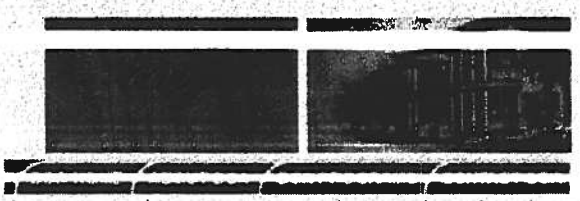
[illegible] 2/00

FLORIDA DEPARTMENT OF
Community Affairs



Product Approval
USER: Public User

FL #	FL1956-R1
Application Type	Revision
Code Version	2004
Application Status	Approved
Comments	
Archived	☐
Product Manufacturer	TAMKO Building Products, Inc.
Address/Phone/Email	PO Box 1404 Joplin, MO 64802 (800) 641-4691 ext 2394 fred_oconnor@tamko.com
Authorized Signature	Frederick O'Connor fred_oconnor@tamko.com
Technical Representative	Frederick J. O'Connor
Address/Phone/Email	PO Box 1404 Joplin, MO 64802 (800) 641-4691 fred_oconnor@tamko.com

Quality Assurance Representative Address/Phone/Email	
Category	Roofing
Subcategory	Asphalt Shingles
Compliance Method	Certification Mark or Listing
Certification Agency	Underwriters Laboratories Inc.

Referenced Standard and Year (of Standard)	Standard	Year
	ASTM D 3462	2001

Equivalence of Product Standards Certified By	
Product Approval Method	Method 1 Option A
Date Submitted	06/09/2005
Date Validated	06/20/2005
Date Pending FBC Approval	06/25/2005
Date Approved	06/29/2005

Summary of Products

FL #	Model, Number or Name	Description

slopes of 2:12 or greater. Not approved for use in HVHZ.	

Back Next

DCA Administration
Department of Community Affairs
Florida Building Code Online
Codes and Standards
2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100
(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

Product Approval Accepts:

4

333 Pfingsten Road
Northbrook, IL 60062-2096 USA
www.ul.com
tel: 1 847 272 8800

June 17, 2005

Tamko Roofing Products
Ms. Cerri Eden
P.O. Box 1404
220 W. 4th Street
Joplin, MO 64802-1404

Our Reference: R2919

This is to confirm that "Elite Glass-Seal AR", "Heritage 30 AR", "Heritage 50 AR", "Glass-Seal AR" manufactured at Tuscaloosa, AL and "Elite Glass-Seal AR", "Heritage 30 AR", "Heritage XL AR", "Heritage 50 AR" manufactured at Frederick, MD and "Heritage 30 AR", "Heritage XL AR", and "Heritage 50 AR" manufactured in Dallas, TX are UL Listed asphalt glass mat shingles and have been evaluated in accordance with ANSI/UL 790, Class A (ASTM E108), ASTM D3462, ASTM D3161 or UL 997 modified to 110 mph when secured with four nails.

Let me know if you have any further questions.

Very truly yours,

Alpesh Patel (Ext. 42522)
Engineer Project
Fire Protection Division

Reviewed by,

Randall K. Laymon (Ext. 42687)
Engineer Sr Staff
Fire Protection Division

4

TAMKO BUILDING PRODUCTS

Application Instructions for

• HERITAGE® VINTAGE™ AR – Phillipsburg, KS

LAMINATED ASPHALT SHINGLES

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO BUILDING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS.

THIS PRODUCT IS COVERED BY A LIMITED WARRANTY, THE TERMS OF WHICH ARE PRINTED ON THE WRAPPER.

IN COLD WEATHER (BELOW 40°F), CARE MUST BE TAKEN TO AVOID DAMAGE TO THE EDGES AND CORNERS OF THE SHINGLES.

IMPORTANT: It is not necessary to remove the plastic strip from the back of the shingles.

1. ROOF DECK

These shingles are for application to roof decks capable of receiving and retaining fasteners, and to inclines of not less than 2 in. per foot. For roofs having pitches 2 in. per foot to less than 4 in. per foot, refer to special instructions titled "Low Slope Application". Shingles must be applied properly. TAMKO assumes no responsibility for leaks or defects resulting from improper application, or failure to properly prepare the surface to be roofed over.

NEW ROOF DECK CONSTRUCTION: Roof deck must be smooth, dry and free from warped surfaces. It is recommended that metal drip edges be installed at eaves and rakes.

PLYWOOD: All plywood shall be exterior grade as defined by the American Plywood Association. Plywood shall be a minimum of 3/8 in. thickness and applied in accordance with the recommendations of the American Plywood Association.

SHEATHING BOARDS: Boards shall be well-seasoned tongue-and-groove boards and not over 6 in. nominal width. Boards shall be a 1 in. nominal minimum thickness. Boards shall be properly spaced and nailed.

TAMKO does not recommend re-roofing over existing roof.

2. VENTILATION

Inadequate ventilation of attic spaces can cause accumulation of moisture in winter months and a build up of heat in the summer. These conditions can lead to:

1. Vapor Condensation
2. Buckling of shingles due to deck movement.
3. Rotting of wood members.
4. Premature failure of roof.

To insure adequate ventilation and circulation of air, place louvers of sufficient size high in the gable ends and/or install continuous ridge and soffit vents. FHA minimum property standards require one square foot of net free ventilation area to each 150 square feet of space to be vented, or one square foot per 300 square feet if a vapor barrier is installed on the warm side of the ceiling or if at least one half of the ventilation is provided near the ridge. If the ventilation openings are screened, the total area should be doubled.

IT IS PARTICULARLY IMPORTANT TO PROVIDE ADEQUATE VENTILATION.

3. FASTENERS

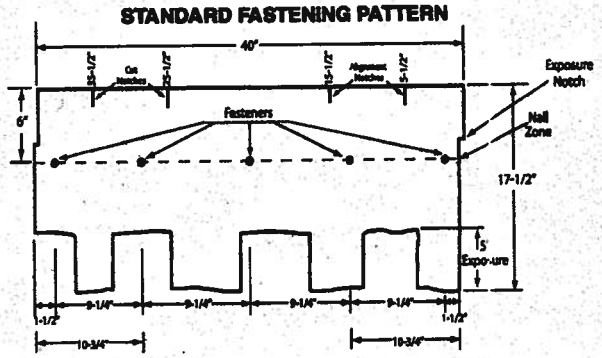
WIND CAUTION: Extreme wind velocities can damage these shingles after application when proper sealing of the shingles does not occur. This can especially be a problem if the shingles are applied in cooler months or in areas on the roof that do not receive direct sunlight. These conditions may impede the sealing of the adhesive strips on the shingles. The inability to seal down may be compounded by prolonged cold weather conditions and/or blowing dust. In these situations, hand sealing of the shingles is recommended. Shingles must also be fastened according to the fastening instructions described below.

Correct placement of the fasteners is critical to the performance of the shingle. If the fasteners are not placed as shown in the diagram and described below, this will result in the termination of TAMKO's liabilities under the limited warranty. TAMKO will not be responsible for damage to shingles caused by winds in excess of the applicable miles per hour as stated in the limited warranty. See limited warranty for details.

FASTENING PATTERNS: Fasteners must be placed 6 in. from the top edge of the shingle located horizontally as follows:

1) Standard Fastening Pattern. (For use on decks with slopes 2 in. per foot to 21 in. per foot.) One fastener 1-1/2 in. back from each end, one 10-3/4 in. back from each end and one 20 in. from one end of the shingle for a total of 5 fasteners. (See standard fastening pattern illustrated below).

STANDARD FASTENING PATTERN



2) Mansard or Steep Slope Fastening Pattern. (For use on decks with slopes greater than 21 in. per foot.) Use standard nailing instructions with four additional nails placed 6 in. from the butt edge of the shingle making certain nails are covered by the next (successive) course of shingles.

(Continued)

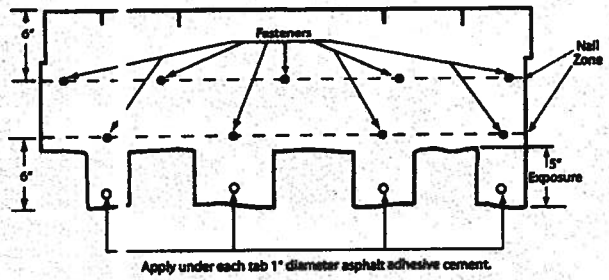
(CONTINUED from Pg. 1)

TAMKO BUILDING PRODUCTS

• HERITAGE® VINTAGE™ AR – Phillipsburg, KS
LAMINATED ASPHALT SHINGLES

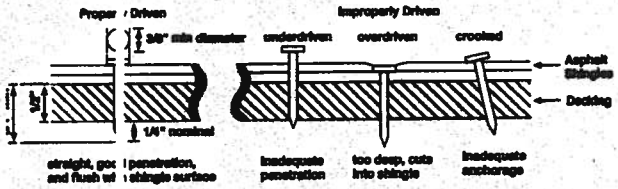
Each shingle tab must be sealed underneath with quick setting asphalt adhesive cement immediately upon installation. Spots of cement must be equivalent in size to a $.25 piece and applied to shingles with a 5 in. exposure, using 9 fasteners per shingle.

MANSARD FASTENING PATTERN



Apply under each tab 1" diameter asphalt adhesive cement.

NAILS: TAMKO recommends the use of nails as the preferred method of application. Standard type roofing nails should be used. Nail shanks should be made of minimum 12 gauge wire, and a minimum head diameter of 3/8 in. Nails should be long enough to penetrate 3/4 in. into the roof deck. Where the deck is less than 3/4 in. thick, the nails should be long enough to penetrate completely through plywood decking and extend at least 1/8 in. through the roof deck. Drive nail head flush with the shingle surface.



4. UNDERLAYMENT

UNDERLAYMENT: An underlayment consisting of asphalt saturated felt must be applied over the entire deck before the installation of TAMKO shingles. Failure to add underlayment can cause premature failure of the shingles and leaks which are not covered by TAMKO's limited warranty. Apply the felt when the deck is dry. On roof decks 4 in. per foot and greater apply the felt parallel to the eaves lapping each course of the felt over the lower course at least 2 in. Where ends join, lap the felt 4 in. If left exposed, the underlayment felt may be adversely affected by moisture and weathering. Laying of the underlayment and the shingle application must be done together.

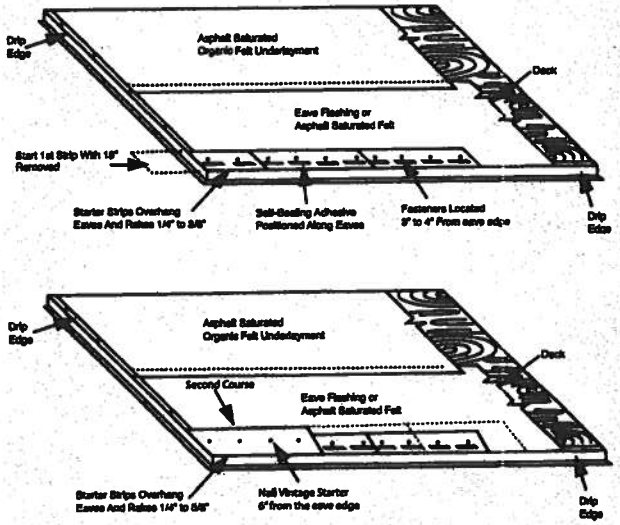
Products which are acceptable for use as underlayment are:

- TAMKO No. 15 Asphalt Saturated Organic Felt
- A non-perforated asphalt saturated organic felt which meets ASTM: D226, Type I or ASTM D4869, Type I
- Any TAMKO non-perforated asphalt saturated organic felt
- TAMKO TW Metal and Tile Underlayment, TW Underlayment and Moisture Guard Plus® (additional ventilation maybe required. Contact TAMKO's technical services department for more information)

In areas where ice builds up along the eaves or a back-up of water from frozen or clogged gutters is a potential problem, TAMKO's Moisture Guard Plus® waterproofing underlayment (or any specialty eaves flashing product) may be applied to eaves, rakes, ridges, valleys, around chimneys, skylights or dormers to help prevent water damage. Contact TAMKO's Technical Services Department for more information. TAMKO does not recommend the use of any substitute products as shingle underlayment.

5. APPLICATION INSTRUCTIONS

STARTER COURSE: Two starter course layers must be applied prior to application of Heritage Vintage AR Shingles.
The first starter course may consist of TAMKO Shingle Starter, three tab self-sealing type shingles or a 9 inch wide strip of mineral surface roll roofing. If three tab self-sealing shingles are used, remove the exposed tab portion and install with the factory applied adhesive adjacent to the eaves. If using three tab self-sealing shingles or shingle starter, remove 18 in. from first shingle to offset the end joints of the Vintage Starter. Attach the first starter course with approved fasteners along a line parallel to and 3 in. to 4 in. above the eave edge. The starter course should overhang both the eave and rake edge 1/4 in. to 3/8 in. Over the first starter course, install Heritage Vintage Starter AR and begin at the left rake edge with a full size shingle and continue across the roof nailing the Heritage Vintage Starter AR along a line parallel to and 6 in. from the eave edge.



Note: Do not allow Vintage Starter AR joints to be visible between shingle tabs. Cutting of the starter may be required.

HERITAGE VINTAGE STARTER AR
12 1/2" x 36" 20 PIECES PER BUNDLE
60 LINEAL FT. PER BUNDLE

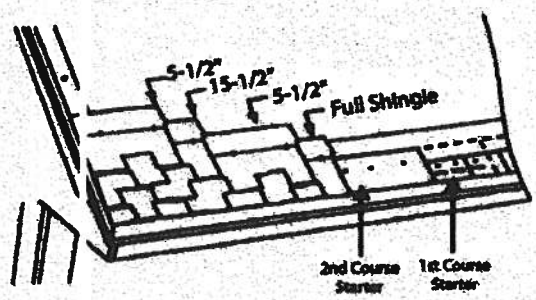
(Continued)

(CONTINUED from Pg. 2)

TAMKO BUILDING PRODUCTS

• HERITAGE® VINTAGE™ AR – Phillipsburg, KS
LAMINATED ASPHALT SHINGLES

SHINGLE AP PLICATION: Start the first course at the left rake edge with a full siz shingle and overhang the rake edge 1/4 in. to 3/8 in.. To begin the s econd course, align the right side of the shingle with the 5-1/2 in. alig ment notch on the first course shingle making sure to align the exp sure notch. (See shingle illustration on next page) Cut the appropria e amount from the rake edge so the overhang is 1/4" to 3/8". For the t ird course, align the shingle with the 15-1/2 in. alignment notch at the to p of the second course shingle, again being sure to align the exposure notch. Cut the appropriate amount from the rake edge. To begin the f urth course, align the shingle with the 5-1/2 in. alignment notch from th third course shingle while aligning the exposure notch. Cut the appro riate amount from the rake edge. Continue up the rake in as many rows as necessary using the same formula as outlined above. Cut pieces m y be used to complete courses at the right side. As you work across he roof, install full size shingles taking care to align the exposure not hes. Shingle joints should be no closer than 4 in.



6. LOW SLO PE APPLICATION

On pitches 2 in. per foot to 4 in. per foot cover the deck with two layers of underlaymen . Begin by applying the underlayment in a 19 in. wide strip along the ea es and overhanging the drip edge by 1/4 to 3/4 in. Place a full 36 in. w ide sheet over the 19 in. wide starter piece, completely overlapping i All succeeding courses will be positioned to overlap the preceding co rse by 19 in. If winter temperatures average 25°F or less, thoroughly c ment the laps of the entire underlayment to each other with plastic c ment from eaves and rakes to a point of a least 24 in. inside the int rior wall line of the building. As an alternative, TAMKO's Moisture Gu rd Plus self-adhering waterproofing underlayment may be used in li u of the cemented felts.

7. VALLEY APPLICATION

TAMKO reco nmends an open valley construction with Heritage Vintage AR shingles.

To begin, cer er a sheet of TAMKO Moisture Guard Plus, TW Underlayment or TW etal & Tile Underlayment in the valley.

After the un erlayment has been secured, install the recommended corrosion res istant metal (26 gauge galvanized metal or an equivalent) in the valley. Secure the valley metal to the roof deck. Overlaps should be 12" and c mented.

Following valley metal application; a 9" to 12" wide strip of TAMKO Moisture Guard Plus, TW Underlayment or TW Metal & Tile Underlayment should be applied along the edges of the metal valley flashing (max. 6" onto metal valley flashing) and on top of the valley underlayment. The valley will be completed with shingle application.

SHINGLE APPLICATION INSTRUCTIONS (OPEN VALLEY)

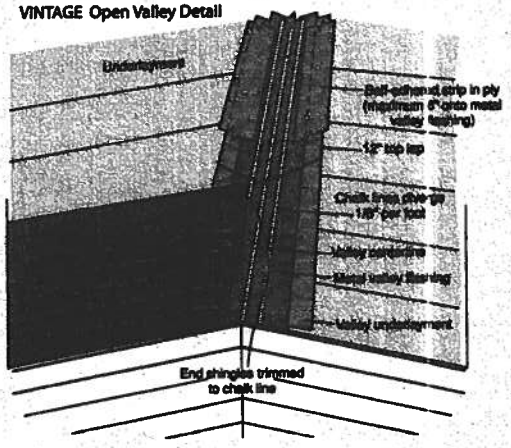
- Snap two chalk lines, one on each side of the valley centerline over the full length of the valley flashing. Locate the upper ends of the chalk lines 3" to either side of the valley centerline.
- The lower end should diverge from each other by 1/8" per foot. Thus, for an 8' long valley, the chalk lines should be 7" either side of the centerline at the eaves and for a 16' valley 8".

As shingles are applied toward the valley, trim the last shingle in each course to fit on the chalk line. Never use a shingle trimmed to less than 12" in length to finish a course running into a valley. If necessary, trim the adjacent shingle in the course to allow a longer portion to be used.

- Clip 1" from the upper corner of each shingle on a 45° angle to direct water into the valley and prevent it from penetrating between the courses.

- Form a tight seal by cementing the shingle to the valley lining with a 3" width of asphalt plastic cement (conforming to ASTM D 4586).

VINTAGE Open Valley Detail



• **CAUTION:**
Adhesive must be applied in smooth, thin, even layers.

Excessive use of adhesive will cause blistering to this product.

TAMKO assumes no responsibility for blistering.

(Continued)

(CONTINUED from Pg. 3)

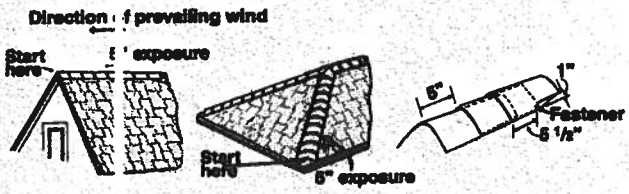
• HERITAGE® VINTAGE™ AR – Phillipsburg, KS
LAMINATED ASPHALT SHINGLES

8. HIP AND RIDGE FASTENING DETAIL

Apply the shingles with a 5 in. exposure beginning at the bottom of the hip or from the end of the ridge opposite the direction of the prevailing winds. Secure each shingle with one fastener on each side, 5-1/2 in. back from the exposed end and 1 in. up from the edge. TAMKO recommends the use of TAMKO Heritage Vintage Hip & Ridge shingle products.

Fasteners should be 1/4 in. longer than the ones used for shingles.

IMPORTANT: PRIOR TO INSTALLATION, CARE NEEDS TO BE TAKEN TO PREVENT DAMAGE WHICH CAN OCCUR WHILE BENDING SHINGLE IN COLD WEATHER.



THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO BUILDING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS.

FROM Columbia Door Company FAX NO. :386-754-9993 Jun. 28 2004 07:37AM P1

Florida Building Code Online

Building Code Information System

FLORIDA BUILDING CODE

Overview | User Registration | Organization Registration | User Authorization | Organization Search | Organization Accreditation

Manufact. Buildings

Select the organization type, status, or name to find an organization

Organization Type: Product Manufacturer

Approval Status: (ALL)

Organization Name: General American Door - Product Manufacturer

Cancel Search

Result List for Organizations

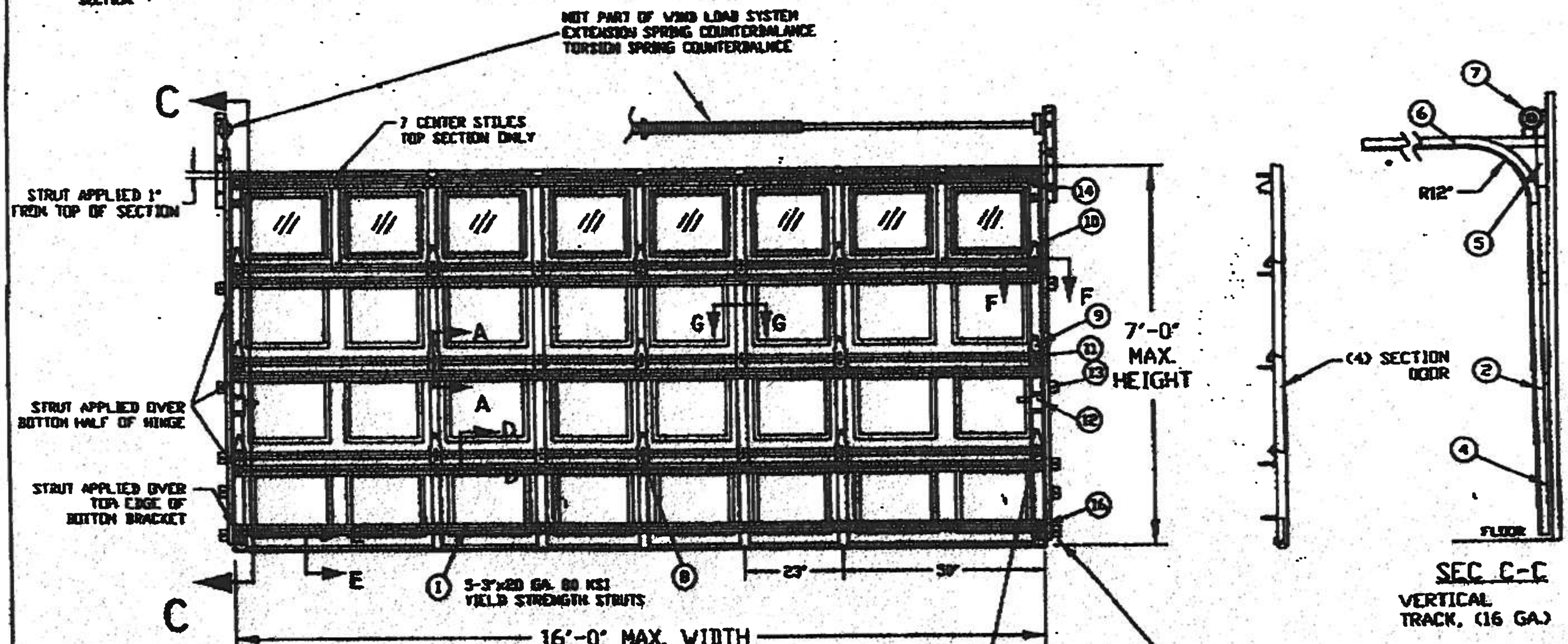
Displaying 1-1 of 1

Name	City	Contact	Phone	Type	Expire	Status
General American Door	Montgomery	James Campbell	6308593000	Product Manufacturer	01/01/2099	Approved
Org Code: FDM System ID: 3585			Site Link: www.gadco.com			

Displaying 1-1 of 1

NOTES:

1. TESTED TO POSITIVE AND NEGATIVE 20 PSF DESIGN AND POSITIVE AND NEGATIVE 30 PSF TEST PRESSURES PER ASTM E-330
2. MAXIMUM SECTION HEIGHT= 21"
3. SECTION HEIGHTS OF 21.00" AND 19.50" ARE AVAILABLE AND MAY BE USED IN ANY COMBINATION TO ACHIEVE VARIOUS DOOR HEIGHTS.
4. WINDOWS MAY BE INSTALLED IN THE TOP SECTION (AS TESTED WITH 1/8" DSB GLASS OR EQUIVALENT) OR IN THE SECTION IMMEDIATELY BELOW THE TOP SECTION
5. MAXIMUM LENGTH OF ROLLER STEM IS 5¼" (7" AS TESTED)
6. THE STRUT PLACEMENT ON DOOR MUST BE CONSISTENT WITH THE DOOR SHOWN.
7. STRUTS SECURED AT ALL LOCATIONS WITH TEK SCREWS.
8. QUANTITY OF SIDE LOCKS CAN BE 0,1, OR (2) AS TESTED.
9. DROP IN TYPE OF INSULATION IS OPTIONAL



INSIDE ELEVATION

ALL ROLLER CARRIERS AND HINGES ARE 14 GA.

12 GA. JAMB BRACKETS, MAXIMUM SPACING = 19-1/2" WITH LOWEST BRACKET APPROX. 3" FROM FLOOR, 2ND BRACKET NEAR THE HORIZONTAL ℄ OF THE BOTTOM SECTION, AND 3RD BRACKET NEAR THE TOP OF THE BOTTOM SECTION

NORTH CAROLINA PROFESSIONAL SEAL PE No. 24280

The seal on this drawing only certifies that the product(s) illustrated and described here represent the configuration(s), dimensions and installation(s) the door as tested.

LISTED

REPORT No. 2202

TEST REPORTS ON FILE VIDEO 10/19/00 (00293)

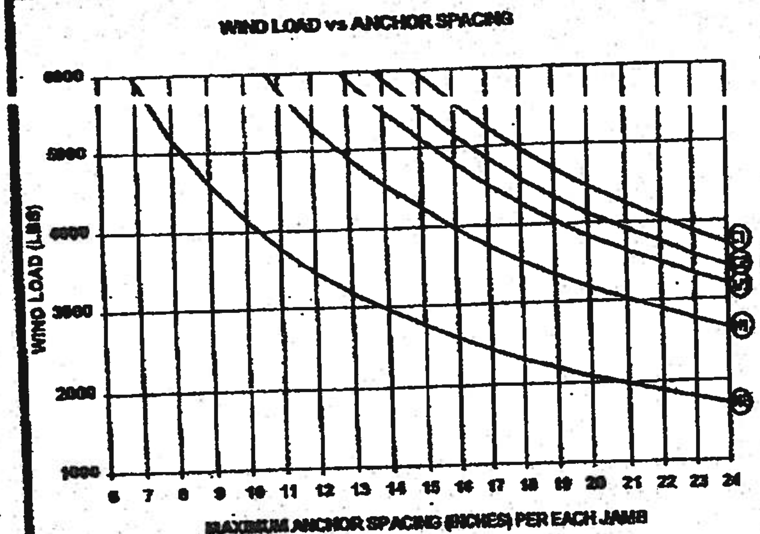
DESIGN LOAD +20.0 PSF & -20.0 PSF
TEST LOAD +30.0 PSF & -30.0 PSF

GADCO DOORS
SERIES 7400, EXTERIOR STEEL =.017 MIN (AS TESTED)
SERIES 7524, EXTERIOR STEEL =.024" MIN
(TESTED WITH WINDOWS)

MAXIMUM DOOR WIDTH	MAXIMUM DOOR HEIGHT	TYPICAL CTR. STILE SPACING	STRUTS 80 KSI SIZE	QTY.	VERTICAL TRACK

GENERAL AMERICAN DOOR COMPANY
MONTGOMERY, IL 60538

SCALE: NTS
DATE: 10-20-00
APPROVED BY:
DRAWN BY: B. WEIMAN
REVISED: (A) 11-10-00
16' X 7' MAX. RAISED PANEL STEEL DOOR -WINDLOAD ±20 PSF



C1 CONCRETE BACKUP HILTI KWIK BOLT II EXPANSION ANCHOR 1-5/8" EMBEDMENT

C2 CONCRETE BACKUP RAWL LOK/BOLT SLEEVE ANCHOR 3/8" DIA. 1-3/8" EMBEDMENT

M1 MASONRY/CMU BACKUP RAWL LOK/BOLT SLEEVE ANCHOR 3/8" DIA. 1-5/8" EMBEDMENT

M2 MASONRY/CMU BACKUP ITW BUILDEX TAPCON MASONRY ANCHOR 1/4" DIA. 1-3/4" EMBEDMENT

W1 WOOD STUD BACKUP LAG SCREWS 5/16" DIA. 1-1/2" EMBEDMENT

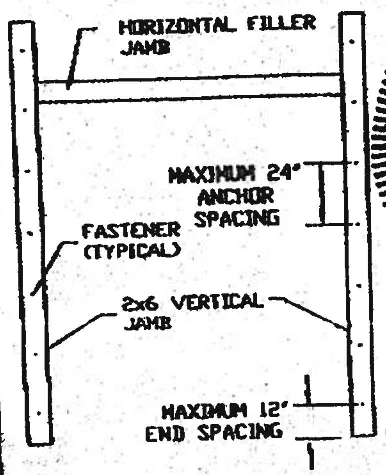
DESIGN LOAD $\frac{(LBS)}{FT^2}$ X GARAGE DOOR AREA(WIDTH-FT X HEIGHT-FT) = WIND LOAD(LBS)

EXAMPLE

$\frac{30\ LBS}{FT^2}$ X (16 FT WIDE X 8 FT HIGH) = 3840 LBS

- C1 USE 22" SPACING
- C2 USE 21" SPACING
- W1 USE 19" SPACING
- M1 USE 16" SPACING
- M2 USE 10" SPACING

SEE NOTE 11 FOR ADDITIONAL REQUIRED 2X6 WOOD JAMB ANCHORS



NORTH CAROLINA PROFESSIONAL SEAL PE No. 024280 ENGINEER NASER R KEYVAN

NASER R. KEYVAN No. 53774 STATE OF FLORIDA PROFESSIONAL ENGINEER

3/8/2002

2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

2x6 PRESSURE TREATED (GRADE #2 OR BETTER SOUTHERN PINE) WOOD JAMB SHALL BE ANCHORED TO BUILDING WOOD FRAME, GROUTED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS.

NOTES:

1) ALL DOOR OPENING SURROUNDING STRUCTURE TO BE DESIGNED BY REGISTERED ENGINEER OR ARCHITECT WITH DUE CONSIDERATION GIVEN TO INSTALLATIONS USING CENTER "HURRICANE" POSTS.

2) ALL DOOR OPENING STRUCTURE AND FASTENERS TO COMPLY WITH ALL APPLICABLE CODES INCLUDING SBCCI "STANDARD FOR HURRICANE RESISTANT RESIDENTIAL CONSTRUCTION: SSTD 10," CURRENT EDITION.

3) ALL FASTENERS TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, INSTRUCTIONS AND RECOMMENDATIONS.

4) WOOD FRAME BUILDINGS: STUDS AT EACH SIDE OF DOOR OPENING SHALL BE PROPERLY DESIGNED, CONNECTED, ANCHORED AND SHALL CONSIST OF A MINIMUM OF THREE (3) LAMINATIONS OF 2X6 PRESSURE TREATED SOUTHERN PINE (#2 GRADE OR BETTER) WALL STUDS CONTINUOUS FROM FOOTING TO DOUBLE TOP PLATE.

5) REINFORCED CMU OR CONCRETE: 2X6 WOOD JAMB SHALL BE ANCHORED TO SOLIDLY GROUTED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS. ANCHOR SPACING AND EMBEDMENT IS BASED ON CONCRETE MASONRY UNITS COMPLYING WITH ASTM C90 WITH A MINIMUM NET AREA COMPRESSIVE STRENGTH OF 2150 PSI; GROUT WITH A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI; REINFORCED CONCRETE COLUMNS WITH A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.

6) EMBEDMENTS LISTED ARE THE MINIMUM ALLOWABLE EMBEDMENTS.

7) ANCHORS FOR CONCRETE AND CONCRETE MASONRY UNITS (CMU) SHALL HAVE A MINIMUM 3" EDGE DISTANCE FROM ALL EDGES OF CONCRETE OR CONCRETE MASONRY UNITS. ANCHORS FOR CONCRETE AND CMU SHALL HAVE A MINIMUM SPACING OF 3-3/4"

8) LAG SCREWS SHALL BE CENTERED IN ONE OF THE 1-1/2" DIMENSION FACES OF THE TRIPLE 2X6 WALL STUDS.

9) WASHERS ARE REQUIRED ON ALL FASTENERS.

10) THE WIND LOAD VS. ANCHOR SPACING CHART IS FOR A MAXIMUM DOOR SIZE OF 18' X 8' AT A MAXIMUM 42 PSF DESIGN WIND LOAD.

11) FOR THE UPPER THREE INDIVIDUAL STEEL JAMB BRACKETS; BRACKETS SHALL BE CENTERED BETWEEN THE TWO CLOSEST 2X6 WOOD JAMB ANCHORS. IF THE STEEL JAMB BRACKET IS NOT CENTERED BETWEEN THE TWO CLOSEST 2X6 WOOD JAMB ANCHORS, ADD AN ADDITIONAL 2X6 WOOD JAMB ANCHOR NEAR THAT STEEL BRACKET TO INSURE THAT THE LOAD FROM THE STEEL BRACKET IS EQUALLY TRANSFERRED TO TWO WOOD JAMB ANCHORS.

GADCO GENERAL AMERICAN DOOR COMPANY
5050 BASELINE ROAD
MONTGOMERY, IL 60538

SCALE: NONE | DRAWN BY: DV
DATE: 6-30-99
DESCRIPTION: JAMB TO STRUCTURE ATTACHMENT FOR WIND LOADED GARAGE DOORS
A10560

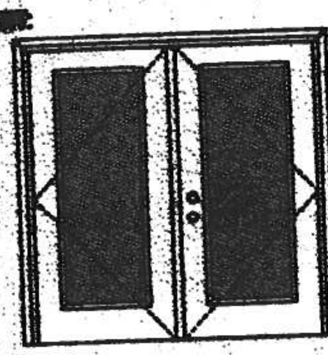
XX

Glazed O[illegible]swing Unit

MAD-WL-MA0162-02

WOOD-EDGE STEEL DOORS

APPROVE[illegible] ARRANGEMENT:



Note:
Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

Double Door
Maximum unit size = 6'0" x 6'8"

Design Pressure

+40.5/-40.5

Limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

[illegible] ASSEMBLY DETAIL:

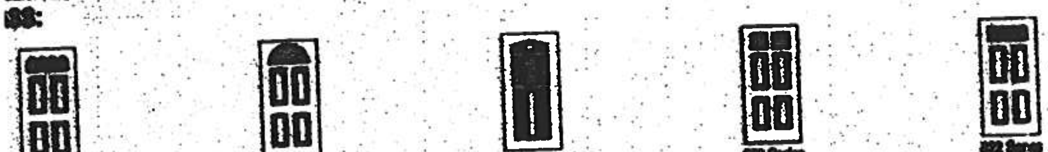
Compliance requires that minimum assembly details have been followed -- see MAD-WL-MA0012-02 and MAD-WL-MA0041-02.

[illegible] INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed -- see MID-WL-MA0002-02.

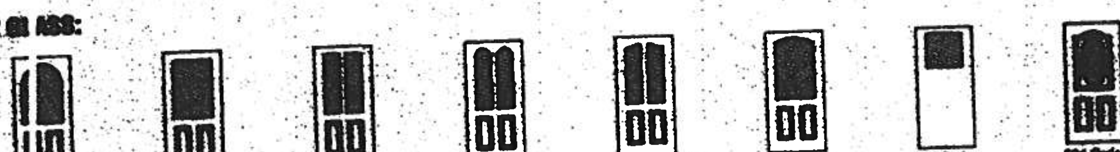
APPRO[illegible] DOOR STYLES:

1/4 GL[illegible]SS:



1[illegible] Series, 12[illegible], 125 Series, 126 Series, 4[illegible] Series, 3[illegible] Series

1/2 GL[illegible]SS:



1[illegible] Series*, 106, 1[illegible] Series*, 1[illegible] Series*, 200 Series*, 12 RL, 22 RL, 24 RL Series*, 107 Series*, 10[illegible] Series, 204 Series

*This gl[illegible] kit may also be used in the following door styles: 6-panel; 6-panel with scroll; Eyebrow 6-panel; Eyebrow 6-panel with scroll.

Johnson EntrySystems

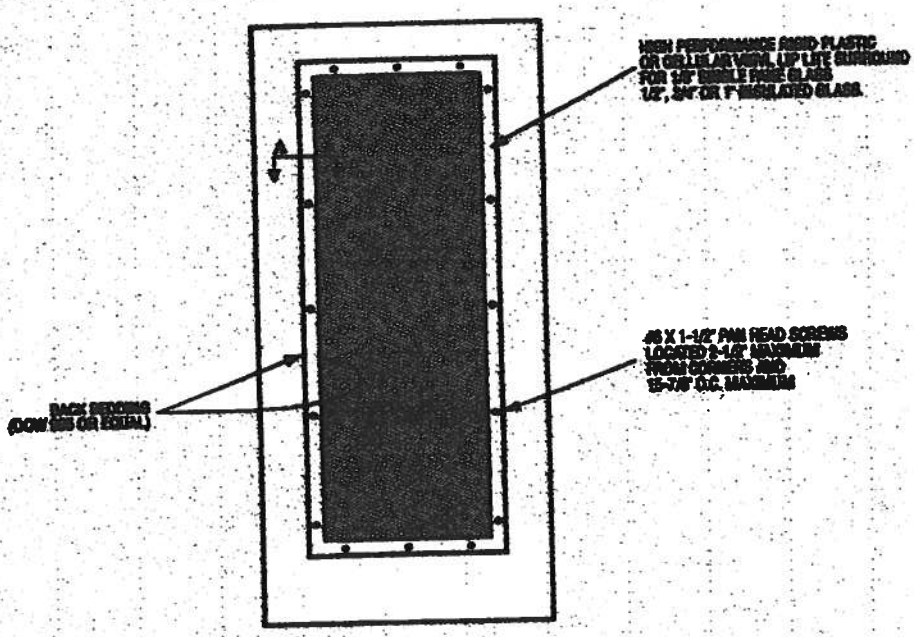
March 1[illegible], 2002
Due to [illegible] program of product improvements, specifications, design and product [illegible] subject to change without notice.

PREMDOR

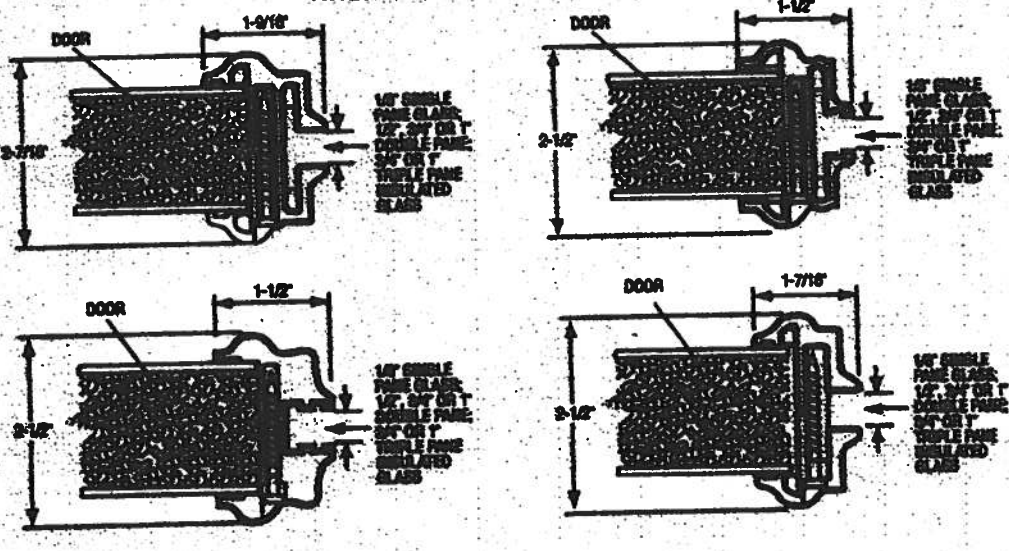
Exclusively from Masonite

Masonite International Corporation

GLASS INSERT IN DOOR OR SIDELITE PANEL



SECTION A-A
TYPICAL RIGID PLASTIC LIP LITE SURROUND



CCP-XX-J[illegible]02-02

XX
Glazed Outswing Unit

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

3/4 GLASS: **FULL GLASS:**

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1864-5, 6, 7, 8; NCTL 210-2178-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum bumper threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

State of Florida, Professional Engineer
Kurt Balthazor, P.E. – License Number 56533

Johnson EntrySystems

March 2 , 2002

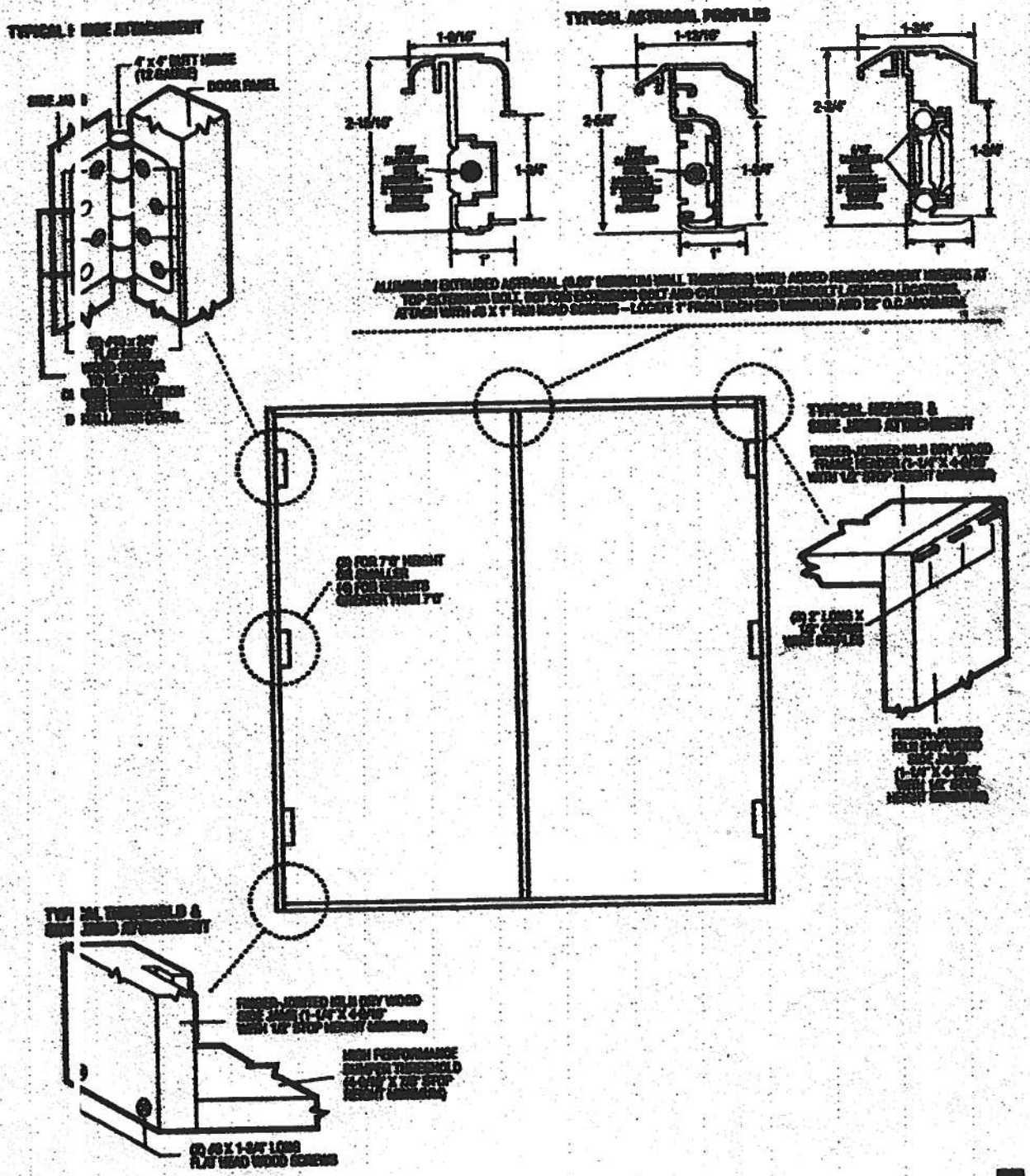
Our continuing program of product improvement makes specifications, design and product details subject to change without notice.

PREMDOOR Collection
Premium Quality Doors

Exclusively from Masonite
Masonite International Corporation

XX
Unit

OUTSWING UNITS WITH DOUBLE DOOR

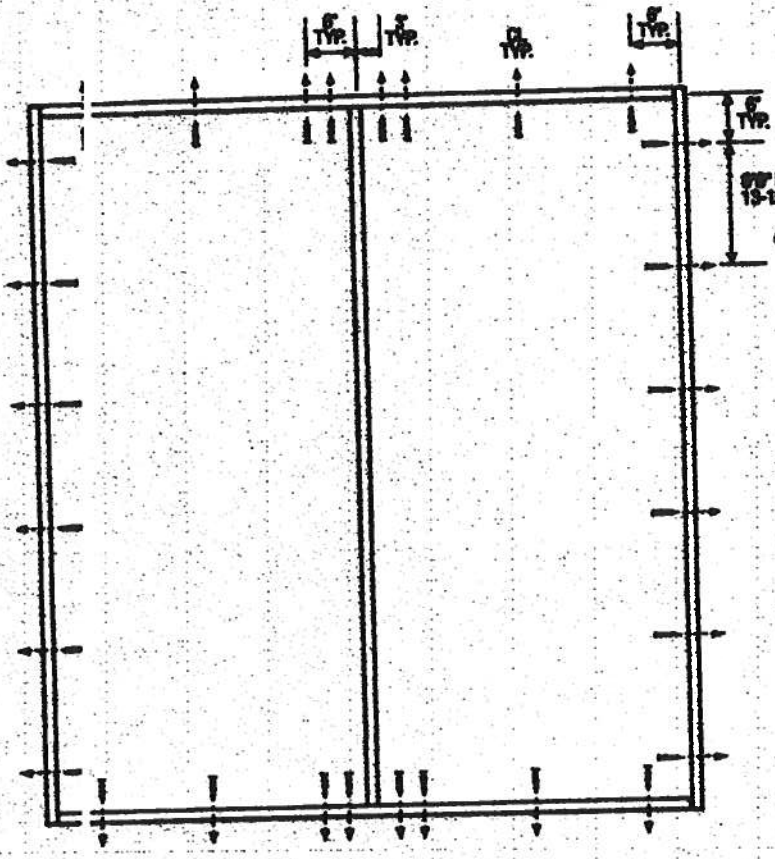


PREMDOR
Masonite
Exclusively from
Masonite International Corporation

XX
Unit

[redacted]

DOUBLE DOOR



[redacted]

- 6 per vertical framing member
- 8 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Latching Hardware:

- Compliance requires that GRADE 2 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.

Notes:

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Fasteners approved for this unit include #8 and #10 wood screws or 3/16" Tapcons.
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade Country approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

[redacted]

FLORIDA DEPARTMENT OF
Community Affairs

Product Approval
USER: Public User

FL #	FL5108
Application Type	New
Code Version	2004
Application Status	Approved
Comments	
Archived	☐
Product Manufacturer	MI Windows and Doors
Address/Phone/Email	650 W Market St Gratz, PA 17030 (717) 365-3300 ext 2101 surich@miwd.com
Authorized Signature	Steven Urich surich@miwd.com
Technical Representative Address/Phone/Email	
Quality Assurance Representative Address/Phone/Email	

Windows

A · L · I

(Validator / Operations Administrator)

AAMA
CERTIFICATION PROGRAM

AUTHORIZATION FOR PRODUCT CERTIFICATION

MI Windows & Doors, Inc.
P.O. Box 370
Gratz, PA 17030-0370

Attn: Bill Emley

The product described below is hereby approved for listing in the next issue of the AAMA Certified Products Directory. The approval is based on successful completion of tests, and the reporting to the Administrator of the results of tests, accompanied by related drawings, by an AAMA Accredited Laboratory.

1. The listing below will be added to the next published AAMA Certified Products Directory.

SPECIFICATION	RECORD OF PRODUCT TESTED				LABEL ORDER NO.
AAMA/NWWDA 101/I.S. 2-97 H-R55*-38x82					
COMPANY AND PLANT LOCATION	CODE NO.	SERIES MODEL & PRODUCT DESCRIPTION	MAXIMUM SIZE TESTED		
			FRAME	SASH	
MI Windows & Doors, Inc. (Oldsmar, FL) MI Windows & Doors, Inc. (Smyrna, TN)	MTL-8 MTL-9	185/3185 SH (Fix) (AL)(OD)(DG) (ASTM)	3'0" x 5'2"	2'10" x 2'7"	By Request

2. This Certification will expire May 14, 2006 and requires validation until then by continued listing in the current AAMA Certified Products Directory.

3. Product Tested and Reported by: Architectural Testing, Inc.

   Report No.: 01-50360.02

   Date of Report: June 14, 2004

NOTE: PLEASE REVIEW, AND ADVISE ALI IMMEDIATELY IF DATA, AS SHOWN, NEEDS CORRECTION.

Date: August 1, 2005

Validated for Certification:

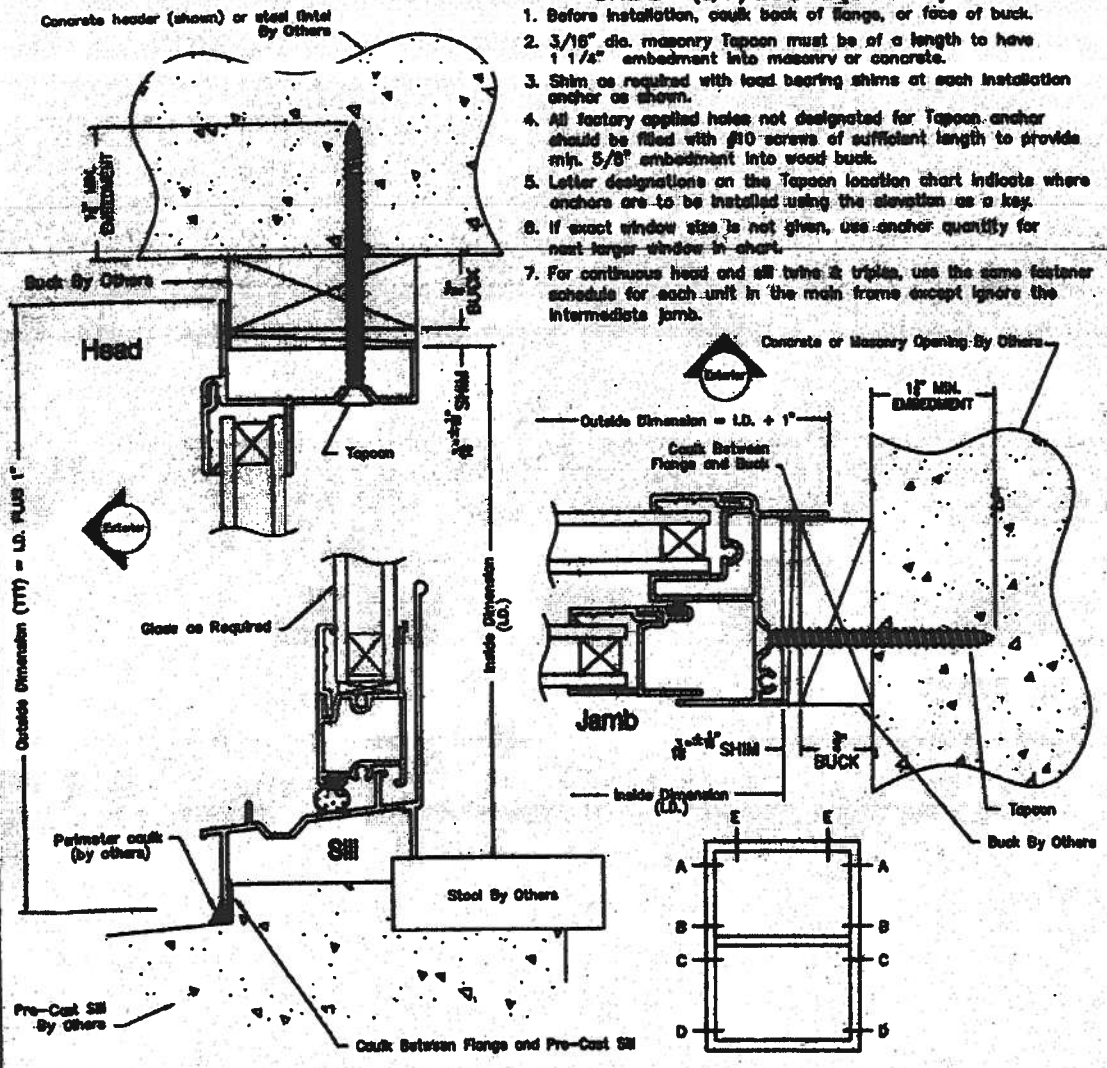
Associated Laboratories, Inc.

Authorized for Certification:

American Architectural Manufacturers Association

cc: AAMA
JGS/df
ACP-04 (Rev. 5/03)

"ONE BY" (3/4") BUCKS (SHOWN)



1. Before installation, caulk back of flange, or face of buck.
2. 3/16" dia. masonry Tapoon must be of a length to have 1 1/4" embedment into masonry or concrete.
3. Shim as required with load bearing shims at each installation anchor as shown.
4. All factory applied holes not designated for Tapoon anchor should be filled with #10 screws of sufficient length to provide min. 5/8" embedment into wood buck.
5. Letter designations on the Tapoon location chart indicate where anchors are to be installed using the elevation as a key.
6. If exact window size is not given, use anchor quantity for next larger window in chart.
7. For continuous head and sill twins & triples, use the same fastener schedule for each unit in the main frame except ignore the intermediate jamb.

*"TAPCON" TYPE HARDENED MASONRY SCREWS INCLUDE TAPCON, RAWL, & SIMPSON

"TWO BY" (1 1/2") BUCKS

"TWO BY" bucks are engineered and fastened to the masonry opening BY OTHERS.

Follow the same specifications and fastener requirements for "one by" bucks except use #10 screws of sufficient length for 1 1/4" minimum embedment into buck.

MI HOME PRODUCTS
Betterbilt / Capitol

* TAPCON LOCATION CHART

CHART SIZE	WINDOW ID SIZE	FASTENER LOCATIONS: UP TO QTR5	QTR5.1 TO QTR10	QTR10.1 TO QTR13
12	15 1/8 x 35	A, D & E	A, D & E	A, D & E
13	15 1/8 x 47 5/8	A, D & E	A, D & E	A, D & E
14	15 1/8 x 59 5/8	A, D & E	A, D & E	A, D & E
15	15 1/8 x 83	A, D & E	A, D & E	A, D & E
16	15 1/8 x 71	A, D & E	A, D & E	A, D & E
17	15 1/8 x 83	A, D & E	A, D & E	A, D & E
1/2 32	25 1/2 x 25	A, D & E	A, D & E	A, D & E
1/2 33	25 1/2 x 37 3/8	A, D & E	A, D & E	A, D & E
1/2 34	25 1/2 x 49 5/8	A, D & E	A, D & E	A, D & E
1/2 35	25 1/2 x 83	A, D & E	A, D & E	A, D & E
1/2 36	25 1/2 x 71	A, D & E	A, D & E	A, D & E
1/2 37	25 1/2 x 83	A, D & E	A, C, D & E	A, C, D & E
22	35 x 25	A, D & E	A, D & E	A, D & E
23	35 x 37 3/8	A, D & E	A, D & E	A, D & E
24	35 x 49 5/8	A, D & E	A, D & E	A, D & E
25	35 x 83	A, D & E	A, D & E	A, D & E
26	35 x 71	A, D & E	A, D & E	A, C, D & E
27	35 x 83	A, D & E	A, C, D & E	A, C, D & E
32	52 1/8 x 25	A, D & E	A, D & E	A, D & E
33	52 1/8 x 37 3/8	A, D & E	A, D & E	A, D & E
34	52 1/8 x 49 5/8	A, D & E	A, D & E	A, D & E
35	52 1/8 x 83	A, D & E	A, C, D & E	A, C, D & E
36	52 1/8 x 71	A, D & E	A, C, D & E	A, B, C, D & E
37	52 1/8 x 83	A, D & E	A, C, D & E	A, B, C, D & E
2040	23 3/8 x 47 5/8	A, D & E	A, D & E	A, D & E
2060	23 3/8 x 59 5/8	A, D & E	A, D & E	A, D & E
2080	23 3/8 x 71 5/8	A, D & E	A, D & E	A, D & E
2070	23 3/8 x 83 5/8	A, D & E	A, D & E	A, D & E
3560	35 3/8 x 59 5/8	A, D & E	A, D & E	A, D & E
3080	35 3/8 x 71 5/8	A, D & E	A, D & E	A, C, D & E
3070	35 3/8 x 83 5/8	A, D & E	A, C, D & E	A, C, D & E
4040	47 3/8 x 47 5/8	A, D & E	A, D & E	A, D & E
4060	47 3/8 x 59 5/8	A, D & E	A, D & E	A, C, D & E
4080	47 3/8 x 71 5/8	A, D & E	A, C, D & E	A, C, D & E
4070	47 3/8 x 83 5/8	A, D & E	A, C, D & E	A, B, C, D & E
4460	51 3/8 x 59 5/8	A, D & E	A, D & E	A, C, D & E
4480	51 3/8 x 71 5/8	A, D & E	A, C, D & E	A, B, C, D & E
4470	51 3/8 x 83 5/8	A, D & E	A, C, D & E	A, B, C, D & E

MI HOME PRODUCTS
GRATZ, PA

185/3185 SINGLE HUNG FLANGE FRAME
INSTALLATION DETAILS & FASTENER SCHEDULE

DRL	08/19/04
N.T.S.	MHP0059
A	1 OF 1

Residential System Sizing Calculation

Summary

S ec House
La e City, FL 2025-

Project Title:
Adam's Framing & Const. - Lot 13

Code Only
Professional Version
Climate: North

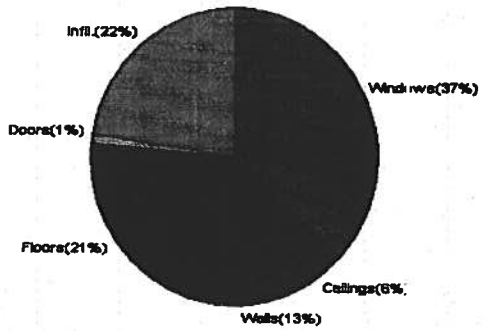
3/26/2007

L	cation for v eather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)				
H	imidity data : Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)				
V	nter desigr temperature	33	F	Summer design temperature	92 F
V	nter setpoi nt	70	F	Summer setpoint	75 F
V	nter tempe erature difference	37	F	Summer temperature difference	17 F
T	tal heating load calculation	43049	Btuh	**Total cooling load calculation**	**47381 Btuh**
S	bmitted he ting capacity	% of calc	Btuh	Submitted cooling capacity	% of calc Btuh
T	tal (Electric Heat Pump)	118.5	51000	Sensible (SHR = 0.75)	99.9 38250
H	at Pump + Auxiliary(0.0kW)	118.5	51000	Latent	140.1 12750
				Total (Electric Heat Pump)	107.6 51000

WINTER CALCULATIONS

V nter Heating Load (for 1954 sqft)

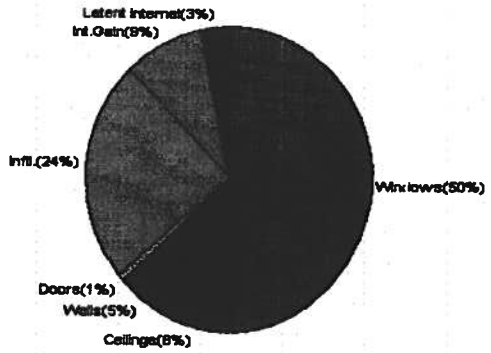
L	ad compone nt			Load	
V	ndow total	337	sqft	15850	Btuh
V	ll total	1646	sqft	5405	Btuh
D	or total	38	sqft	492	Btuh
C	iling total	2200	sqft	2592	Btuh
F	or total	211	sqft	9212	Btuh
Ir	ltration	234	cfm	9498	Btuh
D	ct loss			0	Btuh
S	btotal			43049	Btuh
V	ntilation	0	cfm	0	Btuh
T	TAL HEAT .OSS			43049	Btuh



SUMMER CALCULATIONS

S nmer Cooli g Load (for 1954 sqft)

L	ad compone nt			Load	
W	ndow total	337	sqft	23726	Btuh
W	ll total	1646	sqft	2483	Btuh
D	or total	38	sqft	372	Btuh
C	ling total	2200	sqft	3643	Btuh
F	or total			0	Btuh
In	tration	205	cfm	3818	Btuh
In	rnal gain			4240	Btuh
D	t gain			0	Btuh
S	s. Ventilatic n	0	cfm	0	Btuh
T	al sensible gain			38283	Btuh
La	ent gain(duc s)			0	Btuh
La	ent gain(infil ration)			7498	Btuh
La	ent gain(ven ilation)			0	Btuh
La	ent gain(inte nal/occupants/other)			1600	Btuh
T	al latent ga n			9098	Btuh
T	TAL HEAT GAIN			47381	Btuh



For Florida residences only

EnergyGauge® System Sizing
PREPARED BY: _____
DATE: 3-26-07

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

S ec House | Project Title: Adam's Framing & Const. - Lot 13 | Code Only

L: ce City, FL 32025- | Professional Version

R ference Cit : Gainesville (Defaults) Winter Temperature Difference: 37.0 F | Climate: North | 3/26/2007

mponent Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	1, Clear, Metal, 1.27	W	72.0	47.0	3383 Btuh
2	1, Clear, Metal, 1.27	W	72.0	47.0	3383 Btuh
3	1, Clear, Metal, 1.27	S	20.0	47.0	940 Btuh
4	1, Clear, Metal, 1.27	W	30.0	47.0	1410 Btuh
5	1, Clear, Metal, 1.27	N	24.0	47.0	1128 Btuh
6	1, Clear, Metal, 1.27	N	16.0	47.0	752 Btuh
7	1, Clear, Metal, 1.27	E	36.0	47.0	1692 Btuh
8	1, Clear, Metal, 1.27	E	13.3	47.0	625 Btuh
9	1, Clear, Metal, 1.27	E	36.0	47.0	1692 Btuh
10	1, Clear, Metal, 1.27	S	18.0	47.0	846 Btuh
	Window Total		337(sqft)		15850 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Adj(0.09)	13.0	1472	3.3	4833 Btuh
2	Frame - Wood - Adj(0.09)	13.0	174	3.3	571 Btuh
	Wall Total		1646		5405 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		18	12.9	233 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		38		492Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2200	1.2	2592 Btuh
	Ceiling Total		2200		2592Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	211.0 ft(p)	43.7	9212 Btuh
	Floor Total		211		9212 Btuh
			Zone Envelope Subtotal:		33551 Btuh
nfiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.80	17586	234.5	9498 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
one #1			**Sensible Zone Subtotal**		**43049 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

S ec House
L: ce City, FL 32025-

Project Title:
Adam's Framing & Const. - Lot 13

Code Only
Professional Version
Climate: North

3/26/2007

IGLE HOU E TOTALS

	Subtotal Sensible	43049 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	43049 Btuh

Ke : Window type s (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)

Ke : Floor size (p erimeter(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

S ec House | Project Title: Adam's Framing & Const. - Lot 13 | Code Only Professional Version

L: ce City, FL 32025- | Climate: North

R ference Cit : Gainesville (Defaults) Winter Temperature Difference: 37.0 F | 3/26/2007

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	1, Clear, Metal, 1.27	W	72.0	47.0	3383 Btuh
2	1, Clear, Metal, 1.27	W	72.0	47.0	3383 Btuh
3	1, Clear, Metal, 1.27	S	20.0	47.0	940 Btuh
4	1, Clear, Metal, 1.27	W	30.0	47.0	1410 Btuh
5	1, Clear, Metal, 1.27	N	24.0	47.0	1128 Btuh
6	1, Clear, Metal, 1.27	N	16.0	47.0	752 Btuh
7	1, Clear, Metal, 1.27	E	36.0	47.0	1692 Btuh
8	1, Clear, Metal, 1.27	E	13.3	47.0	625 Btuh
9	1, Clear, Metal, 1.27	E	36.0	47.0	1692 Btuh
10	1, Clear, Metal, 1.27	S	18.0	47.0	846 Btuh
	Window Total		337(sqft)		15850 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Adj(0.09)	13.0	1472	3.3	4833 Btuh
2	Frame - Wood - Adj(0.09)	13.0	174	3.3	571 Btuh
	Wall Total		1646		5405 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		18	12.9	233 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		38		492Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2200	1.2	2592 Btuh
	Ceiling Total		2200		2592Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	211.0 ft(p)	43.7	9212 Btuh
	Floor Total		211		9212 Btuh
			Zone Envelope Subtotal:		33551 Btuh
nfiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.80	17586	234.5	9498 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
:one #1			**Sensible Zone Subtotal**		**43049 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

S ec House | Project Title: Adam's Framing & Const. - Lot 13 | Code Only Professional Version

L: e City, FL 32025- | Climate: North

3/26/2007

WHOLE HOUSE TOTALS

Subtotal Sensible		43049 Btuh
Ventilation Sensible		0 Btuh
Total Btuh Loss		43049 Btuh

Ke : Window type s (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)

Ke : Floor size (p rimeter(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

Sp ic House | Project Title: Adam's Framing & Const. - Lot 13 | Code Only Professional Version

La e City, FL 2025- | Climate: North

Re erence City: Gainesville (Defaults) | Summer Temperature Difference: 17.0 F | 3/26/2007

Component Loads for Whole House

		Type*		Overhang		Window Area(sqft)			HTM		Load
	Window	P /SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
	1	1, Clear, 1.27, None,N,N	W	1.5ft	9ft.	72.0	0.0	72.0	37	94	6771 Btuh
	2	1, Clear, 1.27, None,N,N	W	11.5f	11ft.	72.0	54.5	17.5	37	94	3685 Btuh
	3	1, Clear, 1.27, None,N,N	S	17.5f	11ft.	20.0	20.0	0.0	37	43	749 Btuh
	4	1, Clear, 1.27, None,N,N	W	5.5ft	11ft.	30.0	0.0	30.0	37	94	2821 Btuh
	5	1, Clear, 1.27, None,N,N	N	1.5ft	9ft.	24.0	0.0	24.0	37	37	899 Btuh
	6	1, Clear, 1.27, None,N,N	N	1.5ft	9ft.	16.0	0.0	16.0	37	37	599 Btuh
	7	1, Clear, 1.27, None,N,N	E	1.5ft	11ft.	36.0	0.0	36.0	37	94	3386 Btuh
	8	1, Clear, 1.27, None,N,N	E	10.5f	11ft.	13.3	8.7	4.6	37	94	756 Btuh
	9	1, Clear, 1.27, None,N,N	E	1.5ft	9ft.	36.0	0.0	36.0	37	94	3386 Btuh
	10	1, Clear, 1.27, None,N,N	S	1.5ft	9ft.	18.0	18.0	0.0	37	43	674 Btuh
		Window Total				337 (sqft)					23726 Btuh
	Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load
	1	Frame - Wood - Adj		13.0/0.09		1471.7			1.5		2221 Btuh
	2	Frame - Wood - Adj		13.0/0.09		174.0			1.5		263 Btuh
		Wall Total				1646 (sqft)					2483 Btuh
	Doors	Type				Area (sqft)			HTM		Load
	1	Insulated - Adjacent				18.0			9.8		176 Btuh
	2	Insulated - Exterior				20.0			9.8		196 Btuh
		Door Total				38 (sqft)					372 Btuh
	Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load
	1	Vented Attic/DarkShingle		30.0		2200.0			1.7		3643 Btuh
		Ceiling Total				2200 (sqft)					3643 Btuh
	Floors	Type		R-Value		Size			HTM		Load
	1	Slab On Grade		0.0		211 (ft(p))			0.0		0 Btuh
		Floor Total				211.0 (sqft)					0 Btuh
									Zone Envelope Subtotal:		30225 Btuh
	Infiltration	Type		ACH		Volume(cuft)			CFM=		Load
		SensibleNatural		0.70		17586			205.2		3818 Btuh
	Internal gain			Occupants		Btuh/occupant			Appliance		Load
				8		X 230	+		2400		4240 Btuh
	Duct load	Proposed leak free, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh
									Sensible Zone Load		**38283 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Sp :c House
La e City, FL : 2025-

Project Title:
Adam's Framing & Const. - Lot 13

Code Only
Professional Version
Climate: North

3/26/2007

W HOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	**38283**	**Btuh**
	Sensible Duct Load	0	Btuh
	Total Sensible Zone Loads	**38283**	**Btuh**
	Sensible ventilation	0	Btuh
	Blower	0	Btuh
Whc le House	**Total sensible gain**	**38283**	**Btuh**
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	7498	Btuh
	Latent ventilation gain	0	Btuh
	Latent duct gain	0	Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600	Btuh
	Latent other gain	0	Btuh
	Latent total gain	**9098**	**Btuh**
	TOTAL GAIN	**47381**	**Btuh**

*K : Window ty es (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

Sp c House | Project Title: Adam's Framing & Const. - Lot 13 | Code Only Professional Version

La e City, FL 2025- | Climate: North

Re erence City Gainesville (Defaults) | Summer Temperature Difference: 17.0 F | 3/26/2007

Component Loads for Zone #1: Main

	Type*		Overhang		Window Area(sqft)			HTM		Load
Window	P /SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	1, Clear, 1.27, None,N,N	W	1.5ft	9ft.	72.0	0.0	72.0	37	94	6771 Btuh
2	1, Clear, 1.27, None,N,N	W	11.5f	11ft.	72.0	54.5	17.5	37	94	3685 Btuh
3	1, Clear, 1.27, None,N,N	S	17.5f	11ft.	20.0	20.0	0.0	37	43	749 Btuh
4	1, Clear, 1.27, None,N,N	W	5.5ft	11ft.	30.0	0.0	30.0	37	94	2821 Btuh
5	1, Clear, 1.27, None,N,N	N	1.5ft	9ft.	24.0	0.0	24.0	37	37	899 Btuh
6	1, Clear, 1.27, None,N,N	N	1.5ft	9ft.	16.0	0.0	16.0	37	37	599 Btuh
7	1, Clear, 1.27, None,N,N	E	1.5ft	11ft.	36.0	0.0	36.0	37	94	3386 Btuh
8	1, Clear, 1.27, None,N,N	E	10.5f	11ft.	13.3	8.7	4.6	37	94	756 Btuh
9	1, Clear, 1.27, None,N,N	E	1.5ft	9ft.	36.0	0.0	36.0	37	94	3386 Btuh
10	1, Clear, 1.27, None,N,N	S	1.5ft	9ft.	18.0	18.0	0.0	37	43	674 Btuh
	Window Total				337 (sqft)					23726 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Adj	13.0/0.09	1471.7	1.5	2221 Btuh
2	Frame - Wood - Adj	13.0/0.09	174.0	1.5	263 Btuh
	Wall Total		1646 (sqft)		2483 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Adjacent	18.0	9.8	176 Btuh
2	Insulated - Exterior	20.0	9.8	196 Btuh
	Door Total	38 (sqft)		372 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	2200.0	1.7	3643 Btuh
	Ceiling Total		2200 (sqft)		3643 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	211 (ft(p))	0.0	0 Btuh
	Floor Total		211.0 (sqft)		0 Btuh

			Zone Envelope Subtotal:		30225 Btuh

Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.70	17586	205.2	3818 Btuh

Internal gain		Occupants	Btuh/occupant		Appliance	Load
		8	X 230	+	2400	4240 Btuh

Duct load	Proposed leak free, R6.0, Supply(Attic), Return(Attic)	DGM = 0.00	0.0 Btuh
		Sensible Zone Load	**38283 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

S ec House
La e City, FL 2025-

Project Title:
Adam's Framing & Const. - Lot 13

Code Only
Professional Version
Climate: North

3/26/2007

HOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	**38283**	**Btuh**
	Sensible Duct Load	0	Btuh
	Total Sensible Zone Loads	**38283**	**Btuh**
	Sensible ventilation	0	Btuh
	Blower	0	Btuh
Whole House	**Total sensible gain**	**38283**	**Btuh**
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	7498	Btuh
	Latent ventilation gain	0	Btuh
	Latent duct gain	0	Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600	Btuh
	Latent other gain	0	Btuh
	Latent total gain	**9098**	**Btuh**
	TOTAL GAIN	**47381**	**Btuh**

*K : 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

S ec House

La e City, FL 2025-

Project Title:
Adam's Framing & Const. - Lot 13

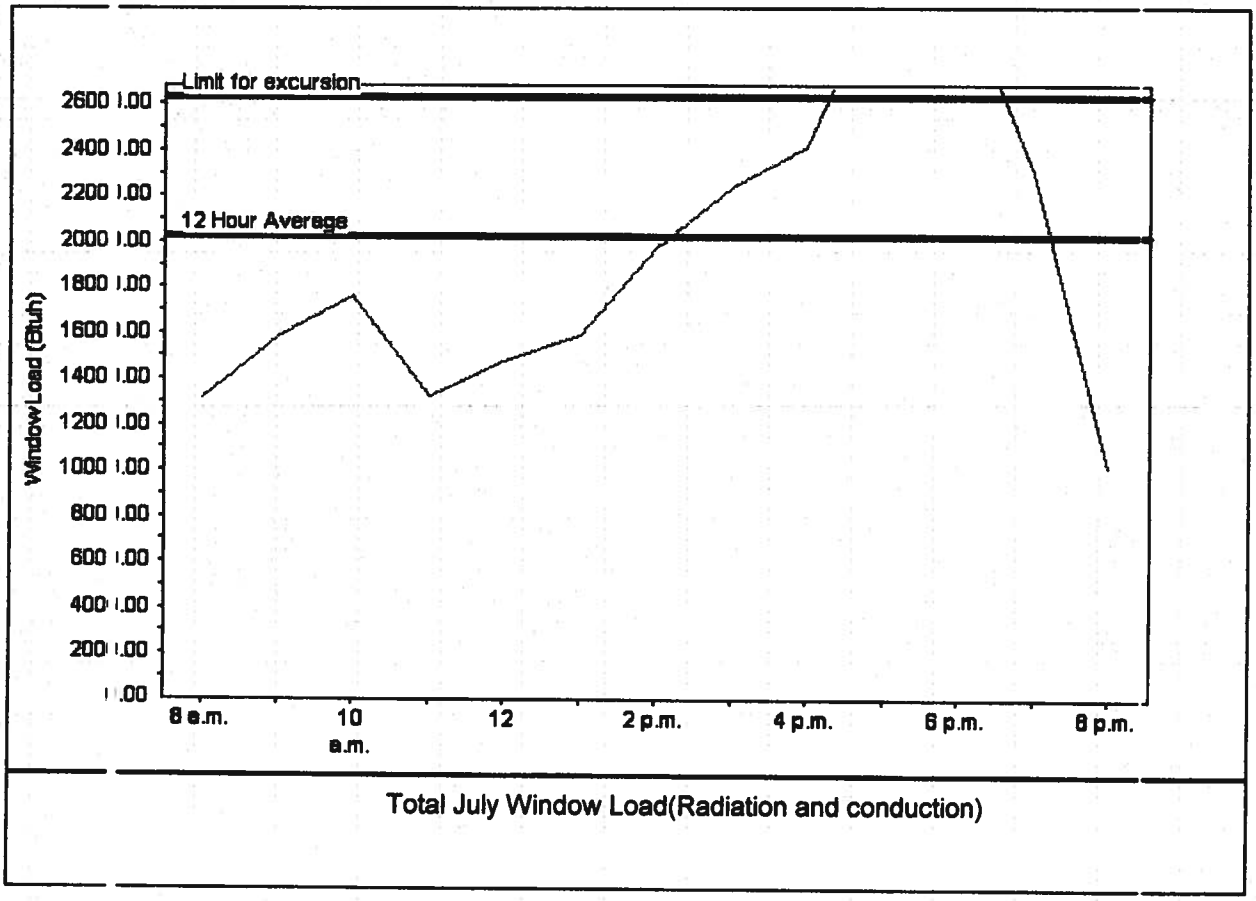
Code Only
Professional Version
Climate: North

3/26/2007

Weather data for: Gainesville - Defaults

Summe	design temperature	92 F	Average window load for July	20208 Btu
Summe	setpoint	75 F	Peak window load for July	31964 Btu
Summe	temperature difference	17 F	Excusion limit(130% of Ave.)	26271 Btu
Latitude		29 North	Window excursion (July)	5693 Btuh

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

This appli ation has glass areas that produce large heat gains for part of the day. Variable air volume devices are requir d 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: _____

DATE: _____

Project Information for:	L228645		
Builder:	ADAM'S FRAMING	Date:	2/28/2007
Lot:	LOT ~~14~~ 13 ROLLING MEADOWS	Start Number:	**1502**
Subdivision:	N/A	SEI Ref:	L228645
County or City:	COLUMBIA COUNTY		
Truss Page Count:	37		

Truss Design Load Information (UNO) Design Program: MiTek

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)

PAPKA, ADAM R. CBC1253409
Address: P.O. BOX 1921
LAKE CITY, FL 32056 Designer: **138**

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 Phone: 813-849-5769

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.
5. Where hangers are shown, Carried Member hanger capacity per Simpson C-2006 (SYP/Full Nailing Value) as an individual component. Building Designer shall verify the suitablity and use of Carrying Member hanger capacity.

#	Truss ID	Dwg. #	Seal Date	#	Truss ID	Dwg. #	Seal Date
1	CJ1	0228071502	2/28/2007				
2	CJ3	0228071503	2/28/2007				
3	CJ5	0228071504	2/28/2007				
4	CJ5A	0228071505	2/28/2007				
5	EJ7	0228071506	2/28/2007				
6	EJ7A	0228071507	2/28/2007				
7	HJ9	0228071508	2/28/2007				
8	HJ9A	0228071509	2/28/2007				
9	T01	0228071510	2/28/2007				
10	T02	0228071511	2/28/2007				
11	T03	0228071512	2/28/2007				
12	T04	0228071513	2/28/2007				
13	T05	0228071514	2/28/2007				
14	T06	0228071515	2/28/2007				
15	T08	0228071516	2/28/2007				
16	T09	0228071517	2/28/2007				
17	T10	0228071518	2/28/2007				
18	T11	0228071519	2/28/2007				
19	T12	0228071520	2/28/2007				
20	T13	0228071521	2/28/2007				
21	T14	0228071522	2/28/2007				
22	T15	0228071523	2/28/2007				
23	T16	0228071524	2/28/2007				
24	T20	0228071525	2/28/2007				
25	T21	0228071526	2/28/2007				
26	T22	0228071527	2/28/2007				
27	T23	0228071528	2/28/2007				
28	T23A	0228071529	2/28/2007				
29	T24	0228071530	2/28/2007				
30	T25G	0228071531	2/28/2007				
31	T26	0228071532	2/28/2007				
32	T26G	0228071533	2/28/2007				
33	T27	0228071534	2/28/2007				
34	T29G	0228071535	2/28/2007				
35	T30	0228071536	2/28/2007				
36	T30G	0228071537	2/28/2007				
37	T31	0228071538	2/28/2007				

FEB 2 8 2007

LATERAL TOE-NAIL DETAIL

ST-TOENAIL

NOTES:
1. TOE-NAILS SHALL BE DRIVEN AT AN ANGLE OF 30 DEGREES WITH THE MEMBER AND STARTED 1/3 THE LENGTH OF THE NAIL FROM THE MEMBER END AS SHOWN.
2. THE END DISTANCE, EDGE DISTANCE, AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID UNUSUAL SPLITTING OF THE WOOD.
3. ALLOWABLE VALUE SHALL BE THE LESSER VALUE OF THE BOTTOM CHORD SPECIES FOR MEMBERS OF DIFFERENT SPECIES.

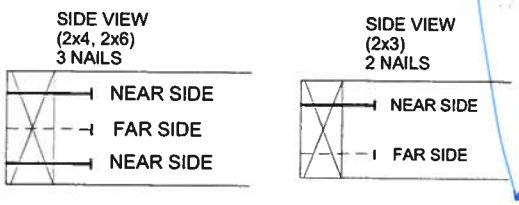
FEB 28 2007

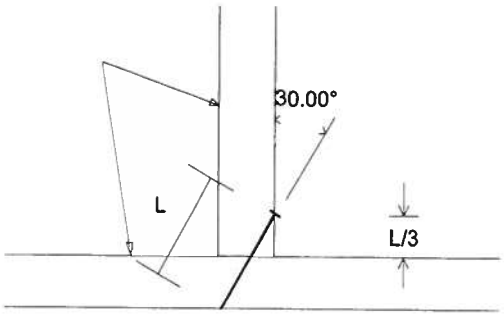
TOE-NAIL SINGLE SHEAR VALUES PER NDS 2001 (lb/nail)

	DIAM.	SYP
3.5" LONG	.131	83.3
	.135	89.6
	.162	118.3
3.25" LONG	.128	80.5
	.131	83.3
	.148	102.1
3.0" LONG	.120	70.5
	.128	80.5
	.131	83.3
	.148	102.1

VALUES SHOWN ARE CAPACITY PER TOE-NAIL.
APPLICABLE DURATION OF LOAD INCREASES MAY BE APPLIED.

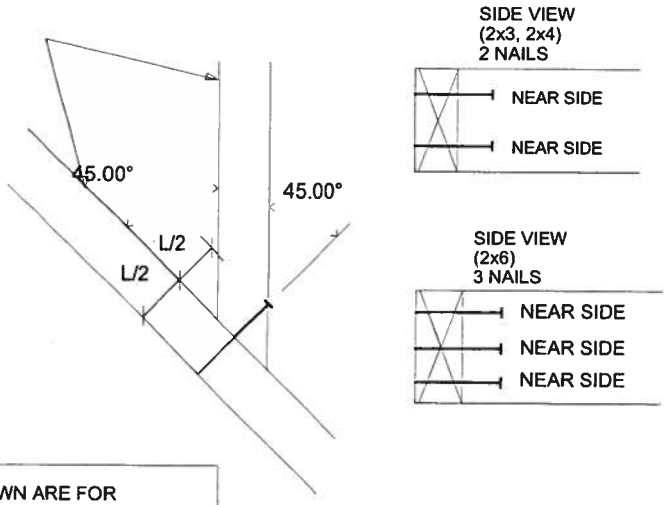
SQUARE CUT





45 DEGREE ANGLE BEVEL CUT

This detail may only be applied to Pre-engineered truss drawings signed and sealed by Structural Engineering and Inspections Inc.



VIEWS SHOWN ARE FOR ILLUSTRATION PURPOSES ONLY

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Change My Address
View Messages
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Term Glossary
Online Help

Licensee Details

Licensee Information

Name:	**PAPKA, ADAM RUSSELL (Primary Name)** **ADAM S FRAMING AND CONSTRUCTION LLC (DBA Name)**
Main Address:	**PO BOX 1921** **LAKE CITY Florida 32056**
County:	**COLUMBIA**
License Mailing:	
LicenseLocation:	

License Information

License Type:	**Certified Building Contractor**
Rank:	**Cert Building**
License Number:	**CBC1253409**
Status:	**Current,Active**
Licensure Date:	**09/26/2005**
Expires:	**08/31/2008**

Special Qualifications	**Qualification Effective**
Qualified Business License Required	**09/26/2005**

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Dwg.#0228071502

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	CJ1	JACK	8	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 27 16:30:46 2007 Page 1

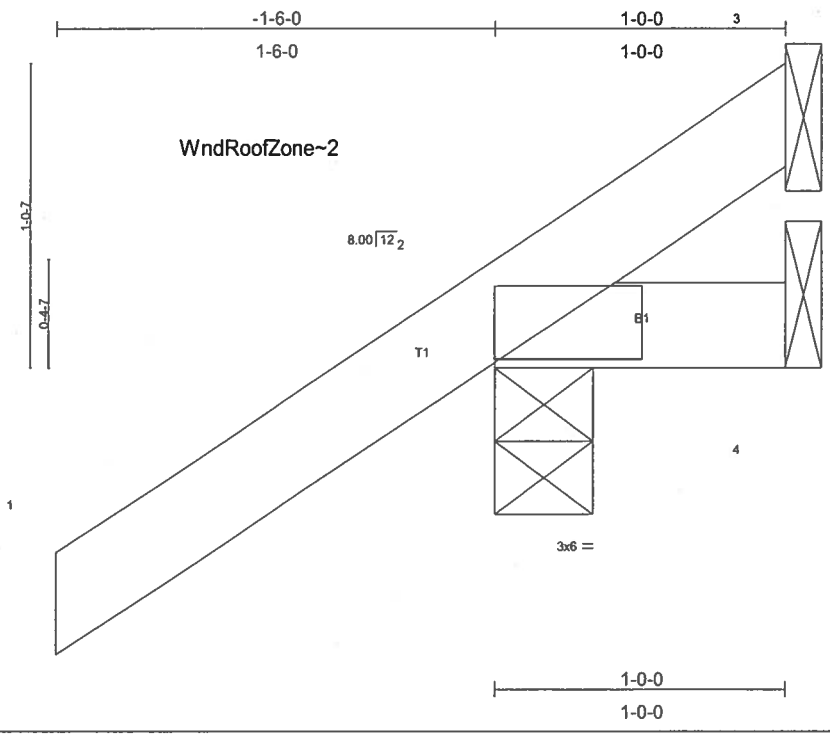


Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.16	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: 6 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=189/0-4-0, 4=14/Mechanical, 3=-41/Mechanical
Max Horz 2=94(load case 5)
Max Uplift2=-201(load case 5), 4=-11(load case 3), 3=-41(load case 1)
Max Grav 2=189(load case 1), 4=14(load case 1), 3=70(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-55/48
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; porch left and 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.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 201 lb uplift at joint 2, 11 lb uplift at joint 4 and 41 lb uplift at joint 3.

LOAD CASE(S) Standard

FEBRUARY 28,2007 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.#0228071503

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	CJ3	JACK	8	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 27 16:30:46 2007 Page 1

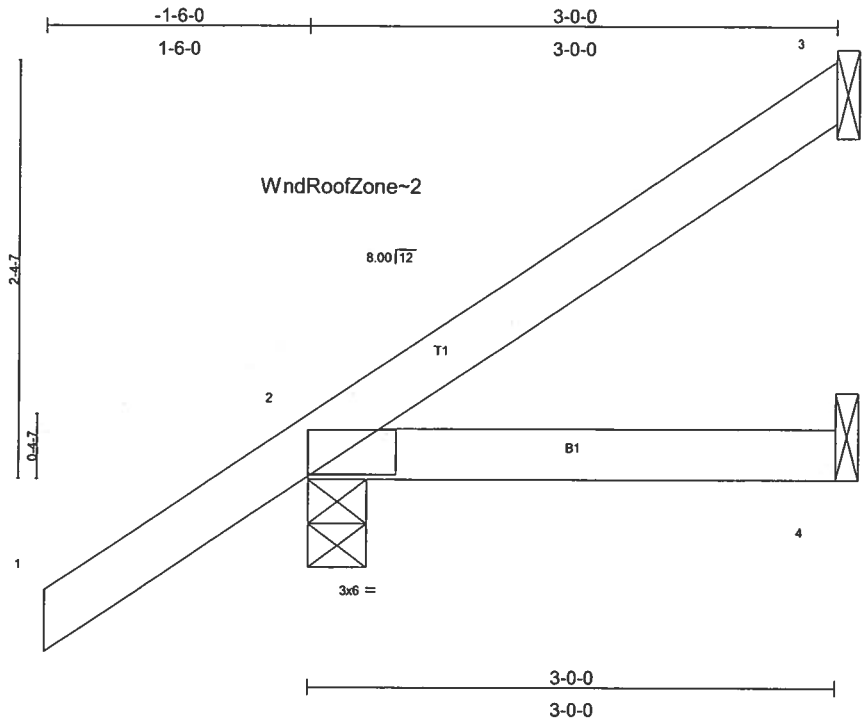


Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.18	Vert(LL)	0.01	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	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=48/Mechanical, 2=233/0-4-0, 4=42/Mechanical
Max Horz 2=154(load case 5)
Max Uplift3=-47(load case 5), 2=-177(load case 5), 4=-33(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-60/19
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; porch left and 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.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 47 lb uplift at joint 3, 177 lb uplift at joint 2 and 33 lb uplift at joint 4.

LOAD CASE(S) Standard

FEBRUARY 28,2007 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.#0228071504

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	CJ5	JACK	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 27 16:30:47 2007 Page 1

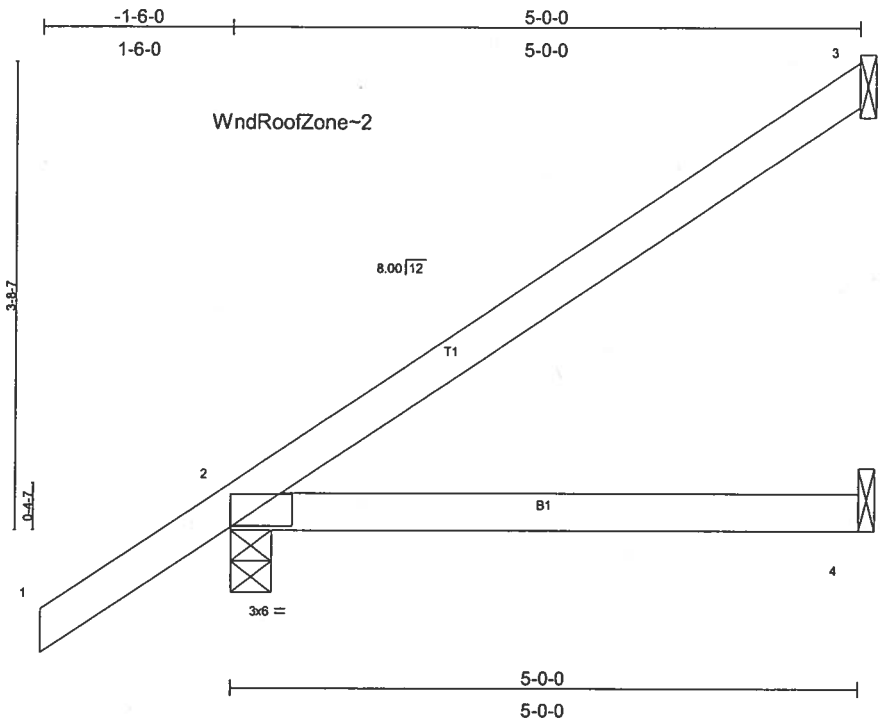


Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.22	Vert(LL)	0.09	2-4	>671	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.24	Vert(TL)	0.07	2-4	>784	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=113/Mechanical, 2=306/0-4-0, 4=72/Mechanical
Max Horz 2=215(load case 5)
Max Uplift3=-121(load case 5), 2=-198(load case 5), 4=-56(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-100/50
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; porch left and 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.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 121 lb uplift at joint 3, 198 lb uplift at joint 2 and 56 lb uplift at joint 4.

LOAD CASE(S) Standard

FEBRUARY 28,2007 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.#0228071505

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	CJ5A	SPECIAL	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 27 16:30:48 2007 Page 1

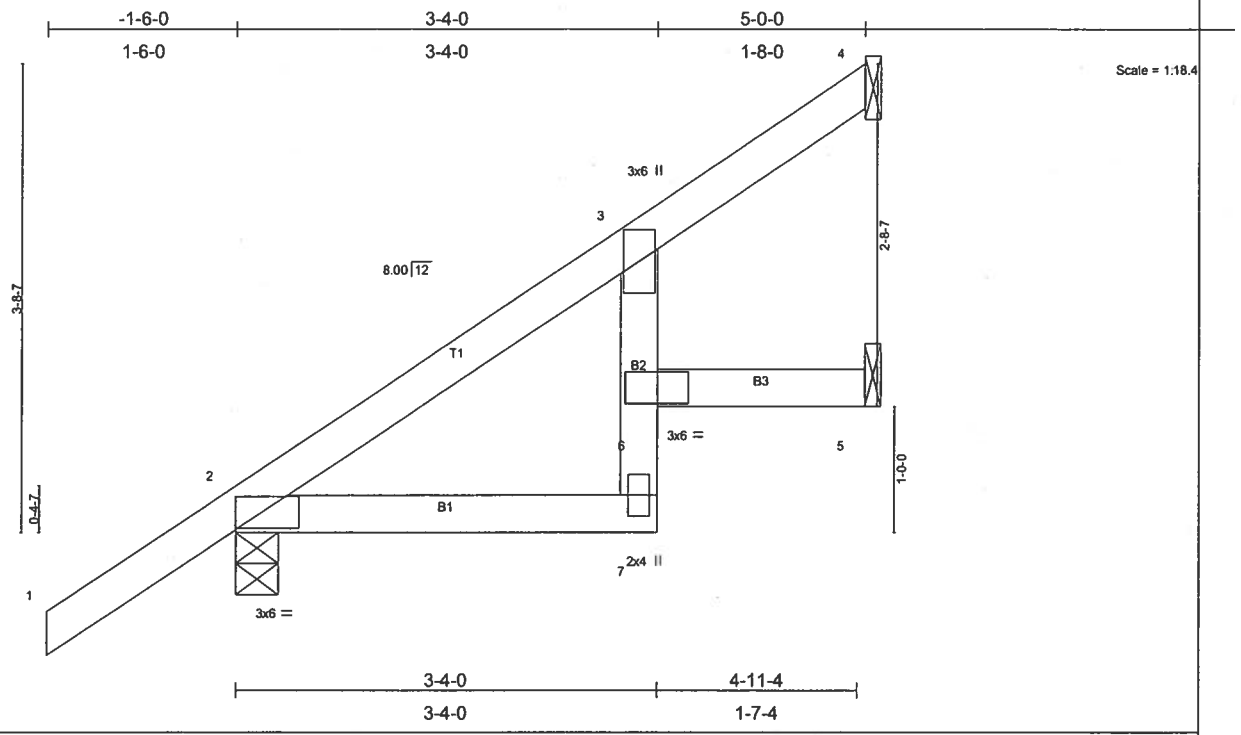


Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.18	Vert(LL)	-0.02	6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.27	Vert(TL)	-0.02	6	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 22 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3

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) 4=87/Mechanical, 2=306/0-4-0, 5=98/Mechanical
Max Horz 2=215(load case 5)
Max Uplift4=-67(load case 5), 2=-138(load case 5), 5=-40(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-190/0, 3-4=-45/43
BOT CHORD 2-7=-55/108, 6-7=0/50, 3-6=0/65, 5-6=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 Interior(1) 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 67 lb uplift at joint 4, 138 lb uplift at joint 2 and 40 lb uplift at joint 5.

LOAD CASE(S) Standard

FEBRUARY 28,2007 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.#0228071506

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	EJ7	JACK	30	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 27 16:30:48 2007 Page 1

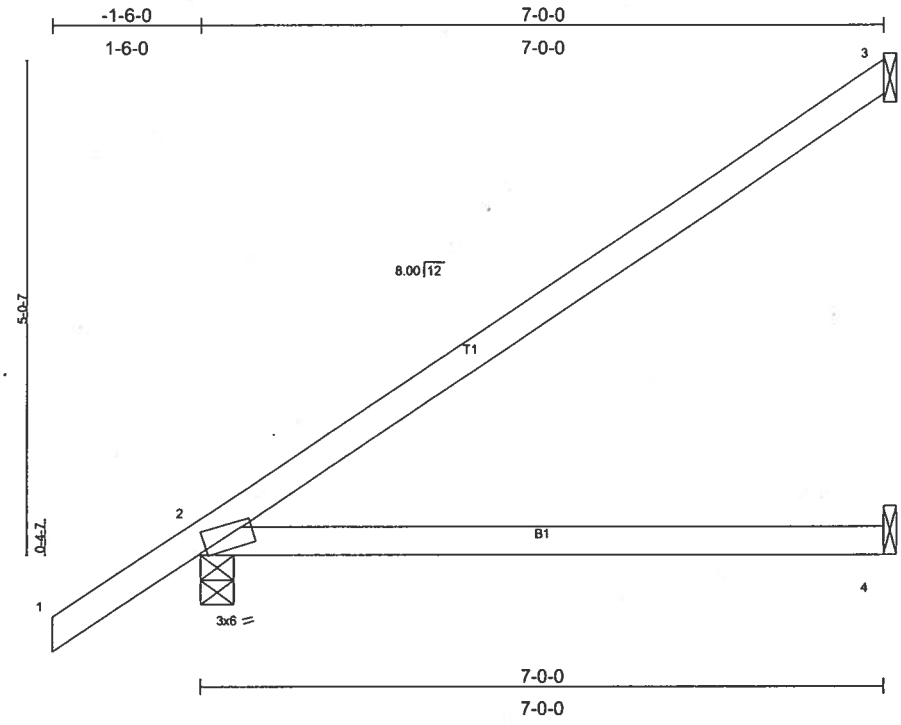


Plate Offsets (X,Y): [2:0-0-12,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.45	Vert(LL)	-0.14	2-4	>599	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.38	Vert(TL)	-0.22	2-4	>362	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=164/Mechanical, 2=385/0-4-0, 4=109/Mechanical
Max Horz 2=277(load case 5)
Max Uplift3=-165(load case 5), 2=-142(load case 5), 4=-1(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-126/73
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 Interior(1) 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 165 lb uplift at joint 3, 142 lb uplift at joint 2 and 1 lb uplift at joint 4.

LOAD CASE(S) Standard

FEBRUARY 28,2007 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.#0228071507

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	EJ7A	SPECIAL	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 27 16:30:49 2007 Page 1

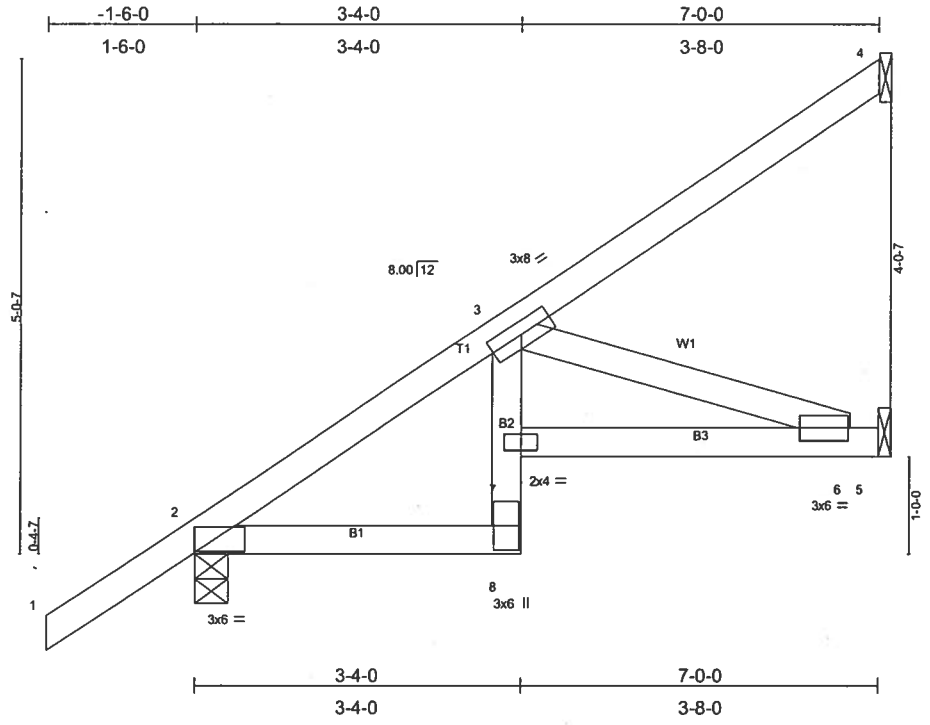


Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.17	Vert(LL)	-0.02	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.63	Vert(TL)	-0.04	6-7	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.13	Horz(TL)	0.02	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 34 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3
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=81/Mechanical, 2=385/0-4-0, 5=192/Mechanical
Max Horz 2=277(load case 5)
Max Uplift4=-87(load case 5), 2=-142(load case 5), 5=-79(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-347/0, 3-4=-67/34
BOT CHORD 2-8=-135/230, 7-8=-2/69, 3-7=0/136, 6-7=-264/437, 5-6=0/0
WEBS 3-6=-461/278

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 Interior(1) 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 87 lb uplift at joint 4, 142 lb uplift at joint 2 and 79 lb uplift at joint 5.

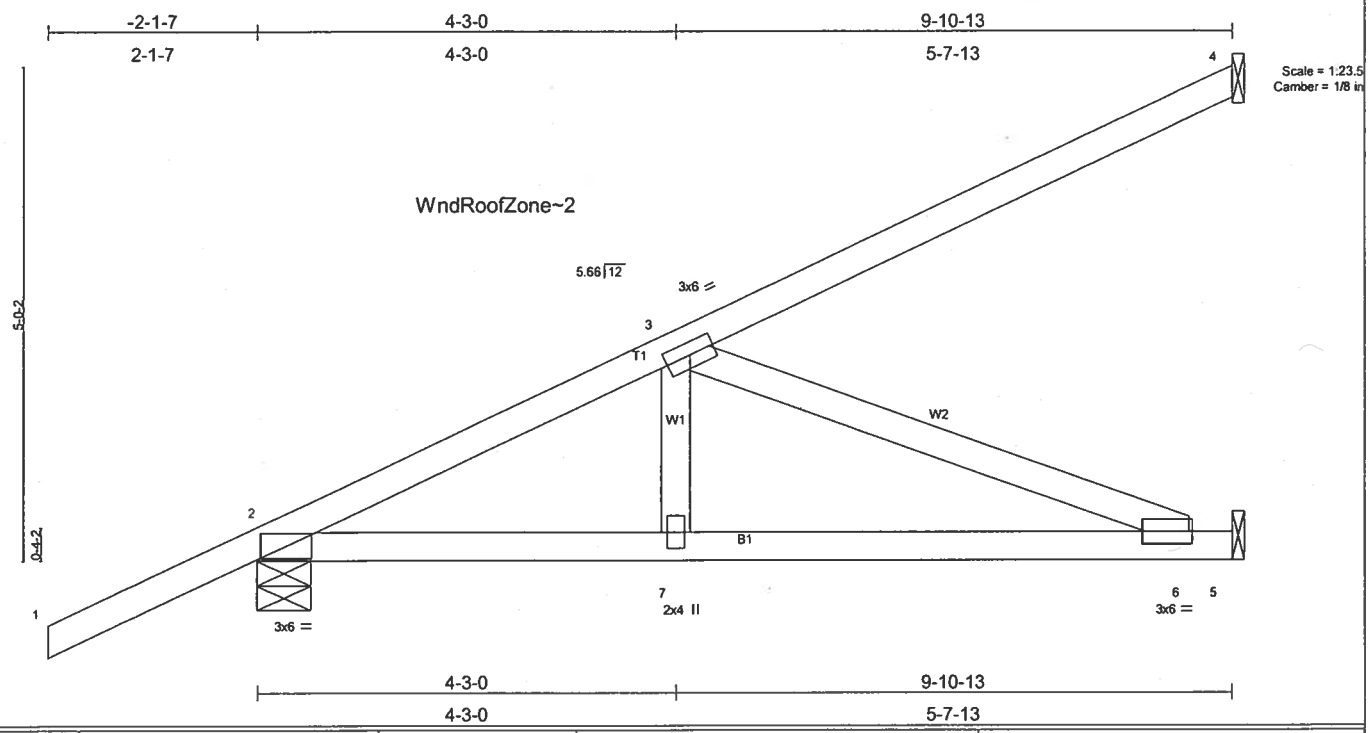
LOAD CASE(S) Standard

FEBRUARY 28,2007 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.#0228071508

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	HJ9	MONO TRUSS	3	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 27 16:30:50 2007 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	0.33	Vert(LL)	0.22	6-7	>512	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.85	Vert(TL)	-0.31	6-7	>368	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.39	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.1D
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 9-3-2 oc bracing.

REACTIONS (lb/size) 4=10/Mechanical, 2=477/0-6-7, 5=637/Mechanical
Max Horz 2=-155(load case 7)
Max Uplift2=-402(load case 4), 5=-392(load case 4)
Max Grav 4=95(load case 7), 2=477(load case 1), 5=637(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-733/462, 3-4=0/41
BOT CHORD 2-7=-355/634, 6-7=-355/634, 5-6=0/0
WEBS 3-7=-465/627, 3-6=-681/381

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; porch left and right exposed; 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 402 lb uplift at joint 2 and 392 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).

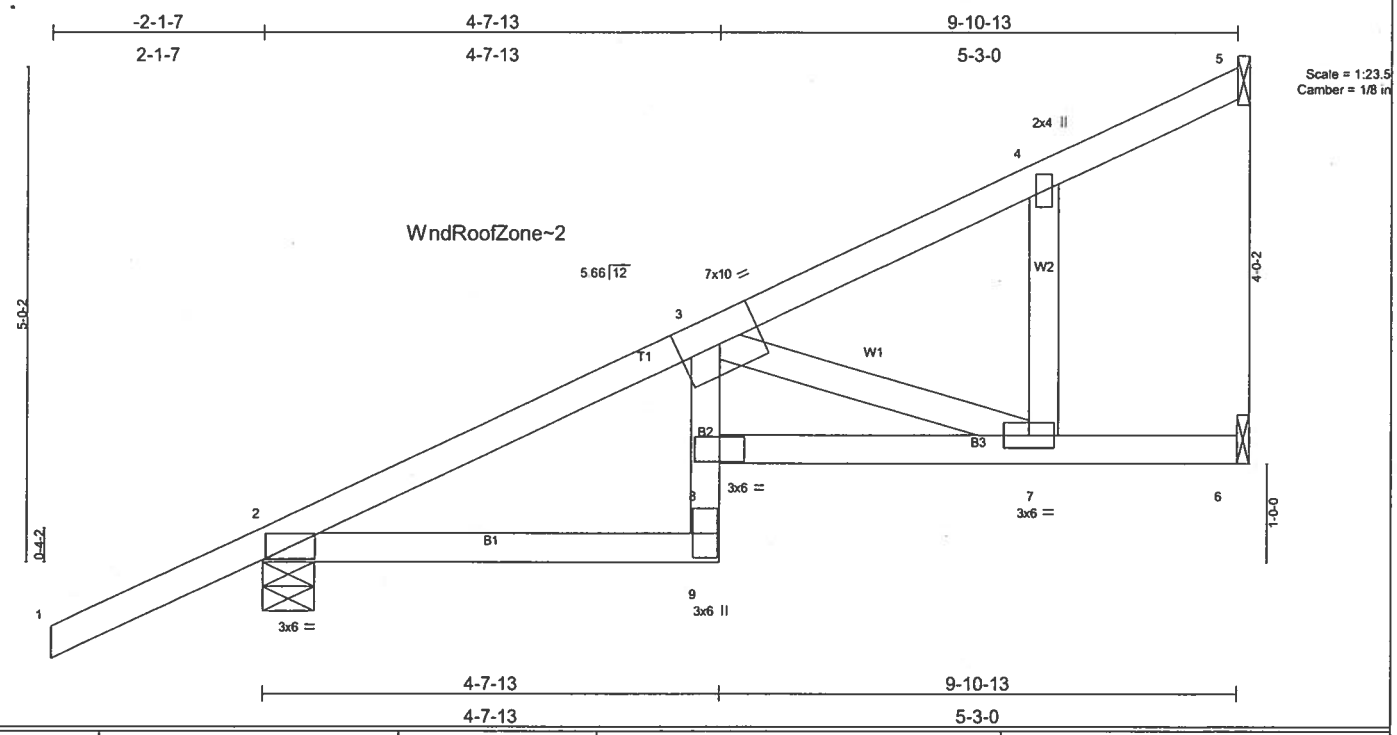
LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=0(F=15, B=15)-to-5=-208(F=-89, B=-89)

FEBRUARY 28,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877. BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. FB 9196
16105 N. FLORIDA AVE. STE B. LUTZ, FL 33549

Dwg.#0228071509

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	HJ9A	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 27 16:30:51 2007 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	0.78	Vert(LL)	-0.22	7-8	>515	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.92	Vert(TL)	-0.36	7-8	>321	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.34	Horz(TL)	0.09	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 46 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.1D
BOT CHORD 2 X 4 SYP No.1D *Except*
B1 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 9-1-12 oc bracing.

REACTIONS (lb/size) 5=258/Mechanical, 2=477/0-6-7, 6=389/Mechanical
Max Horz 2=148(load case 4)
Max Uplift5=-97(load case 4), 2=-267(load case 4), 6=-169(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-583/162, 3-4=-83/80, 4-5=-41/110
BOT CHORD 2-9=-222/499, 8-9=-64/153, 3-8=-222/523, 7-8=-463/1224, 6-7=0/0
WEBS 3-7=-1292/488, 4-7=-218/453

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 97 lb uplift at joint 5, 267 lb uplift at joint 2 and 169 lb uplift at joint 6.
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=0(F=15, B=15)-to-9=-92(F=-31, B=-31), 8=-92(F=-31, B=-31)-to-6=-208(F=-89, B=-89)

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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B. LUTZ, FL 33549

Dwg.#0228071510

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	T01	SPECIAL	1	2	Job Reference (optional)

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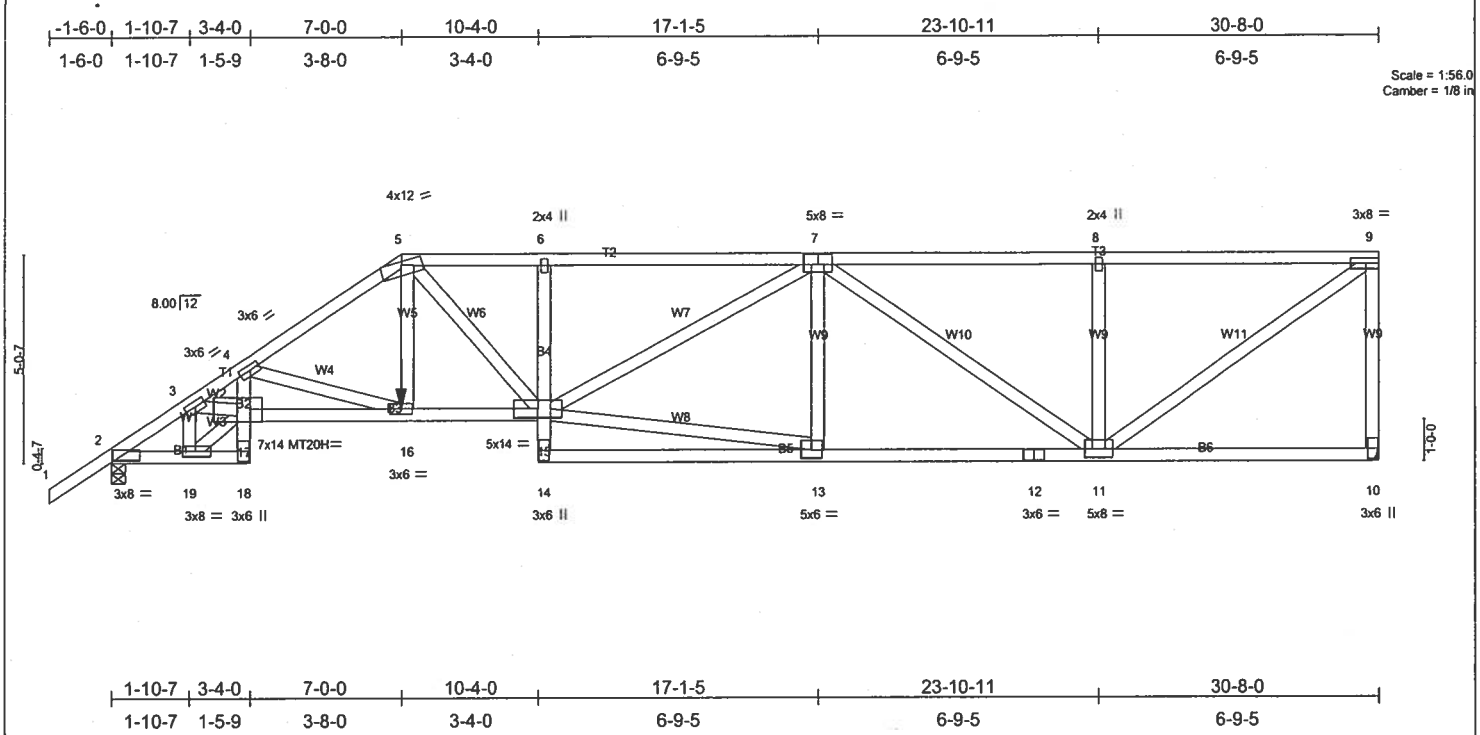

Plate Offsets (X,Y): [2:0-8-3,0-0-10], [7:0-4-0,0-3-0], [19:0-3-8,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.61	Vert(LL)	-0.21	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.92	Vert(TL)	-0.34	13-14	>999	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	NO	WB	0.65	Horz(TL)	0.17	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 384 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3, B4 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-6-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-5-2 oc bracing.

REACTIONS (lb/size) 2=2672/0-4-0, 10=2808/Mechanical
Max Horz 2=280(load case 4)
Max Uplift2=-1199(load case 4), 10=-1665(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-3932/1791, 3-4=-7807/3751, 4-5=-5115/2529, 5-6=-5269/2792, 6-7=-5266/2823, 7-8=-3252/1903, 8-9=-3252/1903
BOT CHORD 2-19=-1516/3077, 18-19=-301/592, 17-18=-128/278, 4-17=-1004/2167, 16-17=-3271/6650, 15-16=-2164/4298, 14-15=0/235, 6-15=-510/551, 13-14=-177/614, 12-13=-2617/4617, 11-12=-2617/4617, 10-11=0/0
WEBS 3-19=-2462/1231, 17-19=-1604/3280, 3-17=-1680/3398, 4-16=-2514/1244, 5-16=-649/1520, 5-15=-1053/1486, 13-15=-2467/4048, 7-15=-319/746, 7-13=-203/472, 7-11=-1666/871, 8-11=-877/959, 9-11=-2340/3999, 9-10=-2637/1697

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) 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.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1199 lb uplift at joint 2 and 1665 lb uplift at joint 10.
9) Girder carries tie-in span(s): 2-11-4 from 7-0-0 to 10-4-0; 6-1-13 from 7-0-0 to 10-4-0
10) Girder carries hip end with 0-0-0 right side setback, 10-4-0 left side setback, and 7-0-0 end setback.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 536 lb down and 254 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-54, 5-6=-71(F=-17), 6-9=-117(F=-63), 2-18=-30, 16-17=-30, 15-16=-115(F=-85), 10-14=-65(F=-35)
Concentrated Loads (lb)
Vert: 16=-536(F)

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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0228071511

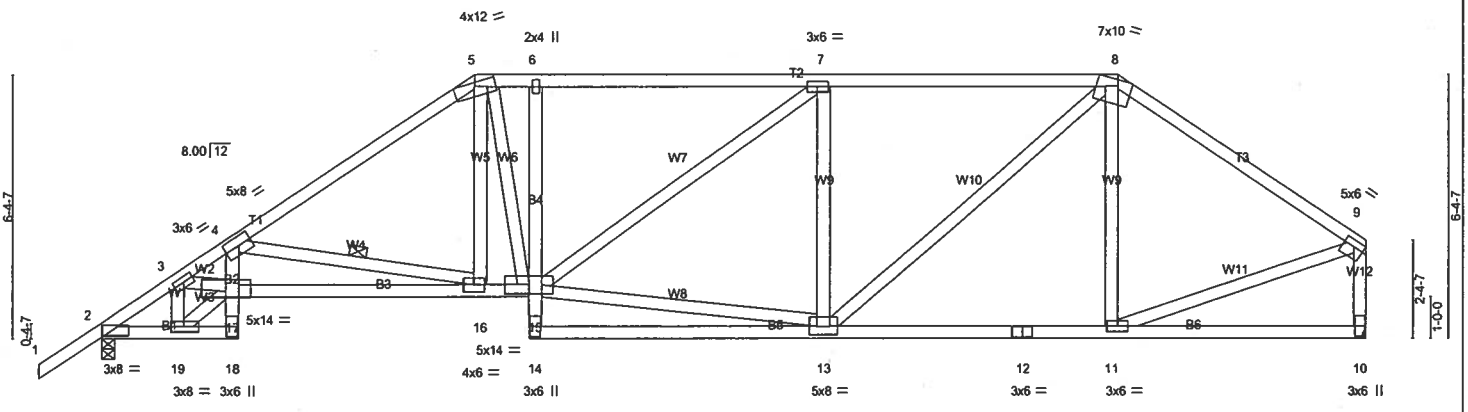
Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	T02	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 27 16:30:54 2007 Page 1

-1-6-0 | 1-10-7 | 3-4-0 | 9-0-0 | 10-4-0 | 17-6-0 | 24-8-0 | 30-8-0

1-6-0 | 1-10-7 | 1-5-9 | 5-8-0 | 1-4-0 | 7-2-0 | 7-2-0 | 6-0-0

Scale = 1:56.0
Camber = 1/8 in



1-10-7 | 3-4-0 | 9-0-0 | 10-4-0 | 17-6-0 | 24-8-0 | 30-8-0

1-10-7 | 1-5-9 | 5-8-0 | 1-4-0 | 7-2-0 | 7-2-0 | 6-0-0

Plate Offsets (X,Y): [2:0-8-3,0-0-10], [8:0-4-0,Edge], [9:Edge,0-1-12], [19:0-3-8,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.47	Vert(LL)	-0.19	16-17	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.85	Vert(TL)	-0.31	16-17	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.62	Horz(TL)	0.16	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 203 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3, B4 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-2-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-4-14 oc bracing.
WEBS 1 Row at midpt 4-16

REACTIONS (lb/size) 2=1367/0-4-0, 10=1272/Mechanical
Max Horz 2=224(load case 4)
Max Uplift2=-461(load case 5), 10=-387(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-1871/542, 3-4=-3667/1313, 4-5=-2017/727, 5-6=-1689/699, 6-7=-1699/709, 7-8=-1613/646, 8-9=-1340/453, 9-10=-1186/400
BOT CHORD 2-19=-599/1444, 18-19=-132/259, 17-18=-49/139, 4-17=-368/1094, 16-17=-1323/3253, 15-16=-674/1629, 14-15=0/109, 6-15=-257/285, 13-14=-54/301, 12-13=-343/1044, 11-12=-343/1044, 10-11=-68/93
WEBS 3-19=-1155/485, 17-19=-617/1564, 3-17=-654/1607, 4-16=-1671/693, 5-16=-151/618, 5-15=-379/360, 13-15=-613/1324, 7-15=-82/128, 7-13=-486/405, 8-13=-417/796, 8-11=-144/176, 9-11=-414/1013

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 Interior(1) 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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 461 lb uplift at joint 2 and 387 lb uplift at joint 10.

LOAD CASE(S) Standard

FEBRUARY 28,2007 TRUSS DESIGN ENGINEER:
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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0228071512

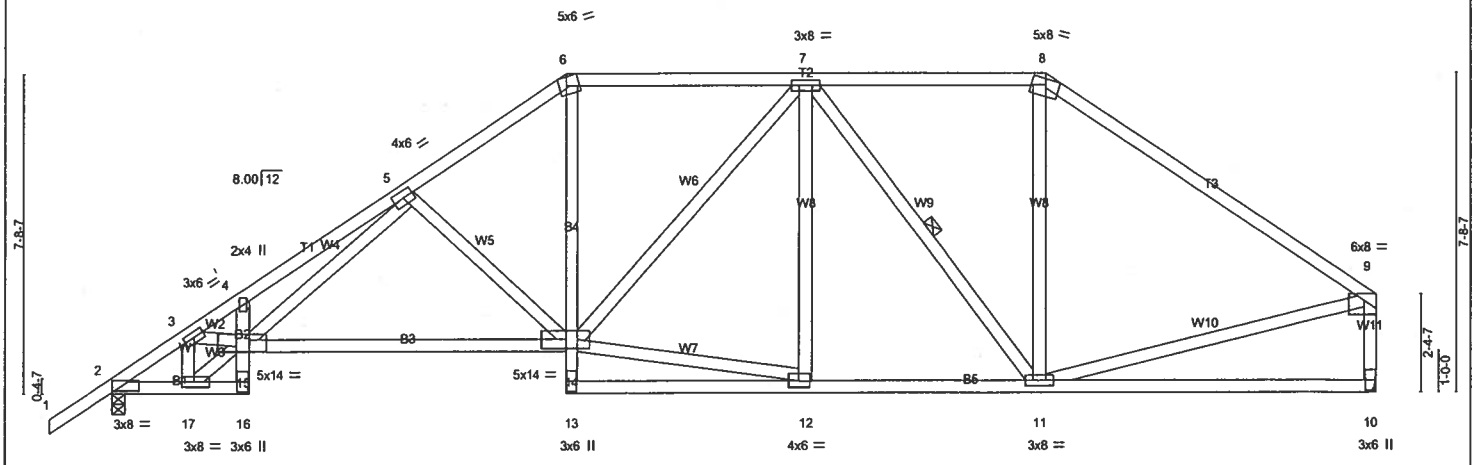
Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	T03	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 27 16:30:56 2007 Page 1

-1-6-0 | 1-10-7 | 3-4-0 | 7-2-0 | 11-0-0 | 16-10-0 | 22-8-0 | 30-8-0

1-6-0 | 1-10-7 | 1-5-9 | 3-10-0 | 3-10-0 | 5-10-0 | 5-10-0 | 8-0-0

Scale = 1:56.0
Camber = 1/8 in



1-10-7 | 3-4-0 | 11-0-0 | 16-10-0 | 22-8-0 | 30-8-0

1-10-7 | 1-5-9 | 7-8-0 | 5-10-0 | 5-10-0 | 8-0-0

Plate Offsets (X,Y): [2:0-8-3,0-0-10], [6:0-2-0,Edge], [9:0-3-8,Edge], [15:0-5-3,0-3-3], [17:0-3-8,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.99	Vert(LL)	-0.23	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.57	Vert(TL)	-0.37	14-15	>974	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.52	Horz(TL)	0.13	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 204 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3, B4 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-1-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 7-11

REACTIONS (lb/size) 2=1367/0-4-0, 10=1272/Mechanical
Max Horz 2=270(load case 4)
Max Uplift2=-475(load case 5), 10=-354(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-1883/466, 3-4=-3337/1005, 4-5=-3498/1130, 5-6=-1755/564, 6-7=-1420/518, 7-8=-1058/428, 8-9=-1384/420, 9-10=-1146/372
BOT CHORD 2-17=-566/1461, 16-17=-111/163, 15-16=-47/120, 4-15=-152/160, 14-15=-688/1781, 13-14=0/91, 6-14=-156/674, 12-13=-23/0, 11-12=-480/1314, 10-11=-129/202
WEBS 3-17=-1102/419, 15-17=-573/1630, 3-15=-470/1311, 5-14=-502/313, 12-14=-463/1340, 7-14=-93/183, 7-12=-77/117, 7-11=-508/314, 8-11=-116/401, 9-11=-355/880, 5-15=-527/1546

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 Interior(1) 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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 475 lb uplift at joint 2 and 354 lb uplift at joint 10.

LOAD CASE(S) Standard

FEBRUARY 28,2007 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.#0228071513

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	T04	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 27 16:30:58 2007 Page 1

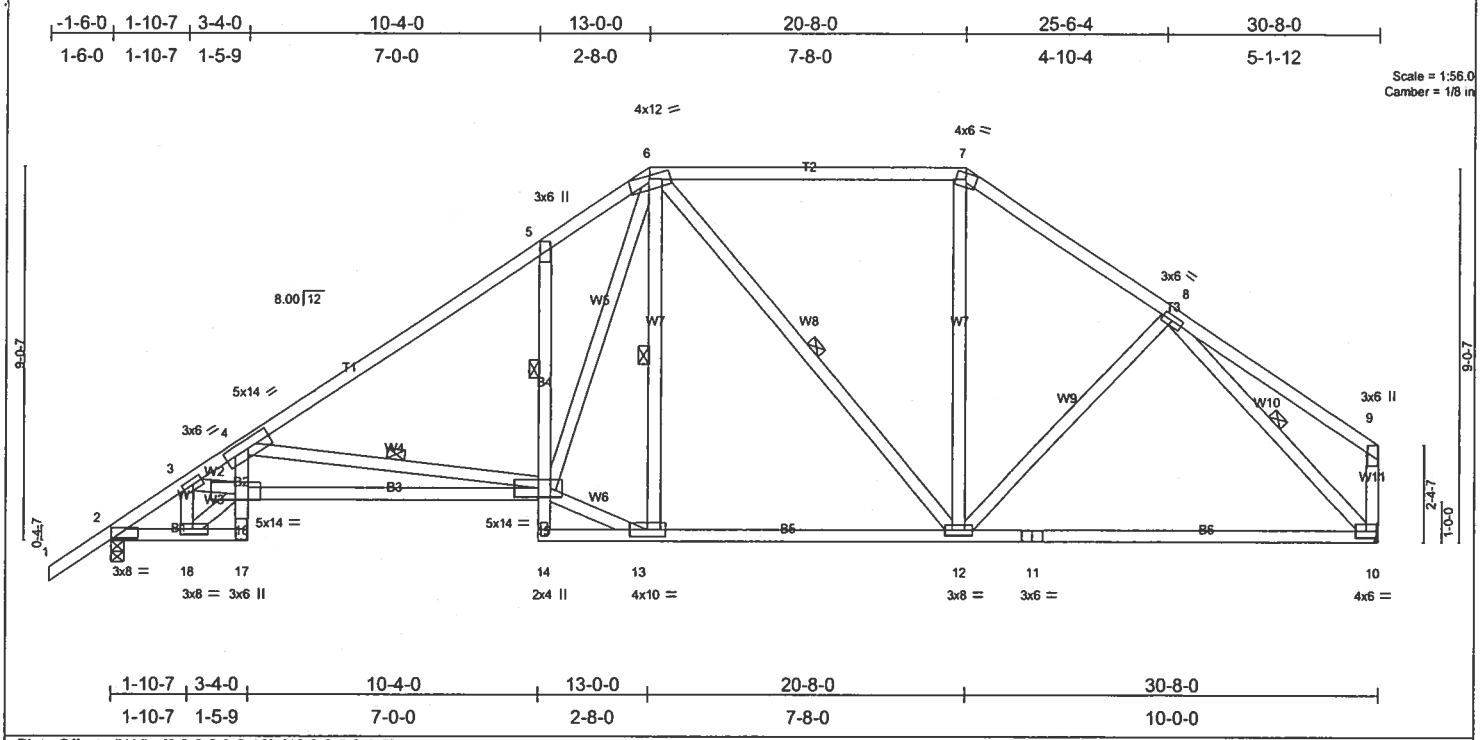


Plate Offsets (X,Y): [2:0-8-3,0-0-10], [18:0-3-8,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.87	Vert(LL)	-0.25	15-16	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.88	Vert(TL)	-0.41	15-16	>899	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.59	Horz(TL)	0.20	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 211 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B4 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-2-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-4-8 oc bracing. Except:
1 Row at midpt 5-15
WEBS 1 Row at midpt 4-15, 6-13, 6-12, 8-10

REACTIONS (lb/size) 2=1367/0-4-0, 10=1272/Mechanical
Max Horz 2=317(load case 4)
Max Uplift2=-488(load case 5), 10=-369(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-1868/476, 3-4=-3673/1198, 4-5=-1898/579, 5-6=-1754/732, 6-7=-1023/437, 7-8=-1282/445, 8-9=-292/124, 9-10=-264/149
BOT CHORD 2-18=-510/1440, 17-18=-158/270, 16-17=-57/140, 4-16=-289/1099, 15-16=-1328/3394, 14-15=-14/0, 5-15=-200/291, 13-14=-77/0, 12-13=-365/1110, 11-12=-249/949, 10-11=-249/949
WEBS 3-18=-1143/419, 16-18=-497/1545, 3-16=-639/1627, 4-15=-1924/892, 13-15=-321/1256, 6-15=-513/1122, 6-13=-319/169, 6-12=-226/191, 7-12=-74/308, 8-12=-161/210, 8-10=-1155/349

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 Interior(1) 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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 488 lb uplift at joint 2 and 369 lb uplift at joint 10.

LOAD CASE(S) Standard

FEBRUARY 28,2007 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.#0228071514

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	T05	HIP	1	1	Job Reference (optional)

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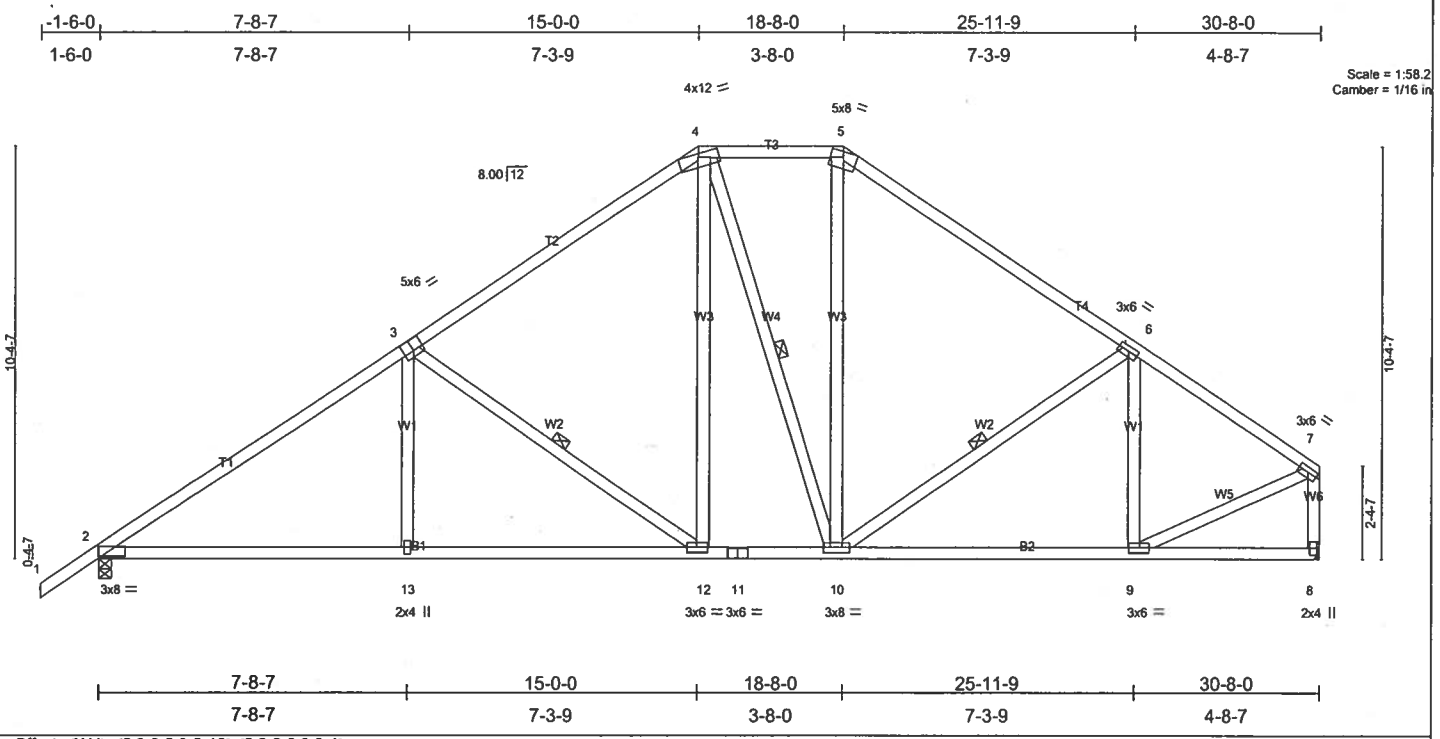


Plate Offsets (X,Y): [2:0-8-3,0-0-10], [3:0-3-0,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	-0.14	2-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.61	Vert(TL)	-0.23	2-13	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.35	Horz(TL)	0.05	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 197 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 4-0-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-3-12 oc bracing.
WEBS 1 Row at midpt 3-12, 4-10, 6-10

REACTIONS (lb/size) 2=1367/0-4-0, 8=1272/Mechanical
Max Horz 2=363(load case 4)
Max Uplift2=-497(load case 5), 8=-381(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-1890/554, 3-4=-1289/471, 4-5=-944/465, 5-6=-1241/458, 6-7=-1263/393, 7-8=-1221/387
BOT CHORD 2-13=-537/1473, 12-13=-537/1470, 11-12=-236/978, 10-11=-236/978, 9-10=-269/1010, 8-9=-17/34
WEBS 3-13=0/271, 3-12=-611/383, 4-12=-184/488, 4-10=-246/221, 5-10=-129/384, 6-10=-144/206, 6-9=-263/165, 7-9=-279/1079

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 Interior(1) 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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 497 lb uplift at joint 2 and 381 lb uplift at joint 8.

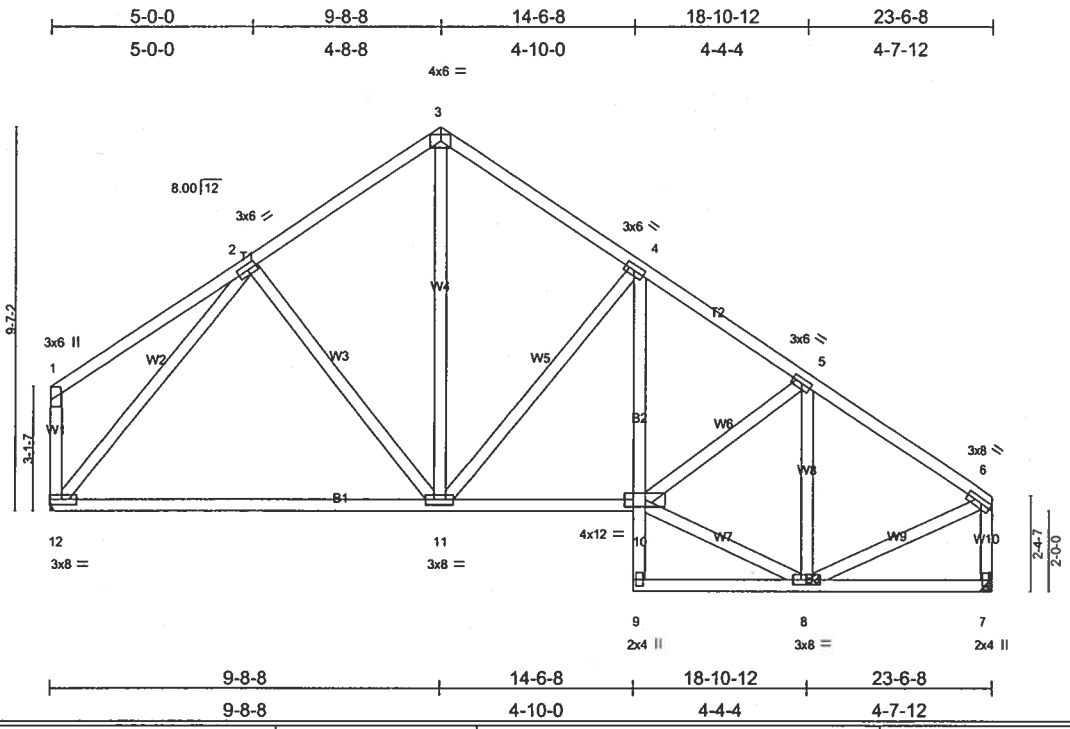
LOAD CASE(S) Standard

FEBRUARY 28,2007 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.#0228071515

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	T06	SPECIAL	3	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 27 16:31:00 2007 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	0.75	Vert(LL)	-0.15	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.52	Vert(TL)	-0.27	11-12	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.82	Horz(TL)	0.04	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 170 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-10-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 7=977/Mechanical, 12=977/Mechanical
Max Horz 12=-306(load case 3)
Max Uplift7=-309(load case 6), 12=-295(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-205/107, 2-3=-821/374, 3-4=-824/360, 4-5=-1155/417, 5-6=-923/310, 1-12=-207/134, 6-7=-905/316
BOT CHORD 11-12=-190/599, 10-11=-175/913, 9-10=0/64, 4-10=-107/288, 8-9=-6/39, 7-8=-39/65
WEBS 2-11=-96/188, 3-11=-234/559, 4-11=-456/318, 8-10=-196/749, 5-10=-49/244, 5-8=-511/192, 2-12=-795/295, 6-8=-159/717

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 Interior(1) 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) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 309 lb uplift at joint 7 and 295 lb uplift at joint 12.

LOAD CASE(S) Standard

FEBRUARY 28,2007 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.#0228071516

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	T08	COMMON	4	1	Job Reference (optional)

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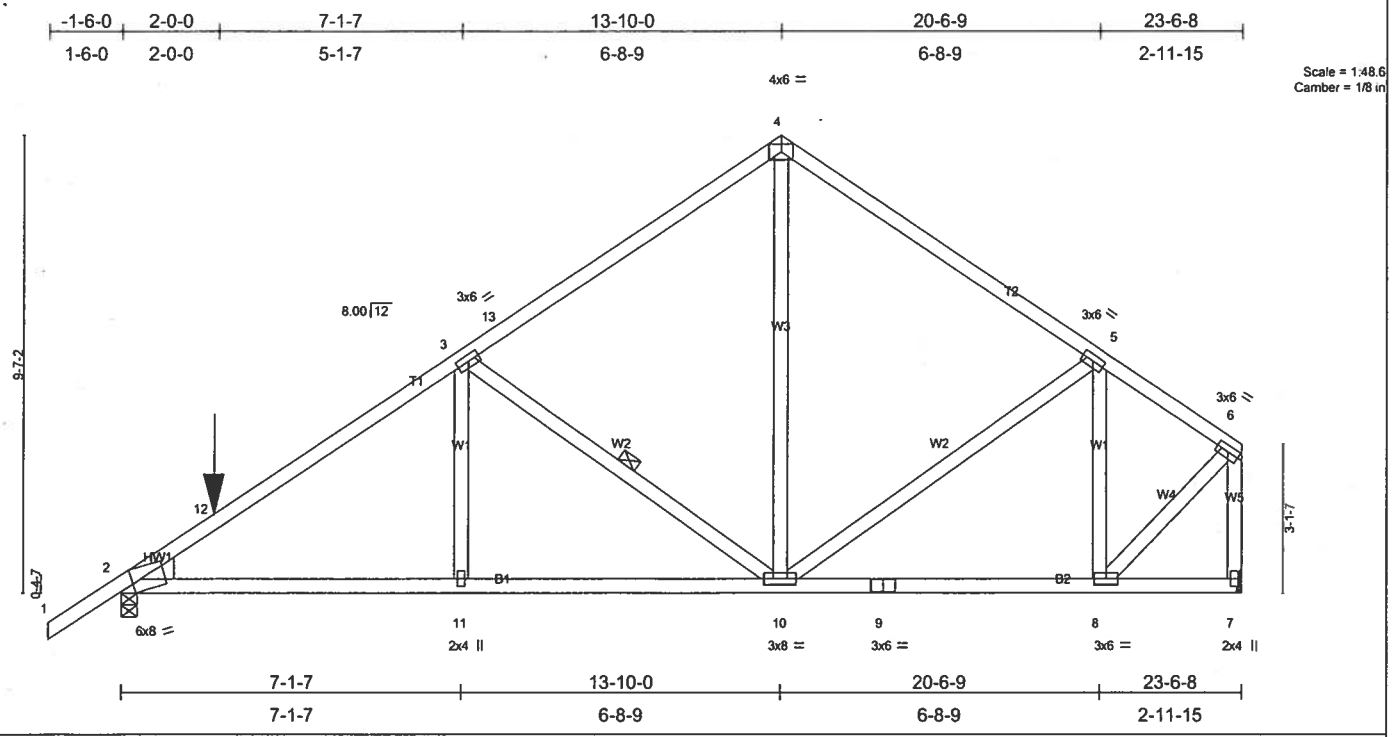


Plate Offsets (X,Y): [2:0-3-7,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.87	Vert(LL)	-0.21	2-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.98	Vert(TL)	-0.34	2-11	>826	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.37	Horz(TL)	-0.04	2	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 142 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.1D *Except*
T2 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
WEDGE
Left: 2 X 6 SYP No.1D

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-11-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-10

REACTIONS (lb/size) 2=1686/0-4-0, 7=1101/Mechanical
Max Horz 7=332(load case 4)
Max Uplift2=-640(load case 5), 7=-341(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-12=-2180/681, 3-12=-1902/618, 3-13=-1062/402, 4-13=-1001/420, 4-5=-1000/416, 5-6=-766/254, 6-7=-1088/344
BOT CHORD 2-11=-388/1566, 10-11=-388/1566, 9-10=-226/638, 8-9=-226/638, 7-8=-208/327
WEBS 3-11=0/302, 3-10=-1027/519, 4-10=-242/690, 5-10=-127/194, 5-8=-476/234, 6-8=-284/912

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 Interior(1) 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) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 640 lb uplift at joint 2 and 341 lb uplift at joint 7.
5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 137 lb down and 52 lb up at 2-0-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
6) 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: 1-12=-54, 4-13=-54, 4-6=-54, 2-7=-30
Concentrated Loads (lb)
Vert: 12=-137(F)
Trapezoidal Loads (plf)
Vert: 12=-190(F=-136)-to-13=-121(F=-67)

FEBRUARY 28,2007 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

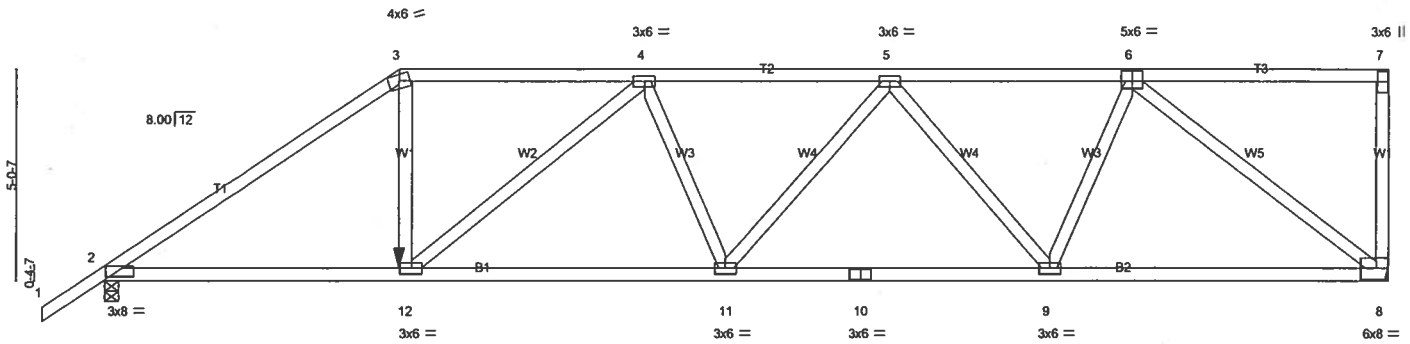
Dwg.#0228071517

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	T09	MONO HIP	1	2	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 27 16:31:02 2007 Page 1

-1-6-0	7-0-0	12-10-2	18-8-4	24-6-6	30-8-0
1-6-0	7-0-0	5-10-2	5-10-2	5-10-2	6-1-10

Scale = 1:55.2
Camber = 1/8 in



7-0-0	14-9-8	22-7-0	30-8-0
7-0-0	7-9-8	7-9-8	8-1-0

Plate Offsets (X,Y): [2:0-8-3,0-0-14], [6:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.50	Vert(LL)	-0.18	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.65	Vert(TL)	-0.30	11-12	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.82	Horz(TL)	0.09	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 326 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, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-3-1 oc bracing.

REACTIONS (lb/size) 8=2807/Mechanical, 2=2672/0-4-0
Max Horz 2=281(load case 4)
Max Uplift8=-1728(load case 2), 2=-1430(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-4228/2336, 3-4=-3459/2010, 4-5=-4601/2710, 5-6=-3535/2088, 6-7=-112/47, 7-8=-336/347
BOT CHORD 2-12=-1983/3403, 11-12=-2757/4519, 10-11=-2691/4344, 9-10=-2691/4344, 8-9=-1836/2916
WEBS 3-12=-1008/1801, 4-12=-1381/1087, 4-11=0/215, 5-11=-89/404, 5-9=-1276/951, 6-9=-662/1630, 6-8=-3577/2283

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) 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.
4) Provide adequate drainage to prevent water ponding.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1728 lb uplift at joint 8 and 1430 lb uplift at joint 2.
7) Girder carries hip end with 0-0-0 right side setback, 7-0-0 left side setback, and 7-0-0 end setback.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 410 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-7=-117(F=-63), 2-12=-30, 8-12=-65(F=-35)
Concentrated Loads (lb)
Vert: 12=-539(F)

FEBRUARY 28,2007 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

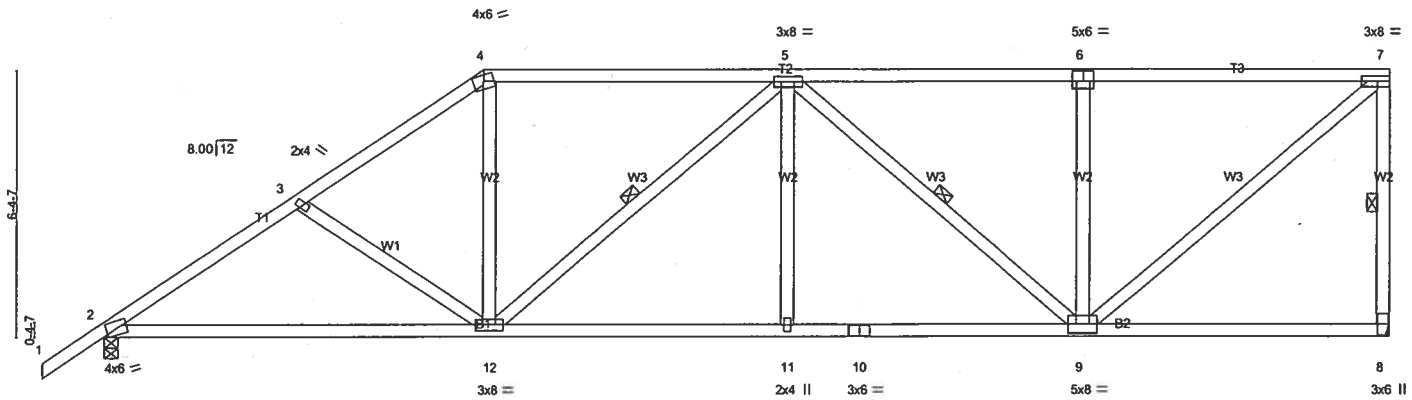
Dwg.#0228071518

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	T10	MONO HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 27 16:31:03 2007 Page 1

-1-6-0 | 4-8-7 | 9-0-0 | 16-3-4 | 23-4-12 | 30-8-0
1-6-0 | 4-8-7 | 4-3-9 | 7-3-4 | 7-1-8 | 7-3-4

Scale = 1:55.2
Camber = 1/8 in



9-0-0 | 16-3-4 | 23-4-12 | 30-8-0
9-0-0 | 7-3-4 | 7-1-8 | 7-3-4

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.57	Vert(LL)	-0.18	2-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.63	Vert(TL)	-0.30	2-12	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.91	Horz(TL)	0.06	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 179 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 4-3-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-1-7 oc bracing, Except:
10-0-0 oc bracing: 8-9.
WEBS 1 Row at midpt 7-8, 5-12, 5-9

REACTIONS (lb/size) 8=1272/Mechanical, 2=1367/0-4-0
Max Horz 2=341(load case 5)
Max Uplift8=-527(load case 3), 2=-443(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-1881/527, 3-4=-1694/520, 4-5=-1376/476, 5-6=-1201/479, 6-7=-1201/479, 7-8=-1169/540
BOT CHORD 2-12=-606/1507, 11-12=-602/1635, 10-11=-602/1635, 9-10=-602/1635, 8-9=-20/41
WEBS 3-12=-175/205, 4-12=-97/581, 5-12=-341/311, 5-11=0/198, 5-9=-571/206, 6-9=-398/341, 7-9=-603/1524

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 Interior(1) 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) Provide adequate drainage to prevent water ponding.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 527 lb uplift at joint 8 and 443 lb uplift at joint 2.

LOAD CASE(S) Standard

FEBRUARY 28,2007 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

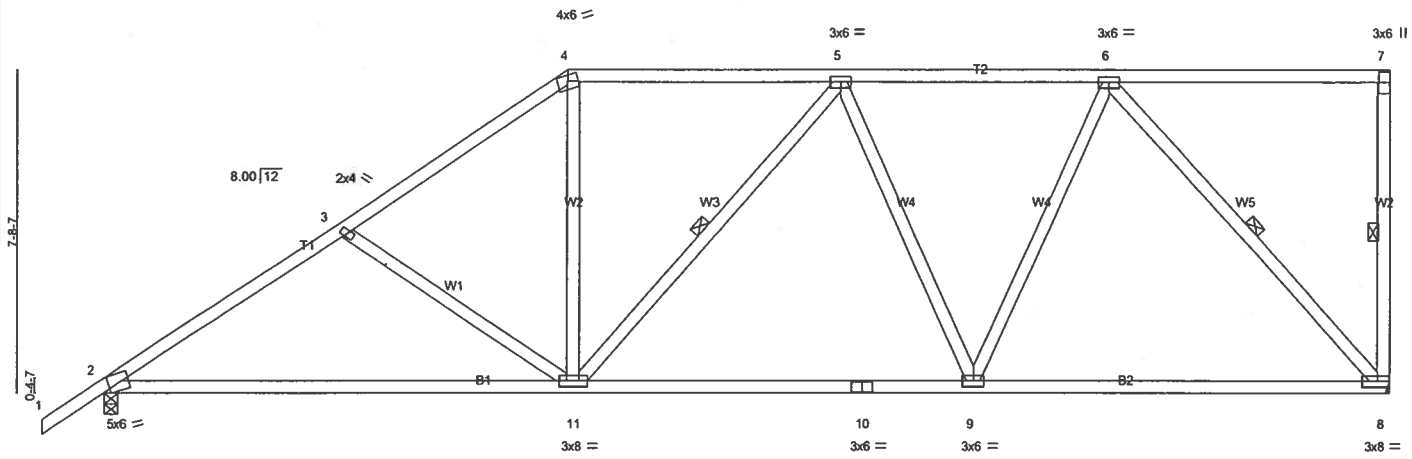
Dwg.#0228071519

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	T11	MONO HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 27 16:31:04 2007 Page 1

-1-6-0 | 5-8-7 | 11-0-0 | 17-5-8 | 23-11-0 | 30-8-0
1-6-0 | 5-8-7 | 5-3-9 | 6-5-8 | 6-5-8 | 6-9-0

Scale = 1:55.2
Camber = 1/4 in



11-0-0 | 20-8-4 | 30-8-0
11-0-0 | 9-8-4 | 9-11-12

Plate Offsets (X,Y): [2:0-1-13,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.62	Vert(LL)	-0.33	2-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.64	Vert(TL)	-0.57	2-11	>640	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.61	Horz(TL)	0.06	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 180 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 4-0-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-9-1 oc bracing.
WEBS 1 Row at midpt 7-8, 5-11, 6-8

REACTIONS (lb/size) 8=1272/Mechanical, 2=1367/0-4-0
Max Horz 2=403(load case 5)
Max Uplift8=-488(load case 3), 2=-449(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-1836/509, 3-4=-1585/454, 4-5=-1258/432, 5-6=-1160/396, 6-7=-41/8, 7-8=-168/134
BOT CHORD 2-11=-660/1475, 10-11=-474/1293, 9-10=-474/1293, 8-9=-346/899
WEBS 3-11=-274/276, 4-11=-72/520, 5-11=-58/245, 5-9=-335/200, 6-9=-132/652, 6-8=-1291/510

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 Interior(1) 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) Provide adequate drainage to prevent water ponding.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 488 lb uplift at joint 8 and 449 lb uplift at joint 2.

LOAD CASE(S) Standard

FEBRUARY 28,2007 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.#0228071520

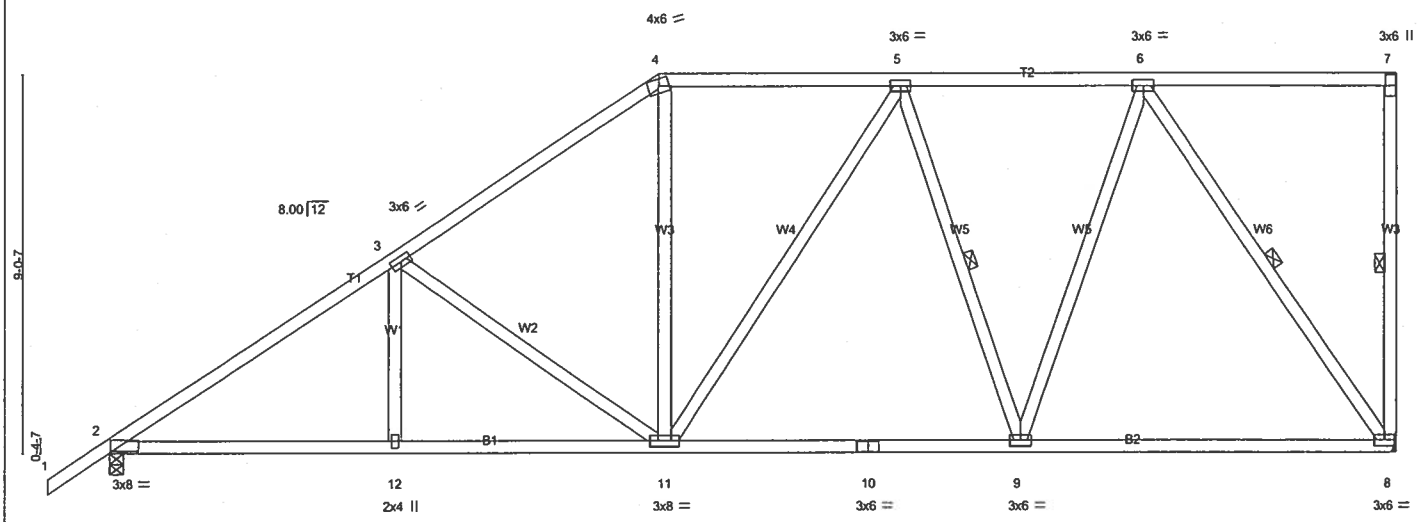
Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	T12	MONO HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 27 16:31:05 2007 Page 1

-1-6-0 | 6-8-7 | 13-0-0 | 18-9-8 | 24-7-0 | 30-8-0

1-6-0 | 6-8-7 | 6-3-9 | 5-9-8 | 5-9-8 | 6-1-0

Scale = 1:55.2
Camber = 1/8 in



6-8-7 | 13-0-0 | 21-8-4 | 30-8-0

6-8-7 | 6-3-9 | 8-8-4 | 8-11-12

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	-0.13	9-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.47	Vert(TL)	-0.22	8-9	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.64	Horz(TL)	0.06	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 198 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-2-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-6-2 oc bracing.
WEBS 1 Row at midpt 7-8, 5-9, 6-8

REACTIONS (lb/size) 8=1272/Mechanical, 2=1367/0-4-0
Max Horz 2=464(load case 5)
Max Uplift8=-460(load case 4), 2=-450(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-1918/482, 3-4=-1427/414, 4-5=-1112/423, 5-6=-927/312, 6-7=-24/5, 7-8=-148/119
BOT CHORD 2-12=-686/1504, 11-12=-686/1504, 10-11=-379/1055, 9-10=-379/1055, 8-9=-264/706
WEBS 3-12=0/210, 3-11=-488/322, 4-11=-46/411, 5-11=-134/197, 5-9=-407/237, 6-9=-176/704, 6-8=-1213/464

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 Interior(1) 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) Provide adequate drainage to prevent water ponding.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 460 lb uplift at joint 8 and 450 lb uplift at joint 2.

LOAD CASE(S) Standard

FEBRUARY 28,2007 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.#0228071521

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	T13	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 27 16:31:07 2007 Page 1

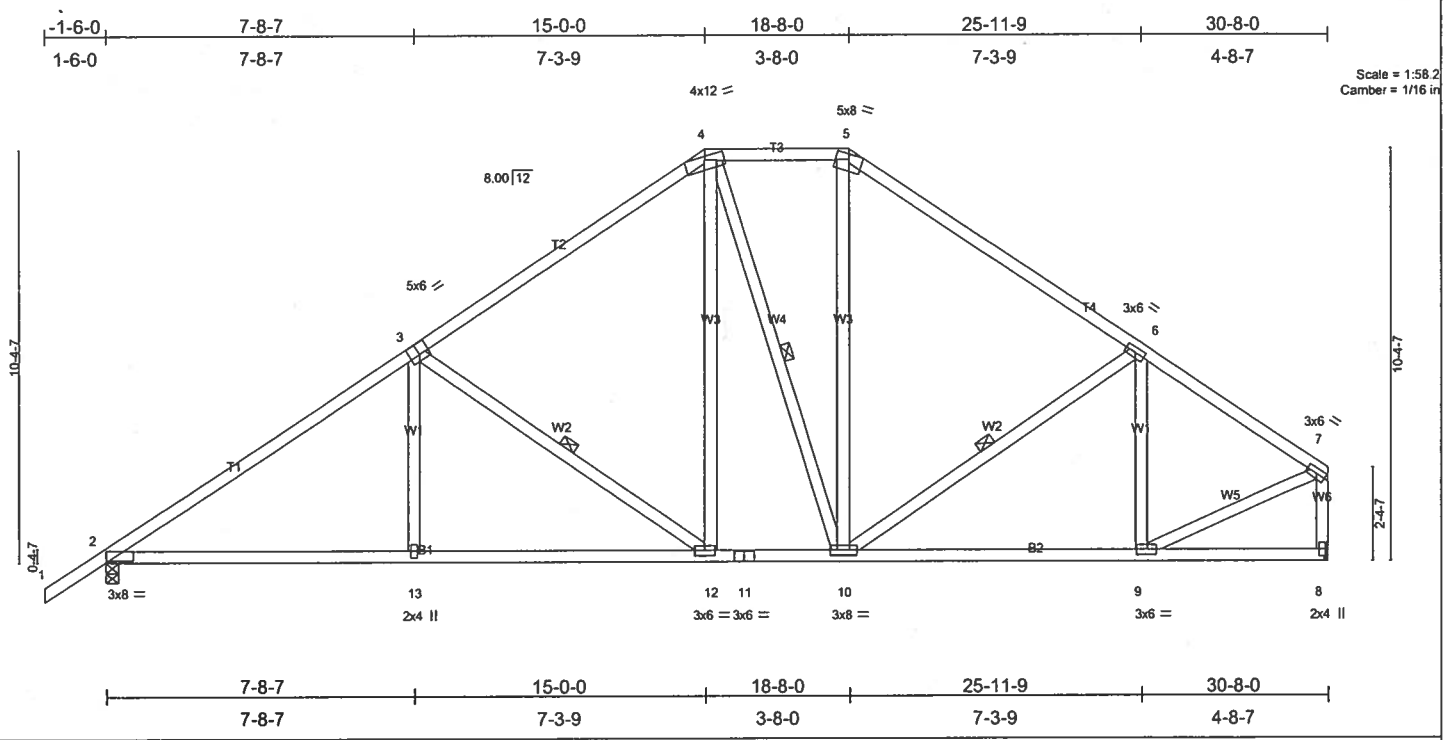


Plate Offsets (X,Y): [2:0-8-3,0-0-10], [3:0-3-0,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	-0.14	2-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.61	Vert(TL)	-0.23	2-13	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.35	Horz(TL)	0.05	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 197 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 4-0-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-3-12 oc bracing.
WEBS 1 Row at midpt 3-12, 4-10, 6-10

REACTIONS (lb/size) 2=1367/0-4-0, 8=1272/Mechanical
Max Horz 2=363(load case 4)
Max Uplift2=-497(load case 5), 8=-381(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-1891/554, 3-4=-1289/471, 4-5=-944/465, 5-6=-1241/458, 6-7=-1263/394, 7-8=-1221/387
BOT CHORD 2-13=-537/1474, 12-13=-537/1470, 11-12=-236/978, 10-11=-236/978, 9-10=-269/1010, 8-9=-17/34
WEBS 3-13=0/271, 3-12=-611/383, 4-12=-184/488, 4-10=-246/221, 5-10=-129/384, 6-10=-144/206, 6-9=-263/165, 7-9=-279/1079

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 Interior(1) 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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 497 lb uplift at joint 2 and 381 lb uplift at joint 8.

LOAD CASE(S) Standard

FEBRUARY 28,2007 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.#0228071522

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	T14	COMMON	2	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 27 16:31:08 2007 Page 1

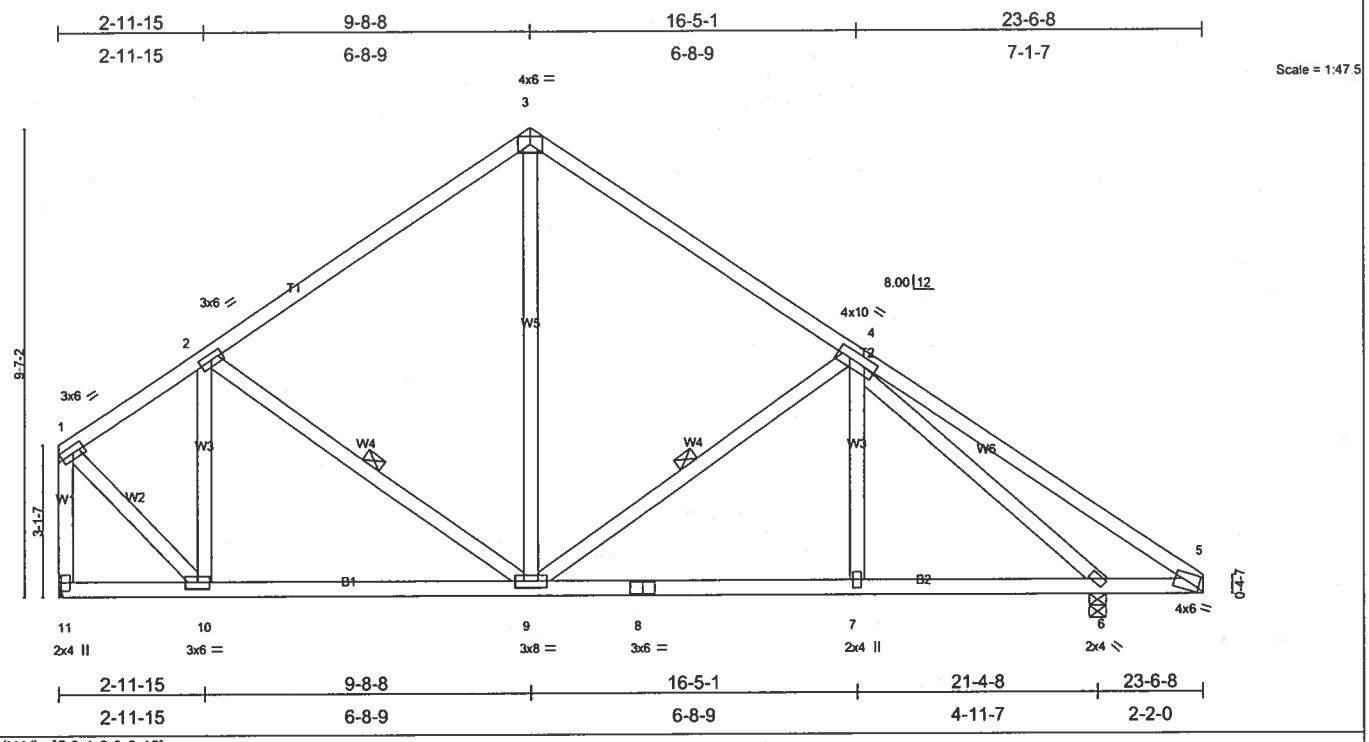


Plate Offsets (X,Y): [5:0-1-9,0-0-10]

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)	-0.06	7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.41	Vert(TL)	-0.10	7-9	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.92	Horz(TL)	0.02	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 147 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, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-9, 2-9

REACTIONS (lb/size) 11=891/Mechanical, 6=1074/0-4-0
Max Horz 11=-311(load case 3)
Max Uplift11=-273(load case 5), 6=-394(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 3-4=-751/329, 4-5=-97/221, 1-2=-611/203, 2-3=-746/327, 1-11=-873/274
BOT CHORD 10-11=-225/304, 9-10=-231/505, 8-9=-148/761, 7-8=-148/761, 6-7=-148/761, 5-6=-92/152
WEBS 4-6=-1163/369, 4-7=0/172, 4-9=-309/263, 3-9=-123/350, 2-9=-117/180, 2-10=-353/194, 1-10=-222/719

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 Interior(1) zone; cantilever 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.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 273 lb uplift at joint 11 and 394 lb uplift at joint 6.

LOAD CASE(S) Standard

FEBRUARY 28,2007 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.#0228071523

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	T15	SPECIAL	3	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 27 16:31:09 2007 Page 1

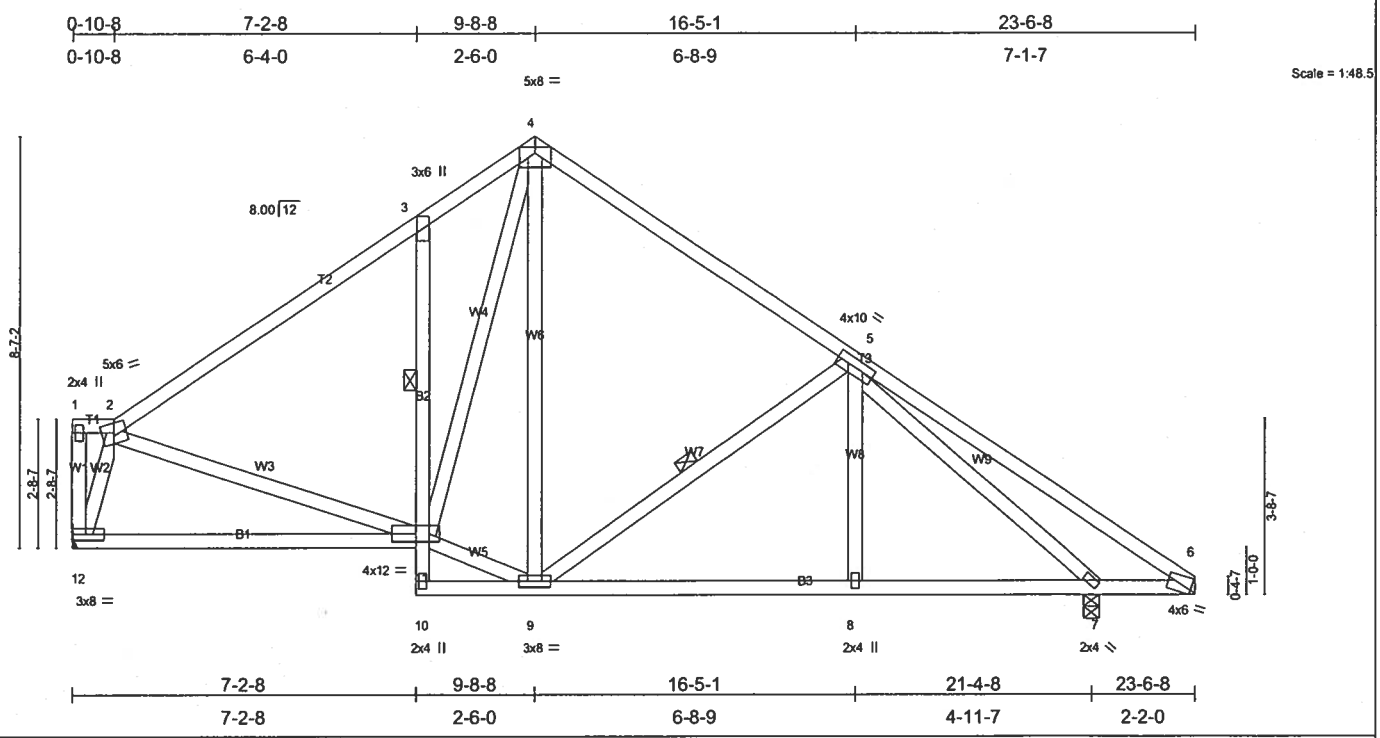


Plate Offsets (X,Y): [6:0-1-5,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.45	Vert(LL)	-0.07	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.39	Vert(TL)	-0.11	8-9	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.93	Horz(TL)	0.02	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 162 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
1 Row at midpt 3-11
WEBS 1 Row at midpt 5-9

REACTIONS (lb/size) 12=891/Mechanical, 7=1074/0-4-0
Max Horz 12=-309(load case 3)
Max Uplift12=-256(load case 6), 7=-403(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-12=-204/156, 1-2=-70/0, 2-3=-905/308, 3-4=-798/374, 4-5=-747/316, 5-6=-99/223
BOT CHORD 11-12=-263/352, 10-11=-18/0, 3-11=-245/205, 9-10=-102/0, 8-9=-134/767, 7-8=-134/767, 6-7=-94/152
WEBS 2-12=-982/479, 2-11=-59/340, 9-11=-10/657, 4-11=-248/473, 4-9=-175/152, 5-9=-312/266, 5-8=0/179, 5-7=-1174/383

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 Interior(1) zone; cantilever 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.
3) Provide adequate drainage to prevent water ponding.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 256 lb uplift at joint 12 and 403 lb uplift at joint 7.

LOAD CASE(S) Standard

FEBRUARY 28,2007 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.#0228071524

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	T16	SPECIAL	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 27 16:31:10 2007 Page 1

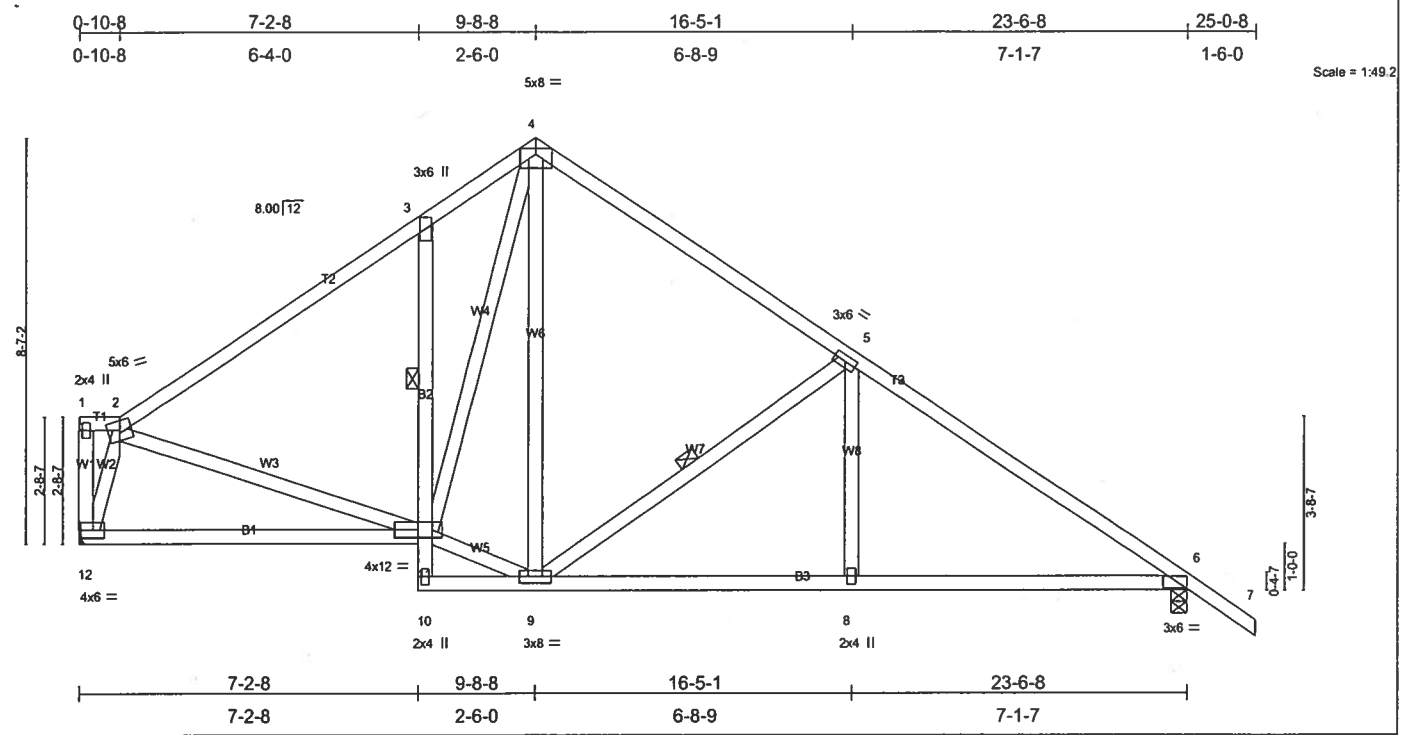


Plate Offsets (X,Y): [6:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.45	Vert(LL)	-0.10	6-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.46	Vert(TL)	-0.16	6-8	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.34	Horz(TL)	0.03	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 155 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-11-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
1 Row at midpt 3-11
WEBS 1 Row at midpt 5-9

REACTIONS (lb/size) 12=972/Mechanical, 6=1069/0-4-0
Max Horz 12=-331(load case 3)
Max Uplift12=-278(load case 6), 6=-418(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-12=-205/153, 1-2=-72/0, 2-3=-1010/338, 3-4=-904/403, 4-5=-845/350, 5-6=-1385/423, 6-7=0/45
BOT CHORD 11-12=-244/377, 10-11=-7/0, 3-11=-248/204, 9-10=-89/0, 8-9=-167/1063, 6-8=-167/1063
WEBS 2-12=-1063/503, 2-11=-65/407, 9-11=0/730, 4-11=-237/490, 4-9=-225/237, 5-9=-557/346, 5-8=0/241

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 Interior(1) 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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 278 lb uplift at joint 12 and 418 lb uplift at joint 6.

LOAD CASE(S) Standard

FEBRUARY 28,2007 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

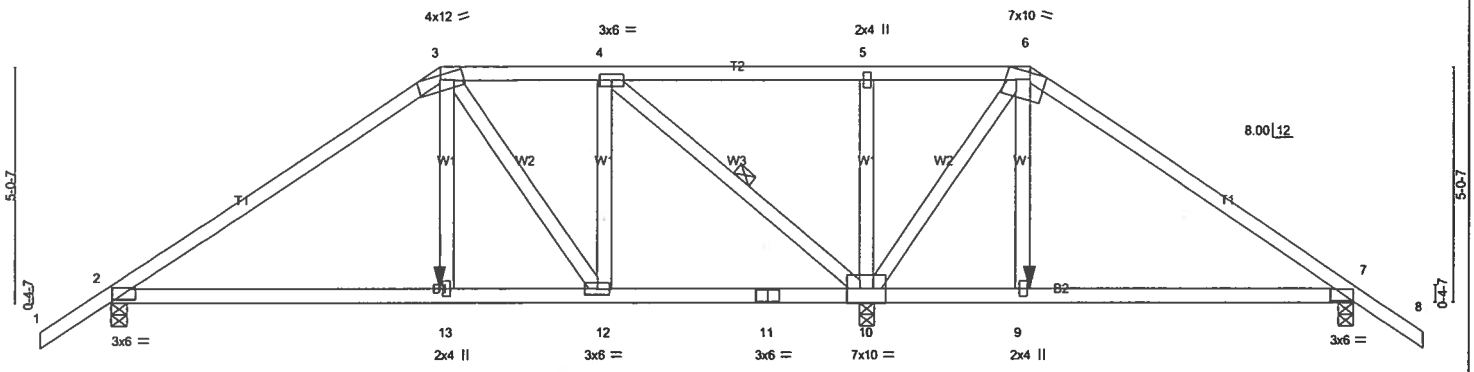
Dwg.#0228071525

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	T20	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 27 16:31:15 2007 Page 1

-1-6-0	7-0-0	10-6-0	16-2-0	19-8-0	26-8-0	28-2-0
1-6-0	7-0-0	3-6-0	5-8-0	3-6-0	7-0-0	1-6-0

Scale = 1:49.7
Camber = 1/16 in



7-0-0	10-6-0	16-2-0	19-8-0	26-8-0
7-0-0	3-6-0	5-8-0	3-6-0	7-0-0

Plate Offsets (X,Y): [2:0-6-3,0-0-10], [6:0-4-0,Edge], [7:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.70	Vert(LL)	0.15	2-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.50	Vert(TL)	-0.18	2-13	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.73	Horz(TL)	0.03	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 142 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 4-8-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-3-12 oc bracing.
WEBS 1 Row at midpt 4-10

REACTIONS (lb/size) 2=1139/0-4-0, 10=3088/0-4-0, 7=474/0-4-0
Max Horz 2=169(load case 3)
Max Uplift2=-820(load case 4), 10=-2101(load case 3), 7=-267(load case 5)
Max Grav 2=1145(load case 8), 10=3088(load case 1), 7=488(load case 9)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 6-7=-349/150, 7-8=0/45, 3-4=-904/730, 4-5=-353/537, 5-6=-354/538, 1-2=0/45, 2-3=-1504/1027
BOT CHORD 2-13=-912/1157, 12-13=-930/1181, 11-12=-730/903, 10-11=-730/903, 9-10=0/231, 7-9=0/208
WEBS 6-9=-365/761, 6-10=-1259/732, 5-10=-612/704, 4-10=-1864/1413, 4-12=-330/660, 3-12=-471/382, 3-13=-563/777

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; porch left exposed; 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 820 lb uplift at joint 2, 2101 lb uplift at joint 10 and 267 lb uplift at joint 7.
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 410 lb up at 19-8-0, and 539 lb down and 410 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: 6-8=-54, 3-6=-117(F=-63), 1-3=-54, 2-13=-30, 9-13=-65(F=-35), 7-9=-30
Concentrated Loads (lb)
Vert: 9=-539(F) 13=-539(F)

FEBRUARY 28,2007 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.#0228071526

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	T21	HIP	1	1	Job Reference (optional)

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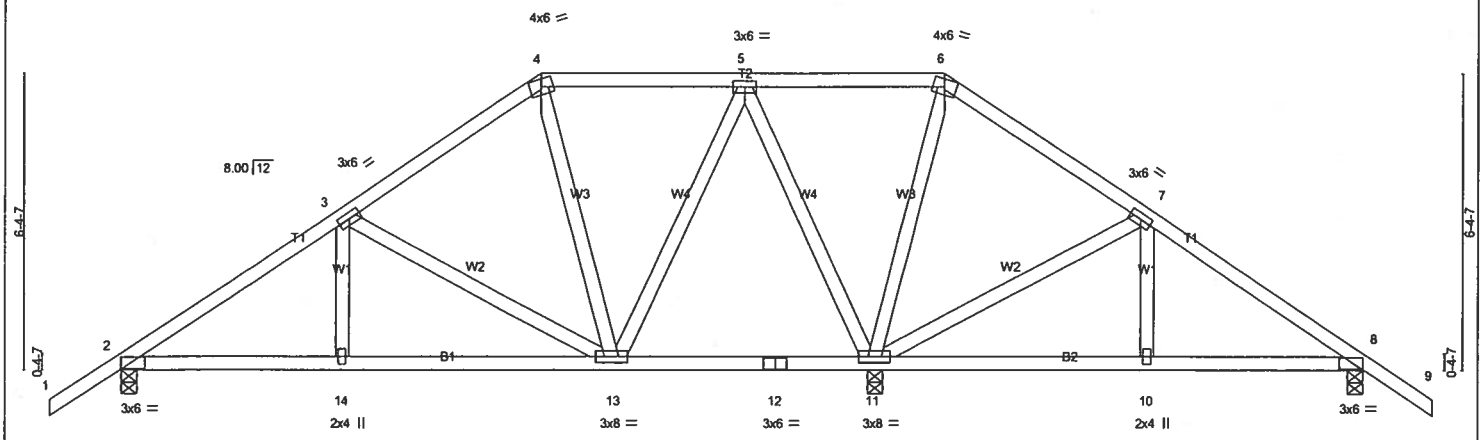
-1-6-0	4-8-7	9-0-0	13-4-0	17-8-0	21-11-9	26-8-0	28-2-0
1-6-0	4-8-7	4-3-9	4-4-0	4-4-0	4-3-9	4-8-7	1-6-0

Scale = 1:49.7



4-8-7	10-6-0	16-2-0	21-11-9	26-8-0
4-8-7	5-9-9	5-8-0	5-9-9	4-8-7

Plate Offsets (X,Y): [2:0-3-9,0-1-8], [8:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.17	Vert(LL)	0.06	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.20	Vert(TL)	-0.06	13-14	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.59	Horz(TL)	0.01	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 155 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 6-0-0 oc bracing.

REACTIONS (lb/size) 2=642/0-4-0, 11=1408/0-4-0, 8=343/0-4-0
Max Horz 2=216(load case 4)
Max Uplift2=-463(load case 5), 11=-607(load case 5), 8=-196(load case 6)
Max Grav 2=664(load case 9), 11=1408(load case 1), 8=378(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-768/647, 3-4=-364/364, 4-5=-233/362, 5-6=-97/316, 6-7=-94/328, 7-8=-271/52, 8-9=0/45
BOT CHORD 2-14=-500/573, 13-14=-500/573, 12-13=-137/182, 11-12=-137/182, 10-11=-5/179, 8-10=-5/179
WEBS 3-14=-227/168, 3-13=-371/385, 4-13=-89/2, 5-13=-427/478, 5-11=-739/567, 6-11=-388/176, 7-11=-384/208, 7-10=0/167

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 Interior(1) zone; porch left 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.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 463 lb uplift at joint 2, 607 lb uplift at joint 11 and 196 lb uplift at joint 8.

LOAD CASE(S) Standard

FEBRUARY 28,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. ER 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0228071527

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	T22	HIP	1	1	Job Reference (optional)

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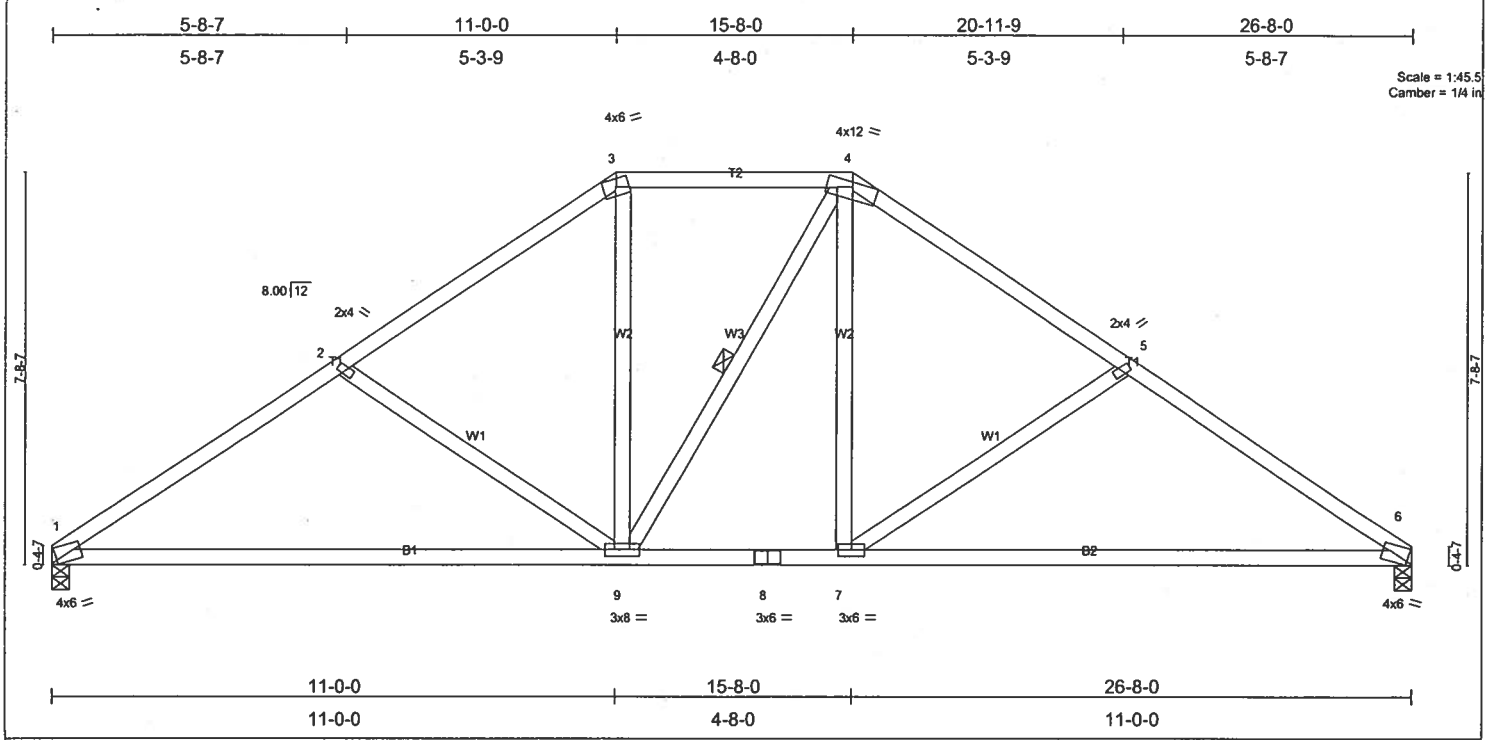

Plate Offsets (X,Y): [1:0-1-5,Edge], [6:0-1-5,Edge]

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)	-0.39	6-7	>820	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.63	Vert(TL)	-0.66	6-7	>479	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.25	Horz(TL)	0.05	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 139 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-2-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-4-3 oc bracing.
WEBS 1 Row at midpt 4-9

REACTIONS (lb/size) 1=1106/0-4-0, 6=1106/0-4-0
Max Horz 1=-257(load case 3)
Max Uplift1=-339(load case 5), 6=-339(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1551/511, 2-3=-1287/426, 3-4=-1001/423, 4-5=-1286/426, 5-6=-1551/511
BOT CHORD 1-9=-431/1250, 8-9=-167/1000, 7-8=-167/1000, 6-7=-327/1250
WEBS 2-9=-311/298, 3-9=-116/410, 4-9=-157/158, 4-7=-129/414, 5-7=-312/299

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 Interior(1) 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 339 lb uplift at joint 1 and 339 lb uplift at joint 6.

LOAD CASE(S) Standard

FEBRUARY 28,2007 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.#0228071528

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	T23	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 27 16:31:21 2007 Page 1

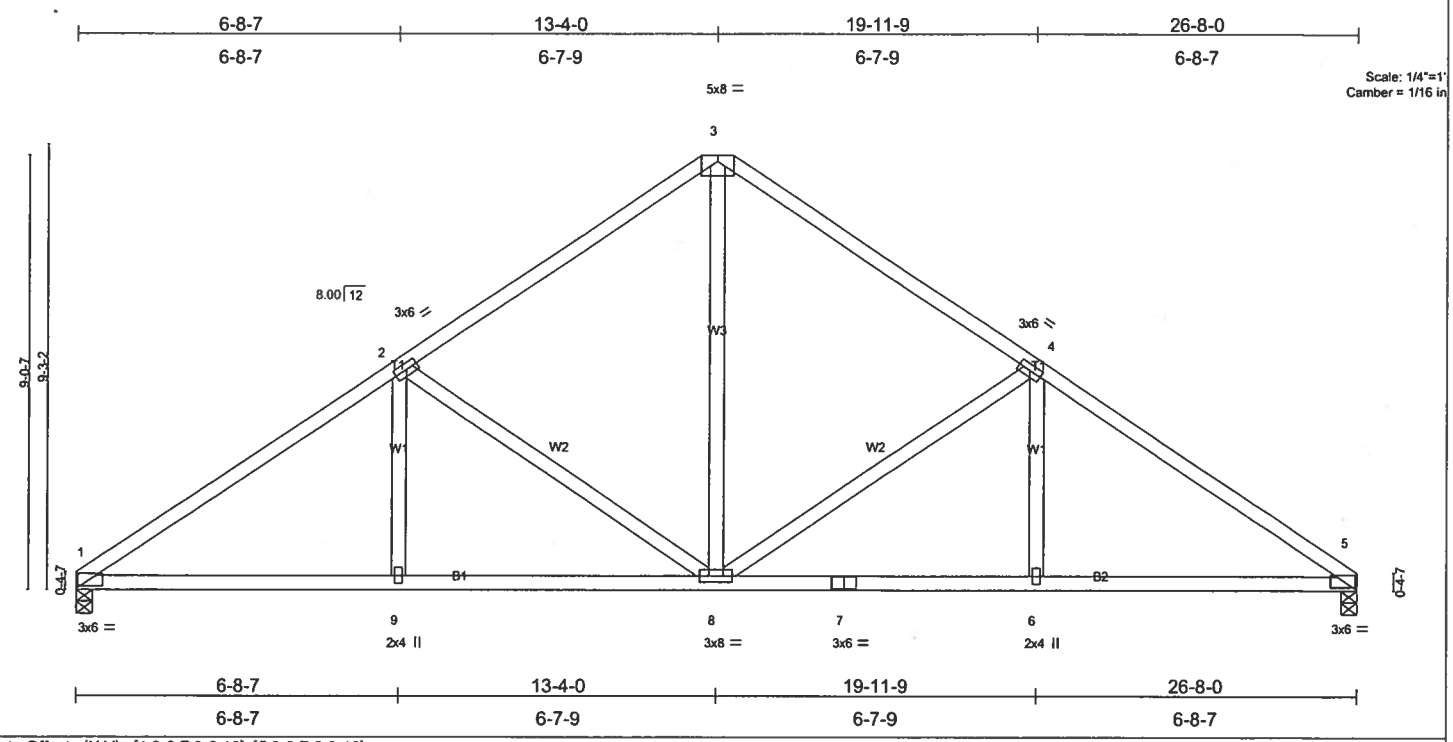

Plate Offsets (X,Y): [1:0-6-7,0-0-10], [5:0-6-7,0-0-10]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	-0.10	1-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.48	Vert(TL)	-0.16	1-9	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.61	Horz(TL)	0.06	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 136 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 4-6-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-1-12 oc bracing.

REACTIONS (lb/size) 1=1106/0-4-0, 5=1106/0-4-0
Max Horz 1=-310(load case 3)
Max Uplift1=-350(load case 5), 5=-350(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1645/504, 2-3=-1119/444, 3-4=-1119/444, 4-5=-1645/504
BOT CHORD 1-9=-431/1282, 8-9=-431/1282, 7-8=-308/1282, 6-7=-308/1282, 5-6=-308/1282
WEBS 2-9=0/234, 2-8=-546/349, 4-8=-546/350, 4-6=0/234, 3-8=-261/779

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 Interior(1) 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 350 lb uplift at joint 1 and 350 lb uplift at joint 5.

LOAD CASE(S) Standard

FEBRUARY 28,2007 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.#0228071529

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	T23A	SPECIAL	1	1	Job Reference (optional)

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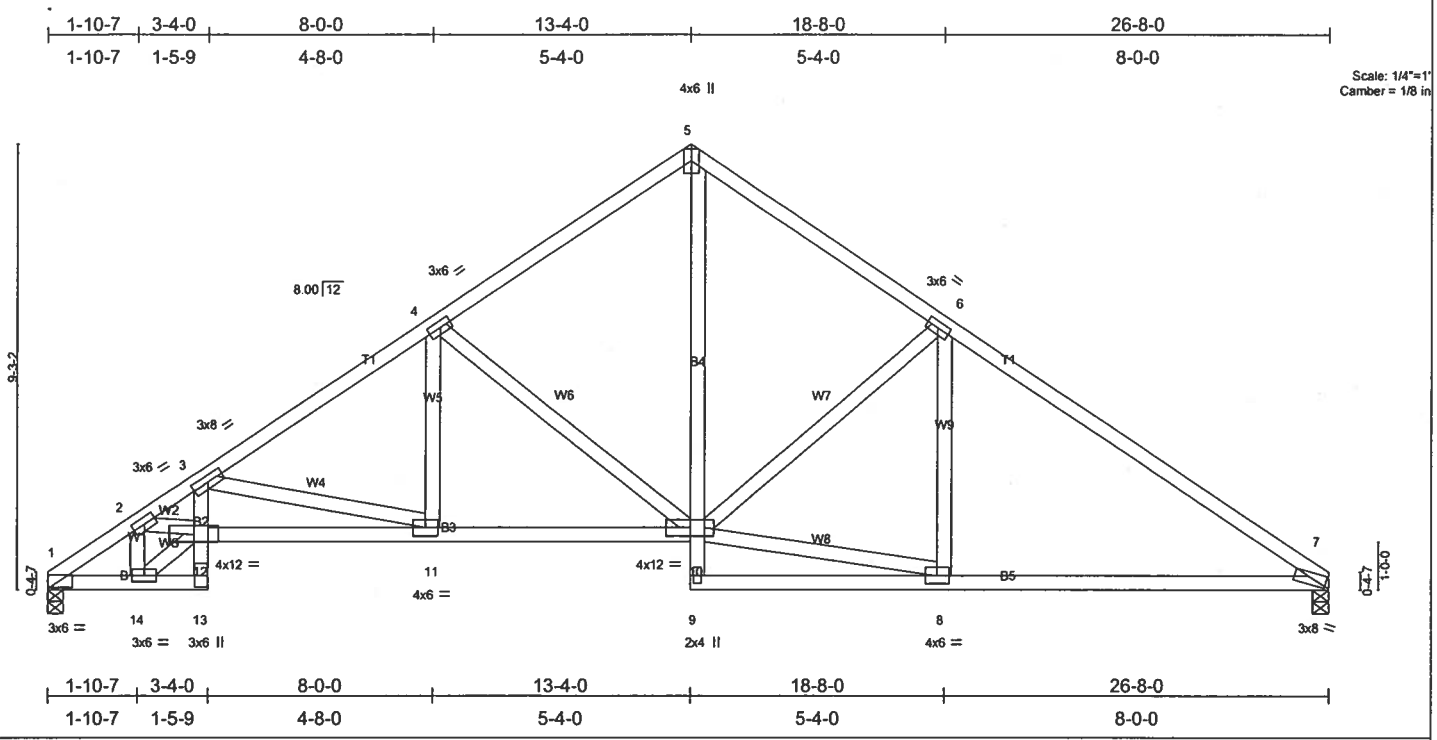

Plate Offsets (X,Y): [1:0-6-3,0-0-6], [7:0-1-1,0-0-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.51	Vert(LL)	-0.20	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.70	Vert(TL)	-0.33	7-8	>971	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.60	Horz(TL)	0.14	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 156 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except* B2 2 X 4 SYP No.3, B4 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-1-13 oc bracing.

REACTIONS (lb/size) 1=1106/0-4-0, 7=1106/0-4-0
Max Horz 1=-310(load case 3)
Max Uplift1=-350(load case 5), 7=-350(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1670/519, 2-3=-3182/1103, 3-4=-1776/585, 4-5=-1195/450, 5-6=-1224/481, 6-7=-1582/480
BOT CHORD 1-14=-501/1303, 13-14=-103/230, 12-13=-36/117, 3-12=-326/993, 11-12=-1040/2780, 10-11=-437/1442, 9-10=0/55, 5-10=-351/993, 8-9=-25/41, 7-8=-283/1216
WEBS 2-14=-1003/396, 12-14=-525/1416, 2-12=-469/1334, 3-11=-1375/621, 4-11=-100/453, 4-10=-662/366, 8-10=-264/1196, 6-10=-408/323, 6-8=0/81

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 Interior(1) 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 350 lb uplift at joint 1 and 350 lb uplift at joint 7.

LOAD CASE(S) Standard

FEBRUARY 28,2007 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.#0228071530

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	T24	SPECIAL	1	3	Job Reference (optional)

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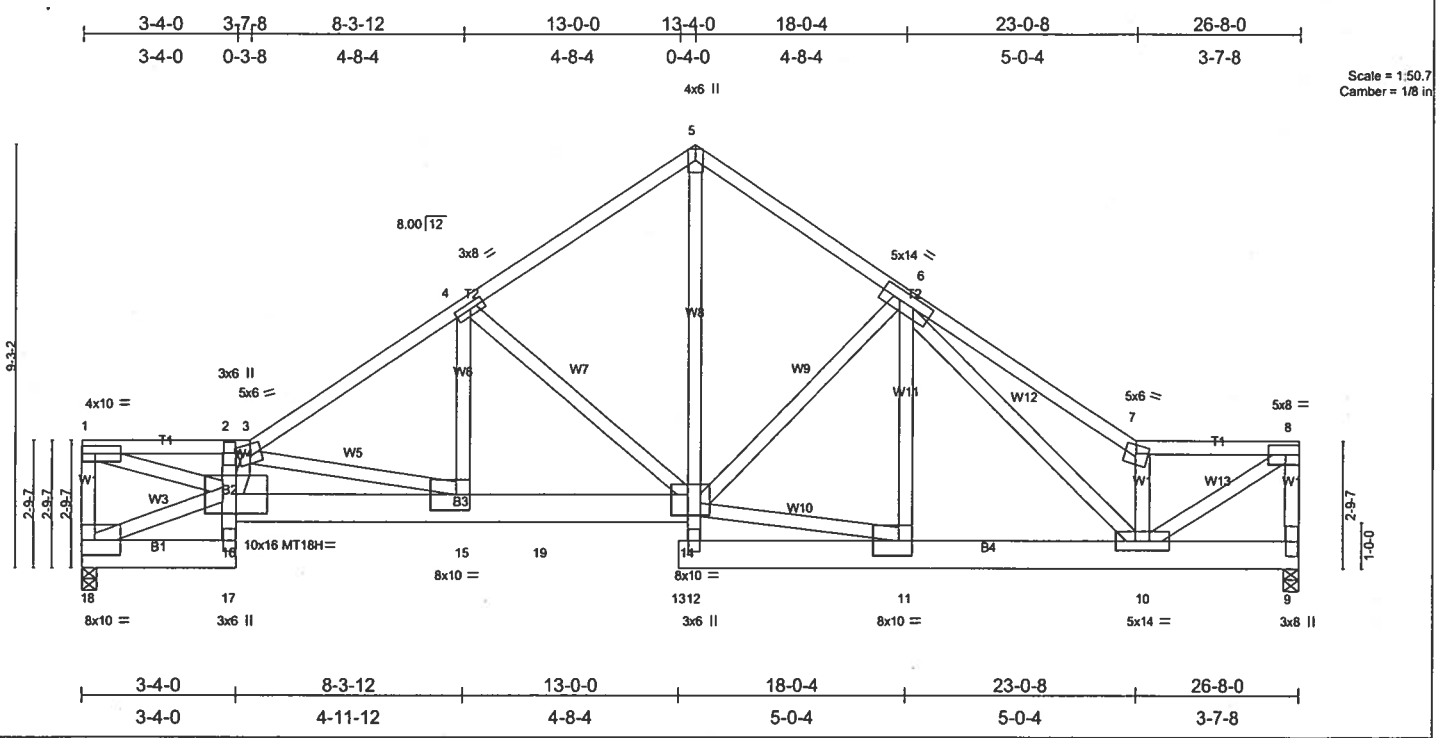

Plate Offsets (X,Y): [11:0-3-8,0-4-0], [14:0-4-4,0-5-4], [15:0-3-8,0-4-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.68	Vert(LL)	-0.22	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.90	Vert(TL)	-0.35	14-15	>898	180	MT18H	244/190
BCLL	10.0	Rep Stress Incr	NO	WB	0.86	Horz(TL)	0.15	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 672 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP 2400F 2.0E *Except*
B2 2 X 4 SYP No.1D
WEBS 2 X 4 SYP No.3 *Except*
W2 2 X 4 SYP No.2, W13 2 X 4 SYP No.2, W8 2 X 4 SYP No.2

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

REACTIONS (lb/size) 18=7243/0-4-0, 9=7500/0-4-0
Max Horz 18=897(load case 3)
Max Uplift18=-3116(load case 4), 9=-3298(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-18=-5954/2711, 1-2=-13062/5943, 2-3=-13642/6375, 3-4=-11544/5183, 4-5=-7790/3522, 5-6=-7585/3435, 6-7=-10817/4813, 7-8=-8613/3792, 8-9=-6007/2640
BOT CHORD 17-18=-1242/2170, 16-17=-367/771, 2-16=-64/139, 15-16=-7072/15242, 15-19=-4275/9603, 14-19=-4275/9603, 12-13=0/0, 11-12=-121/274, 10-11=-3474/7928, 9-10=-154/322
WEBS 16-18=-1968/546, 1-16=-6351/13943, 3-16=-5067/2208, 3-15=-5859/2906, 4-15=-2145/4661, 4-14=-4302/2038, 6-11=-873/1956, 6-10=-749/1606, 7-10=-6049/2704, 8-10=-4463/10127, 11-14=-3424/7817, 12-14=-474/1075, 5-14=-3732/8186, 6-14=-2371/1129

NOTES
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 2 rows at 0-7-0 oc, 2 X 4 - 1 row at 0-7-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) 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.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 3116 lb uplift at joint 18 and 3298 lb uplift at joint 9.
8) Girder carries tie-in span(s): 23-6-8 from 0-0-0 to 10-0-0; 25-6-8 from 10-0-0 to 26-8-0

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-5=-54, 5-7=-54, 7-8=-54, 17-18=-475(F=-445), 16-19=-475(F=-445), 14-19=-517(F=-487), 12-13=-487(F), 9-12=-517(F=-487)

FEBRUARY 28,2007 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.#0228071531

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	T25G	GABLE	1	1	Job Reference (optional)

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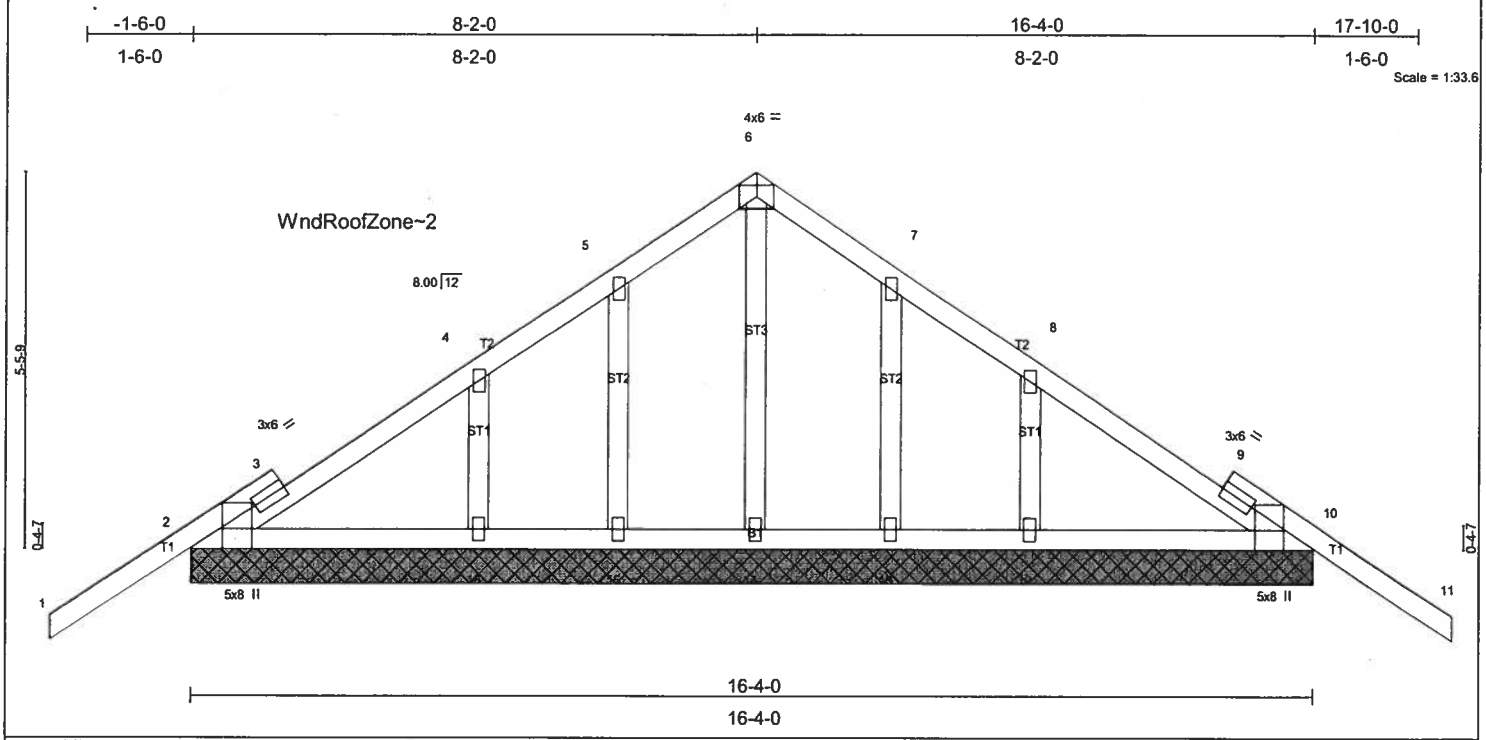

Plate Offsets (X,Y): [2:0-3-8,Edge], [10:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.50	Vert(LL)	-0.03	11	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	-0.04	11	n/r	90		
BCLL	10.0	Rep Stress Incr	NO	WB	0.16	Horz(TL)	0.00	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 88 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 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 2=509/16-4-0, 10=509/16-4-0, 14=403/16-4-0, 15=210/16-4-0, 16=484/16-4-0, 13=210/16-4-0, 12=484/16-4-0
Max Horz 2=-185(load case 3)
Max Uplift2=-265(load case 5), 10=-285(load case 6), 14=-8(load case 5), 15=-134(load case 5), 16=-191(load case 5), 13=-130(load case 6), 12=-197(load case 6)
Max Grav 2=514(load case 9), 10=514(load case 10), 14=403(load case 1), 15=214(load case 9), 16=484(load case 9), 13=214(load case 10), 12=484(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-15/123, 2-3=-111/117, 3-4=-112/191, 4-5=-39/117, 5-6=0/156, 6-7=0/156, 7-8=-19/117, 8-9=-51/191, 9-10=-51/56, 10-11=-15/123
BOT CHORD 2-16=-64/183, 15-16=-64/183, 14-15=-64/183, 13-14=-64/183, 12-13=-64/183, 10-12=-64/183
WEBS 6-14=-328/22, 5-15=-184/140, 4-16=-361/217, 7-13=-184/136, 8-12=-361/222

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 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 265 lb uplift at joint 2, 285 lb uplift at joint 10, 8 lb uplift at joint 14, 134 lb uplift at joint 15, 191 lb uplift at joint 16, 130 lb uplift at joint 13 and 197 lb uplift at joint 12.
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: 1-6=-114(F=-60), 6-11=-114(F=-60), 2-10=-30

FEBRUARY 28,2007 TRUSS DESIGN ENGINEER:
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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. ER 9196
16105 N. FLORIDA AVE. STE B. LUTZ, FL 33549

Dwg.#0228071532

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	T26	SPECIAL	3	1	Job Reference (optional)

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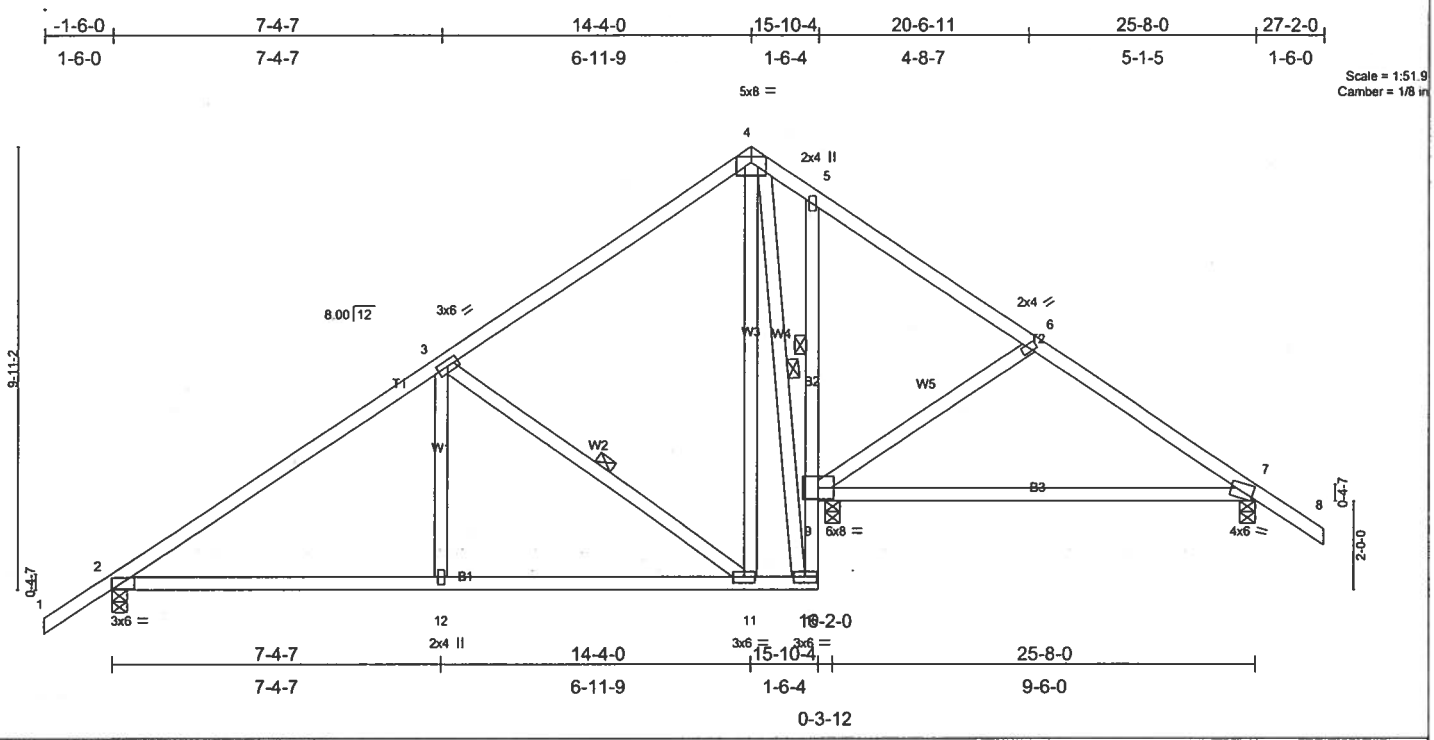

Plate Offsets (X,Y): [2:0-3-9,0-1-8], [7:0-1-1,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.35	Vert(LL)	0.39	7-9	>298	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.82	Vert(TL)	0.32	7-9	>368	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.35	Horz(TL)	0.02	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 158 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3
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 6-0-0 oc bracing. Except:
1 Row at midpt 5-9
WEBS 1 Row at midpt 3-11, 4-10

REACTIONS (lb/size) 2=696/0-4-0, 9=1186/0-4-0, 7=426/0-4-0
Max Horz 2=331(load case 4)
Max Uplift2=-317(load case 5), 9=-434(load case 5), 7=-439(load case 6)
Max Grav 2=700(load case 9), 9=1186(load case 1), 7=426(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-729/319, 3-4=-156/292, 4-5=-143/317, 5-6=-62/257, 6-7=-236/340, 7-8=0/45
BOT CHORD 2-12=-251/521, 11-12=-251/521, 10-11=-26/158, 9-10=-369/790, 5-9=-169/128, 7-9=-143/166
WEBS 3-12=0/258, 3-11=-597/362, 4-11=-179/492, 4-10=-811/345, 6-9=-287/288

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 Interior(1) 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.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 317 lb uplift at joint 2, 434 lb uplift at joint 9 and 439 lb uplift at joint 7.

LOAD CASE(S) Standard

FEBRUARY 28,2007 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.#0228071533

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	T26G	GABLE	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 27 16:31:29 2007 Page 1

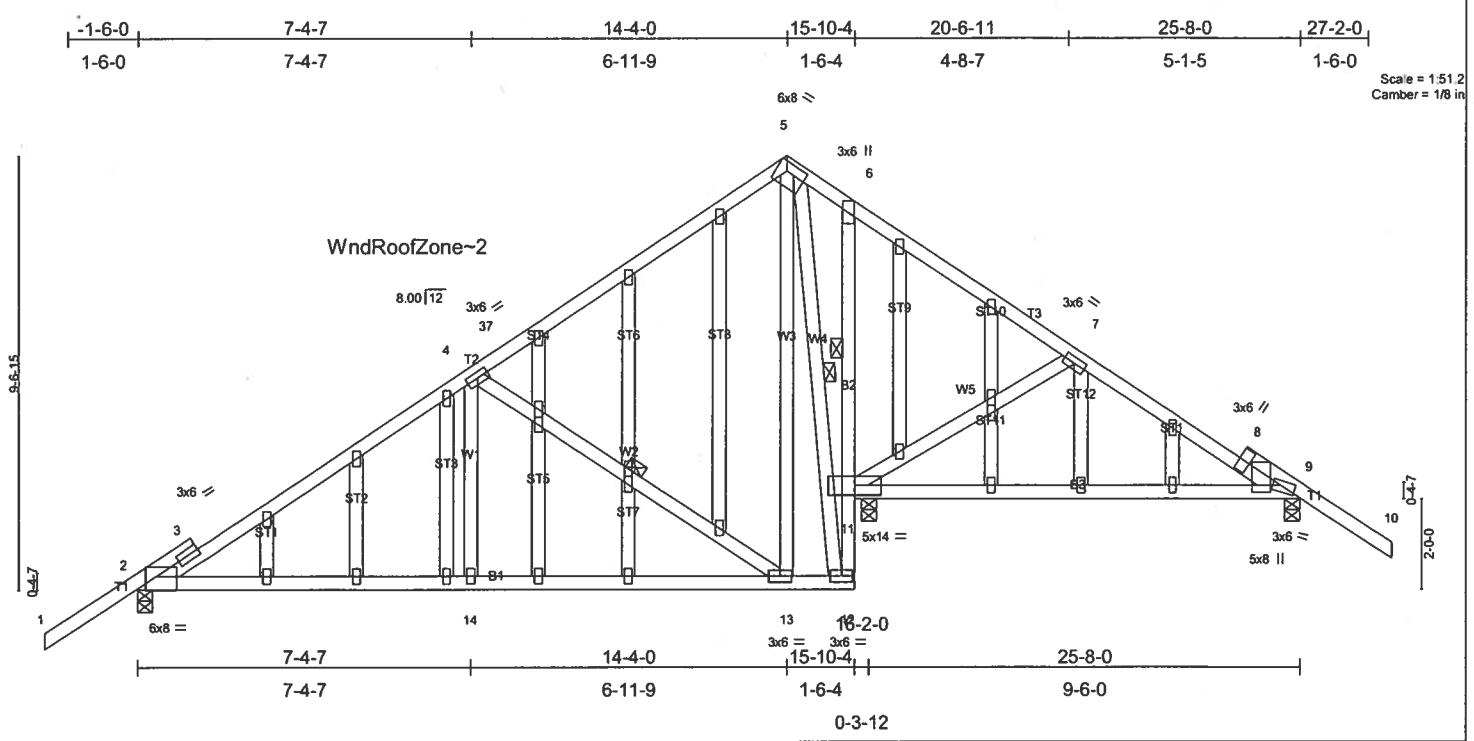

Plate Offsets (X,Y): [2:0-2-9,Edge], [5:0-5-4,0-2-4], [8:Edge,0-2-0], [9:0-1-6,0-7-12], [9:0-1-14,0-0-1]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.83	Vert(LL)	0.35	9-11	>339	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.65	Vert(TL)	0.28	9-11	>418	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.51	Horz(TL)	0.02	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 218 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 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-2-11 oc bracing. Except:
1 Row at midpt 6-11
WEBS 1 Row at midpt 4-13, 5-12

REACTIONS (lb/size) 2=822/0-4-0, 9=875/0-4-0, 11=1835/0-4-0
Max Horz 2=379(load case 4)
Max Uplift2=-409(load case 5), 9=-750(load case 6), 11=-889(load case 5)
Max Grav 2=828(load case 9), 9=876(load case 10), 11=1835(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/60, 2-3=-940/412, 3-4=-765/451, 4-37=-300/342, 5-37=-131/295, 5-6=-208/269, 6-7=-103/263, 7-8=-482/513, 8-9=-581/536, 9-10=-47/126
BOT CHORD 2-14=-405/734, 13-14=-405/734, 12-13=-66/86, 11-12=-617/1222, 6-11=-246/167, 9-11=-286/401
WEBS 4-14=0/256, 4-13=-778/457, 5-13=-246/583, 5-12=-1259/612, 7-11=-573/551

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; 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.
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 studs spaced at 2-0-0 oc.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 409 lb uplift at joint 2, 750 lb uplift at joint 9 and 889 lb uplift at joint 11.
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: 1-37=-54, 5-37=-114(F=-60), 5-10=-114(F=-60), 2-12=-30, 9-11=-30

FEBRUARY 28,2007 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.#0228071534

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	T27	SPECIAL	1	2	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 27 16:31:30 2007 Page 1

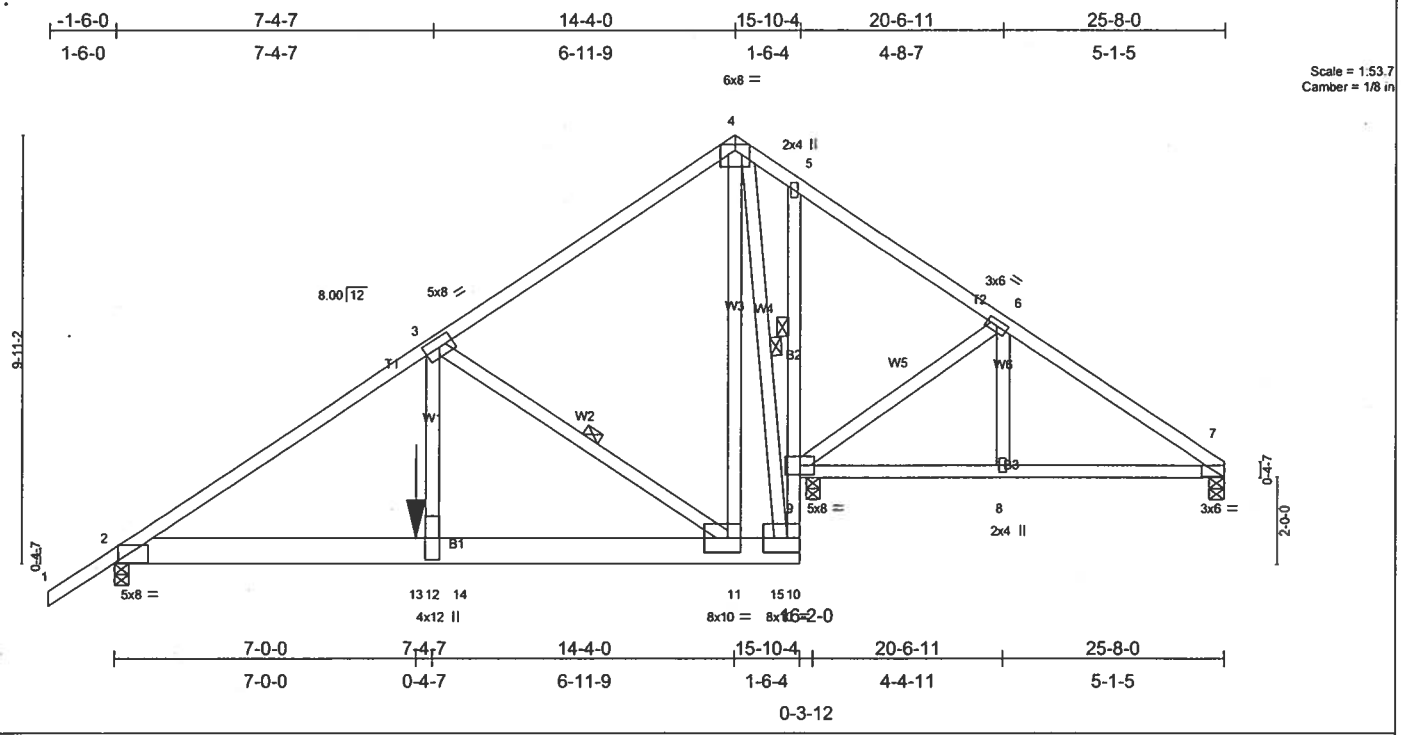

Plate Offsets (X,Y): [2:0-4-0,0-1-9], [7:0-3-9,0-1-8], [11:0-3-8,0-4-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.33	Vert(LL)	-0.16	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.88	Vert(TL)	-0.25	11-12	>733	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.81	Horz(TL)	0.01	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 366 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B1 2 X 8 SYP 2400F 2.0E, B2 2 X 4 SYP No.1D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-3-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
1 Row at midpt 5-9
WEBS 1 Row at midpt 3-11, 4-10

REACTIONS (lb/size) 7=635/0-4-0, 2=3596/0-4-0, 9=5156/0-4-0
Max Horz 2=346(load case 3)
Max Uplift7=-305(load case 5), 2=-1437(load case 4), 9=-1833(load case 4)
Max Grav 7=635(load case 1), 2=3602(load case 8), 9=5156(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/50, 2-3=-6086/2332, 3-4=-1296/695, 4-5=-565/519, 5-6=-492/393, 6-7=-882/444
BOT CHORD 2-13=-1986/4972, 12-13=-1986/4972, 12-14=-1986/4972, 11-14=-1986/4972, 11-15=-393/985, 10-15=-393/985, 9-10=-1684/4563, 5-9=-414/242, 8-9=-280/665, 7-8=-280/665
WEBS 3-12=-1791/5019, 3-11=-4846/1982, 4-11=-1923/4954, 4-10=-4188/1550, 6-9=-378/242, 6-8=0/189

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 2 rows at 0-7-0 oc, 2 X 4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) 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.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 305 lb uplift at joint 7, 1437 lb uplift at joint 2 and 1833 lb uplift at joint 9.
6) Girder carries tie-in span(s): 30-8-0 from 8-0-0 to 25-8-0; 30-8-0 from 8-0-0 to 15-4-0
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2807 lb down and 1060 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 2-14=-30, 14-15=-625(F=-595), 10-15=-30, 7-9=-30
Concentrated Loads (lb)
Vert: 13=-2807(F)

FEBRUARY 28,2007 TRUSS DESIGN ENGINEER:
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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0228071535

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	T29G	GABLE	1	1	Job Reference (optional)

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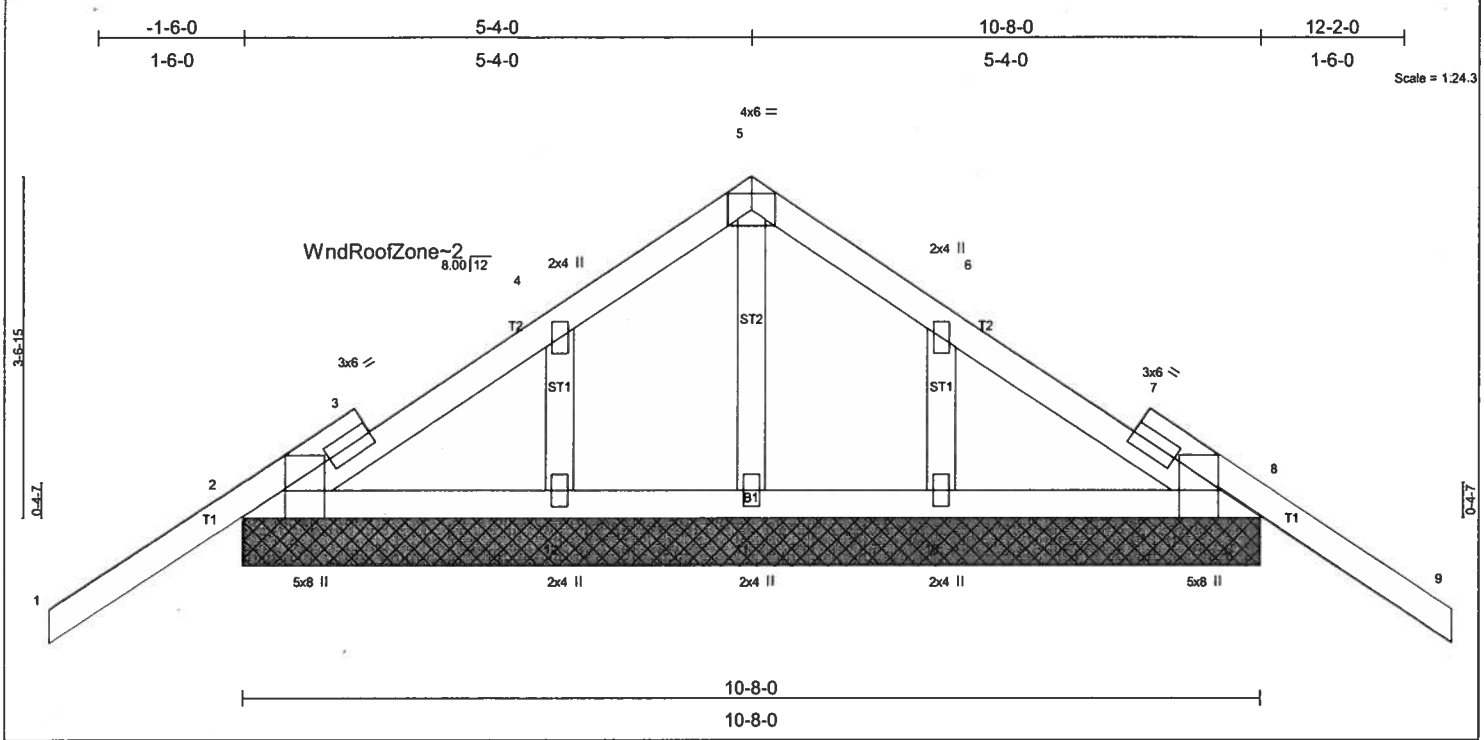

Plate Offsets (X,Y): [2:0-3-8,Edge], [8:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.50	Vert(LL)	-0.04	9	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.05	Vert(TL)	-0.06	9	n/r	90		
BCLL	10.0	Rep Stress Incr	NO	WB	0.05	Horz(TL)	0.00	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 55 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 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 2=506/10-8-0, 8=506/10-8-0, 11=257/10-8-0, 12=361/10-8-0, 10=361/10-8-0
Max Horz 2=120(load case 4)
Max Uplift2=-298(load case 5), 8=-313(load case 6), 11=-22(load case 5), 12=-126(load case 5), 10=-130(load case 6)
Max Grav 2=506(load case 1), 8=506(load case 1), 11=257(load case 1), 12=365(load case 9), 10=365(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-15/123, 2-3=-82/90, 3-4=-49/96, 4-5=-60/137, 5-6=-60/137, 6-7=-10/96, 7-8=-82/61, 8-9=-15/123
BOT CHORD 2-12=-16/118, 11-12=-16/118, 10-11=-16/118, 8-10=-16/118
WEBS 5-11=-213/24, 4-12=-280/159, 6-10=-280/162

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 MiTek "Standard Gable End Detail"
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 298 lb uplift at joint 2, 313 lb uplift at joint 8, 22 lb uplift at joint 11, 126 lb uplift at joint 12 and 130 lb uplift at joint 10.
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: 1-5=-114(F=-60), 5-9=-114(F=-60), 2-8=-30

FEBRUARY 28,2007 TRUSS DESIGN ENGINEER:
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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B. LUTZ, FL 33549

Dwg.#0228071536

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	T30	COMMON	9	1	Job Reference (optional)

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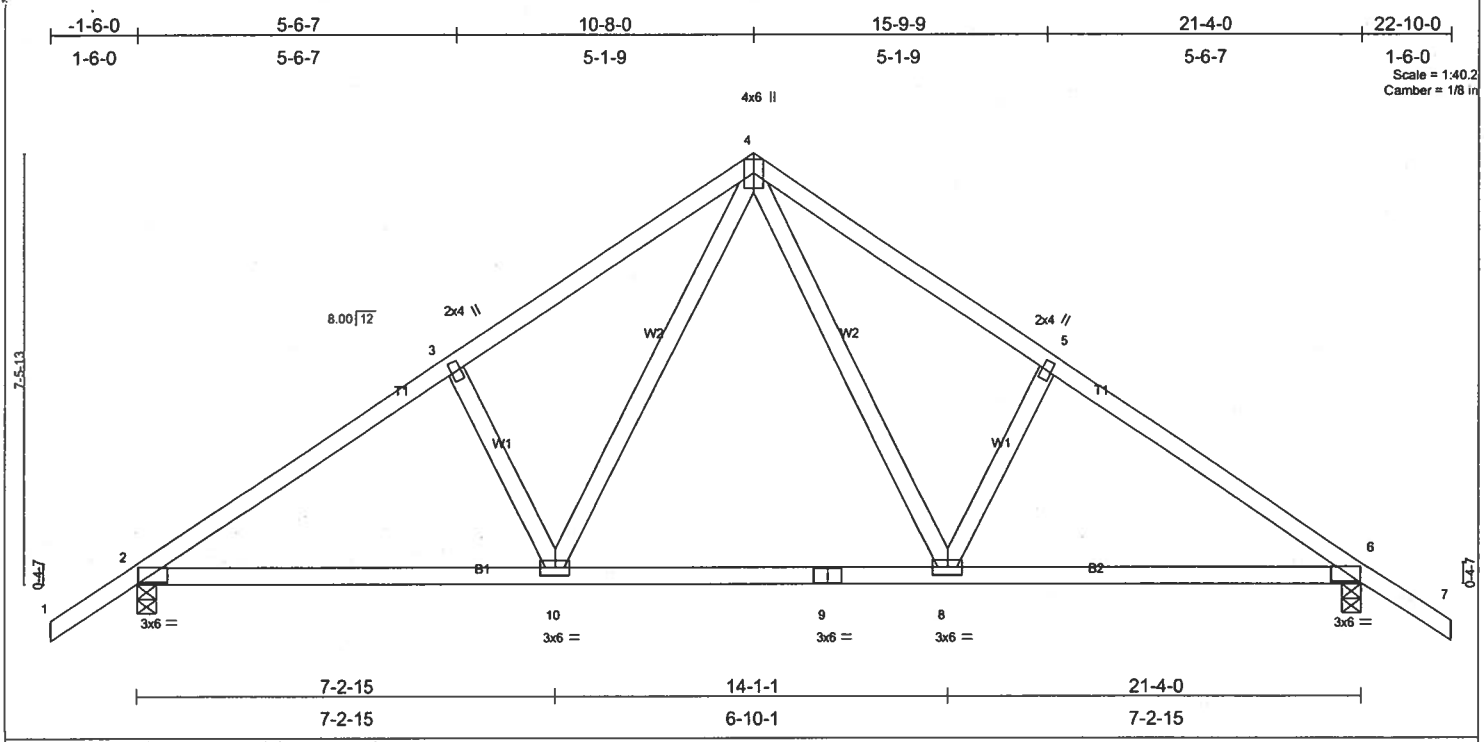

Plate Offsets (X,Y): [2:0-6-3,0-0-6], [6:0-6-3,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.24	Vert(LL)	-0.17	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.75	Vert(TL)	-0.27	8-10	>918	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.32	Horz(TL)	0.04	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 110 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 4-10-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=1143/0-4-0, 6=1143/0-4-0
Max Horz 2=-254(load case 3)
Max Uplift2=-441(load case 5), 6=-441(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-1560/493, 3-4=-1428/555, 4-5=-1428/555, 5-6=-1560/493, 6-7=0/45
BOT CHORD 2-10=-384/1217, 9-10=-154/833, 8-9=-154/833, 6-8=-301/1217
WEBS 3-10=-231/249, 4-10=-283/690, 4-8=-283/690, 5-8=-231/250

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 Interior(1) 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 441 lb uplift at joint 2 and 441 lb uplift at joint 6.
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: 1-4=-54, 4-7=-54, 2-10=-30, 8-10=-80(F=-50), 6-8=-30

FEBRUARY 28,2007 TRUSS DESIGN ENGINEER:
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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B. LUTZ. FL 33549

Dwg.#0228071537

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	T30G	GABLE	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 27 16:31:34 2007 Page 1

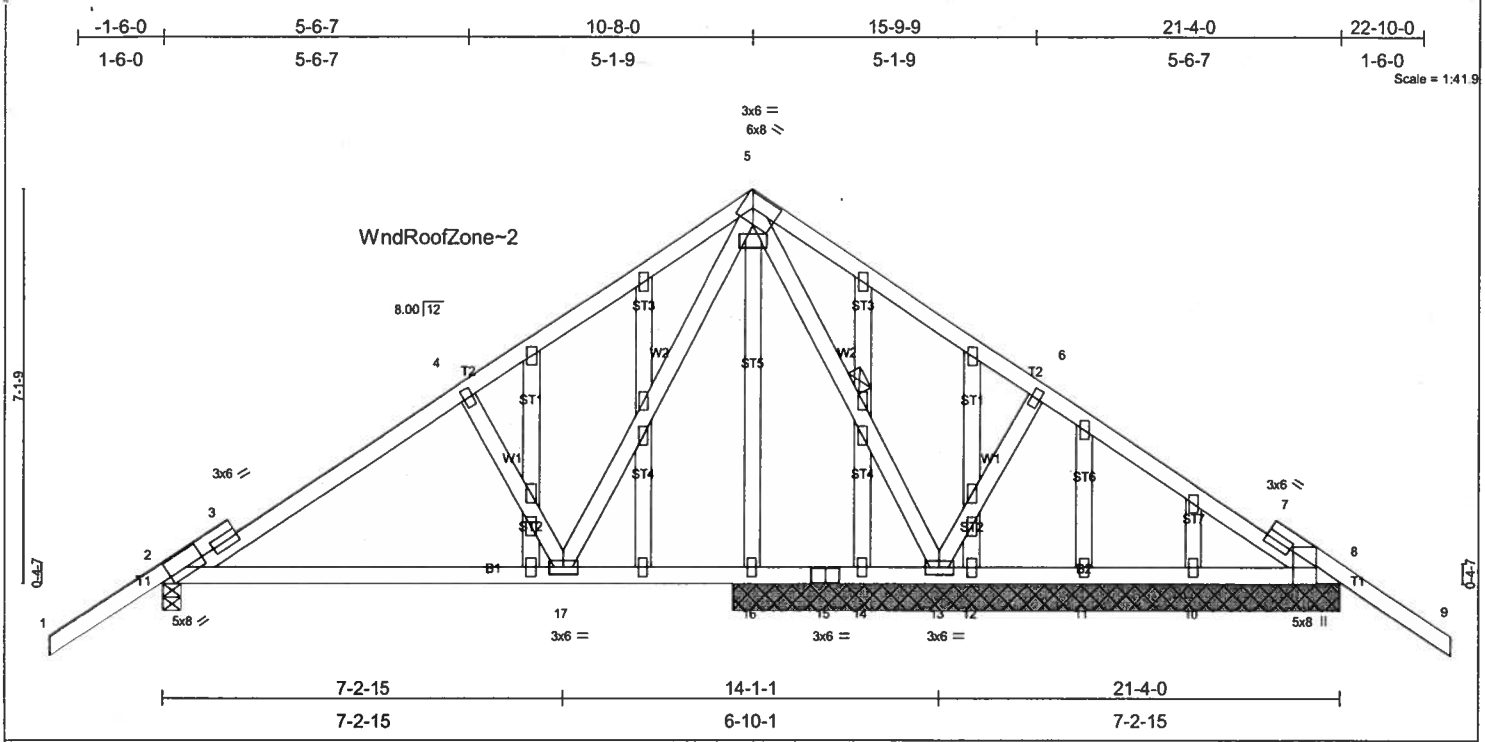

Plate Offsets (X,Y): [2:0-4-5,0-1-12], [5:0-5-7,0-3-0], [5:0-3-0,0-1-13], [8:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.62	Vert(LL)	-0.08	2-17	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.31	Vert(TL)	-0.14	2-17	>907	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.38	Horz(TL)	0.01	13	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							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
OTHERS 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 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-13

REACTIONS (lb/size) 2=808/0-4-0, 8=481/11-0-0, 13=1573/11-0-0, 16=89/11-0-0, 14=27/11-0-0, 12=57/11-0-0, 11=28/11-0-0, 10=152/11-0-0
Max Horz 2=-243(load case 3)
Max Uplift2=-371(load case 5), 8=-305(load case 6), 13=-632(load case 5), 16=-10(load case 5), 10=-30(load case 5)
Max Grav 2=810(load case 9), 8=509(load case 10), 13=1573(load case 1), 16=89(load case 1), 14=37(load case 10), 12=60(load case 10), 11=38(load case 9), 10=153(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/60, 2-3=-955/292, 3-4=-826/319, 4-5=-858/346, 5-6=-75/555, 6-7=-59/274, 7-8=-85/64, 8-9=-15/123
BOT CHORD 2-17=-265/772, 16-17=-94/245, 15-16=-94/245, 14-15=-94/245, 13-14=-94/245, 12-13=-115/166, 11-12=-115/166, 10-11=-115/166, 8-10=-115/166
WEBS 4-17=-487/323, 5-17=-265/673, 5-13=-1259/459, 6-13=-496/343

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 MiTek "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 371 lb uplift at joint 2, 305 lb uplift at joint 8, 632 lb uplift at joint 13, 10 lb uplift at joint 16 and 30 lb uplift at joint 10.
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: 1-4=-54, 4-5=-141(F=-87), 5-9=-114(F=-60), 2-8=-30

FEBRUARY 28,2007 TRUSS DESIGN ENGINEER:
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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0228071538

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING LOT 14
L228645	T31	COMMON	1	2	Job Reference (optional)

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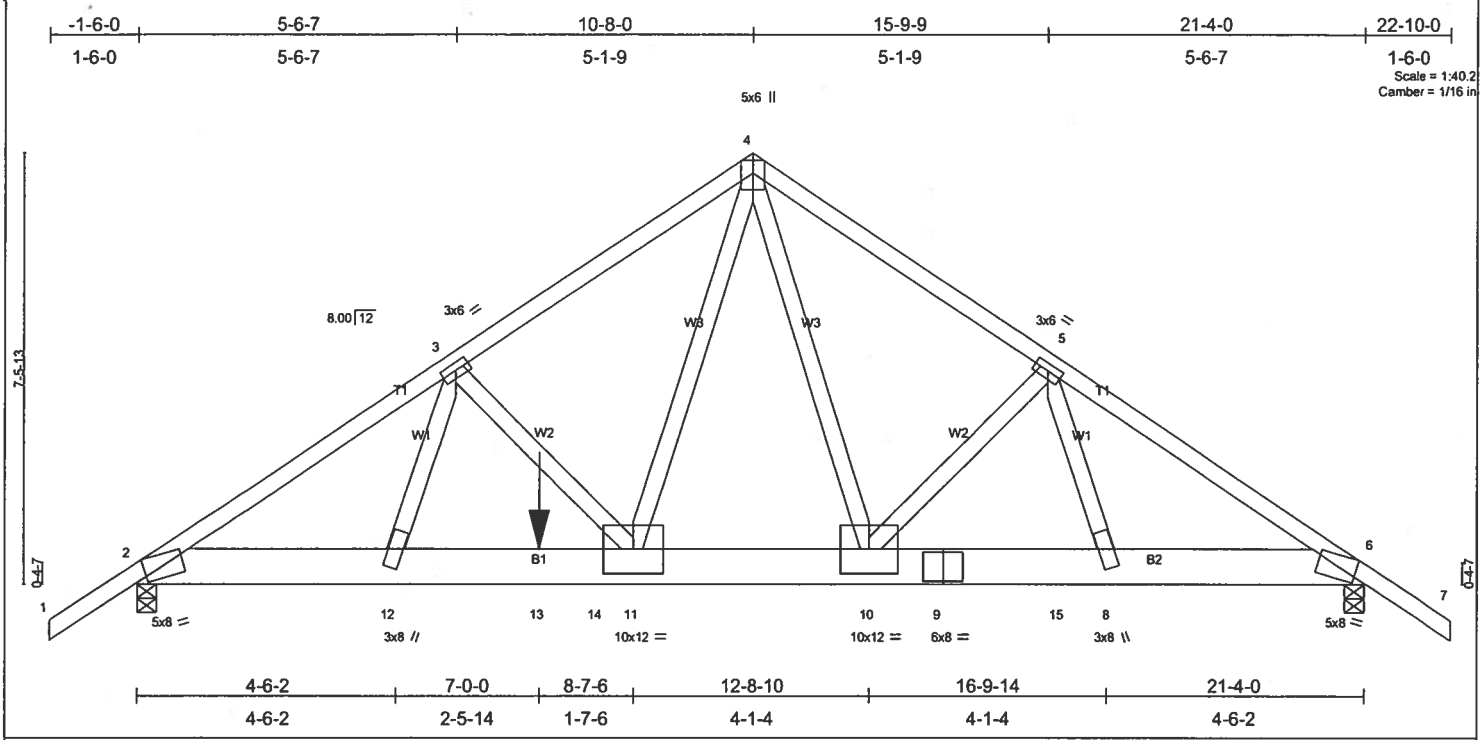


Plate Offsets (X,Y): [2:0-3-12,Edge], [6:0-3-12,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.42	Vert(LL)	-0.15	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.47	Vert(TL)	-0.23	11-12	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.75	Horz(TL)	0.05	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 306 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=5227/0-4-0, 6=6586/0-4-0
Max Horz 2=-249(load case 2)
Max Uplift2=-2017(load case 4), 6=-2562(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/50, 2-3=-8875/3276, 3-4=-7932/3054, 4-5=-7700/2977, 5-6=-9644/3606, 6-7=0/50
BOT CHORD 2-12=-2699/7309, 12-13=-2624/7043, 13-14=-2624/7043, 11-14=-2624/7043, 10-11=-1852/5236, 9-10=-2678/7340, 9-15=-2678/7340, 8-15=-2678/7340, 6-8=-2899/7956
WEBS 3-12=-266/895, 3-11=-781/408, 4-11=-1799/4662, 4-10=-1569/3972, 5-10=-1535/714, 5-8=-765/2064

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 2 rows at 0-4-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) 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.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2017 lb uplift at joint 2 and 2562 lb uplift at joint 6.
6) Girder carries tie-in span(s): 30-8-0 from 8-0-0 to 16-0-0; 23-6-8 from 16-0-0 to 21-4-6
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2808 lb down and 1060 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

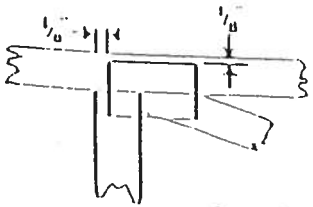
LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 2-14=-30, 14-15=-625(F=-595), 6-15=-475(F=-445)
Concentrated Loads (lb)
Vert: 13=-2808(F)

FEBRUARY 28,2007 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 seat.



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

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

PLATE SIZE

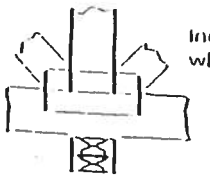
4 X 4

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

LATERAL BRACING

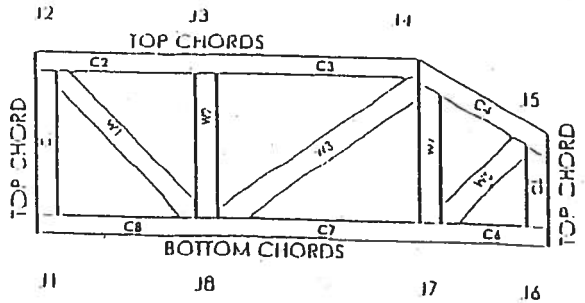
Indicates location of required continuous lateral bracing

BEARING



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

Numbering System



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

WEBS ARE NUMBERED FROM LEFT TO RIGHT

CONNECTOR PLATE CODE APPROVALS

BOCA	96-31, 96-67
ICBO	3907, 4922
SBCCI	9667, 9432A
WISC/DILLER	960022-W, 970036-H
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.

~~#29562~~

25962

Donald F. Lee & Associates, Inc.

Surveyors & Engineers

D.F.L.

140 NW Ridgewood Avenue
Lake City, Florida 32055
(386) 755-6166
Fax (386) 755-6167
donald@dfla.com

Tuesday, July 10, 2007

FROM: Tim Delbene, P.L.S.

TO: Columbia County Building & Zoning Dept.

CC: Adams Framing

RE: Floor Elevation Check – Lot 13 Rolling Meadows

We have obtained elevations on the proposed floor (stemwall) of a house under construction on the above referenced Lot. The elevations are based on Local Benchmark Datum. The results are as follows:

Floor Elevation: 107.48'

The Record plat of the subdivision indicates a Minimum Floor elevation of 107.00' for the referenced Lot.

SIGNED: Timothy A. Delbene

Timothy A. Delbene, P.L.S.
Florida Reg. Cert. No. 5594

DATE: 7/10/2007.

25962

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Timothy A. Delbene, P.L.S.
Florida Reg. Cert. No. 5594

DATE: 7/10/2007.

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 15-4S-16-03023-513 **Building permit No.** 000025962

Use Classification SFD, UTILITY **Fire:** 70.62

Permit Holder ADAM PAPKA **Waste:** 184.25

Owner of Building ADAM PAPKA **Total:** 254.87

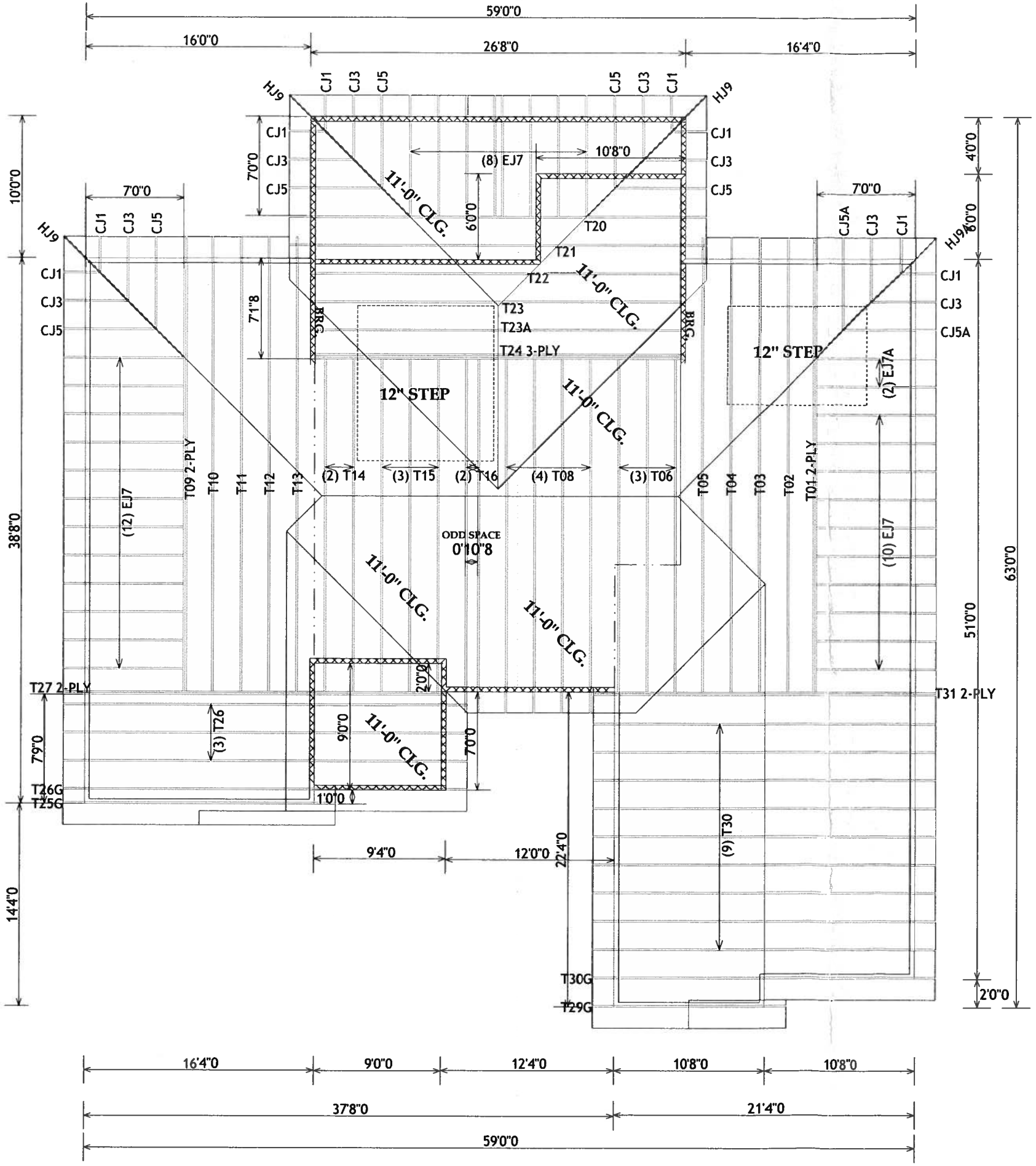
Location: 381 SW MORNING GLORY DR., LAKE CITY, FL

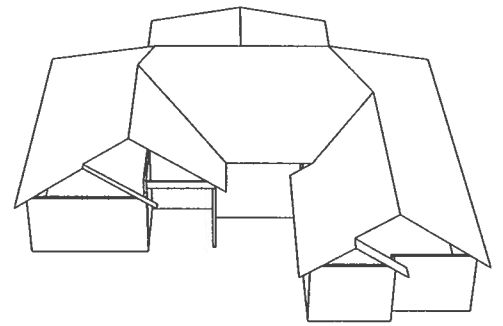
Date: 11/02/2007

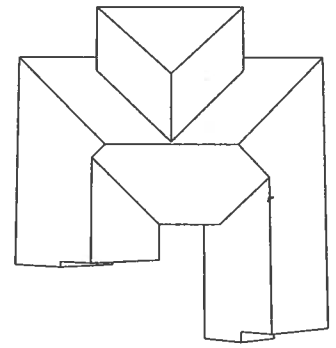
Wayne A. Russ

Building Inspector

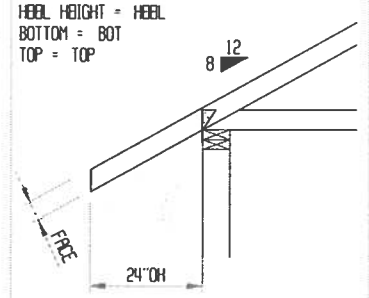
POST IN A CONSPICUOUS PLACE
(Business Places Only)





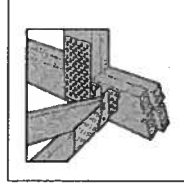
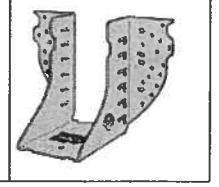


APPROVED TRUSS ANCHOR BY BUILDER
PLUMB CUT OVERHANG
HEEL HEIGHT = HEEL
BOTTOM = BOT
TOP = TOP



TRUSS END DETAIL

HANGER SCHEDULE

TRUSS HANGER INFORMATION Check TRUSS ENGINEERING For gravity and uplift values if the value exceeds the capacity of a hanger	
(25)HTU26	(2)HGUS26-2
	

BEARING HEIGHT SCHEDULE

9'-0"

11'-0"

OVERHANG
2'-0"

ROOF PITCH(S)
8/12

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 WOS 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: **ADAMS FRAMING LOT 14**

LEGAL ADDRESS: **COLUMBIA, FL**

MODEL: **CUSTOM**

REVISION:

SCALE: NTS

DATE: **02/27/07**

DRAWN BY: **A MONDRAGON**

JOB #: **L228645**