DATE 08/25/2008

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000027286

APPLICANT ADAM PAPKA PHONE 623-2383

ADDRESS PO BOX 1921 LAKE CITY FL 32056

OWNER ADAM PAPKA PHONE 623-2383

ADDRESS 128 SW HOLLY GLEN LAKE CITY FL 32024

CONTRACTOR ADAM PAPKA PHONE 623-2386

LOCATION OF PROPERTY 47 S, L WATER AVE, L LITTLE RD, R HOLLY GLN, 3RD ON LEFT

TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 126200.00

HEATED FLOOR AREA 1962.00 TOTAL AREA 2524.00 HEIGHT 24.00 STORIES 1

FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 9/12 FLOOR SLAB

LAND USE & ZONING AG-3 MAX. HEIGHT 35

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

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

PARCEL ID 01-5S-16-03390-018 SUBDIVISION

LOT BLOCK PHASE UNIT TOTAL ACRES 1.00

000001662 CBC1253409

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

WAIVER 08-530 BK WR N

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

COMMENTS: SECTION 14.9 SPECIAL FAMILY LOT PERMIT

FLOOR ONE FOOT ABOVE THE ROAD

Check # or Cash 1520

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 $ 635.00 CERTIFICATION FEE $ 12.62 SURCHARGE FEE $ 12.62

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

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ **TOTAL FEE** 735.24

INSPECTORS OFFICE L. Hall CLERKS OFFICE CH

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

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

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED TO BE IN ACTIVE PROGESS WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS.

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

Attention: Wesci

Columbia County Building Department
Culvert Waiver

Culvert Waiver No. 000001662

DATE: 08/25/2008 BUILDING PERMIT NO. 27286

APPLICANT ADAM PAPKA PHONE 623-2383

ADDRESS PO BOX 1921 LAKE CITY FL 32056

OWNER ADAM PAPKA PHONE 623-2383

ADDRESS 128 SW HOLLY GLEN LAKE CITY FL 32024

CONTRACTOR ADAM PAPKA PHONE 623-233

LOCATION OF PROPERTY 47 S, L WALTER AVE, L LITTLE RD, R HOLLEY GLEN, 3RD ON LEFT

PRIVATE ROAD

BLUE SIGN - GATED ROAD

SUBDIVISION/LOT/BLOCK/PHASE/UNIT

PARCEL ID # 01-5S-16-03390-018

I HEREBY CERTIFY THAT I UNDERSTAND AND WILL FULLY COMPLY WITH THE DECISION OF THE COLUMBIA COUNTY PUBLIC WORKS DEPARTMENT IN CONNECTION WITH THE HEREIN PROPOSED APPLICATION.

SIGNATURE:

A SEPARATE CHECK IS REQUIRED
MAKE CHECKS PAYABLE TO BCC

Amount Paid 50.00

PUBLIC WORKS DEPARTMENT USE ONLY

I HEREBY CERTIFY THAT I HAVE EXAMINED THIS APPLICATION AND DETERMINED THAT THE CULVERT WAIVER IS:

✓ APPROVED _____ NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS: This waiver is located on PRIVATE RD.

SIGNED: [signature] DATE: 8/27/08

ANY QUESTIONS PLEASE CONTACT THE PUBLIC WORKS DEPARTMENT AT 386-752-5955.

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

RECEIVED
AUG 26 2008
By

COLUMBIA COUNTY, LAKE CITY, FLORIDA

Ck 1520
Ck 1521 Waiver

Columbia County Building Permit Application

For Office Use Only Application # 0808-01 Date Received 8/1/08 By CF Permit # 27286/1662

Zoning Official BLK Date 12.08.08 Flood Zone X FEMA Map # N/A Zoning A-3

Land Use A-3 Elevation N/A MFE 1ft above Rd River N/A Plans Examiner (WE) Date 8/12/08

Comments Section 14.7 Special Family Lot Permit

□ NOC ☒ EH ☒ Deed or PA ☒ Site Plan □ State Road Info □ Parent Parcel #

□ Dev Permit # □ In Floodway ☒ Letter of Authorization from Contractor

□ Unincorporated area □ Incorporated area □ Town of Fort White □ Town of Fort White Compliance letter

Septic Permit No. 08-530 Fax 752-2282

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

Address 387 SW Kenyon Lake City FL 32024

Owners Name Adam Papka Phone 623-2383

911 Address 128 SW Holly GLN Lake City FL 32024

Contractors Name Adam Papka of Adam's Framed Construction 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 Evan Beamsley/Mark Disosway POB 868 Lake City FL 32056

Mortgage Lenders Name & Address 1st Federal Lake City FL

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

Property ID Number 01-5516-03390-018 Estimated Cost of Construction 165K

Subdivision Name NA Lot ____ Block ____ Unit ____ Phase ____

Driving Directions State Rd 47, L on Walter Ave, L on Little Road, R on Holly Glen, Site on left

Number of Existing Dwellings on Property 0

Construction of Single family dwelling Total Acreage 1 Lot Size 1 acre

Do you need a - Culvert Permit or (Culvert Waiver) or Have an Existing Drive Total Building Height 24'

Actual Distance of Structure from Property Lines - Front 50' Side 167' Side 167' Rear 245'

Number of Stories 1 Heated Floor Area 1962 Total Floor Area ~~1962~~ 2524 Roof Pitch 9-12

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.

left message 8/13/08

Columbia County Building Permit Application **Application #** _____

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCMENT MAY RESULT YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment
According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, tl people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or ot services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE:
YOU ARE HEREBY NOTIFIED as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lo for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.

X _____
Owners Signature

Affirmed under penalty of perjury to by the Owner and subscribed before me this 28 **day of** July **20** 08

Personally known ✓ **or Produced Identification** _____

_____ **SEAL:**
State of Florida Notary Signature (For the Owner)

NOTARY PUBLIC-STATE OF FLORIDA
Linda R. Roder
Commission # DD755608
Expires: MAR. 24, 2012
BONDED THRU ATLANTIC BONDING CO., INC.

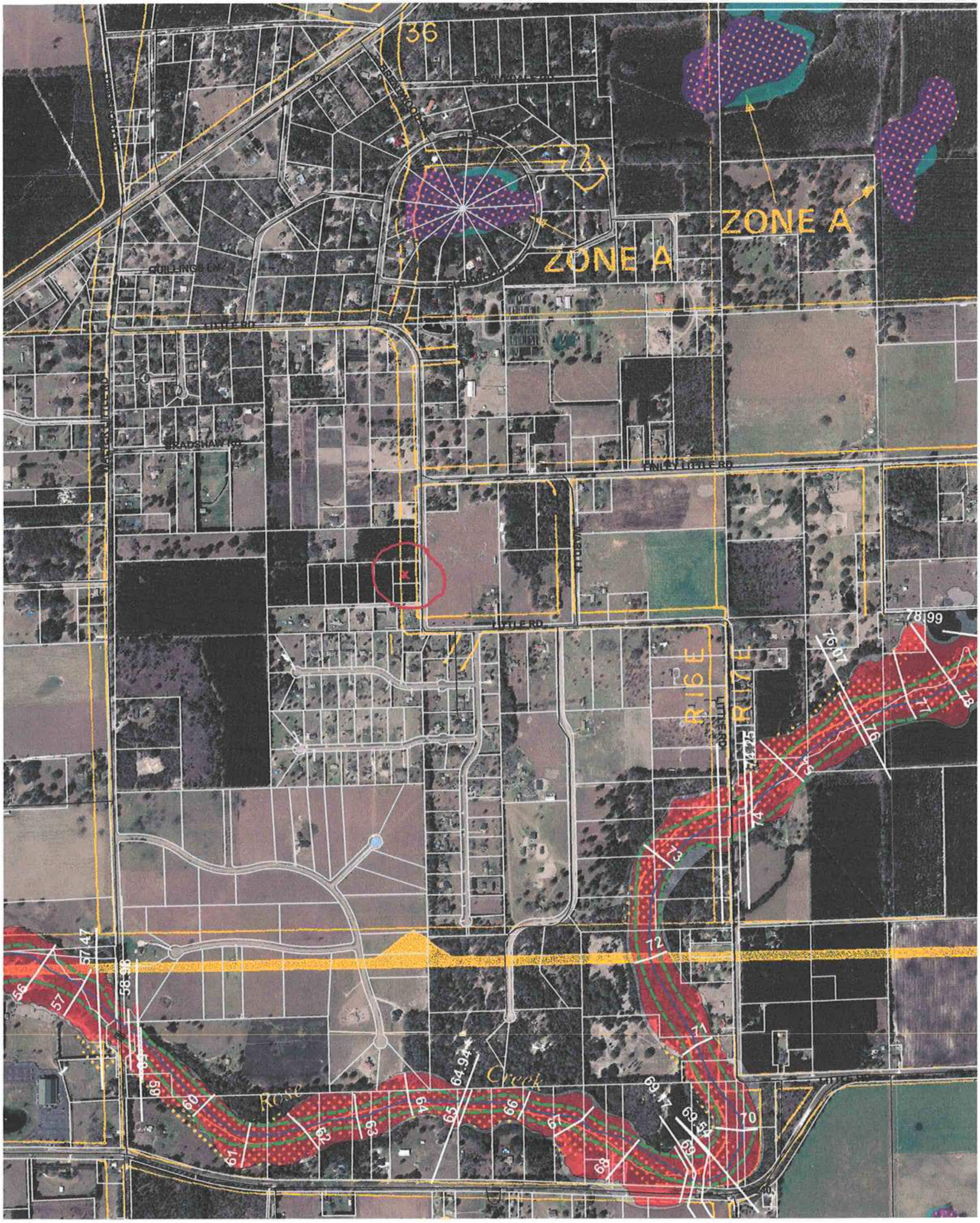
CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit.

X _____
Contractor's Signature (Permitee) **Contractor's License Number** CBC 1253409

Columbia County
Competency Card Number _____

NOTARY PUBLIC-STATE OF FLORIDA
Linda R. Roder
Commission # DD755608
Expires: MAR. 24, 2012
BONDED THRU ATLANTIC BONDING CO., INC.

Affirmed under penalty of perjury to by the Contractor and subscribed before me this _____ **day of** _____



36
ZONE A
ZONE A
CULLINGS LN
LITTLE RD
BRADSHAW RD
FINLEY LITTLE RD
LITTLE RD
RISE
RIZE
78.99
76.07
57.47
58.98
64.94
69.17
69.54
Rose
Creek

0808-01

Adam Papka Permit

Notice of Authorization

I, Adam Papka, hereby authorize Linda Roder or Melanie Roder to be my Representative and act on my behalf in all aspects for applying for a Building Permit to be located in Columbia County.

X _____ 7-22-08

Contractor's Signature Date

Sworn to and Subscribed before me this 28 day of July, 2008 by _____, who

✓ is Personally Known or

_____ has produced _____ as identification.

_____

Notary Public

Notary Stamp

NOTARY PUBLIC-STATE OF FLORIDA
Linda R. Roder
Commission # DD755608
Expires: MAR. 24, 2012
BONDED THRU ATLANTIC BONDING CO., INC.

Prepared by & Return to:

Sierra Title, LLC
619 SW Baya Drive, Suite 102
Lake City, Florida 32025

File Number: 08-0274

Inst:200812013947 Date:7/25/2008 Time:2:19 PM
Doc Stamp-Deed:273.00
DC,P.DeWitt Cason,Columbia County Page 1 of 2 B:1155 P:897

General Warranty Deed

Made this June 27, 2008 A.D. By **Robert Stewart and Ellen Stewart, Husband and Wife,** hereinafter called the grantor, to **Adam Papka and his wife, Leah Papka,** whose post office address is: P.O. Box 2963, Lake City, Florida 32056, hereinafter called the grantee:

(Whenever used herein the term "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations)

Witnesseth, that the grantor, for and in consideration of the sum of Ten Dollars, ($10.00) and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situate in Columbia County, Florida, viz:

See Attached Schedule "A"

N.B. The grantee Leah Papka is the sister of the grantor Ellen Stewart

Said property is not the homestead of the Grantor(s) under the laws and constitution of the State of Florida in that neither Grantor(s) or any members of the household of Grantor(s) reside thereon.

Parcel ID Number: **01-5S-16-03390-018**

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

To Have and to Hold, the same in fee simple forever.

And the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances except taxes accruing subsequent to December 31, 2007.

In Witness Whereof, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

Witness Printed Name Toni Ricard

Witness Printed Name Gabe Fitzhugh

(Seal)
Robert Stewart
Address:

(Seal)
Ellen Stewart
Address:

State of Florida
County of Columbia

The foregoing instrument was acknowledged before me this 25th day of July, 2008, by Robert Stewart and Ellen Stewart, Husband and Wife, who is/are personally known to me or who has produced N/A as identification.

Notary Public
Print Name: Toni Ricard
My Commission Expires: 2-24-2012

TONI RICARD
Commission DD 761464
Expires February 24, 2012
Bonded Thru Troy Fain Insurance 800-385-7019

DEED Individual Warranty Deed with Non-Homestead-Legal on Schedule A
Closers' Choice

AFFIDAVIT OF SUBDIVIDED REAL PROPERTY FOR USE OF IMMEDIATE FAMILY MEMBERS FOR PRIMARY RESIDENCE

STATE OF FLORIDA
COUNTY OF COLUMBIA

BEFORE ME the undersigned Notary Public personally appeared.

Robert & Ellen Stewart, the Owner of the parent tract which has been subdivided for immediate family primary residence use, hereinafter the Owner, and Leah Papka, the family member of the Owner, who is the owner of the family parcel which is intended for immediate family primary residence use, hereafter the Family Member, and is related to the Owner as sister to EllenStewart, and both individuals being first duly sworn according to law, depose and say:

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

2. The Owner holds fee simple title to certain real property situated in Columbia County, and more particularly described by reference to the Columbia county Property Appraiser Tax Parcel No. 01-55-16-03390-007.

3. The Owner has divided his parent parcel for use of immediate family members f r their primary residence and the parcel divided and the remaining parent parcel ar at least ½ acre in size. Immediate family is defined as grandparent, parent, step-parent, adopted parent, sibling, child, step-child, adopted child or grandchild.

4. The Family Member is a member of the Owner's immediate family, as set forth above, and holds fee simple title to certain real property divided from the Owner parcel situated in Columbia County and more particularly described by reference to the Columbia County Property Appraiser Tax Parcel No. 01-55-16-03390-018.

5. No person or entity other than the Owner and Family Member claims or is presently entitled to the right of possession or is in possession of the property, an there are no tenancies, leases or other occupancies that affect the Property.

6. This Affidavit is made for the specific purpose of inducing Columbia County to recognize a family division for a family member on the parcel divided in accordance with Section 14.9 of the Columbia County Land Development Regulations.

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

We Hereby Certify that the information contained in this Affidavit are true and correct.

X Ellie Stewart
Owner

Ellen Stewart
Typed or Printed Name

X Leah Papka
Family Member

Leah Papka
Typed or Printed Name

Subscribed and sworn to (or affirmed) before me this 29 day of July, 20 08, by Ellen Stewart (Owner) who is personally known to me or has produced _____ as identification.

Linda Roder
Notary Public

NOTARY PUBLIC-STATE OF FLORIDA
Linda R. Roder
Commission # DD755608
Expires: MAR. 24, 2012
BONDED THRU ATLANTIC BONDING CO., INC.

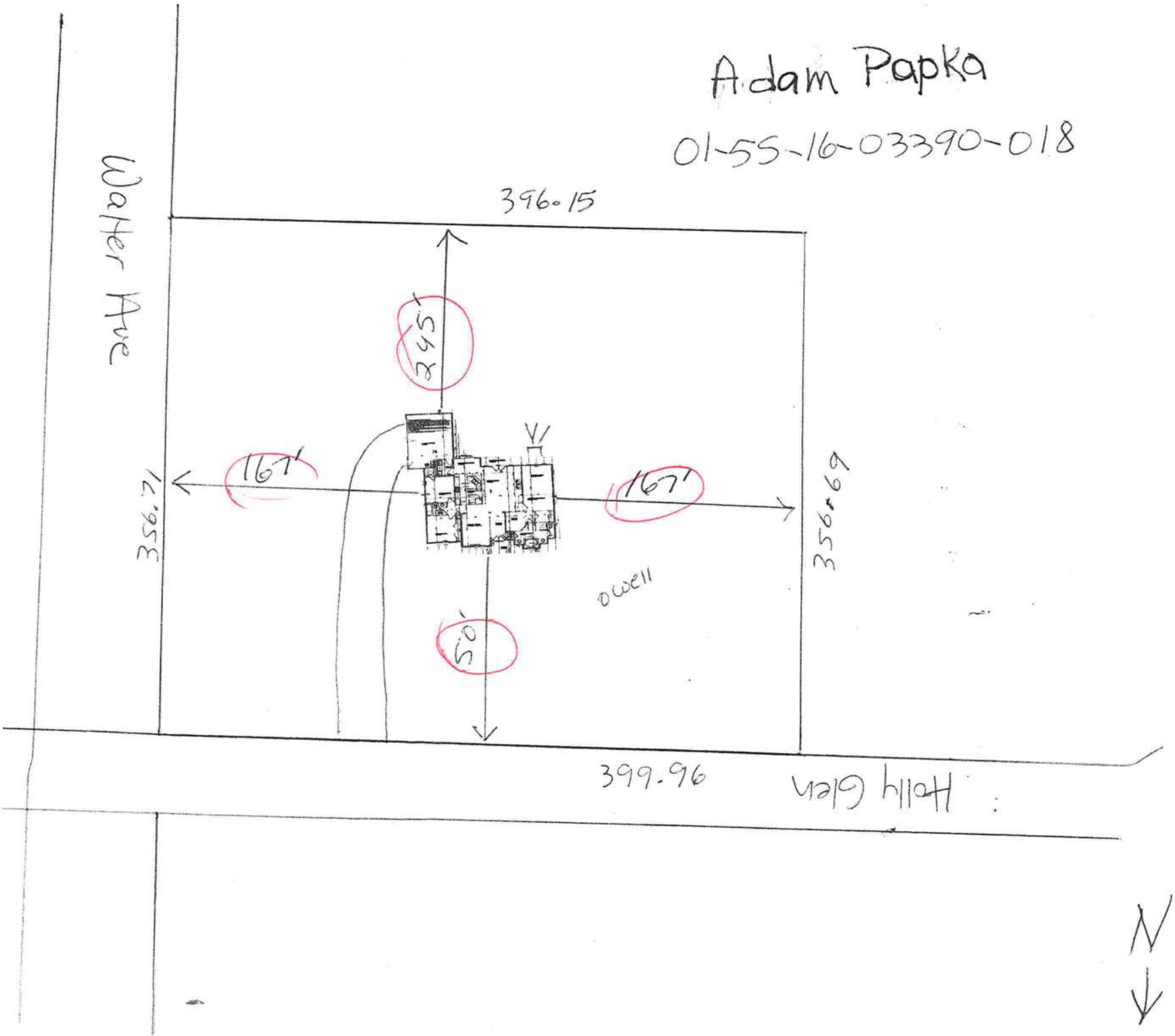
Subscribed and sworn to (or affirmed) before me this 29 day of July, 20 07, by Leah Papka (Family Member) who is personally known to me or has produced _____ as identification.

Linda Roder
Notary Public

NOTARY PUBLIC-STATE OF FLORIDA
Linda R. Roder
Commission # DD755608
Expires: MAR. 24, 2012
BONDED THRU ATLANTIC BONDING CO., INC.

Adam Papka

01-55-16-03390-018

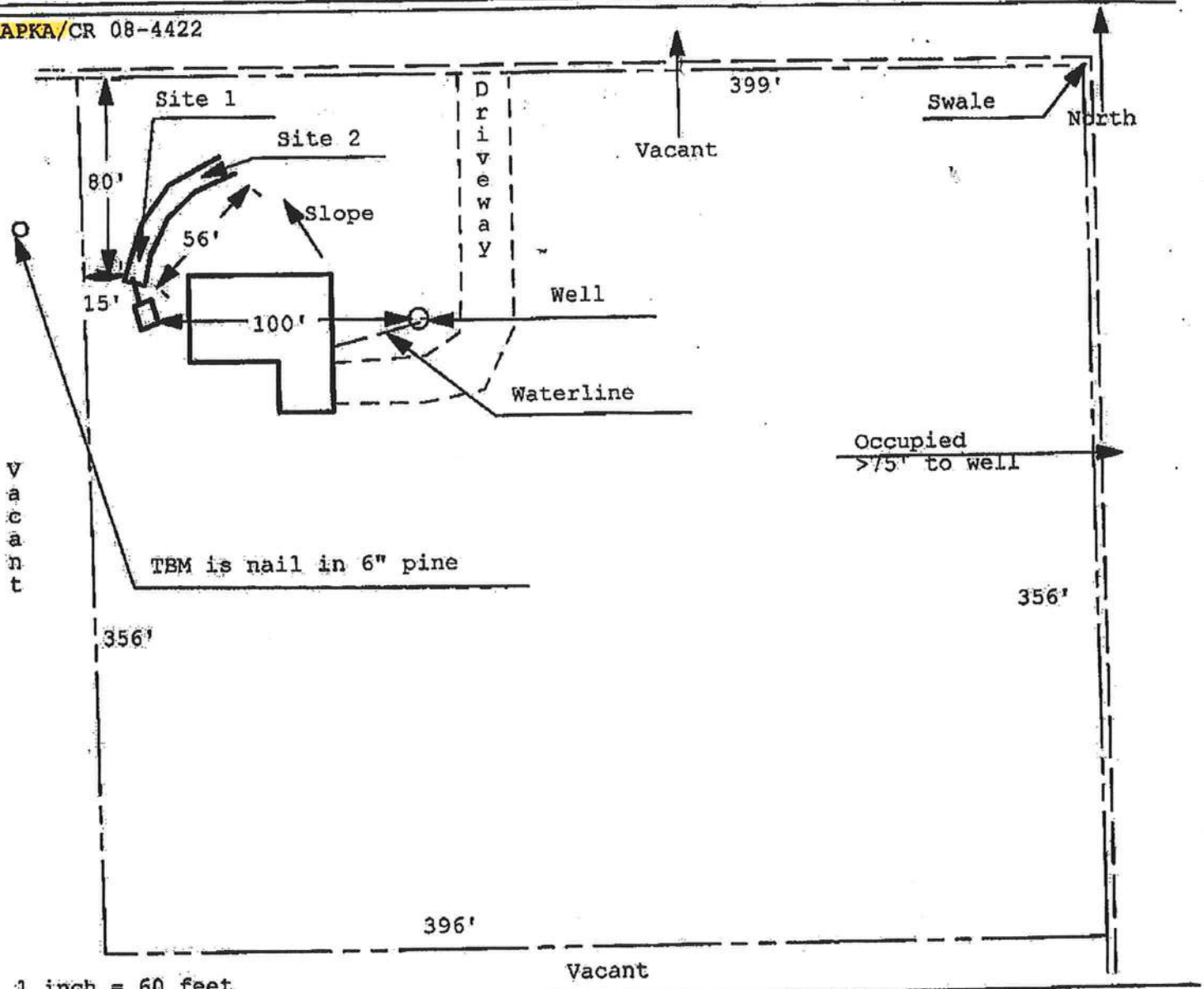


Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: 08-0530

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

PAPKA/CR 08-4422



1 inch = 60 feet

Site Plan Submitted By Paul Elsroth Date 7/17/08

Plan Approved ✓ Not Approved ____ Date 7/30/08

By Mark S Zander CPHU

Columbia CHD

Notes: ____

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787
PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE REQUESTED: 6/30/2008 **DATE ISSUED:** 7/1/2008

ENHANCED 9-1-1 ADDRESS:

128 SW HOLLY GLN

LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

01-5S-16-03390-018

Remarks:

Address Issued By: _____
Columbia County 9-1-1 Addressing / GIS Department

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

1233

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS

DONALD AND MARY HALL
OWNERS

PHONE (386) 752-1854
FAX (386) 755-7022
904 NW MAIN BLVD.
LAKE CITY, FLORIDA 32056

July 25, 2008

Notice To All Contractors:
Adam Papka & ~~Linda Roder~~

Please be advised that due to the new building codes we will Use a large capacity diaphragm tank on all new well. This will in sure a minimum of one (1) minute draw down or One (1) minute refill. If a smaller diaphragm tank is used then We will install a cycle stop valve which will produce the same Results. All wells will have a pump & tank combination that Will be sufficient enough for each situation.

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

Thank You,

Donald Hall

FORM 600A-2004 EnergyGauge® 4.1

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**802191Adam'sFraming&Construction**	Builder:	**Adam's Framing & Constru**
Address:	**128 SW Holly Gln**	Permitting Office:	Columbia County
City, State:	**Lake City, FL 32024-**	Permit Number:	27286
Owner:		Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 46.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No		
6. Conditioned floor area (ft²)	1962 ft²	c. N/A	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)			
a. U-factor:	Description Area	13. Heating systems	
(or Single or Double DEFAULT) 7a.	(Dble Default) 309.2 ft²	a. Electric Heat Pump	Cap: 46.0 kBtu/hr
b. SHGC:			HSPF: 7.70
(or Clear or Tint DEFAULT) 7b.	(Clear) 309.2 ft²	b. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 198.0(p) ft	c. N/A	
b. N/A			
c. N/A		14. Hot water systems	
9. Wall types		a. Electric Resistance	Cap: 40.0 gallons
a. Frame, Wood, Exterior	R=13.0, 1397.8 ft²		EF: 0.93
b. Frame, Wood, Adjacent	R=13.0, 124.0 ft²	b. N/A	
c. N/A			
d. N/A		c. Conservation credits	
e. N/A		(HR-Heat recovery, Solar DHP-Dedicated heat pump)	
10. Ceiling types		15. HVAC credits	
a. Under Attic	R=30.0, 2204.0 ft²	(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 170.0 ft		
b. N/A			

Glass/Floor Area: 0.16 Total as-built points: 27087 Total base points: 28477 **PASS**

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

PREPARED BY: _____

DATE: 7/24/08

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

OWNER/AGENT: _____

DATE: 7-28-08

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

BUILDING OFFICIAL: _____

DATE: _____

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **128 SW Holly Gln, Lake City, FL, 32024-** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	1962.0	20.04	7077.3	Double, Clear	S	0.0	0.0	25.0	35.87	1.00	896.7	
				Double, Clear	S	5.5	8.0	36.0	35.87	0.58	752.6	
				Double, Clear	S	5.5	9.0	20.0	35.87	0.61	437.1	
				Double, Clear	S	1.5	7.0	45.0	35.87	0.89	1443.8	
				Double, Clear	W	1.5	7.0	30.0	38.52	0.94	1085.1	
				Double, Clear	N	0.0	0.0	16.0	19.20	1.00	307.2	
				Double, Clear	N	5.5	11.0	13.2	19.20	0.83	210.7	
				Double, Clear	N	5.5	4.0	15.0	19.20	0.66	191.5	
				Double, Clear	N	1.5	12.0	25.0	19.20	0.99	475.7	
				Double, Clear	N	1.5	12.0	15.0	19.20	0.99	285.4	
				Double, Clear	N	1.5	5.0	15.0	19.20	0.92	263.7	
				Double, Clear	N	1.5	5.0	9.0	19.20	0.92	158.2	
				Double, Clear	N	0.0	0.0	30.0	19.20	1.00	576.0	
				Double, Clear	E	1.5	7.0	15.0	42.06	0.94	592.0	
				As-Built Total:				**309.2**			**7675.8**	

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	124.0	0.70	86.8	Frame, Wood, Exterior	13.0	1397.8	1.50	2096.7
Exterior	1397.8	1.70	2376.3	Frame, Wood, Adjacent	13.0	124.0	0.60	74.4
Base Total:	**1521.8**		**2463.1**	**As-Built Total:**		**1521.8**		**2171.1**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	18.0	1.60	28.8	Exterior Insulated	20.0	4.10	82.0
Exterior	40.0	4.10	164.0	Exterior Insulated	20.0	4.10	82.0
				Adjacent Insulated	18.0	1.60	28.8
Base Total:	**58.0**		**192.8**	**As-Built Total:**	**58.0**		**192.8**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM	= Points
Under Attic	1962.0	1.73	3394.3	Under Attic	30.0	2204.0	1.73 X 1.00	3812.9
Base Total:	**1962.0**		**3394.3**	**As-Built Total:**		**2204.0**		**3812.9**

FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Slab	198.0(p)	-37.0	-7326.0	Slab-On-Grade Edge Insulation	0.0	198.0(p	-41.20	-8157.6
Raised	0.0	0.00	0.0					
Base Total:			**-7326.0**	**As-Built Total:**		**198.0**		**-8157.6**

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **128 SW Holly Gln, Lake City, FL, 32024-** PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BSPM	= Points				Area X	SPM	=	Points
	1962.0	10.21	20032.0				1962.0	10.21		20032.0
Summer Base Points: 25833.5				**Summer As-Built Points:**						**25727.0**
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	
25833.5	**0.4266**	**11020.6**		(sys 1: Central Unit 46000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS) 25727 **25727.0**	1.00 **1.00**	(1.09 x 1.147 x 1.00) **1.250**	0.263 **0.263**	1.000 **1.000**		8444.5 **8444.5**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **128 SW Holly Gln, Lake City, FL, 32024-** PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points
.18	1962.0	12.74	4499.3	Double, Clear	S	0.0	0.0	25.0	13.30	1.00	332.4
				Double, Clear	S	5.5	8.0	36.0	13.30	2.12	1013.6
				Double, Clear	S	5.5	9.0	20.0	13.30	1.92	511.6
				Double, Clear	S	1.5	7.0	45.0	13.30	1.07	642.6
				Double, Clear	W	1.5	7.0	30.0	20.73	1.02	632.1
				Double, Clear	N	0.0	0.0	16.0	24.58	1.00	393.2
				Double, Clear	N	5.5	11.0	13.2	24.58	1.01	327.4
				Double, Clear	N	5.5	4.0	15.0	24.58	1.02	376.7
				Double, Clear	N	1.5	12.0	25.0	24.58	1.00	614.3
				Double, Clear	N	1.5	12.0	15.0	24.58	1.00	368.6
				Double, Clear	N	1.5	5.0	15.0	24.58	1.00	370.0
				Double, Clear	N	1.5	5.0	9.0	24.58	1.00	222.0
				Double, Clear	N	0.0	0.0	30.0	24.58	1.00	737.3
				Double, Clear	E	1.5	7.0	15.0	18.79	1.03	289.4
				As-Built Total:				**309.2**			**6831.3**

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	124.0	3.60	446.4	Frame, Wood, Exterior	13.0	1397.8	3.40	4752.5
Exterior	1397.8	3.70	5171.9	Frame, Wood, Adjacent	13.0	124.0	3.30	409.2
Base Total:	**1521.8**		**5618.3**	**As-Built Total:**		**1521.8**		**5161.7**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	18.0	8.00	144.0	Exterior Insulated	20.0	8.40	168.0
Exterior	40.0	8.40	336.0	Exterior Insulated	20.0	8.40	168.0
				Adjacent Insulated	18.0	8.00	144.0
Base Total:	**58.0**		**480.0**	**As-Built Total:**	**58.0**		**480.0**

CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X WCM =	Points
Under Attic	1962.0	2.05	4022.1	Under Attic	30.0	2204.0	2.05 X 1.00	4518.2
Base Total:	**1962.0**		**4022.1**	**As-Built Total:**		**2204.0**		**4518.2**

FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	198.0(p)	8.9	1762.2	Slab-On-Grade Edge Insulation	0.0	198.0(p	18.80	3722.4
Raised	0.0	0.00	0.0					
Base Total:			**1762.2**	**As-Built Total:**		**198.0**		**3722.4**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **128 SW Holly Gln, Lake City, FL, 32024-** PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BWPM	= Points		Area X	WPM	= Points			
	1962.0	-0.59	-1157.6		1962.0	-0.59	-1157.6			
Winter Base Points:			**15224.2**	**Winter As-Built Points:**						**19556.1**
Total Winter Points	X System Multiplier	= Heating Points		Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points	
				(sys 1: Electric Heat Pump 46000 btuh ,EFF(7.7) Ducts:Unc(S),Unc(R),Gar(AH),R6.0						
15224.2	0.6274	9551.7		19556.1	1.00	1.250	0.443	1.000	10822.7	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **128 SW Holly Gln, Lake City, FL, 32024-** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X Multiplier	= Total		Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
3	2635.00	7905.0		40.0	0.93	3	1.00	2606.67	1.00	7820.0	
				As-Built Total:						**7820.0**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points +	Heating Points +	Hot Water Points =	Total Points	Cooling Points +	Heating Points +	Hot Water Points =	Total Points
11021	**9552**	**7905**	**28477**	**8444**	**10823**	**7820**	**27087**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **128 SW Holly Gln, Lake City, FL, 32024-** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked 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.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 84.0

The higher the score, the more efficient the home.

, 128 SW Holly Gln, Lake City, FL, 32024-

1.	New construction or existing	New		12.	Cooling systems	
2.	Single family or multi-family	Single family			a. Central Unit	Cap: 46.0 kBtu/hr
3.	Number of units, if multi-family	1				SEER: 13.00
4.	Number of Bedrooms	3			b. N/A	
5.	Is this a worst case?	No				
6.	Conditioned floor area (ft²)	1962 ft²			c. N/A	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)					
	a. U-factor:	Description Area		13.	Heating systems	
	(or Single or Double DEFAULT)	7a. (Dble Default) 309.2 ft²			a. Electric Heat Pump	Cap: 46.0 kBtu/hr
	b. SHGC:					HSPF: 7.70
	(or Clear or Tint DEFAULT)	7b. (Clear) 309.2 ft²			b. N/A	
8.	Floor types					
	a. Slab-On-Grade Edge Insulation	R=0.0, 198.0(p) ft			c. N/A	
	b. N/A					
	c. N/A			14.	Hot water systems	
9.	Wall types				a. Electric Resistance	Cap: 40.0 gallons
	a. Frame, Wood, Exterior	R=13.0, 1397.8 ft²				EF: 0.93
	b. Frame, Wood, Adjacent	R=13.0, 124.0 ft²			b. N/A	
	c. N/A					
	d. N/A				c. Conservation credits	
	e. N/A				(HR-Heat recovery, Solar	
10.	Ceiling types				DHP-Dedicated heat pump)	
	a. Under Attic	R=30.0, 2204.0 ft²		15.	HVAC credits	
	b. N/A				(CF-Ceiling fan, CV-Cross ventilation,	
	c. N/A				HF-Whole house fan,	
11.	Ducts				PT-Programmable Thermostat,	
	a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 170.0 ft			MZ-C-Multizone cooling,	
	b. N/A				MZ-H-Multizone heating)	

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

Builder Signature: _____ Date: _____

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

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

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

Linda Roder

From: "Jonathan Rocco" <jayrocco@hotmail.com>
To: "Linda" <linda@nfpermitservices.com>
Sent: Thursday, July 31, 2008 8:14 AM
Subject: RE: Scanned from MFP-05240570 07/30/2008 16:46

Linda, the last warranty Deed I gave you where Mike Stewart purchased this property is blacked out.

I have called the property apprasier and they gave it to me. Please note that this is the parcel that Mike currently lives on!!

PID # 01-5S-16-03390-007

From: jayrocco@hotmail.com
To: linda@nfpermitservices.com
Subject: FW: Scanned from MFP-05240570 07/30/2008 16:46
Date: Wed, 30 Jul 2008 16:55:53 -0400

Linda, attached are 3 warranty deeds when this property was originally purchased. I got these deeds off of Prop App web site under Michael Stewart who was the original owner. Let me know if these work.

> Date: Wed, 30 Jul 2008 16:46:28 -0400
> From: packages@sierratitleonline.com
> Subject: Scanned from MAP-05240570 07/30/2008 16:46
> To: jayrocco@hotmail.com
>
> Scanned from MAP-05240570.
> Date: 07/30/2008 16:46
> Pages:6
> Resolution:200x200 DPI
> ----------

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4)

RDoc. 18.50
DDc. 1,771.00

THIS INSTRUMENT WAS PREPARED BY:

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

RETURN TO:

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

File No. 05-503

Property Appraiser's
Parcel Identification No.
01-5S-[redacted]

Inst:[redacted] Date:08/22/2005 Time:12:55
Doc Stamp-Deed : 1771.00
DC,P.DeWitt Cason,Columbia County B:1055 P:2309

WARRANTY DEED

THIS INDENTURE, made this 19th day of August 2005, BETWEEN WESTFIELD GROUP, LLLP, a Florida Limited Liability Limited Partnership, whose post office address is Post Office Box 3566, Lake City, Florida 32056, of the County of Columbia, State of Florida, grantor*, and MICHAEL J. STEWART and his wife, EVE S. STEWART, whose post office address is Post Office Box 3265, Lake City, Florida 32056, of the County of Columbia, State of Florida, grantee*.

WITNESSETH: that said grantor, for and in consideration of the sum of Ten Dollars ($10.00), and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Columbia County, Florida, to-wit:

TOWNSHIP 5 SOUTH - RANGE 16 EAST

SECTION 1: Commence at the Southeast corner of the NW 1/4 of Section 1, in Columbia County, Florida and run thence along the East line of said NW 1/4, N 1°41'37"E 240.00 feet to the POINT OF BEGINNING; continue along said East line of NW 1/4, N 1°41'37"E 654.06 feet; run thence N 88°55'15"W 1332.26 feet to a point on the West line of the SE 1/4 of the NW 1/4 of Section 1; run thence along said West line S 1°39'45"W 654.06 feet; run thence S 88°55'15"E 1331.90 feet to the POINT OF BEGINNING.

SUBJECT TO: Restrictions, easements and outstanding mineral rights of record, if any, and taxes for the current year.

SUBJECT TO: Mortgage held by Donald L. Haraway and his wife, Dianne C. Haraway, and Mildred L. Crews recorded in Official Records Book 961, Page 1933, public records of Columbia County, Florida, which said Mortgage the Grantor shall pay.

and said grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

*"Grantor" and "grantee" are used for singular or plural, as context requires.

IN WITNESS WHEREOF, grantor has hereunto set grantor's hand and seal the day and year first above written.

Signed, sealed and delivered in the presence of:

First Witness
Terry McDavid
(Printed Name)

Second Witness
Myrtle Ann McElroy
(Printed Name)

WESTFIELD GROUP, LLLP, a Florida Limited Liability Limited Partnership

By: _____
Charles S. Sparks
General Partner

By: _____
Scott D. Stewart
General Partner

Inst: [redacted] Date:08/22/2005 Time:12:55
Doc Stamp-Deed : 1771.00
DC,P.DeWitt Cason,Columbia County B:1055 P:2310

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 19th day of August 2005, by CHARLES S. SPARKS and SCOTT D. STEWART, General Partners of WESTFIELD GROUP, LLLP, a Florida Limited Liability Partnership, on behalf of the partnership. They are personally known to me and did not take an oath.

Notary Public
My commission expires:

TERRY MCDAVID
MY COMMISSION EXPIRES
January 16, 2006
#DD 079305
Bonded thru Notary Public Underwriters
NOTARY PUBLIC, STATE OF FLORIDA

Adam Papka

COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST
FOR THE FLORIDA RESIDENTIAL BUILDING CODE 2004 with 2005 & 2006
Supplements and One (1) and Two (2) Family Dwellings

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE with the Current FLORIDA BUILDING CODES and the Current FLORIDA RESIDENTIAL CODE. ALL PLANS OR DRAWING SHALL PROVIDED CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS.

FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER FIGURE R301.2(4) of the Residential Code (Florida Wind speed map) **SHALL BE USED.**

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

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

GENERAL REQUIREMENTS;

- ✓ Two (2) complete sets of plans containing the following:
- o All drawings must be clear, concise and drawn to scale, details that are not used shall be marked void
- o Condition space (Sq. Ft.) and total (Sq. Ft.) under roof shall be shown on the plans.
- o Designers name and signature shall be on all documents and a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents per FBC 106.1.

Site Plan information including:

- ✓ Dimensions of lot or parcel of land
- ✓ Dimensions of all building set backs
- ✓ Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements.
- ✓ Provide a full legal description of property.

Wind-load Engineering Summary, calculations and any details required:

- o Plans or specifications must meet state compliance with FRC Chapter 3
- o The following information must be shown as per section FRC
- o Basic wind speed (3-second gust), miles per hour
- o Wind importance factor and nature of occupancy
- o Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated
- o The applicable internal pressure coefficient, Components and Cladding The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not specifally designed by the registered design professional.

Elevations Drawing including:

- ✓ All side views of the structure
- ✓ Roof pitch
- ✓ Overhang dimensions and detail with attic ventilation
- ✓ Location, size and height above roof of chimneys
- ✓ Location and size of skylights with Florida Product Approval
- ✓ Number of stories
- ✓ e) Building height from the established grade to the roofs highest peak

Floor Plan including:

- ✓ Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies and raised floor surfaces located more than 30 inches above the floor or grade
- ✓ All exterior and interior shear walls indicated
- ✓ Shear wall opening shown (Windows, Doors and Garage doors
- ✓ Emergency escape and rescue opening in each bedroom (net clear opening shown)
- ✓ Safety glazing of glass where needed
- ✓ Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 of FRC)
- o Stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails (see FRC 311)
- ✓ Plans must show and identify accessibility of bathroom (see FRC 322)

All materials placed within opening or onto/into exterior shear walls, soffits or roofs shall have Florida product approval number and mfg. installation information submitted with the plans (see Florida product approval form)

Foundation Plans Per FRC 403:

- ✓ a) Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.
- ✓ b) All posts and/or column footing including size and reinforcing
- ✓ c) Any special support required by soil analysis such as piling.
- ✓ d) Assumed load-bearing valve of soil_____ (psf)
- ✓ e) Location of horizontal and vertical steel, for foundation or walls (include # size and type)

CONCRETE SLAB ON GRADE Per FRC R506

- o Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
- o Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports

PROTECTION AGAINST TERMITES Per FRC 320:

- ✓ Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or submit other approved termite protection methods. Protection shall be provided by registered termiticides

Masonry Walls and Stem walls (load bearing & shear Walls) FRC Section R606

- o Show all materials making up walls, wall height, and Block size, mortar type
- o Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement

Metal frame shear wall and roof systems shall be designed, signed and sealed by Florida Prof. Engineer or Architect

Floor Framing System: First and/or second story

- ✓ Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer
- ✓ Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or priers
- ✓ Girder type, size and spacing to load bearing walls, stem wall and/or priers
- ✓ Attachment of joist to girder
- ✓ Wind load requirements where applicable
- ✓ Show required under-floor crawl space
- ✓ Show required amount of ventilation opening for under-floor spaces
- ✓ Show required covering of ventilation opening.
- ✓ Show the required access opening to access to under-floor spaces
- ✓ Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & intermediate of the areas structural panel sheathing
- ✓ Show Draft stopping, Fire caulking and Fire blocking
- ✓ Show fireproofing requirements for garages attached to living spaces, per FRC section R309
- ✓ Provide live and dead load rating of floor framing systems (psf).

WOOD WALL FRAMING CONSTRUCTION FRC CHAPTER 6

- Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls.
- Fastener schedule for structural members per table R602.3 (1) are to be shown.
- Show wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing
- Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems.
- Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FRC Table R502.5 (1)
- Indicate where pressure treated wood will be placed.
- Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas
- A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail

ROOF SYSTEMS:

- Truss design drawing shall meet section FRC R802.10 Wood trusses. Include a layout and truss details and be signed and sealed by Fl. Pro. Eng.
- Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters
- Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details
- Provide dead load rating of trusses

Conventional Roof Framing Layout Per FRC 802:

- Rafter and ridge beams sizes, span, species and spacing
- Connectors to wall assemblies' include assemblies' resistance to uplift rating.
- Valley framing and support details
- Provide dead load rating of rafter system.

ROOF SHEATHING FRC Table R602,3(2) FRC 803

- Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing on the edges & intermediate areas

ROOF ASSEMBLIES FRC Chapter 9

- Include all materials which will make up the roof assembles covering; with Florida Product Approval numbers for each component of the roof assembles covering.

FCB Chapter 13 Florida Energy Efficiency Code for Building Construction

- Residential construction shall comply with this code by using the following compliance methods in the FBC Subchapter 13-6, Residential buildings compliance methods. Two of the required forms are to be submitted, showing dimensions condition area equal to the total condition living space area
- Show the insulation R value for the following areas of the structure: Attic space, Exterior wall cavity and Crawl space (if applicable)

HVAC information shown

- Manual J sizing equipment or equivalent computation
- Exhaust fans locations in bathrooms

Plumbing Fixture layout shown

- All fixtures waste water lines shall be shown on the foundation plan

Electrical layout shown including:

- Switches, outlets/receptacles, lighting and all required GFCI outlets identified
- Ceiling fans
- Smoke detectors
- Service panel, sub-panel, location(s) and total ampere ratings

- ✓ On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type.
- ✓ Appliances and HVAC equipment and disconnects
- ✓ Arc Fault Circuits (AFCI) in bedrooms

- Notarized Disclosure Statement for Owner Builders

- Notice of Commencement Recorded (in the Columbia County Clerk Office) Notice Of Commencement is required to be filed with the building department Before Any Inspections Will Be Done.

Private Potable Water

- ✓ Size of pump motor
- ✓ Size of pressure tank
- ✓ Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

- Building Permit Application: A current Building Permit Application form is to be completed and submitted for all residential projects.

- Parcel Number: The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.

- Environmental Health Permit or Sewer Tap Approval: A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 (Toilet facilities shall be provided for construction workers)

- City Approval: If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. (386) 497-2321

- Flood Information: All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED. A development permit will also be required. The permit cost is $50.00.

- Driveway Connection: If the property does not have an existing access to a public road, then an application for a culvert permit ($25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver ($50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.

- 911 Address: If the project is located in an area where the 911 address has been issued, then the proper Paper work from the 911 Addressing Departments must be submitted. (386) 758-1125

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. NOTIFICATION WILL BE GIVEN WHEN THE APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT.

Adam Papka

PRODUCT APPROVAL SPECIFICATION SHEET

Location:

Project Name:

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s
A. EXTERIOR DOORS			
1. Swinging	Mayfair	entry door	FL 1311
2. Sliding			
3. Sectional	Raynor	garage door	FL 3070
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung	Davoid	Single hung windows	FL 1369
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass -through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding	James Hardie	hardiboard siding	FL 889-R1
2. Soffits	ASI Building Products	Aluminum & Vinyl Soffit	FL 5546 1&2
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles	Tamko	30-year asphalt	FL 673
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			

ory/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor	Simpson Strong	Wood connectors/anchors	FL. 1474
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

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

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

Contractor or Contractor's Authorized Agent Signature

Linda Roder

Print Name

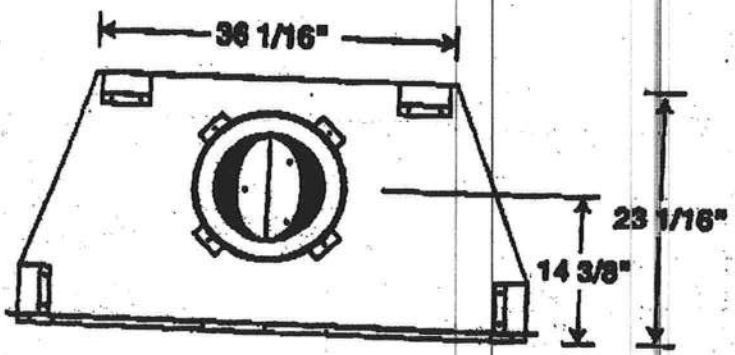
7-29-08

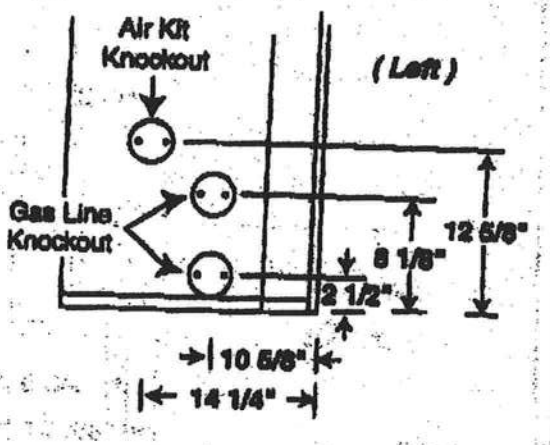
Date

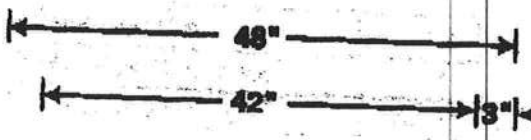
Craftsman

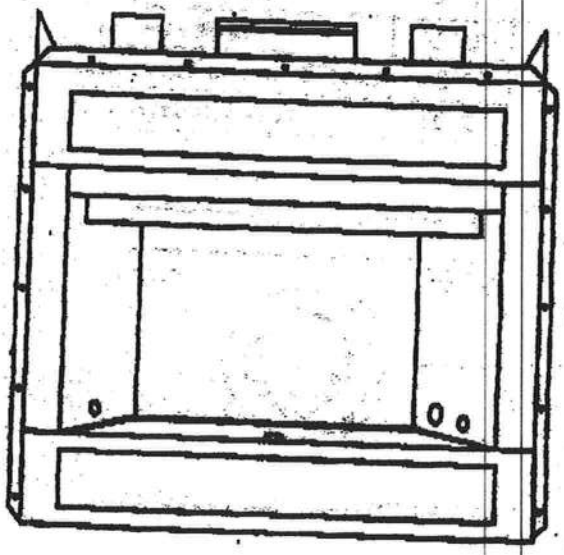
42" Woodburning Fireplace

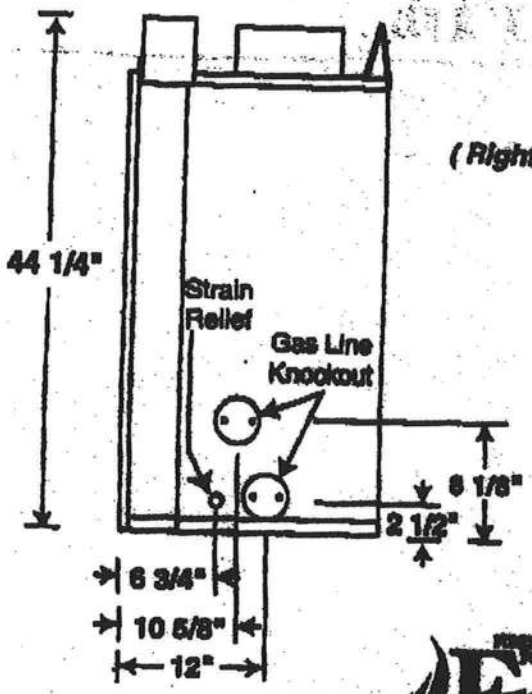
Vent Pipe Size	10"
Min. Pipe Clearance	1"
Min. System Height	14' 6"
- w/ Single Offset	14' 6"
- w/ Two Offsets	22' 0"
Max. Dist. Between Elbows	6' 0"
Max. System Height	50' 0"









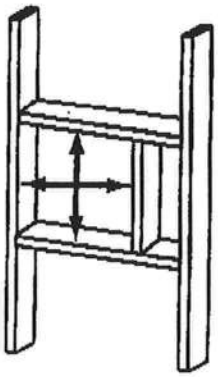


Fmi

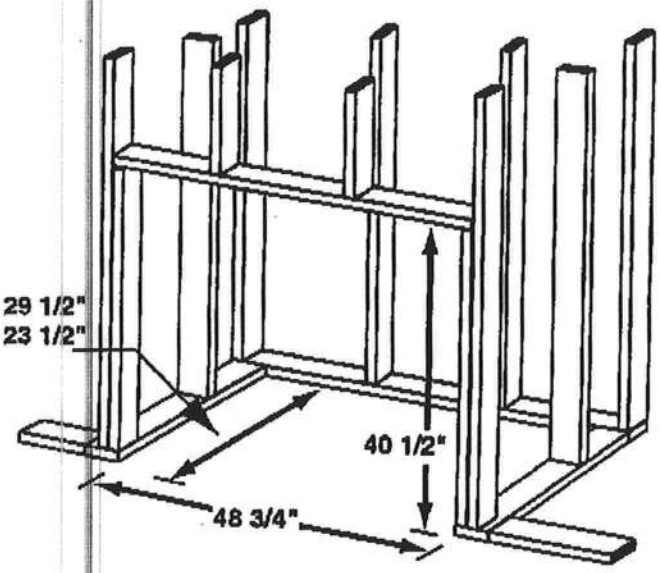
Victorian
42" Direct Vent Fireplace

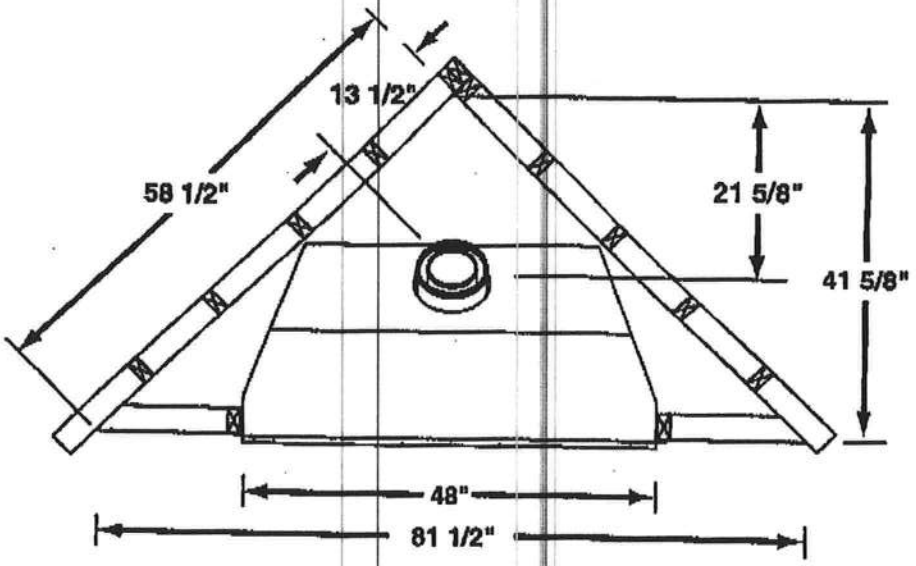
Framing Dimensions

Vent Opening - 10 3/4" Square (I.D.)



Vertical Termination - 29 1/2"
Horizontal Termination - 23 1/2"





NOTE:
Built-in Features Such as Mantels, Bookshelfs, etc. Made of Combustible Materials Must Maintain Minimum Clearances from the Fireplace. See Installation Instructions for Complete Information

FIREPLACES FOR BUILDER. Fmi

Residential System Sizing Calculation

Summary

128 SW Holly Gln
Lake City, FL 32024-

Project Title:
802191Adam'sFraming&Construction

Class 3 Rating
Registration No. 0
Climate: North

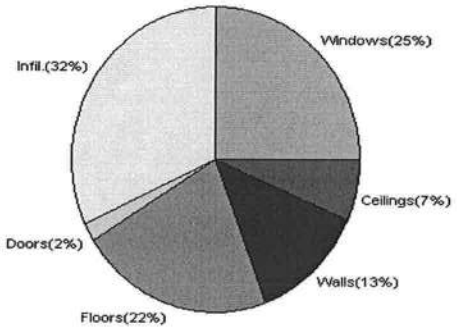
7/24/2008

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M) Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)					
Winter design temperature	33	F	Summer design temperature	92	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	17	F
Total heating load calculation	**39395**	**Btuh**	**Total cooling load calculation**	**32676**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	116.8	46000	Sensible (SHR = 0.75)	134.7	34500
Heat Pump + Auxiliary(0.0kW)	116.8	46000	Latent	163.0	11500
			Total (Electric Heat Pump)	140.8	46000

WINTER CALCULATIONS

Winter Heating Load (for 1962 sqft)

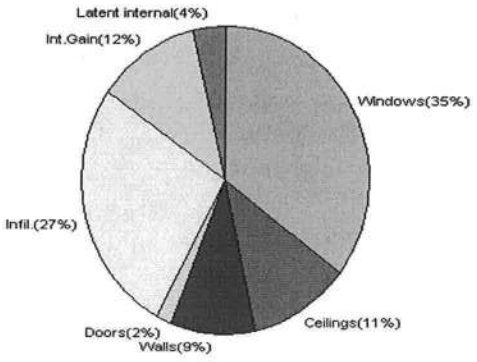
Load component			Load	
Window total	309	sqft	9953	Btuh
Wall total	1522	sqft	4998	Btuh
Door total	58	sqft	751	Btuh
Ceiling total	2204	sqft	2597	Btuh
Floor total	198	sqft	8645	Btuh
Infiltration	307	cfm	12451	Btuh
Duct loss			0	Btuh
Subtotal			**39395**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**39395**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1962 sqft)

Load component			Load	
Window total	309	sqft	11537	Btuh
Wall total	1522	sqft	3103	Btuh
Door total	58	sqft	568	Btuh
Ceiling total	2204	sqft	3650	Btuh
Floor total			0	Btuh
Infiltration	160	cfm	2982	Btuh
Internal gain			3780	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**25620**	**Btuh**
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			5856	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1200	Btuh
Total latent gain			**7056**	**Btuh**
TOTAL HEAT GAIN			**32676**	**Btuh**



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For Florida residences only

EnergyGauge® System Sizing
PREPARED BY:
DATE: 7/24/08

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

128 SW Holly Gln
Lake City, FL 32024-

Project Title:
802191Adam'sFraming&Construction

Class 3 Rating
Registration No. 0
Climate: North

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

7/24/2008

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	S	25.0	32.2	805 Btuh
2	2, Clear, Metal, 0.87	S	36.0	32.2	1159 Btuh
3	2, Clear, Metal, 0.87	S	20.0	32.2	644 Btuh
4	2, Clear, Metal, 0.87	S	45.0	32.2	1449 Btuh
5	2, Clear, Metal, 0.87	W	30.0	32.2	966 Btuh
6	2, Clear, Metal, 0.87	N	16.0	32.2	515 Btuh
7	2, Clear, Metal, 0.87	N	13.2	32.2	425 Btuh
8	2, Clear, Metal, 0.87	N	15.0	32.2	483 Btuh
9	2, Clear, Metal, 0.87	N	25.0	32.2	805 Btuh
10	2, Clear, Metal, 0.87	N	15.0	32.2	483 Btuh
11	2, Clear, Metal, 0.87	N	15.0	32.2	483 Btuh
12	2, Clear, Metal, 0.87	N	9.0	32.2	290 Btuh
13	2, Clear, Metal, 0.87	N	30.0	32.2	966 Btuh
14	2, Clear, Metal, 0.87	E	15.0	32.2	483 Btuh
	Window Total		309(sqft)		9953 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1398	3.3	4590 Btuh
2	Frame - Wood - Adj(0.09)	13.0	124	3.3	407 Btuh
	Wall Total		1522		4998 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		18	12.9	233 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
3	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		58		751Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2204	1.2	2597 Btuh
	Ceiling Total		2204		2597Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	198.0 ft(p)	43.7	8645 Btuh
	Floor Total		198		8645 Btuh
			Zone Envelope Subtotal:		26944 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.94	19620	307.4	12451 Btuh
Ductload	Partially sealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**39395 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

128 SW Holly Gln
Lake City, FL 32024-

Project Title:
802191Adam'sFraming&Construction

Class 3 Rating
Registration No. 0
Climate: North

7/24/2008

WHOLE HOUSE TOTALS

	Subtotal Sensible	39395 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	39395 Btuh

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

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

For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

128 SW Holly Gln
Lake City, FL 32024-

Project Title:
802191Adam'sFraming&Construction

Class 3 Rating
Registration No. 0
Climate: North

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

7/24/2008

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	S	25.0	32.2	805 Btuh
2	2, Clear, Metal, 0.87	S	36.0	32.2	1159 Btuh
3	2, Clear, Metal, 0.87	S	20.0	32.2	644 Btuh
4	2, Clear, Metal, 0.87	S	45.0	32.2	1449 Btuh
5	2, Clear, Metal, 0.87	W	30.0	32.2	966 Btuh
6	2, Clear, Metal, 0.87	N	16.0	32.2	515 Btuh
7	2, Clear, Metal, 0.87	N	13.2	32.2	425 Btuh
8	2, Clear, Metal, 0.87	N	15.0	32.2	483 Btuh
9	2, Clear, Metal, 0.87	N	25.0	32.2	805 Btuh
10	2, Clear, Metal, 0.87	N	15.0	32.2	483 Btuh
11	2, Clear, Metal, 0.87	N	15.0	32.2	483 Btuh
12	2, Clear, Metal, 0.87	N	9.0	32.2	290 Btuh
13	2, Clear, Metal, 0.87	N	30.0	32.2	966 Btuh
14	2, Clear, Metal, 0.87	E	15.0	32.2	483 Btuh
	Window Total		309(sqft)		9953 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1398	3.3	4590 Btuh
2	Frame - Wood - Adj(0.09)	13.0	124	3.3	407 Btuh
	Wall Total		1522		4998 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		18	12.9	233 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
3	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		58		751Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2204	1.2	2597 Btuh
	Ceiling Total		2204		2597Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	198.0 ft(p)	43.7	8645 Btuh
	Floor Total		198		8645 Btuh
			Zone Envelope Subtotal:		26944 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.94	19620	307.4	12451 Btuh
Ductload	Partially sealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**39395 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

128 SW Holly Gln
Lake City, FL 32024-

Project Title:
802191Adam'sFraming&Construction

Class 3 Rating
Registration No. 0
Climate: North

7/24/2008

WHOLE HOUSE TOTALS

	Subtotal Sensible	39395 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	39395 Btuh

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

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

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

128 SW Holly Gln
Lake City, FL 32024-

Project Title:
802191Adam'sFraming&Construction

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 7/24/2008

Component Loads for Whole House

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, None,N,N	S	0ft.	0ft.	25.0	0.0	25.0	29	29	724 Btuh
2	2, Clear, 0.87, None,N,N	S	5.5ft	8ft.	36.0	0.0	36.0	29	29	1043 Btuh
3	2, Clear, 0.87, None,N,N	S	5.5ft	9ft.	20.0	0.0	20.0	29	29	579 Btuh
4	2, Clear, 0.87, None,N,N	S	1.5ft	7ft.	45.0	0.0	45.0	29	29	1303 Btuh
5	2, Clear, 0.87, None,N,N	W	1.5ft	7ft.	30.0	0.0	30.0	29	80	2385 Btuh
6	2, Clear, 0.87, None,N,N	N	0ft.	0ft.	16.0	0.0	16.0	29	34	538 Btuh
7	2, Clear, 0.87, None,N,N	N	5.5ft	11ft.	13.2	13.2	0.0	29	34	382 Btuh
8	2, Clear, 0.87, None,N,N	N	5.5ft	4ft.	15.0	15.0	0.0	29	34	434 Btuh
9	2, Clear, 0.87, None,N,N	N	1.5ft	12ft.	25.0	12.6	12.4	29	34	782 Btuh
10	2, Clear, 0.87, None,N,N	N	1.5ft	12ft.	15.0	7.5	7.5	29	34	469 Btuh
11	2, Clear, 0.87, None,N,N	N	1.5ft	5ft.	15.0	15.0	0.0	29	34	434 Btuh
12	2, Clear, 0.87, None,N,N	N	1.5ft	5ft.	9.0	9.0	0.0	29	34	261 Btuh
13	2, Clear, 0.87, None,N,N	N	0ft.	0ft.	30.0	0.0	30.0	29	34	1009 Btuh
14	2, Clear, 0.87, None,N,N	E	1.5ft	7ft.	15.0	0.0	15.0	29	80	1193 Btuh
	Window Total				309 (sqft)					11537 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1397.8	2.1	2916 Btuh
2	Frame - Wood - Adj	13.0/0.09	124.0	1.5	187 Btuh
	Wall Total		1522 (sqft)		3103 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
3	Insulated - Exterior	20.0	9.8	196 Btuh
	Door Total	58 (sqft)		568 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	2204.0	1.7	3650 Btuh
	Ceiling Total		2204 (sqft)		3650 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	198 (ft(p))	0.0	0 Btuh
	Floor Total		198.0 (sqft)		0 Btuh

			Zone Envelope Subtotal:		18858 Btuh
Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.49	19620	160.2	2982 Btuh
Internal gain		Occupants	Btuh/occupant	Appliance	Load
		6	X 230 +	2400	3780 Btuh
Duct load	Partially sealed, R6.0, Supply(Attic), Return(Attic)			DGM = 0.00	0.0 Btuh
			Sensible Zone Load		**25620 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

128 SW Holly Gln
Lake City, FL 32024-

Project Title:
802191Adam'sFraming&Construction

Class 3 Rating
Registration No. 0
Climate: North

7/24/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**25620**	**Btuh**
	Sensible Duct Load	0	Btuh
	Total Sensible Zone Loads	**25620**	**Btuh**
	Sensible ventilation	0	Btuh
	Blower	0	Btuh
	Total sensible gain	**25620**	**Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	5856	Btuh
	Latent ventilation gain	0	Btuh
	Latent duct gain	0	Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200	Btuh
	Latent other gain	0	Btuh
	Latent total gain	**7056**	**Btuh**
	TOTAL GAIN	**32676**	**Btuh**

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

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

128 SW Holly Gln
Lake City, FL 32024-

Project Title:
802191Adam'sFraming&Construction

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 7/24/2008

Component Loads for Zone #1: Main

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, None,N,N	S	0ft.	0ft.	25.0	0.0	25.0	29	29	724 Btuh
2	2, Clear, 0.87, None,N,N	S	5.5ft	8ft.	36.0	0.0	36.0	29	29	1043 Btuh
3	2, Clear, 0.87, None,N,N	S	5.5ft	9ft.	20.0	0.0	20.0	29	29	579 Btuh
4	2, Clear, 0.87, None,N,N	S	1.5ft	7ft.	45.0	0.0	45.0	29	29	1303 Btuh
5	2, Clear, 0.87, None,N,N	W	1.5ft	7ft.	30.0	0.0	30.0	29	80	2385 Btuh
6	2, Clear, 0.87, None,N,N	N	0ft.	0ft.	16.0	0.0	16.0	29	34	538 Btuh
7	2, Clear, 0.87, None,N,N	N	5.5ft	11ft.	13.2	13.2	0.0	29	34	382 Btuh
8	2, Clear, 0.87, None,N,N	N	5.5ft	4ft.	15.0	15.0	0.0	29	34	434 Btuh
9	2, Clear, 0.87, None,N,N	N	1.5ft	12ft.	25.0	12.6	12.4	29	34	782 Btuh
10	2, Clear, 0.87, None,N,N	N	1.5ft	12ft.	15.0	7.5	7.5	29	34	469 Btuh
11	2, Clear, 0.87, None,N,N	N	1.5ft	5ft.	15.0	15.0	0.0	29	34	434 Btuh
12	2, Clear, 0.87, None,N,N	N	1.5ft	5ft.	9.0	9.0	0.0	29	34	261 Btuh
13	2, Clear, 0.87, None,N,N	N	0ft.	0ft.	30.0	0.0	30.0	29	34	1009 Btuh
14	2, Clear, 0.87, None,N,N	E	1.5ft	7ft.	15.0	0.0	15.0	29	80	1193 Btuh
	Window Total				309 (sqft)					11537 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1397.8	2.1	2916 Btuh
2	Frame - Wood - Adj	13.0/0.09	124.0	1.5	187 Btuh
	Wall Total		1522 (sqft)		3103 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
3	Insulated - Exterior	20.0	9.8	196 Btuh
	Door Total	58 (sqft)		568 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	2204.0	1.7	3650 Btuh
	Ceiling Total		2204 (sqft)		3650 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	198 (ft(p))	0.0	0 Btuh
	Floor Total		198.0 (sqft)		0 Btuh

	Zone Envelope Subtotal:	18858 Btuh

Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.49	19620	160.2	2982 Btuh

Internal gain	Occupants	Btuh/occupant		Appliance	Load
	6	X 230	+	2400	3780 Btuh

Duct load	Partially sealed, R6.0, Supply(Attic), Return(Attic) DGM = 0.00	0.0 Btuh
	Sensible Zone Load	**25620 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

128 SW Holly Gln
Lake City, FL 32024-

Project Title:
802191Adam'sFraming&Construction

Class 3 Rating
Registration No. 0
Climate: North

7/24/2008

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	**25620**	**Btuh**
	Sensible Duct Load	0	Btuh
	Total Sensible Zone Loads	**25620**	**Btuh**
	Sensible ventilation	0	Btuh
	Blower	0	Btuh
Whole House	**Total sensible gain**	**25620**	**Btuh**
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	5856	Btuh
	Latent ventilation gain	0	Btuh
	Latent duct gain	0	Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200	Btuh
	Latent other gain	0	Btuh
	Latent total gain	**7056**	**Btuh**
	TOTAL GAIN	**32676**	**Btuh**

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

For Florida residences only

Residential Window Diversity

MidSummer

128 SW Holly Gln
Lake City, FL 32024-

Project Title:
802191Adam'sFraming&Construction

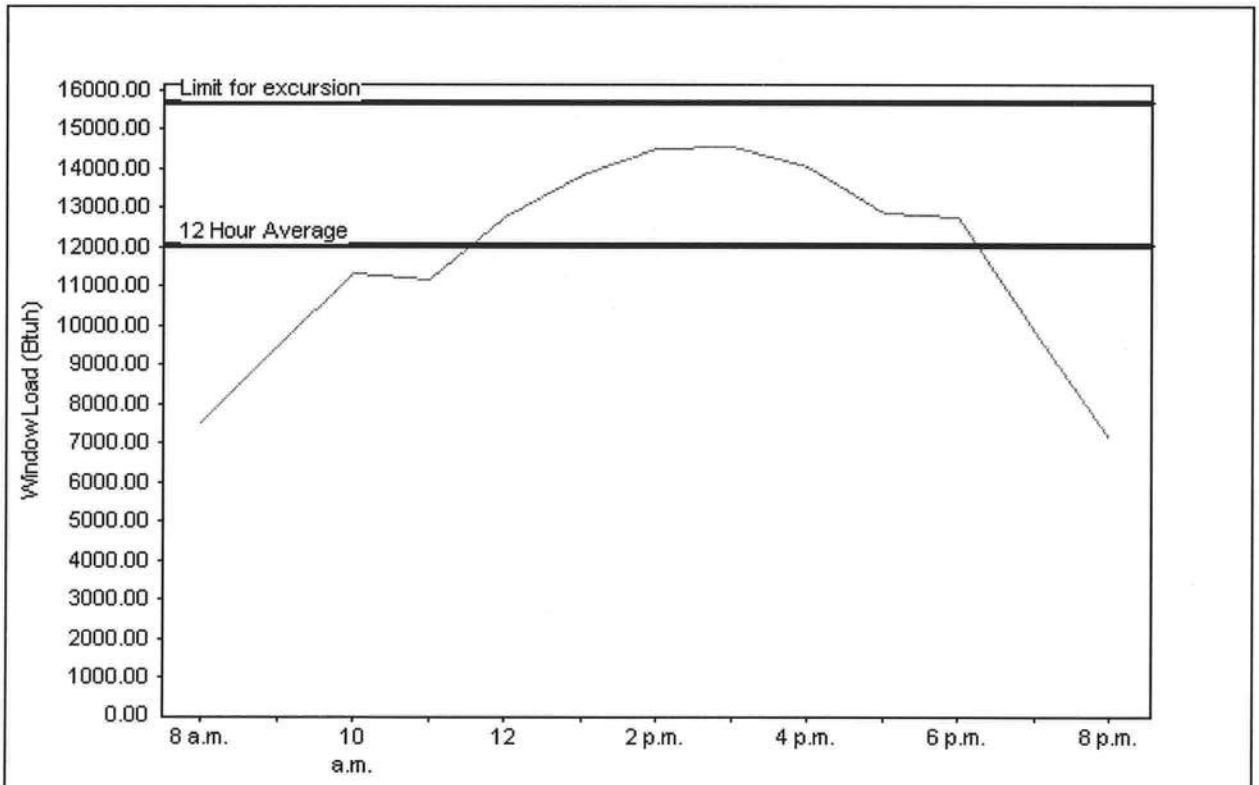
Class 3 Rating
Registration No. 0
Climate: North

7/24/2008

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	12055 Btu
Summer setpoint	75 F	Peak window load for July	14578 Btu
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	15671 Btu
Latitude	29 North	Window excursion (July)	None

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

The midsummer window load for this house does not exceed the window load excursion limit.

This house has adequate midsummer window diversity.

EnergyGauge® System Sizing for Florida residences only
PREPARED BY:
DATE: 7/24/08

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.
Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when soil treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control Operator and builder, unless stated otherwise.

27286

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: P.O. Box 1795 City Lake City State FL Zip 32056
Company Business License No. JB109478 Company Phone No. 386-755-3611 • 352-494-5751
FHA/VA Case No. (if any)

Section 2: Builder Information

Company Name: Adam Papka Company Phone No.

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 128 SW Holly Glen Lake City FL

Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other
Approximate Depth of Footing: Outside 12 Inside 24 Type of Fill Dirt

Section 4: Treatment Information

Date(s) of Treatment(s) 9-6-06
Brand Name of Product(s) Used Biflex
EPA Registration No. 53483-164
Approximate Final Mix Solution % .6
Approximate Size of Treatment Area: Sq. ft. 2524 Linear ft. 242 Linear ft. of Masonry Voids 242
Approximate Total Gallons of Solution Applied 494
Was treatment completed on exterior? ☐ Yes ☒ No
Service Agreement Available? ☒ Yes ☐ No
Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List)
Comments

Name of Applicator(s) Steve Brannen Certification No. (if required by State law) JF104376

The applicator has used a product in accordance with the product label and state requirements. All treatment materials and methods used comply with state and federal regulations.

Authorized Signature S Brannen Date 9-6-06

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010. 1012; 31 U.S.C. 3729, 3802)

27286

This document prepared by:
First Federal Bank of Florida
Teresa Davis
P. O. Box 2029
Lake City, FL 32056

Inst:200812015818 Date:8/26/2008 Time:12:06 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 2 B:1157 P:648

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF COLUMBIA

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

1. Description of Property: See attached Exhibit "A"

2. General Description of Improvement: construction of single family residence

3. Owner Information:
   a. Name and Address: Adam and Leah Papka
      429 SW Meadow Terr
      Lake City, FL 32024
   b. Interest in Property: 100%
   c. Name and Address of Fee Simple Titleholder (if other than Owner)

4. Contractor (name and address): Adam's Framing and Construction
   P O Box 1921
   Lake City, FL 32056-1921

5. Surety:
   a. NA
   b. NA

6. Lender: First Federal Bank of Florida, PO Box 2029, Lake City, Florida, 32056

7. Persons within the State of Florida designated by Owner upon notices or other documents may be served as provided by Section 713.13(1)(a)(7.),Florida Statutes: None

8. In addition to himself, the Owner designates Teresa Davis of First Federal Bank of Florida, PO Box 2029, Lake City, FL 32056 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 the date of recording unless a different date is specified):

Adam Papka: _____ Leah Papka: Leah J Papka

State of Florida
County of Columbia

The foregoing instrument was acknowledged before me this 25th day of August, 200by Adam Papka and Leah Papka, who are personally known to me and who did not take an oath.

_____
Notary Public, State of Florida

Notary Public State of Florida
Matthew Rocco
My Commission DD578349
Expires 09/17/2010

EXHIBIT "A"

Commence at the Southeast corner of the NW 1/4, Section 1, Township 5 South, Range 16 East, Columbia County, Florida and thence run N 01°41'37" E, along the East line of said NW 1/4, 596.70 feet; thence N 88°45'17" W, 9.11 feet to the East maintained right of way of SW Little Road and the Point of Beginning; thence continue N 88°45'17" W, 234.96 feet; thence S 01°14'21" W, 189.88 feet; thence S 88°45'17" E, 232.93 feet to said East maintained right of way; thence N 01°51'07" E, along said East maintained right of way, 189.89 feet to the Point of Beginning.

Subject to and together with an ingress and egress easement (50 feet wide), lying 25 feet on each side of the following described centerline:

Commence at the Southeast corner of the NW 1/4, Section 1, Township 5 South, Range 16 East, Columbia County, Florida and run thence N 01°41'37" E, along the East line of said NW 1/4, 596.70 feet; thence N 88°45'17" W, 9.11 feet to the East maintained right of way of SW Little Road and the Point of Beginning of said centerline; thence continue N 88°45'17" W, 234.96 feet to the Point of Termination.

Lake City • (386) 755-3633
Fax • (386) 752-5456

Jacksonville • (904) 381-8901
Fax • (904) 381-8902

Quincy • (850) 442-3495
Fax • (850) 442-4008

CAL-TECH TESTING, INC.

ENGINEERING & TESTING LABORATORY

P.O. Box 1625, Lake City, FL 32056-1625
4784 Rosselle St. • Jacksonville, FL 32254
2230 Greensboro Hwy., Quincy, FL 32351

JOB NO.: 08-477
DATE TESTED: 9-8-08

REPORT OF IN-PLACE DENSITY TEST

27286

ASTM METHOD: ✓ (D-2922) Nuclear _____ (D-2937) Drive Cylinder _____ Other

PROJECT: Holly Glen Lot 8B

CLIENT: Adams Framing & Const.

GENERAL CONTRACTOR: SAC EARTHWORK CONTRACTOR: _____

SOIL USE (SEE NOTE): (1) SPECIFICATION REQUIREMENTS: 95%

TECHNICIAN: P. Geiger

MODIFIED (ASTM D-1557): ✓ STANDARD (ASTM D-698): _____

TEST NO.	TEST LOCATION	TEST: ___DEPTH ___ELEV. ___LIFT	PROCTOR NO.	WET DENS. LBS.CU.FT.	DRY DENS. LBS.CU.FT.	MOIST PERCENT	% MAX. DENS.
1	10'E X 8'N @ SW Corner	12"	*	108.8	103.3	5.3	96.5
2	12'W X 14'N @ SE Corner	1	1	109.2	104.7	4.3	97.8
3	Approx Ctr @ Rd	1	1	110.0	106.3	3.5	99.4

REMARKS: _____

PROCTOR NO.	SOIL DESCRIPTION	PROCTOR VALUE	OPT. MOIST.
*	#2 Dan Register Pit	107.0	11.2

NOTE: 1. Building Fill 2. Trench Backfill 3. Base Course 4. Subbase/Stabilized Subgrade 5. Embankment 6. Subgrade/Natural Soil 7. Other

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 01-5S-16-03390-018 **Building permit No.** 000027286

Use Classification SFD, UTILITY **Fire:** 44.94

Permit Holder ADAM PAPKA **Waste:** 117.25

Owner of Building ADAM PAPKA **Total:** 162.19

Location: 128 SW HOLLY GLEN, LAKE CITY, FL

Date: 03/25/2009

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Builders FirstSource

HLAKMF

JULIUS LEE LICENSE NO. 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

Project Information:

Builder: ADAMS FRAMING AND CONSTRUCTI
Model: custom
Builders FirstSource Job #: L273732
Street: 128 SW Holly Glen
City: Lake City
County: Columbia
Building Code: FBC2004/TPI2002
Computer Program Used: MiTek 6.3

Builders FirstSource
2525 E. Duval St.
Lake City, FL 3205

JULIUS LEE'S CONSULT. ENGR INC
1455 SW 4TH AVE , DELRAY BEACH
FLORIDA. 33444

Truss Design Information:

Gravity Loads
Roof: 32 psf Total
Floor: 55 psf Total

Wind
Wind Standard: ASCE 7-02
Wind Speed: 110 mph
Mean Roof Ht: 20 ft

Exposure: B

Note: Refer to individual truss design drawings for special loading conditions, design criteria, truss geometry, lumber, and plate information.

Design Professional Information:

Design Professional Of Record:
Delegated Truss Engineer: Julius Lee

License # :
License # : 34869

REVIEWED
By julius lee at 7:08 pm, Jul 23, 2008

This truss specification package consists of this index sheet and 55 truss design drawings. This signed and sealed index sheet indicates acceptance of my professional engineering responsibility solely for listed truss design drawings. The suitability and use of each truss component for any particular building is the responsibility of the building designer per ANSI/TPI 1-1995, Section 2.

COLUMBIA COUNTY BUILDING DEPARTMENT Received for FILE COPY Code Compliance PLANS EXAMINER

Truss #	Truss Label	Drawing #	Seal Date
1	CJ1	L273732001	7/23/2008
2	CJ3	L273732002	7/23/2008
3	CJ3A	L273732003	7/23/2008
4	CJ5	L273732004	7/23/2008
5	CJ5A	L273732005	7/23/2008
6	EJ1	L273732006	7/23/2008
7	EJ1A	L273732007	7/23/2008
8	EJ1B	L273732008	7/23/2008
9	EJ5	L273732009	7/23/2008
10	EJ5A	L273732010	7/23/2008
11	EJ7	L273732011	7/23/2008
12	EJ7A	L273732012	7/23/2008
13	HJ2	L273732013	7/23/2008
14	HJ2A	L273732014	7/23/2008
15	HJ7	L273732015	7/23/2008
16	HJ9	L273732016	7/23/2008
17	HJ9A	L273732017	7/23/2008
18	PB1	L273732018	7/23/2008
19	PB1A	L273732019	7/23/2008
20	T01	L273732020	7/23/2008
21	T01A	L273732021	7/23/2008
22	T02	L273732022	7/23/2008
23	T03	L273732023	7/23/2008
24	T04	L273732024	7/23/2008
25	T05	L273732025	7/23/2008
26	T05A	L273732026	7/23/2008
27	T05G	L273732027	7/23/2008
28	T06	L273732028	7/23/2008
29	T07	L273732029	7/23/2008
30	T08	L273732030	7/23/2008

Truss #	Truss Label	Drawing #	Seal Date
31	T09	L273732031	7/23/2008
32	T10	L273732032	7/23/2008
33	T11	L273732033	7/23/2008
34	T12	L273732034	7/23/2008
35	T13	L273732035	7/23/2008
36	T14	L273732036	7/23/2008
37	T15	L273732037	7/23/2008
38	T16	L273732038	7/23/2008
39	T17	L273732039	7/23/2008
40	T18	L273732040	7/23/2008
41	T19	L273732041	7/23/2008
42	T20	L273732042	7/23/2008
43	T21	L273732043	7/23/2008
44	T22	L273732044	7/23/2008
45	T23	L273732045	7/23/2008
46	T23G	L273732046	7/23/2008
47	T24	L273732047	7/23/2008
48	T25	L273732048	7/23/2008
49	T25G	L273732049	7/23/2008
50	T26	L273732050	7/23/2008
51	T26G	L273732051	7/23/2008
52	T27	L273732052	7/23/2008
53	T28	L273732053	7/23/2008
54	T29	L273732054	7/23/2008
55	V1G	L273732055	7/23/2008

Truss #	Truss Label	Drawing #	Seal Date

Project Information:	Builder: ADAMS FRAMING AND CONSTRUCTI	Builders FirstSource
	Model: custom	2525 E. Duval St.
	Builders FirstSource Job #: L273732	Lake City, FL 32055

Builders FirstSource

To whom it may concern,

This letter is intended to address the issue of warning notes on 7' jack trusses. I have reviewed the jack truss and it passes without modification for any jack up to 7' with a total loading not to exceed 55# and a maximum overhang of 2'. Below is a copy of note you will see on the jack. This letter will act as an approval for the truss mentioned above.

*****Design Problems*** Review Required/ Max Deflection In Panel Exceeded: A-B**

Sincerely,

JULIUS LEE LICENSE No. 34869 AUG 04 2007 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL. PE# 34869

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	CJ3	JACK	8	1	L273732002
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jul 23 15:30:15 2008 Page 1

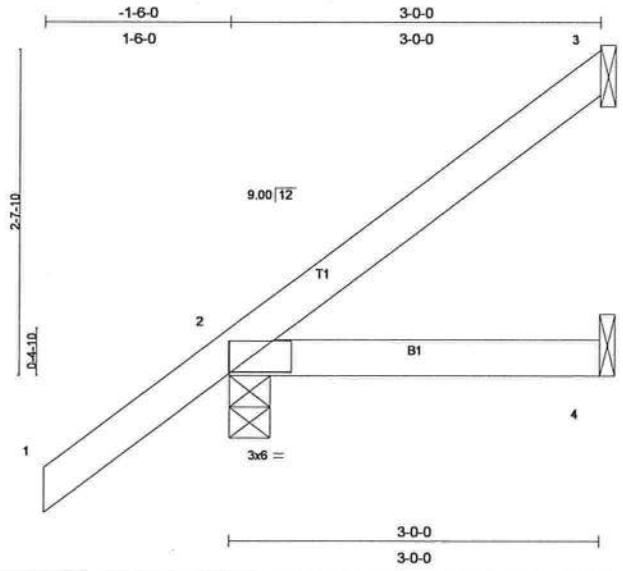


Plate Offsets (X,Y): [2:0-3-13,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.19	Vert(LL)	-0.00	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.05	Vert(TL)	-0.01	2-4	>999	240		
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=206/0-4-0, 4=14/Mechanical
Max Horz 2=173(load case 6)
Max Uplift3=-53(load case 6), 2=-136(load case 6)
Max Grav 3=48(load case 1), 2=206(load case 1), 4=42(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-64/21
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.15

NOTES (5)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 53 lb uplift at joint 3 and 136 lb uplift at joint 2.
5) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	CJ5	JACK	2	1	L273732004
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jul 23 15:30:16 2008 Page 1

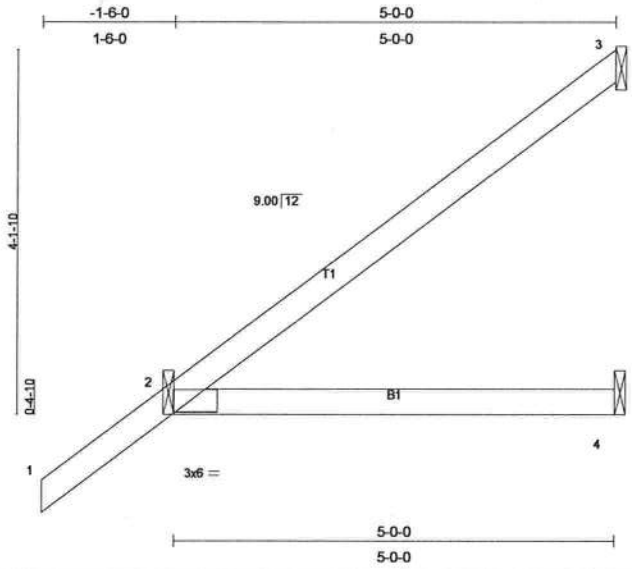


Plate Offsets (X,Y): [2:0-3-13,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plates Increase	1.25	TC 0.23		Vert(LL)	-0.03	2-4	>999	360	MT20	244/190
TCDL 7.0		Lumber Increase	1.25	BC 0.17		Vert(TL)	-0.05	2-4	>999	240		
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: 20 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=118/Mechanical, 2=254/Mechanical, 4=24/Mechanical
Max Horz 2=242(load case 6)
Max Uplift3=-137(load case 6), 2=-120(load case 6)
Max Grav 3=118(load case 1), 2=254(load case 1), 4=73(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-118/56
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.17

NOTES (5)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 137 lb uplift at joint 3 and 120 lb uplift at joint 2.
5) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	EJ1	MONO TRUSS	2	1	L273732006 Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jul 23 15:30:18 2008 Page 1

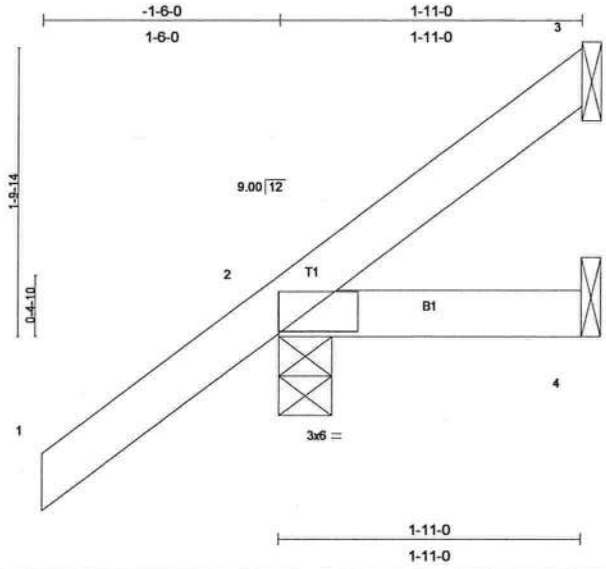


Plate Offsets (X,Y): [2:0-3-13,0-1-8]

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)	-0.00	2	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.02	Vert(TL)	-0.00	2-4	>999	240		
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: 10 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 1-11-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=177/0-4-0, 4=9/Mechanical, 3=17/Mechanical
Max Horz 2=137(load case 6)
Max Uplift2=-144(load case 6), 3=-23(load case 7)
Max Grav 2=177(load case 1), 4=28(load case 2), 3=25(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-53/15
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.13

NOTES (5)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 144 lb uplift at joint 2 and 23 lb uplift at joint 3.
5) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	EJ1B	MONO TRUSS	2	1	L273732008
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jul 23 15:30:19 2008 Page 1

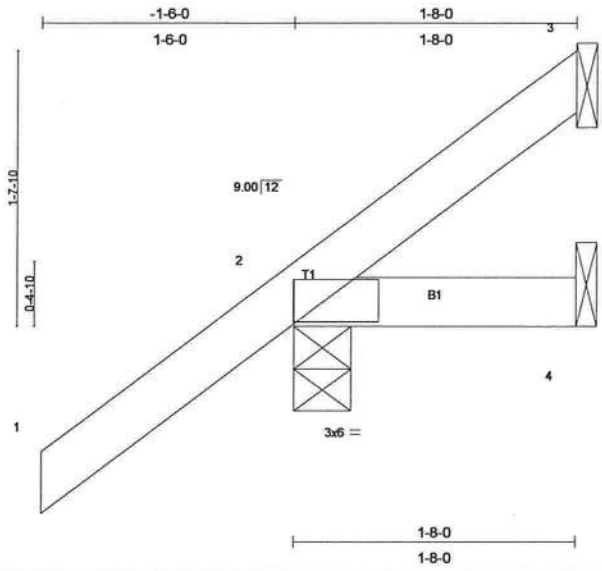


Plate Offsets (X,Y): [2:0-3-13,0-1-8]

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)	-0.00	2	>999	360	MT20	244/190
TCDL 7.0		Lumber Increase	1.25	BC	0.03	Vert(TL)	-0.00	2	>999	240		
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: 9 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 1-8-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=174/0-4-0, 4=8/Mechanical, 3=5/Mechanical
Max Horz 2=129(load case 6)
Max Uplift2=-172(load case 6), 4=-19(load case 4), 3=-15(load case 7)
Max Grav 2=174(load case 1), 4=24(load case 2), 3=25(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-52/15
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.13

NOTES (5)
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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 172 lb uplift at joint 2, 19 lb uplift at joint 4 and 15 lb uplift at joint 3.
5) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	EJ5A	JACK	1	1	L273732010
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jul 23 15:30:21 2008 Page 1

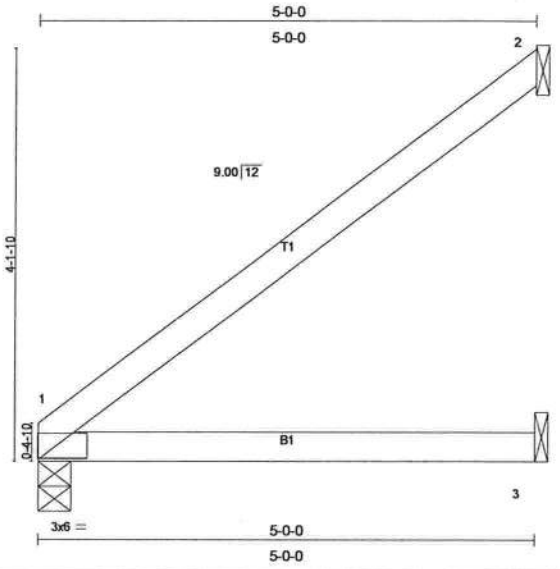


Plate Offsets (X,Y): [1:0-3-13,0-1-8]

LOADING (psf)			SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0		Plates Increase	1.25	TC	0.32	Vert(LL)	0.05	1-3	>999	360	MT20	244/190
TCDL	7.0		Lumber Increase	1.25	BC	0.33	Vert(TL)	-0.09	1-3	>605	240		
BCLL	10.0	*	Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	2	n/a	n/a		
BCDL	5.0		Code FBC2004/TPI2002		(Matrix)							Weight: 17 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) 1=262/0-4-0, 2=129/Mechanical, 3=134/Mechanical
Max Horz 1=173(load case 5)
Max Uplift1=-64(load case 5), 2=-158(load case 5), 3=-42(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-120/64
BOT CHORD 1-3=0/0

JOINT STRESS INDEX
1 = 0.08

NOTES (6)
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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 64 lb uplift at joint 1, 158 lb uplift at joint 2 and 42 lb uplift at joint 3.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
6) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54, 1-3=-56(F=-46)

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	EJ7A	SPECIAL	6	1	L273732012
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jul 23 15:30:22 2008 Page 1

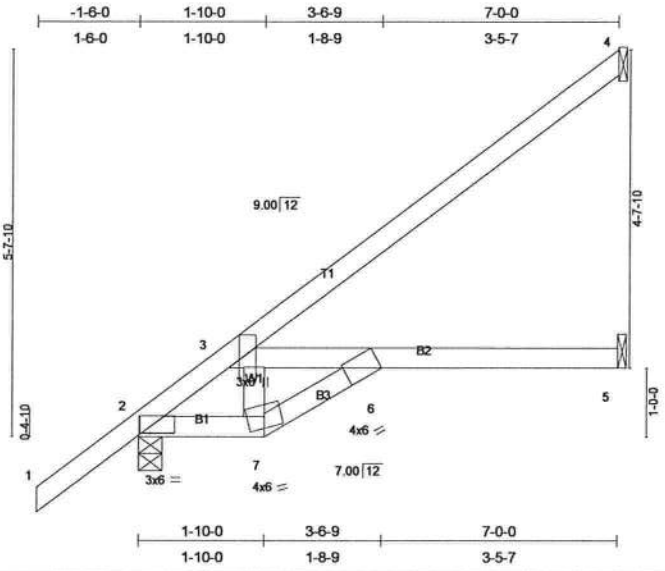


Plate Offsets (X,Y): [2:0-6-3,0-0-6], [3:0-4-0,0-0-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plates Increase	1.25	TC 0.30		Vert(LL)	0.12	5-6	>699	360	MT20	244/190
TCDL 7.0		Lumber Increase	1.25	BC 0.44		Vert(TL)	-0.17	5-6	>471	240		
BCLL 10.0	*	Rep Stress Incr	YES	WB 0.03		Horz(TL)	0.05	5	n/a	n/a		
BCDL 5.0		Code FBC2004/TPI2002		(Matrix)							Weight: 31 lb	

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

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

REACTIONS (lb/size) 4=134/Mechanical, 2=333/0-4-0, 5=79/Mechanical
Max Horz 2=223(load case 6)
Max Uplift4=-97(load case 6), 2=-68(load case 6), 5=-11(load case 6)
Max Grav 4=134(load case 1), 2=333(load case 1), 5=120(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-336/0, 3-4=-126/62
BOT CHORD 2-7=-261/262, 6-7=-200/230, 3-6=-232/197, 5-6=0/0
WEBS 3-7=-60/129

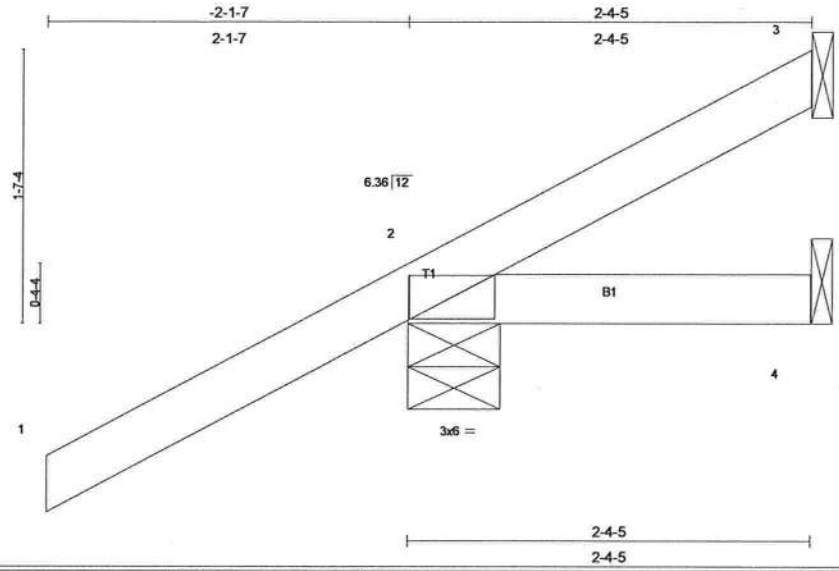
JOINT STRESS INDEX
2 = 0.68, 3 = 0.58, 6 = 0.42 and 7 = 0.22

NOTES (5)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 97 lb uplift at joint 4, 68 lb uplift at joint 2 and 11 lb uplift at joint 5.
5) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	HJ2A	JACK	1	1	L273732014
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jul 23 15:30:23 2008 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)	-0.00	2	>999	360	MT20	244/190
TCDL	7.0		Lumber Increase	1.25	BC	0.03	Vert(TL)	-0.00	2-4	>999	240		
BCLL	10.0	*	Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0		Code FBC2004/TPI2002		(Matrix)							Weight: 11 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 2-4-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=-44/Mechanical, 2=226/0-6-7, 4=6/Mechanical
Max Horz 2=88(load case 5)
Max Uplift3=-44(load case 1), 2=-251(load case 5), 4=-22(load case 3)
Max Grav 3=73(load case 5), 2=226(load case 1), 4=26(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/53, 2-3=-50/38
BOT CHORD 2-4=0/0

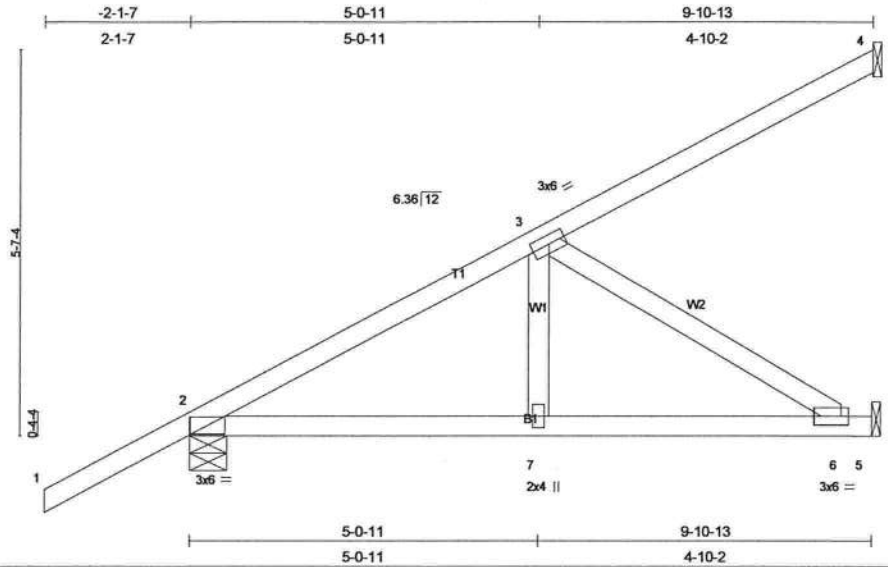
JOINT STRESS INDEX
2 = 0.11

NOTES (6)
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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 44 lb uplift at joint 3, 251 lb uplift at joint 2 and 22 lb uplift at joint 4.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
6) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

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=-5(F=24, B=24)-to-3=-45(F=5, B=5), 2=0(F=5, B=5)-to-4=-8(F=1, B=1)

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	HJ9	MONO TRUSS	1	1	L273732016
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jul 23 15:30:24 2008 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	0.45	Vert(LL)	0.03	6-7	>999	360	MT20	244/190
TCDL	7.0		Lumber Increase	1.25	BC	0.21	Vert(TL)	-0.06	6-7	>999	240		
BCLL	10.0	*	Rep Stress Incr	NO	WB	0.22	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0		Code FBC2004/TPI2002		(Matrix)							Weight: 46 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 10-0-0 oc bracing.

REACTIONS (lb/size) 4=233/Mechanical, 2=409/0-6-7, 5=262/Mechanical
Max Horz 2=390(load case 5)
Max Uplift4=-257(load case 5), 2=-158(load case 5), 5=-140(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/53, 2-3=-460/0, 3-4=-156/80
BOT CHORD 2-7=-283/382, 6-7=-283/382, 5-6=0/0
WEBS 3-7=0/197, 3-6=-450/333

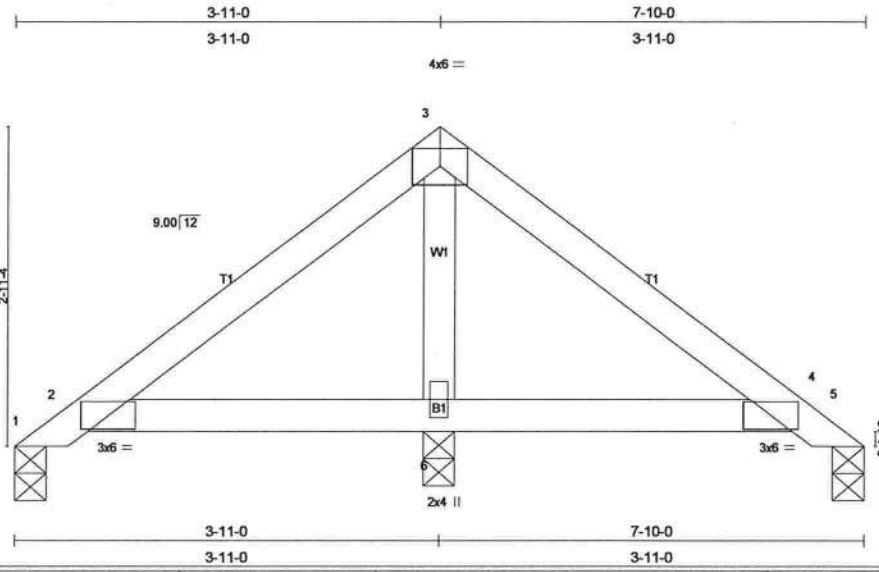
JOINT STRESS INDEX
2 = 0.67, 3 = 0.17, 6 = 0.13 and 7 = 0.14

NOTES (6)
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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 257 lb uplift at joint 4, 158 lb uplift at joint 2 and 140 lb uplift at joint 5.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
6) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-4(F=25, B=25)-to-4=-134(F=-40, B=-40), 2=0(F=5, B=5)-to-5=-25(F=-7, B=-7)

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	PB1	PIGGYBACK	4	1	L273732018 Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jul 23 15:30:26 2008 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	0.11	Vert(LL)	-0.01	4-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	-0.01	4-6	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.06	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 27 lb	

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

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

REACTIONS (lb/size) 1=39/0-3-8, 5=39/0-3-8, 6=406/0-3-8
Max Horz 1=-79(load case 4)
Max Uplift1=-11(load case 11), 5=-26(load case 4), 6=-96(load case 6)
Max Grav 1=65(load case 10), 5=65(load case 11), 6=406(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-70/71, 2-3=-71/170, 3-4=-71/170, 4-5=-34/19
BOT CHORD 2-6=-87/124, 4-6=-87/124
WEBS 3-6=-334/225

JOINT STRESS INDEX
2 = 0.29, 3 = 0.26, 4 = 0.29 and 6 = 0.13

NOTES (8)
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 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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 1, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 11 lb uplift at joint 1, 26 lb uplift at joint 5 and 96 lb uplift at joint 6.
7) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS
8) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	T01	HIP	1	1	L273732020
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jul 23 15:30:28 2008 Page 1

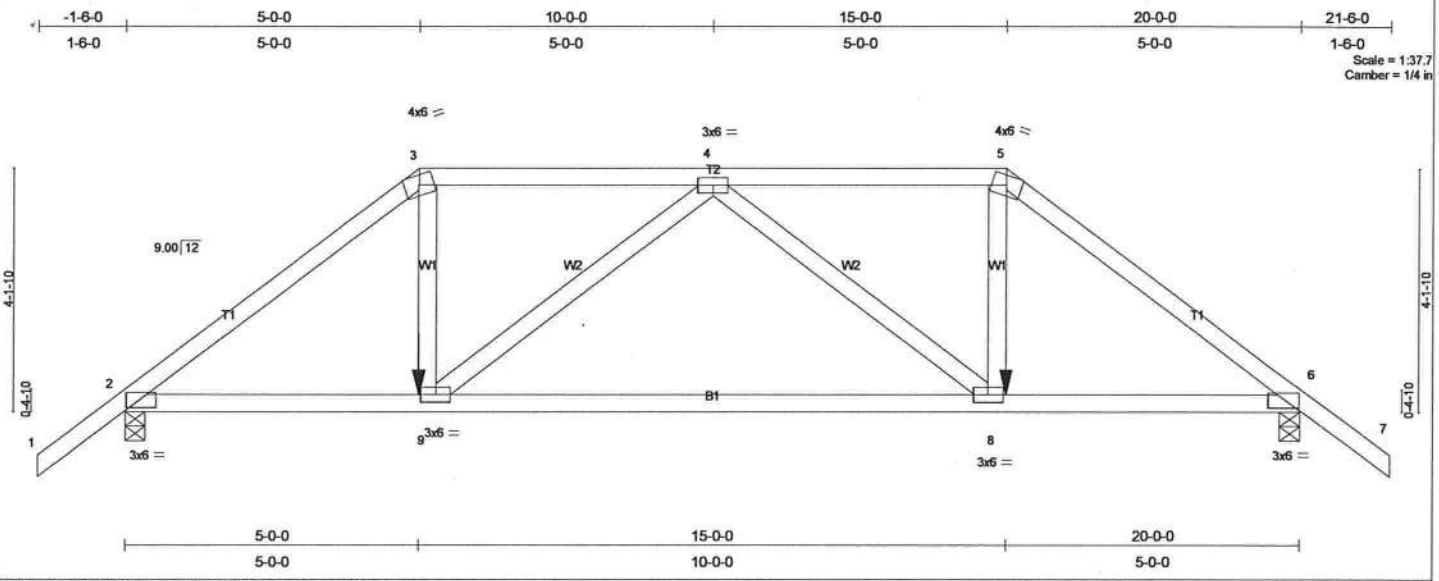


Plate Offsets (X,Y): [2:0-6-3,0-0-10], [6:0-6-3,0-0-10]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.33	Vert(LL)	-0.17	8-9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.61	Vert(TL)	-0.41	8-9	>570	240		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.29	Horz(TL)	0.04	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 98 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 4-11-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-4-7 oc bracing.

REACTIONS (lb/size) 2=1118/0-4-0, 6=1118/0-4-0
Max Horz 2=-104(load case 3)
Max Uplift2=-457(load case 5), 6=-457(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-1534/651, 3-4=-1166/566, 4-5=-1166/566, 5-6=-1534/651, 6-7=0/49
BOT CHORD 2-9=-541/1144, 8-9=-723/1459, 6-8=-452/1144
WEBS 3-9=-246/576, 4-9=-429/334, 4-8=-429/334, 5-8=-246/576

JOINT STRESS INDEX
2 = 0.71, 3 = 0.50, 4 = 0.35, 5 = 0.50, 6 = 0.71, 8 = 0.38 and 9 = 0.38

NOTES (10)
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; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 457 lb uplift at joint 2 and 457 lb uplift at joint 6.
7) Girder carries hip end with 5-0-0 end setback.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 187 lb down and 130 lb up at 15-0-0, and 187 lb down and 130 lb up at 5-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-5=-90(F=-36), 5-7=-54, 2-9=-10, 8-9=-17(F=-7), 6-8=-10
Concentrated Loads (lb)
Vert: 9=-187(F) 8=-187(F)

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	T02	HIP	2	1	L273732022 Job Reference (optional)

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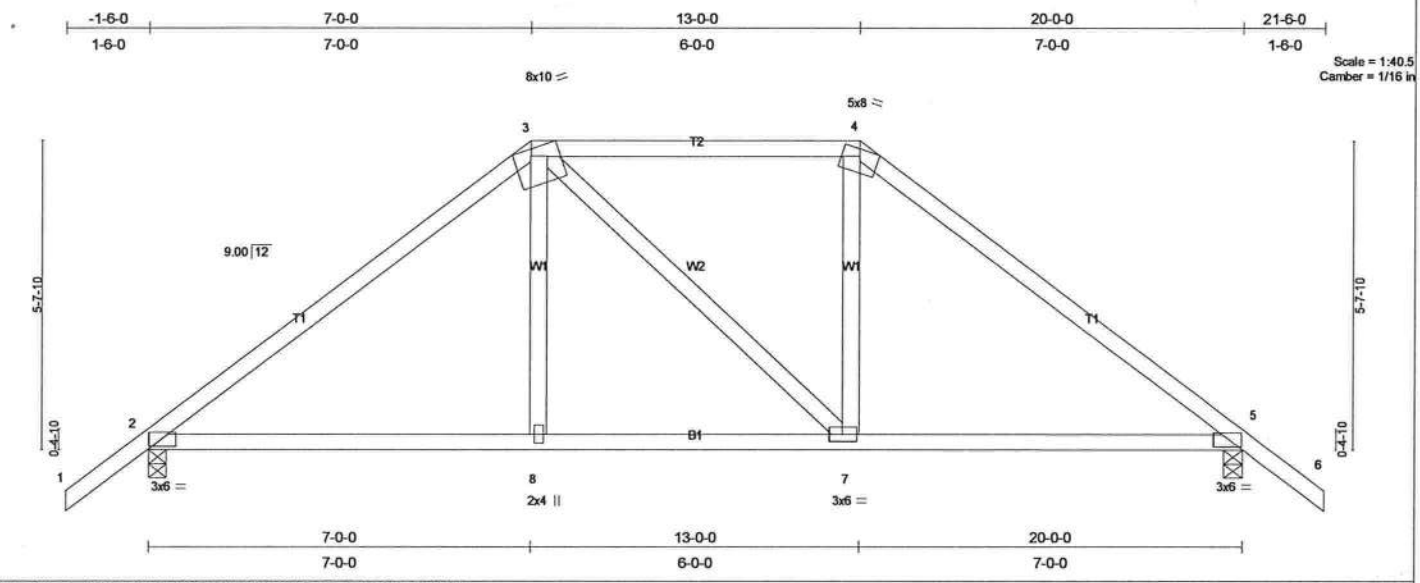

Plate Offsets (X,Y): [2:0-6-3,0-0-10], [3:0-3-14,Edge], [5:0-6-3,0-0-10]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	-0.06	2-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.29	Vert(TL)	-0.12	2-8	>999	240		
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: 97 lb	

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

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

REACTIONS (lb/size) 2=719/0-4-0, 5=719/0-4-0
Max Horz 2=-146(load case 4)
Max Uplift2=-190(load case 6), 5=-190(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-816/357, 3-4=-561/380, 4-5=-816/357, 5-6=0/49
BOT CHORD 2-8=-152/559, 7-8=-152/561, 5-7=-78/559
WEBS 3-8=0/201, 3-7=-126/127, 4-7=-29/201

JOINT STRESS INDEX
2 = 0.58, 3 = 0.66, 4 = 0.68, 5 = 0.58, 7 = 0.36 and 8 = 0.34

NOTES (7)
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 and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 190 lb uplift at joint 2 and 190 lb uplift at joint 5.
7) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	T04	COMMON	2	1	L273732024
					Job Reference (optional)

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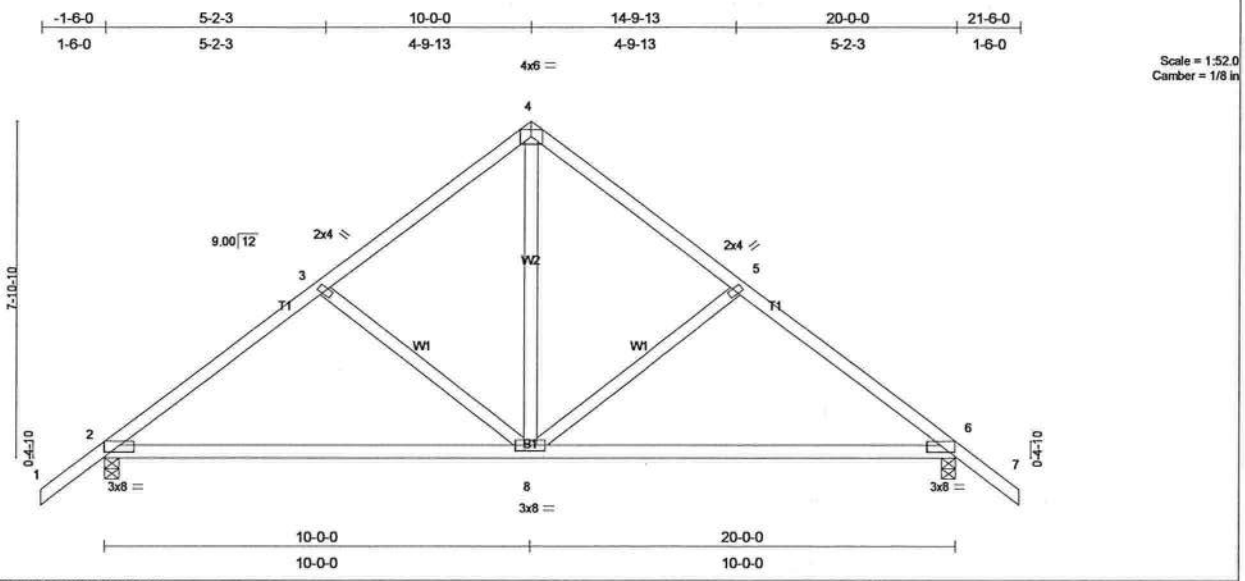

Plate Offsets (X,Y): [2:0-8-3,0-1-6], [6:0-8-3,0-1-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.22	Vert(LL)	-0.15	6-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.46	Vert(TL)	-0.27	6-8	>870	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.21	Horz(TL)	0.02	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 102 lb	

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

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

REACTIONS (lb/size) 2=719/0-4-0, 6=719/0-4-0
Max Horz 2=-208(load case 4)
Max Uplift2=-202(load case 6), 6=-202(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-833/372, 3-4=-615/340, 4-5=-615/340, 5-6=-833/372, 6-7=0/49
BOT CHORD 2-8=-132/597, 6-8=-124/597
WEBS 3-8=-232/228, 4-8=-215/430, 5-8=-232/228

JOINT STRESS INDEX
2 = 0.72, 3 = 0.34, 4 = 0.42, 5 = 0.34, 6 = 0.72 and 8 = 0.57

NOTES (6)
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 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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 202 lb uplift at joint 2 and 202 lb uplift at joint 6.
6) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	T05A	COMMON	3	1	L273732026
					Job Reference (optional)

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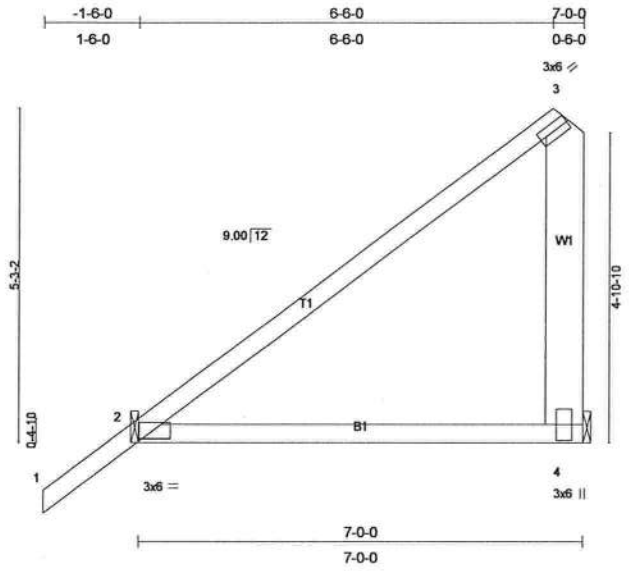

Plate Offsets (X,Y): [2:0-6-3,0-0-10], [3:Edge,0-1-8]

LOADING (psf)		SPACING 2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plates Increase 1.25	TC 0.28	Vert(LL)	-0.03	2-4	>999	360	MT20	244/190
TCDL 7.0		Lumber Increase 1.25	BC 0.20	Vert(TL)	-0.07	2-4	>999	240		
BCLL 10.0	*	Rep Stress Incr YES	WB 0.00	Horz(TL)	0.00	4	n/a	n/a		
BCDL 5.0		Code FBC2004/TPI2002	(Matrix)						Weight: 40 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 8 SYP No.1D

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) 2=307/Mechanical, 4=200/Mechanical
Max Horz 2=216(load case 6)
Max Uplift2=-75(load case 6), 4=-107(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-177/39, 3-4=-145/194
BOT CHORD 2-4=-57/62

JOINT STRESS INDEX
2 = 0.53, 3 = 0.68 and 4 = 0.42

NOTES (5)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 75 lb uplift at joint 2 and 107 lb uplift at joint 4.
5) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	T06	HIP	1	2	L273732028

Job Reference (optional)

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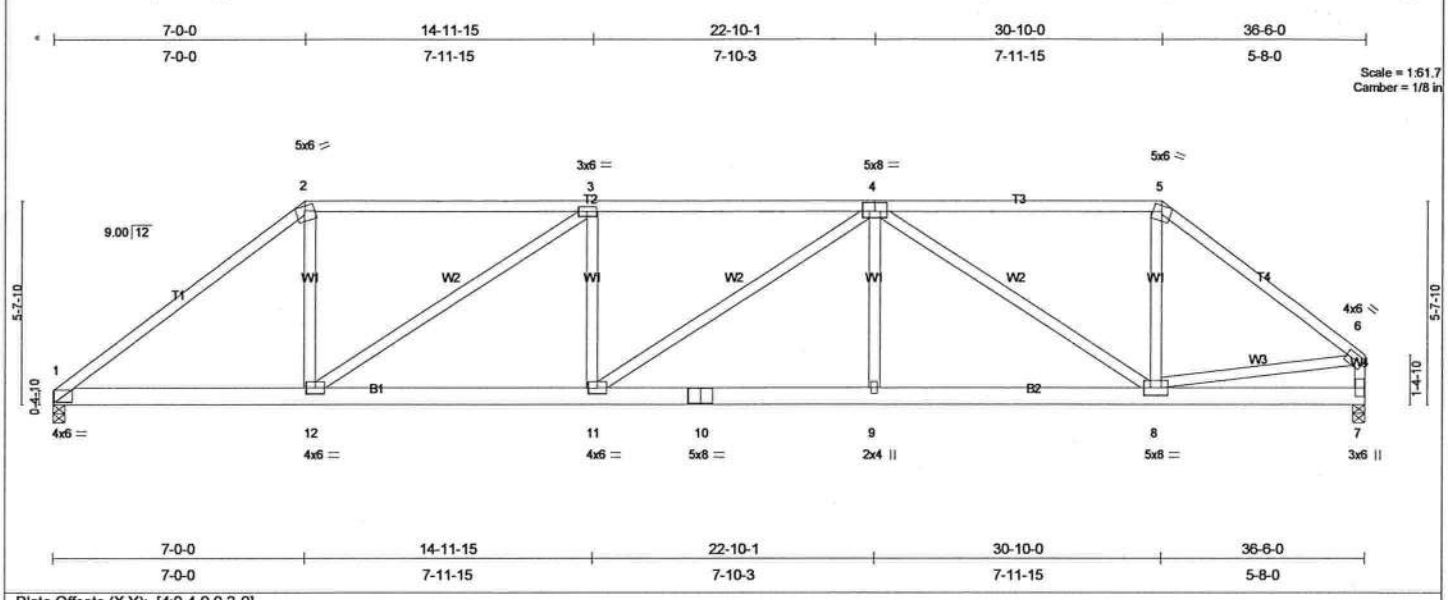

Plate Offsets (X,Y): [4:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.53	Vert(LL)	0.14	9-11	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.32	Vert(TL)	-0.23	9-11	>999	240		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.73	Horz(TL)	0.06	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 447 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.1D
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 10-0-0 oc bracing.

REACTIONS (lb/size) 1=2518/0-4-0, 7=2519/0-4-0
Max Horz 1=144(load case 4)
Max Uplift1=-1108(load case 4), 7=-1134(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-3571/1667, 2-3=-2835/1418, 3-4=-4303/2214, 4-5=-2387/1215, 5-6=-2999/1416, 6-7=-2253/1049
BOT CHORD 1-12=-1406/2793, 11-12=-2217/4303, 10-11=-2132/4184, 9-10=-2132/4184, 8-9=-2132/4184, 7-8=-130/282
WEBS 2-12=-611/1451, 3-12=-1850/1086, 3-11=0/269, 4-11=-102/171, 4-9=0/334, 4-8=-2206/1226, 5-8=-463/1143, 6-8=-1153/2130

JOINT STRESS INDEX
1 = 0.59, 2 = 0.75, 3 = 0.35, 4 = 0.56, 5 = 0.66, 6 = 0.74, 7 = 0.44, 8 = 0.49, 9 = 0.34, 10 = 0.46, 11 = 0.25 and 12 = 0.33

NOTES (11)
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 6 - 2 rows 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; Lumber DOL=1.60 plate grip DOL=1.60.
5) Provide adequate drainage to prevent water ponding.
6) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1108 lb uplift at joint 1 and 1134 lb uplift at joint 7.
9) Girder carries tie-in span(s): 7-0-0 from 0-0-0 to 7-0-0; 7-0-0 from 30-10-0 to 36-6-0
10) Girder carries hip end with 5-8-0 right side setback, 7-0-0 left side setback, and 7-0-0 end setback.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54, 2-5=-117(F=-63), 5-6=-54, 1-12=-85(F=-75), 8-12=-22(F=-12), 7-8=-85(F=-75)

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	T08	HIP	1	1	L273732030
					Job Reference (optional)

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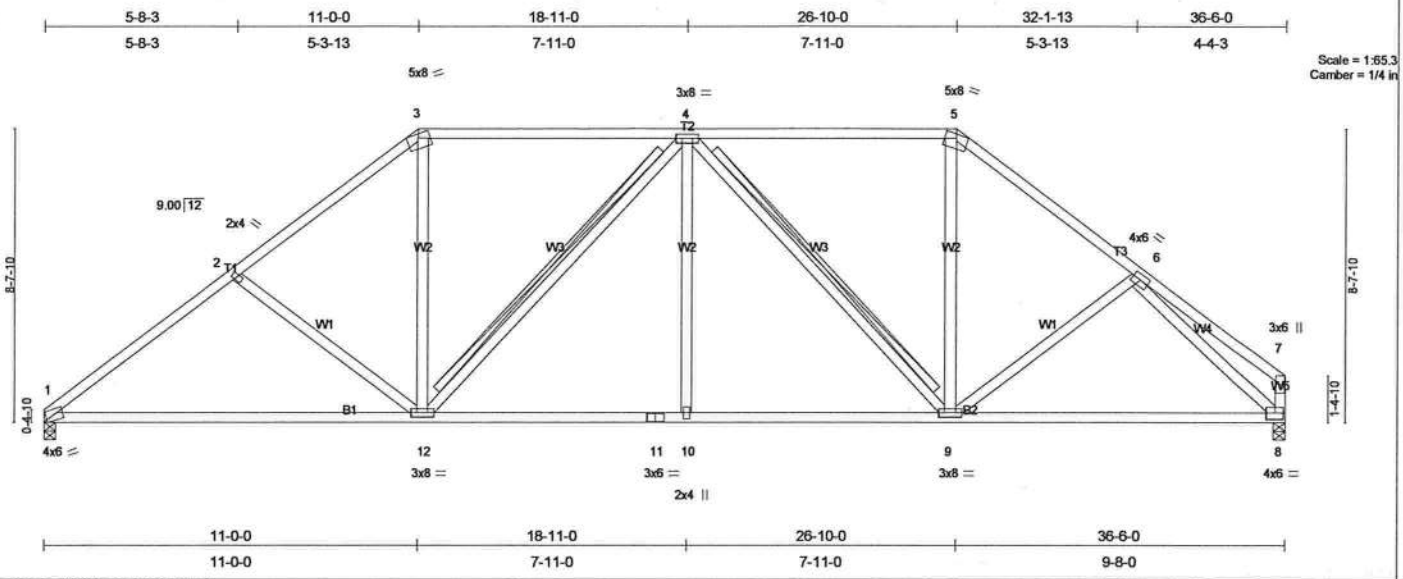

Plate Offsets (X,Y): [1:0-1-2,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.75	Vert(LL)	-0.30	1-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.68	Vert(TL)	-0.56	1-12	>773	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.74	Horz(TL)	0.07	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 215 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 4-5-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-10-12 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-12, 4-9
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c. ,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 1=1158/0-4-0, 8=1158/0-4-0
Max Horz 1=230(load case 5)
Max Uplift1=-243(load case 5), 8=-240(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1665/830, 2-3=-1445/790, 3-4=-1098/716, 4-5=-1016/677, 5-6=-1335/736, 6-7=-319/126, 7-8=-242/135
BOT CHORD 1-12=-605/1267, 11-12=-510/1294, 10-11=-510/1294, 9-10=-510/1294, 8-9=-466/999
WEBS 2-12=-226/257, 3-12=-217/489, 4-12=-390/233, 4-10=0/196, 4-9=-488/248, 5-9=-178/425, 6-9=-110/144, 6-8=-1201/626

JOINT STRESS INDEX
1 = 0.81, 2 = 0.34, 3 = 0.63, 4 = 0.57, 5 = 0.68, 6 = 0.35, 7 = 0.32, 8 = 0.71, 9 = 0.57, 10 = 0.34, 11 = 0.43 and 12 = 0.57

NOTES (7)
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 and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 243 lb uplift at joint 1 and 240 lb uplift at joint 8.
7) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	T10	HIP	5	1	L273732032 Job Reference (optional)

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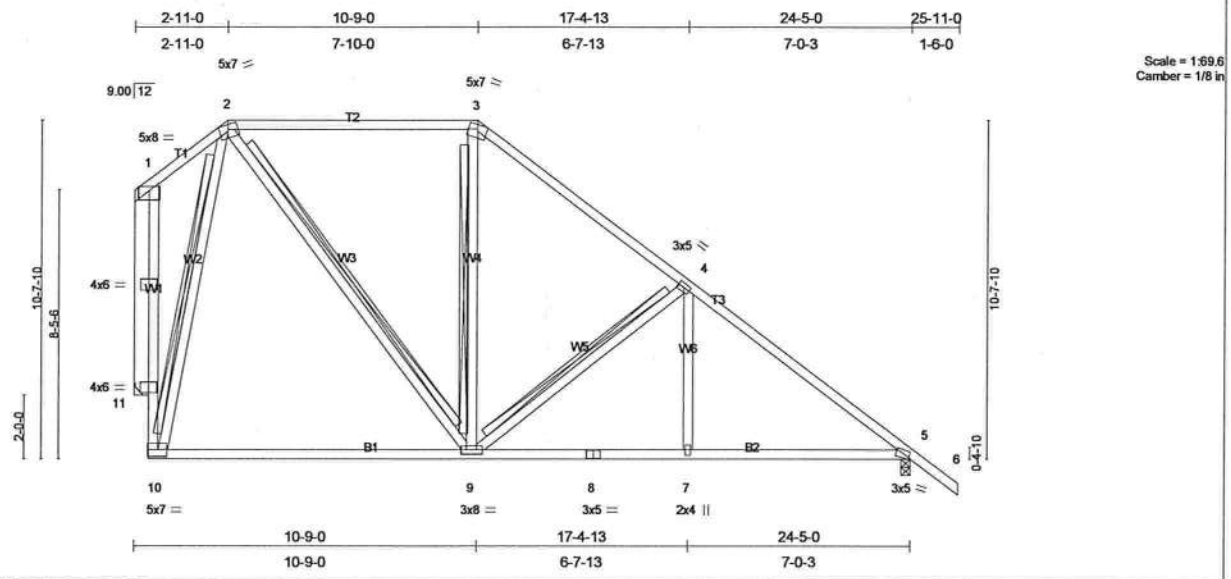


Plate Offsets (X,Y): [5:0-0-13,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.74	Vert(LL)	-0.19	9-10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.49	Vert(TL)	-0.35	9-10	>815	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.46	Horz(TL)	0.11	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 178 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 *Except*
W3 2 X 4 SYP No.2, W1 2 X 4 SYP No.2
OTHERS 2 X 6 SYP No.1D

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-9-11 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 2-3.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 2-9, 3-9, 4-9, 2-10
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c. ,with 4in minimum end distance.
Brace must cover 90% of web length.

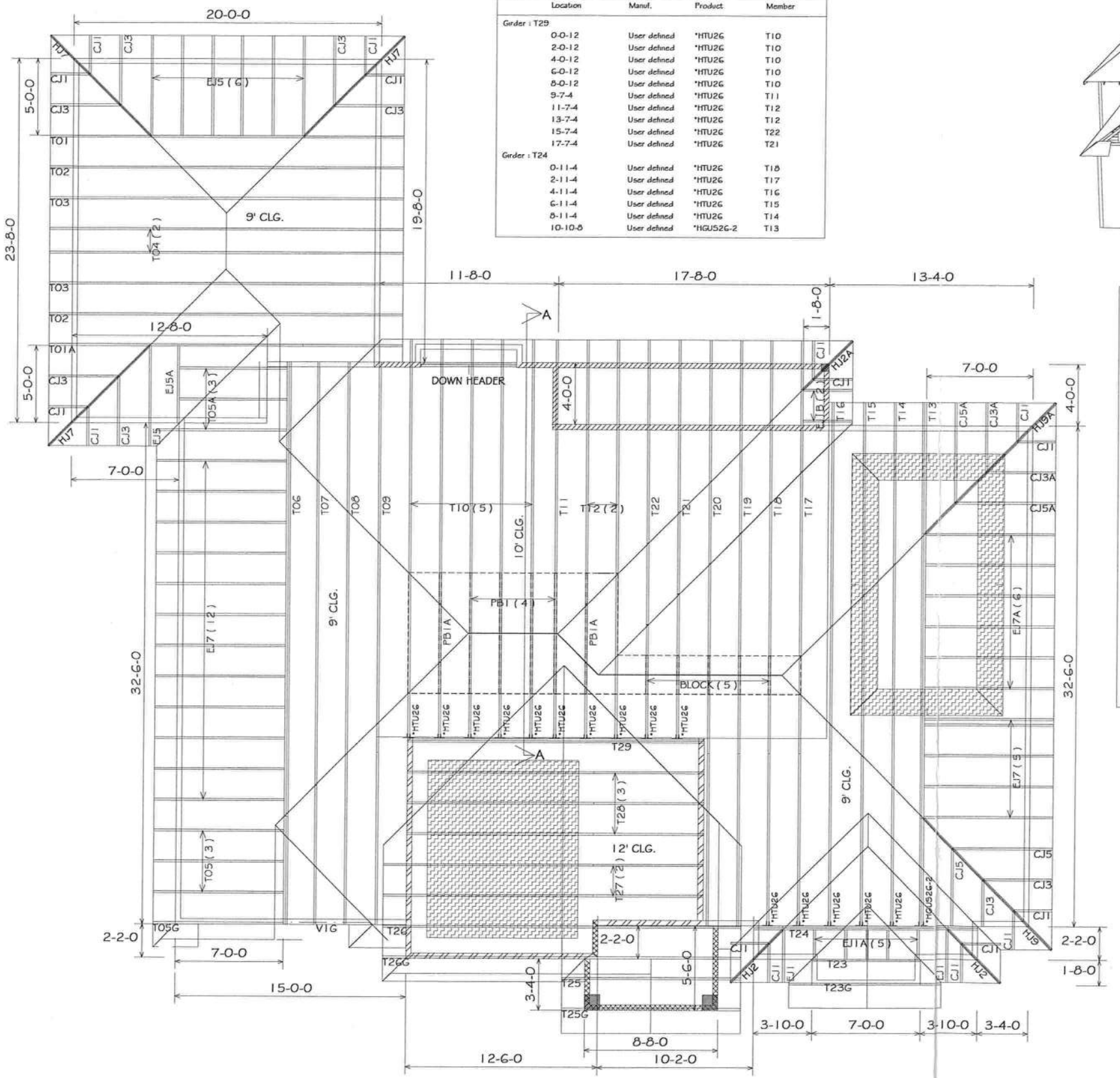
REACTIONS (lb/size) 5=849/0-3-8, 11=762/Mechanical
Max Horz 11=-348(load case 7)
Max Uplift5=-251(load case 7), 11=-212(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-47/154, 2-3=-448/400, 3-4=-666/383, 4-5=-1034/408, 5-6=0/48, 10-11=-276/782, 1-11=-63/120
BOT CHORD 9-10=-61/282, 8-9=-125/733, 7-8=-125/733, 5-7=-125/733
WEBS 2-9=-270/472, 3-9=-70/133, 4-9=-361/312, 4-7=0/199, 2-10=-750/330

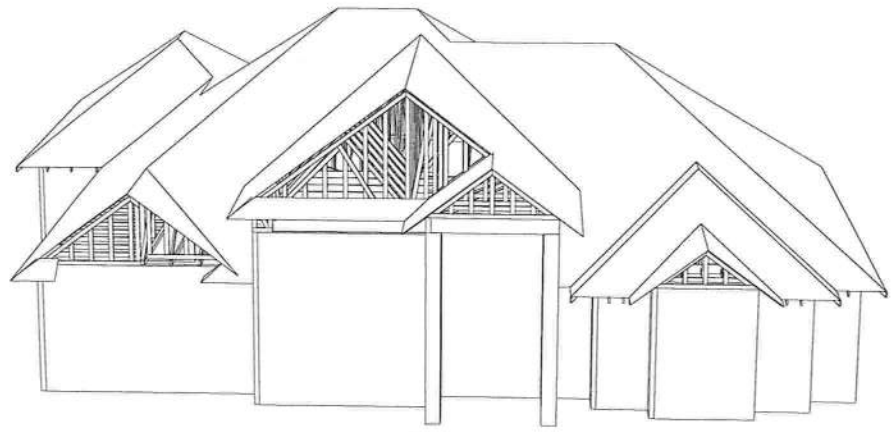
JOINT STRESS INDEX
1 = 0.29, 2 = 0.69, 3 = 0.74, 4 = 0.52, 5 = 0.71, 7 = 0.34, 8 = 0.24, 9 = 0.58, 10 = 0.69, 11 = 0.00, 11 = 0.32 and 11 = 0.32

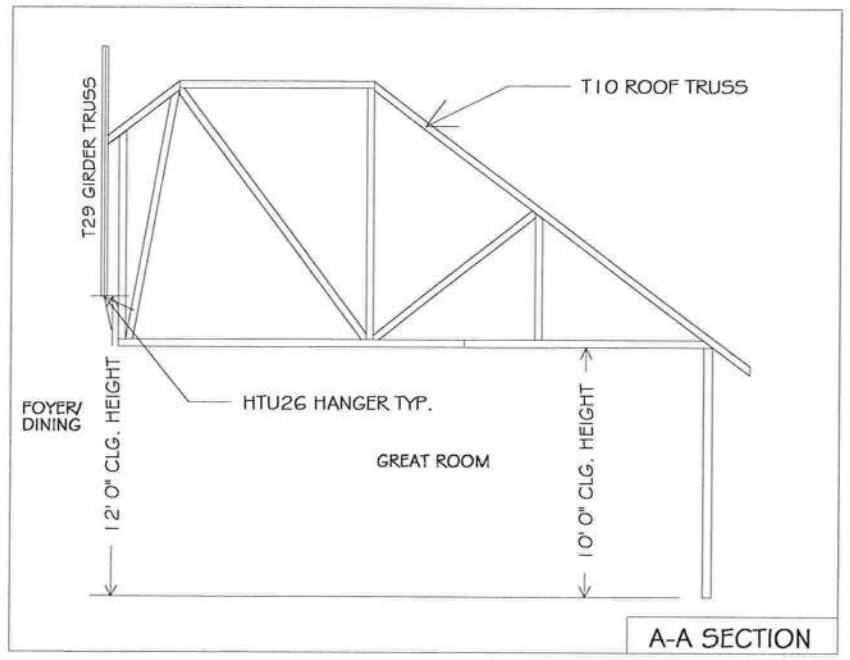
NOTES (8-9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 251 lb uplift at joint 5 and 212 lb uplift at joint 11.
7) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
8) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
9) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard



ROOF/FLOOR TRUSS HANGER LIST			
Truss			
Location	Manuf.	Product	Member
Girder : T29			
0-0-12	User defined	*HTU26	T10
2-0-12	User defined	*HTU26	T10
4-0-12	User defined	*HTU26	T10
6-0-12	User defined	*HTU26	T10
8-0-12	User defined	*HTU26	T10
9-7-4	User defined	*HTU26	T11
11-7-4	User defined	*HTU26	T12
13-7-4	User defined	*HTU26	T12
15-7-4	User defined	*HTU26	T22
17-7-4	User defined	*HTU26	T21
Girder : T24			
0-11-4	User defined	*HTU26	T18
2-11-4	User defined	*HTU26	T17
4-11-4	User defined	*HTU26	T16
6-11-4	User defined	*HTU26	T15
8-11-4	User defined	*HTU26	T14
10-10-8	User defined	*HGUS26-2	T13





A-A SECTION

TRUSS INFORMATION:

ROOF PITCH: 9/12

CEILING: TRAYS @ MASTER & DINING

OVERHANG: 1' 6"

HANGER LIST:
15 - HTU26
1 - HGUS26-2 (CONNECTS T13 TO T24)

VALLEY:
BY OTHERS

NOTE: ALL HEADERS AND BEAMS BY OTHERS
ADDITIONAL BEARING WALLS @ DINING/FOYER & AROUND GARAGE.

BEARING HEIGHT SCHEDULE

9' 0"

10' 0"

12' 0"

14' 0"

INDICATES TRAY/BOX CLG.

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 V10S 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 HTU26 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: 386-755-6894 FAX: 386-755-7973

Sanford
PHONE: 407-322-0099 FAX: 407-322-5553

BUILDER: ADAMS FRAMING

LEGAL ADDRESS: LAKE CITY, FL

MODEL: _____ REVISION: _____

SCALE: NTS

DATE:	DRAWN BY:	JOB #:
04/10/08	JP	L273732

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	T11	HIP	1	1	L273732033
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jul 23 15:30:39 2008 Page 1

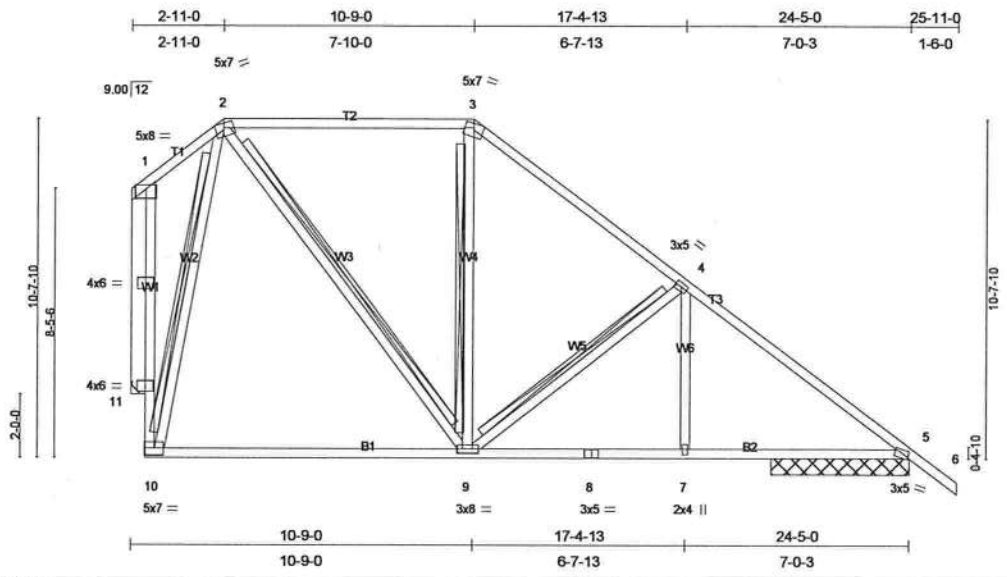


Plate Offsets (X,Y): [5:0-0-13,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.74	Vert(LL)	-0.20	9-10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.49	Vert(TL)	-0.35	9-10	>816	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.47	Horz(TL)	0.11	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 178 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 *Except*
W3 2 X 4 SYP No.2, W1 2 X 4 SYP No.2
OTHERS 2 X 6 SYP No.1D

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-9-2 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 2-3.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 2-9, 3-9, 4-9, 2-10
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c. ,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 5=846/4-4-0, 11=767/Mechanical
Max Horz 11=-348(load case 7)
Max Uplift5=-246(load case 7), 11=-213(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-47/154, 2-3=-453/402, 3-4=-673/387, 4-5=-1051/417, 5-6=0/47, 10-11=-279/787, 1-11=-63/120
BOT CHORD 9-10=-60/281, 8-9=-135/752, 7-8=-135/752, 5-7=-135/752
WEBS 2-9=-273/478, 3-9=-65/136, 4-9=-379/321, 4-7=0/202, 2-10=-755/332

JOINT STRESS INDEX
1 = 0.29, 2 = 0.69, 3 = 0.73, 4 = 0.52, 5 = 0.79, 7 = 0.34, 8 = 0.25, 9 = 0.58, 10 = 0.69, 11 = 0.00, 11 = 0.32 and 11 = 0.32

NOTES (8-9)
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 and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 246 lb uplift at joint 5 and 213 lb uplift at joint 11.
7) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
8) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
9) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	T09	SPECIAL	1	1	L273732031
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jul 23 15:30:37 2008 Page 1

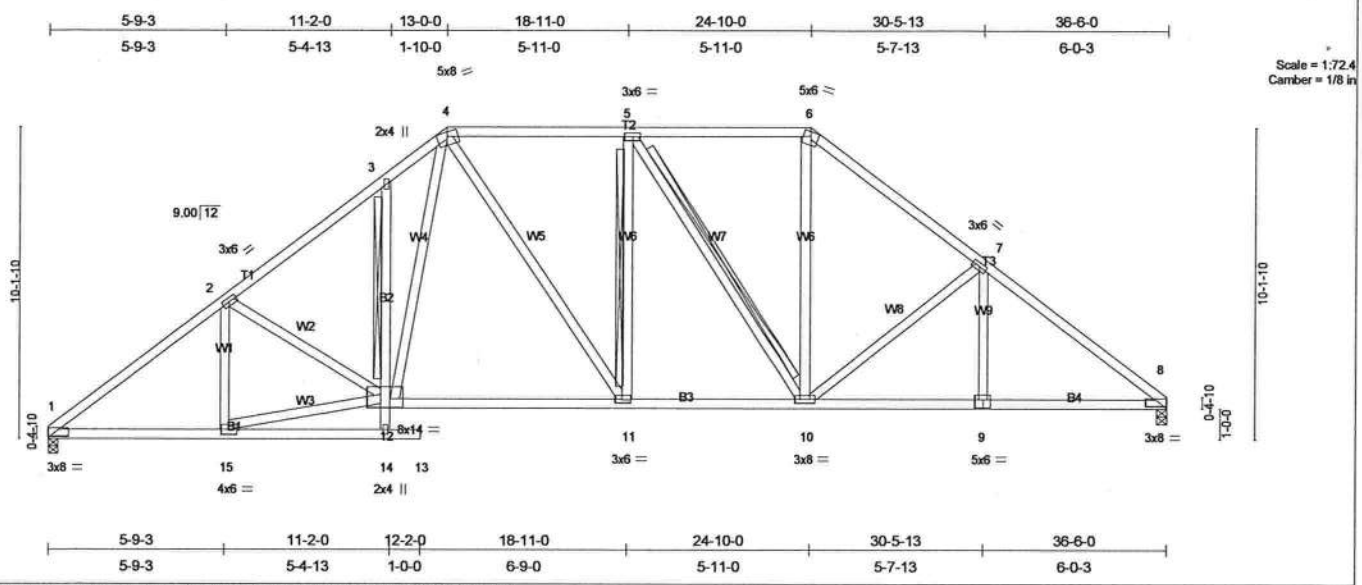


Plate Offsets (X,Y): [1:0-8-3,0-0-10], [8:0-8-3,0-0-14], [9:0-3-0,0-3-0], [12:0-5-0,0-3-5]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.30	Vert(LL)	-0.11	11-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.24	11-12	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.47	Horz(TL)	0.09	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 240 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 4-7-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
T-Brace: 2 X 4 SYP No.3 - 3-12
WEBS T-Brace: 2 X 4 SYP No.3 - 5-11, 5-10
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c. ,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 1=1165/0-4-0, 8=1161/0-4-0
Max Horz 1=271(load case 5)
Max Uplift1=-210(load case 6), 8=-203(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1737/804, 2-3=-1624/839, 3-4=-1543/955, 4-5=-1213/775, 5-6=-1057/702, 6-7=-1405/778, 7-8=-1726/810
BOT CHORD 1-15=-577/1303, 14-15=-40/33, 13-14=0/0, 12-14=0/111, 3-12=-153/184, 11-12=-337/1103, 10-11=-390/1213, 9-10=-534/1290, 8-9=-534/1290
WEBS 2-15=-174/119, 12-15=-551/1293, 2-12=-114/187, 4-12=-347/533, 4-11=-193/306, 5-11=-178/203, 5-10=-388/211, 6-10=-245/478, 7-10=-312/280, 7-9=0/194

JOINT STRESS INDEX
1 = 0.87, 2 = 0.44, 3 = 0.43, 4 = 0.49, 5 = 0.43, 6 = 0.58, 7 = 0.44, 8 = 0.73, 9 = 0.47, 10 = 0.59, 11 = 0.43, 12 = 0.27, 14 = 0.64 and 15 = 0.59

NOTES (7)
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 and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 210 lb uplift at joint 1 and 203 lb uplift at joint 8.
7) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	T07	HIP	1	1	L273732029
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jul 23 15:30:35 2008 Page 1

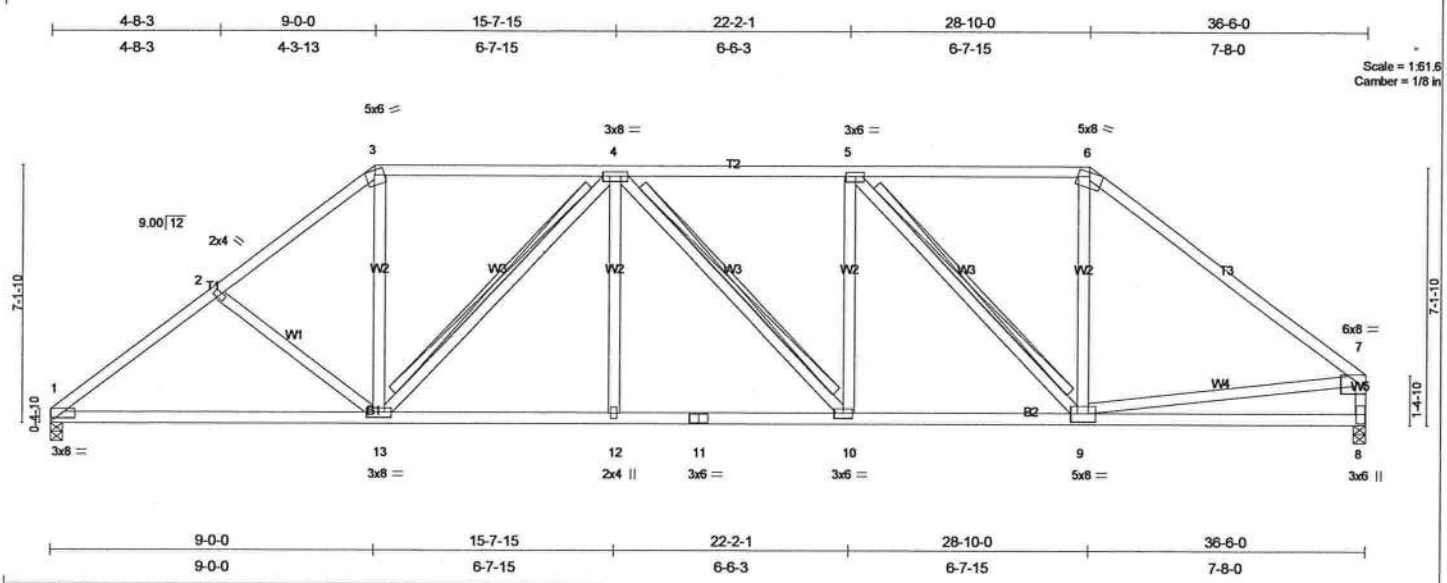


Plate Offsets (X,Y): [1:0-8-3,0-1-6], [7:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.83	Vert(LL)	-0.14	1-13	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.53	Vert(TL)	-0.29	1-13	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.36	Horz(TL)	0.07	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 215 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-7-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-9-2 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-13, 4-10, 5-9
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c. ,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 1=1158/0-4-0, 8=1158/0-4-0
Max Horz 1=188(load case 5)
Max Uplift1=-287(load case 5), 8=-287(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1692/848, 2-3=-1518/819, 3-4=-1175/727, 4-5=-1490/890, 5-6=-1061/681, 6-7=-1439/715, 7-8=-1113/585
BOT CHORD 1-13=-634/1289, 12-13=-669/1532, 11-12=-669/1532, 10-11=-669/1532, 9-10=-643/1490, 8-9=-226/273
WEBS 2-13=-161/199, 3-13=-276/565, 4-13=-588/278, 4-12=0/177, 4-10=-96/66, 5-10=-10/222, 5-9=-695/307, 6-9=-139/447, 7-9=-333/820

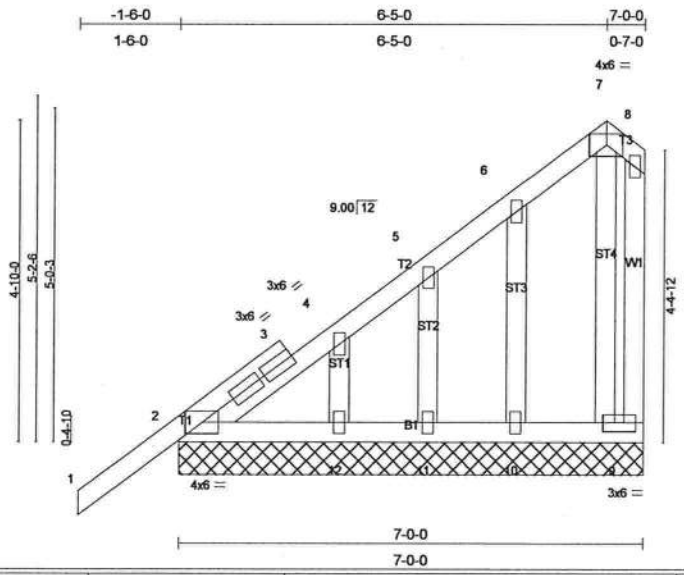
JOINT STRESS INDEX
1 = 0.73, 2 = 0.34, 3 = 0.55, 4 = 0.57, 5 = 0.38, 6 = 0.73, 7 = 0.71, 8 = 0.47, 9 = 0.37, 10 = 0.38, 11 = 0.55, 12 = 0.34 and 13 = 0.57

NOTES (7)
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 and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 287 lb uplift at joint 1 and 287 lb uplift at joint 8.
7) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	T05G	GABLE	1	1	L273732027
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jul 23 15:30:33 2008 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	0.19	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	7.0		Lumber Increase	1.25	BC	0.02	Vert(TL)	-0.01	1	n/r	90		
BCLL	10.0	*	Rep Stress Incr	NO	WB	0.03	Horz(TL)	-0.00	9	n/a	n/a		
BCDL	5.0		Code FBC2004/TPI2002		(Matrix)							Weight: 51 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, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=211/7-0-0, 9=71/7-0-0, 10=106/7-0-0, 11=95/7-0-0, 12=118/7-0-0
Max Horz 2=266(load case 6)
Max Uplift2=-82(load case 6), 9=-44(load case 6), 10=-78(load case 6), 11=-100(load case 6), 12=-41(load case 7)
Max Grav 2=211(load case 10), 9=71(load case 1), 10=106(load case 1), 11=95(load case 10), 12=118(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/56, 2-3=-179/30, 3-4=-175/39, 4-5=-135/24, 5-6=-70/22, 6-7=-32/19, 7-8=-8/9, 8-9=-14/6
BOT CHORD 2-12=-3/3, 11-12=-3/3, 10-11=-3/3, 9-10=-3/3
WEBS 7-9=-51/48, 6-10=-91/99, 5-11=-83/107, 4-12=-102/64

JOINT STRESS INDEX
2 = 0.69, 3 = 0.00, 3 = 0.16, 3 = 0.16, 4 = 0.05, 5 = 0.05, 6 = 0.05, 7 = 0.03, 8 = 0.03, 9 = 0.04, 10 = 0.06, 11 = 0.06 and 12 = 0.04

NOTES (11)
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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 1-4-0 oc.
8) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 82 lb uplift at joint 2, 44 lb uplift at joint 9, 78 lb uplift at joint 10, 100 lb uplift at joint 11 and 41 lb uplift at joint 12.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-64(F=-10), 7-8=-64(F=-10), 2-9=-10

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	T05	COMMON	3	1	L273732025
					Job Reference (optional)

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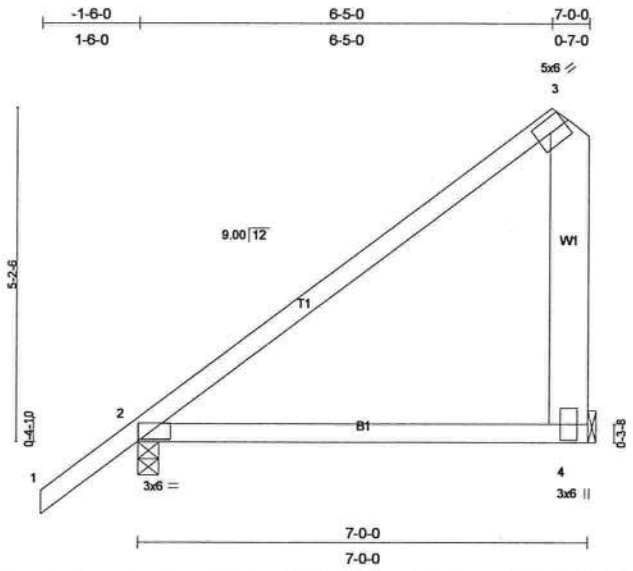

Plate Offsets (X,Y): [2:0-6-3,0-0-6], [3:Edge,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	-0.03	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.19	Vert(TL)	-0.06	2-4	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 40 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 8 SYP No.1D

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) 2=310/0-4-0, 4=191/Mechanical
Max Horz 2=214(load case 6)
Max Uplift2=-80(load case 6), 4=-103(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-175/37, 3-4=-140/189
BOT CHORD 2-4=-57/60

JOINT STRESS INDEX
2 = 0.57, 3 = 0.59 and 4 = 0.40

NOTES (5)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 80 lb uplift at joint 2 and 103 lb uplift at joint 4.
5) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	T03	HIP	2	1	L273732023
					Job Reference (optional)

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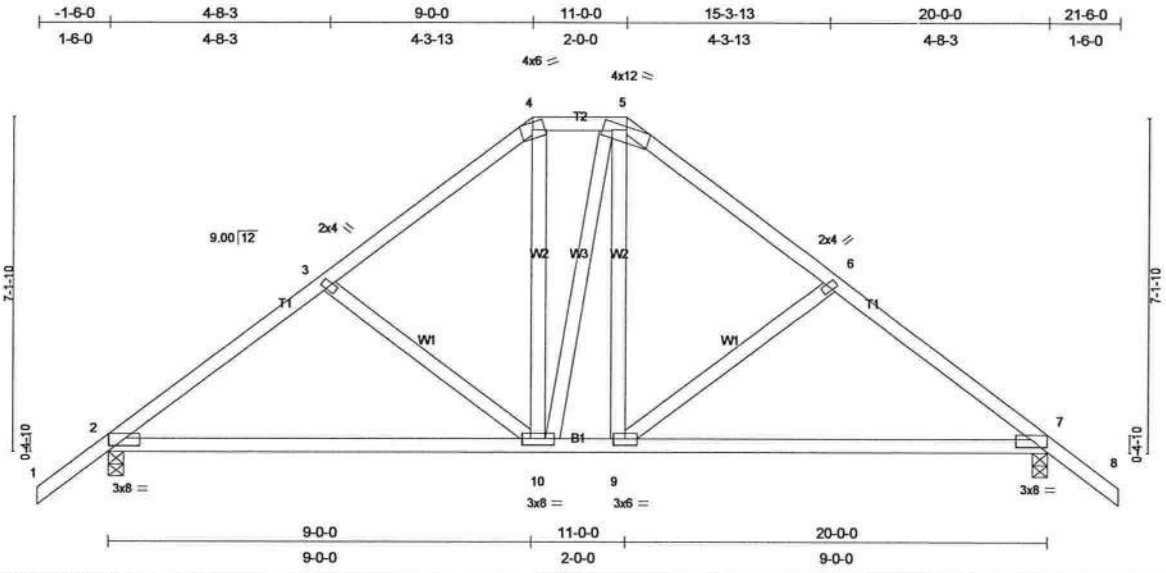

Plate Offsets (X,Y): [2:0-8-3,0-1-6], [7:0-8-3,0-1-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	Vert(LL)	-0.13	7-9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.24	7-9	>987	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.12	Horz(TL)	0.02	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 118 lb	

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

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

REACTIONS (lb/size) 2=719/0-4-0, 7=719/0-4-0
Max Horz 2=188(load case 5)
Max Uplift2=-199(load case 6), 7=-199(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-843/384, 3-4=-644/352, 4-5=-456/345, 5-6=-643/352, 6-7=-842/384, 7-8=0/49
BOT CHORD 2-10=-157/610, 9-10=-26/453, 7-9=-141/610
WEBS 3-10=-201/208, 4-10=-88/208, 5-10=-123/123, 5-9=-91/213, 6-9=-203/210

JOINT STRESS INDEX
2 = 0.71, 3 = 0.34, 4 = 0.31, 5 = 0.60, 6 = 0.34, 7 = 0.72, 9 = 0.35 and 10 = 0.60

NOTES (7)
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 and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 199 lb uplift at joint 2 and 199 lb uplift at joint 7.
7) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	T01A	HIP	1	1	L273732021
					Job Reference (optional)

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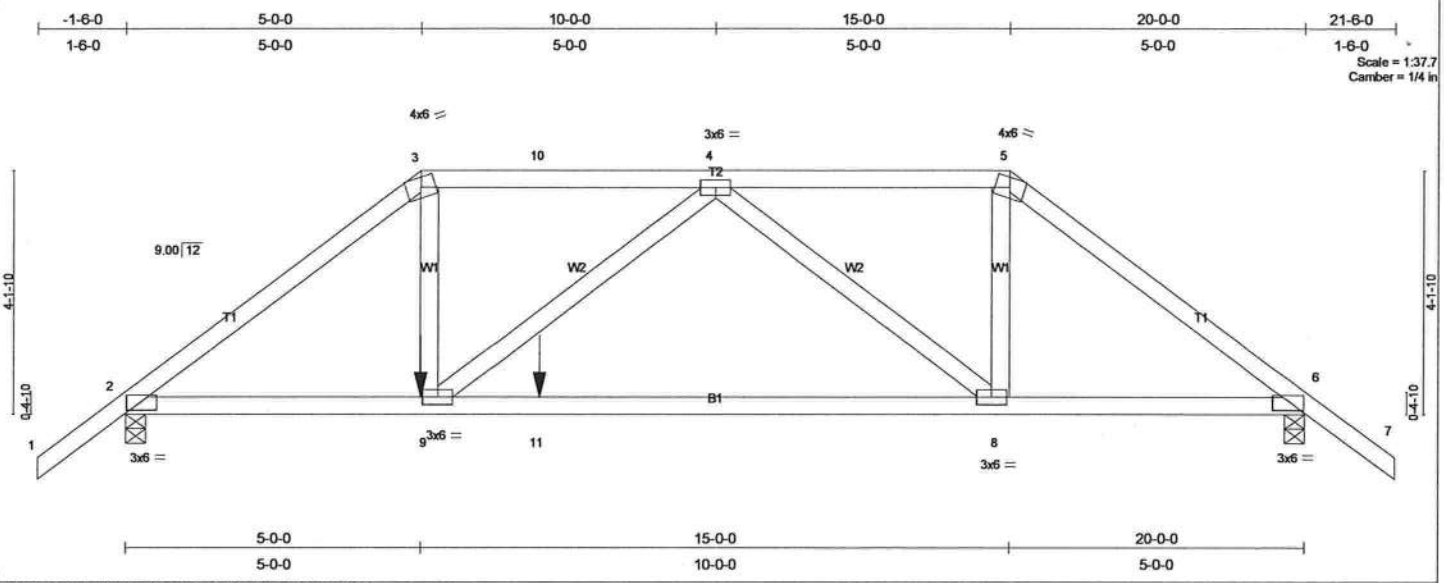

Plate Offsets (X,Y): [2:0-6-3,0-0-10], [6:0-6-3,0-0-10]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.22	Vert(LL)	-0.23	8-9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.85	Vert(TL)	-0.49	8-9	>482	240		
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: 98 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 4-11-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-3-0 oc bracing.

REACTIONS (lb/size) 2=1081/0-4-0, 6=879/0-4-0
Max Horz 2=105(load case 4)
Max Uplift2=-364(load case 4), 6=-252(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-1529/551, 3-10=-1156/481, 4-10=-1155/481, 4-5=-860/318, 5-6=-1159/348, 6-7=0/49
BOT CHORD 2-9=-458/1133, 9-11=-449/1186, 8-11=-449/1186, 6-8=-209/844
WEBS 3-9=-210/604, 4-9=-93/91, 4-8=-470/299, 5-8=-143/434

JOINT STRESS INDEX
2 = 0.73, 3 = 0.43, 4 = 0.35, 5 = 0.43, 6 = 0.73, 8 = 0.39 and 9 = 0.39

NOTES (10)
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; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 364 lb uplift at joint 2 and 252 lb uplift at joint 6.
7) Girder carries hip end with 13-0-0 right side setback, 5-0-0 left side setback, and 5-0-0 end setback.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 187 lb down and 130 lb up at 5-0-0, and 250 lb down and 91 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-10=-90(F=-36), 5-10=-54, 5-7=-54, 2-9=-10, 9-11=-17(F=-7), 6-11=-10
Concentrated Loads (lb)
Vert: 9=-187(F) 11=-250(F)

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	PB1A	HIP PIGGYBACK	2	1	L273732019 Job Reference (optional)

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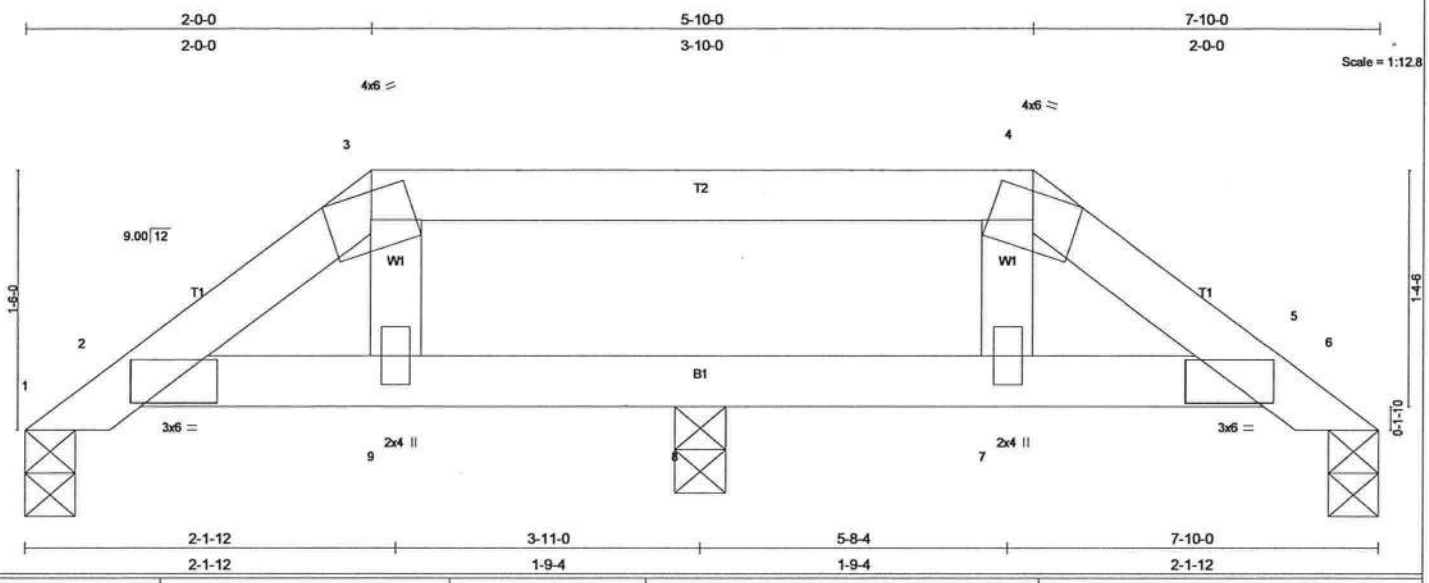

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.15	Vert(LL)	-0.01	9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	-0.01	9	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.02	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 25 lb	

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

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

REACTIONS (lb/size) 1=176/0-3-8, 6=176/0-3-8, 8=133/0-3-8
Max Horz 1=-39(load case 4)
Max Uplift1=-44(load case 5), 6=-50(load case 4), 8=-24(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-97/78, 2-3=-250/207, 3-4=-213/216, 4-5=-250/207, 5-6=-97/78
BOT CHORD 2-9=-155/220, 8-9=-145/213, 7-8=-145/213, 5-7=-155/220
WEBS 3-9=-54/68, 4-7=-54/68

JOINT STRESS INDEX
2 = 0.21, 3 = 0.28, 4 = 0.28, 5 = 0.21, 7 = 0.04 and 9 = 0.04

NOTES (9)
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 and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Bearing at joint(s) 1, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 44 lb uplift at joint 1, 50 lb uplift at joint 6 and 24 lb uplift at joint 8.
8) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	HJ9A	SPECIAL	1	1	L273732017
					Job Reference (optional)

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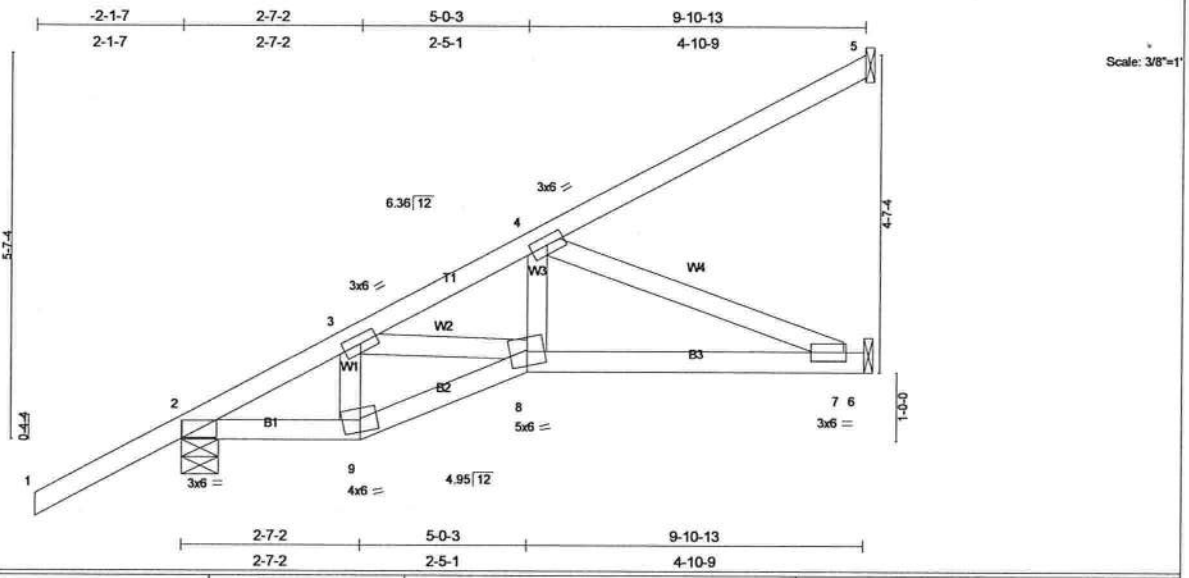

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.42	Vert(LL)	-0.02	7-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.27	Vert(TL)	-0.06	7-8	>999	240		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.28	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 50 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 9-2-5 oc bracing.

REACTIONS (lb/size) 5=224/Mechanical, 2=409/0-6-7, 6=271/Mechanical
Max Horz 2=387(load case 5)
Max Uplift5=-245(load case 5), 2=-158(load case 5), 6=-152(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/53, 2-3=-352/0, 3-4=-688/174, 4-5=-150/76
BOT CHORD 2-9=-162/268, 8-9=-164/286, 7-8=-469/604, 6-7=0/0
WEBS 3-9=-157/117, 3-8=-321/369, 4-8=0/255, 4-7=-651/505

JOINT STRESS INDEX
2 = 0.57, 3 = 0.18, 4 = 0.22, 7 = 0.18, 8 = 0.48 and 9 = 0.20

NOTES (6)
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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 245 lb uplift at joint 5, 158 lb uplift at joint 2 and 152 lb uplift at joint 6.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
6) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-4(F=25, B=25)-to-5=-134(F=-40, B=-40), 2=0(F=5, B=5)-to-9=-6(F=2, B=2), 9=-6(F=2, B=2)-to-8=-12(F=-1, B=-1), 8=-12(F=-1, B=-1)-to-6=-25(F=-7, B=-7)

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	HJ7	MONO TRUSS	3	1	L273732015
					Job Reference (optional)

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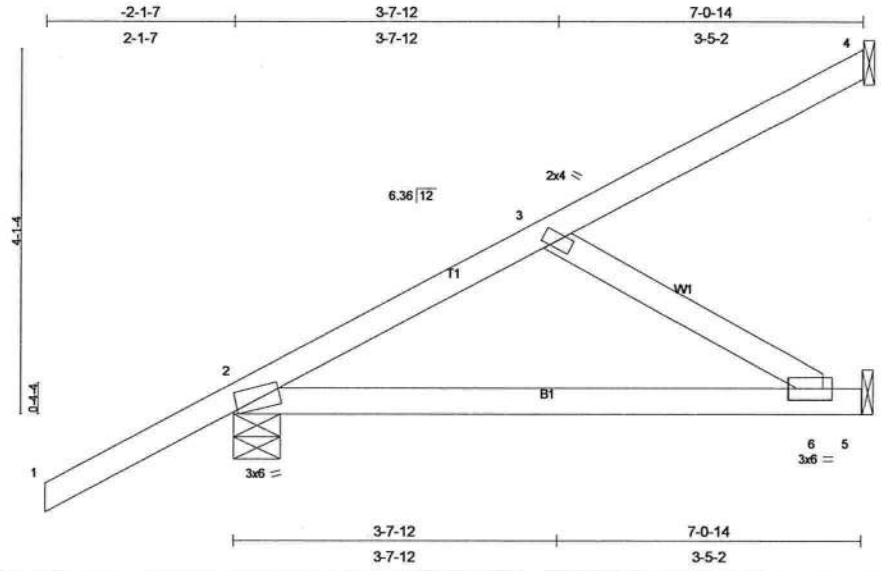

Plate Offsets (X,Y): [2:0-0-10,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.33	Vert(LL)	-0.07	2-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.27	Vert(TL)	-0.11	2-6	>714	240		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.05	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 31 lb	

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

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

REACTIONS (lb/size) 4=125/Mechanical, 2=287/0-6-6, 5=110/Mechanical
Max Horz 2=220(load case 5)
Max Uplift4=-135(load case 5), 2=-157(load case 5), 5=-33(load case 5)
Max Grav 4=125(load case 1), 2=287(load case 1), 5=129(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/53, 2-3=-188/0, 3-4=-81/43
BOT CHORD 2-6=-116/147, 5-6=0/0
WEBS 3-6=-172/136

JOINT STRESS INDEX
2 = 0.87, 3 = 0.08 and 6 = 0.05

NOTES (6)
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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 135 lb uplift at joint 4, 157 lb uplift at joint 2 and 33 lb uplift at joint 5.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
6) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-4(F=25, B=25)-to-4=-95(F=-21, B=-21), 2=0(F=5, B=5)-to-5=-18(F=-4, B=-4)

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	HJ2	JACK	2	1	L273732013
					Job Reference (optional)

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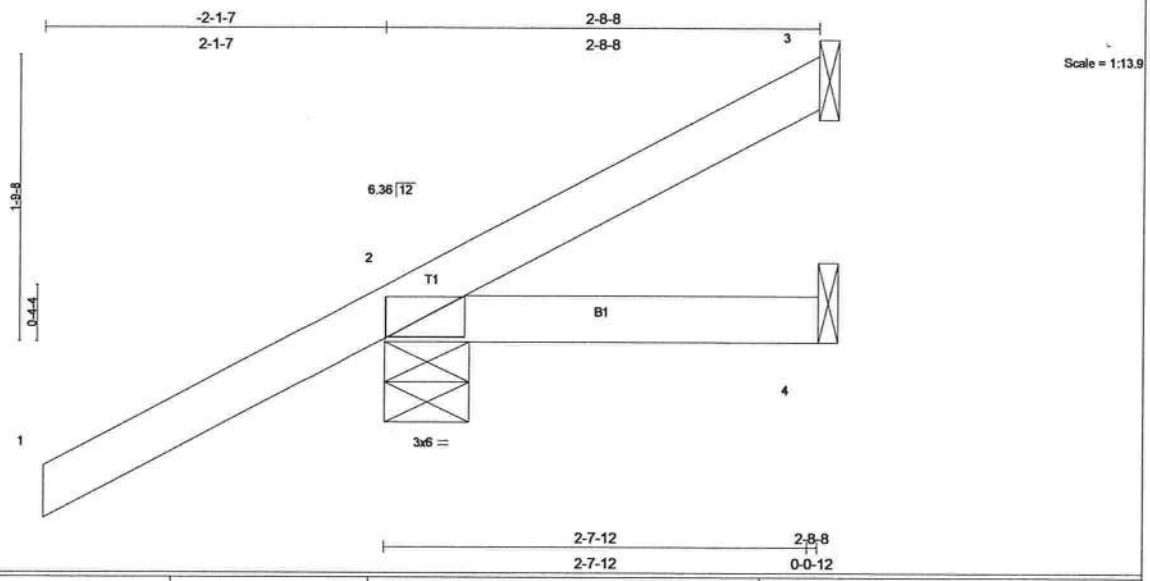

LOADING (psf)			SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0		Plates Increase	1.25	TC	0.33	Vert(LL)	-0.00	2-4	>999	360	MT20	244/190
TCDL	7.0		Lumber Increase	1.25	BC	0.04	Vert(TL)	-0.00	2-4	>999	240		
BCLL	10.0	*	Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0		Code FBC2004/TPI2002		(Matrix)							Weight: 12 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 2-8-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=-28/Mechanical, 2=218/0-6-7, 4=7/Mechanical
Max Horz 2=90(load case 5)
Max Uplift3=-28(load case 1), 2=-211(load case 5)
Max Grav 3=62(load case 3), 2=218(load case 1), 4=30(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/53, 2-3=-45/31
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.10

NOTES (6)
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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 28 lb uplift at joint 3 and 211 lb uplift at joint 2.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
6) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-4(F=25, B=25)-to-3=-45(F=5, B=5), 2=0(F=5, B=5)-to-4=-8(F=1, B=1)

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	EJ7	MONO TRUSS	17	1	L273732011
					Job Reference (optional)

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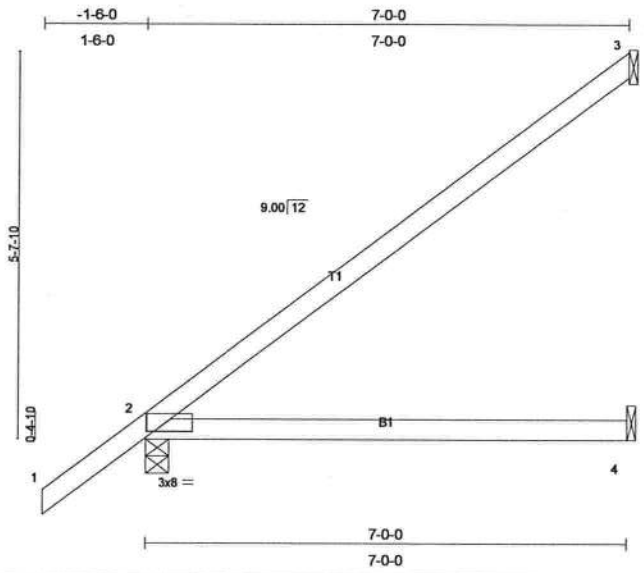

Plate Offsets (X,Y): [2:0-8-3,0-1-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plates Increase	1.25	TC	0.42	Vert(LL)	0.10	2-4	>786	360	MT20	244/190
TCDL 7.0		Lumber Increase	1.25	BC	0.29	Vert(TL)	-0.17	2-4	>474	240		
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: 27 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=156/Mechanical, 2=318/0-4-0, 4=49/Mechanical
Max Horz 2=223(load case 6)
Max Uplift3=-117(load case 6), 2=-77(load case 6)
Max Grav 3=156(load case 1), 2=318(load case 1), 4=95(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-155/73
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.72

NOTES (5)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 117 lb uplift at joint 3 and 77 lb uplift at joint 2.
5) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	EJ5	MONO TRUSS	7	1	L273732009 Job Reference (optional)

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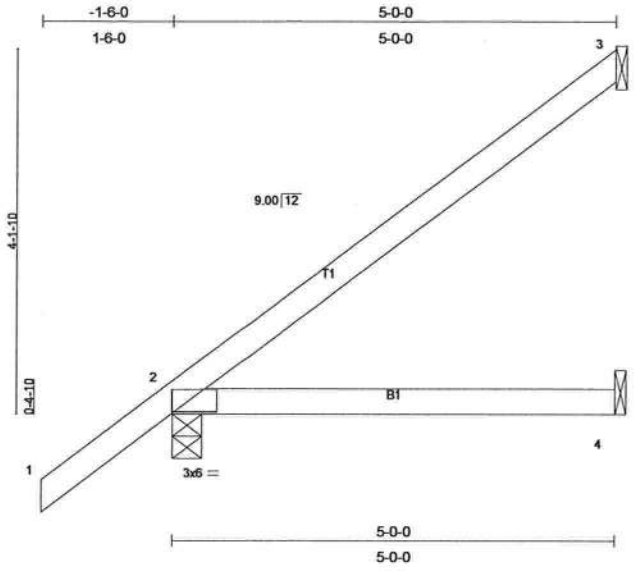

Plate Offsets (X,Y): [2:0-3-13,0-1-8]

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)	-0.03	2-4	>999	360	MT20	244/190
TCDL	7.0		Lumber Increase	1.25	BC	0.16	Vert(TL)	-0.05	2-4	>999	240		
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: 20 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=258/0-4-0, 4=24/Mechanical
Max Horz 2=242(load case 6)
Max Uplift3=-134(load case 6), 2=-125(load case 6)
Max Grav 3=113(load case 1), 2=258(load case 1), 4=72(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-117/54
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.18

NOTES (5)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 134 lb uplift at joint 3 and 125 lb uplift at joint 2.
5) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	EJ1A	MONO TRUSS	5	1	L273732007
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jul 23 15:30:19 2008 Page 1

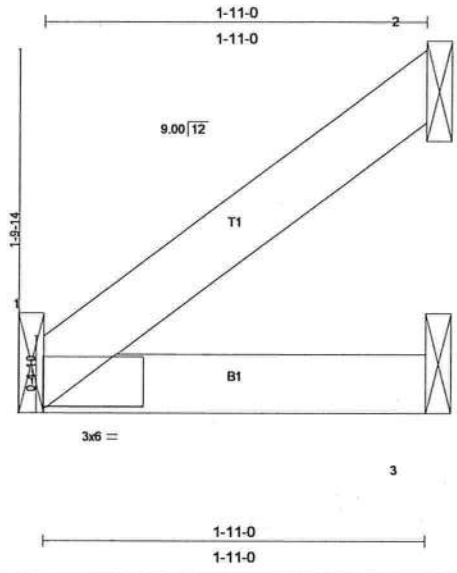

Plate Offsets (X,Y): [1:0-3-13,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.05	Vert(LL)	-0.00	1	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.03	Vert(TL)	-0.00	1-3	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	2	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 7 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-11-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=61/Mechanical, 3=9/Mechanical, 2=51/Mechanical
Max Horz 1=69(load case 6)
Max Uplift1=-3(load case 6), 2=-63(load case 6)
Max Grav 1=61(load case 1), 3=28(load case 2), 2=51(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-52/25
BOT CHORD 1-3=0/0

JOINT STRESS INDEX
1 = 0.04

NOTES (5)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 3 lb uplift at joint 1 and 63 lb uplift at joint 2.
5) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	CJ5A	SPECIAL	2	1	L273732005
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jul 23 15:30:17 2008 Page 1

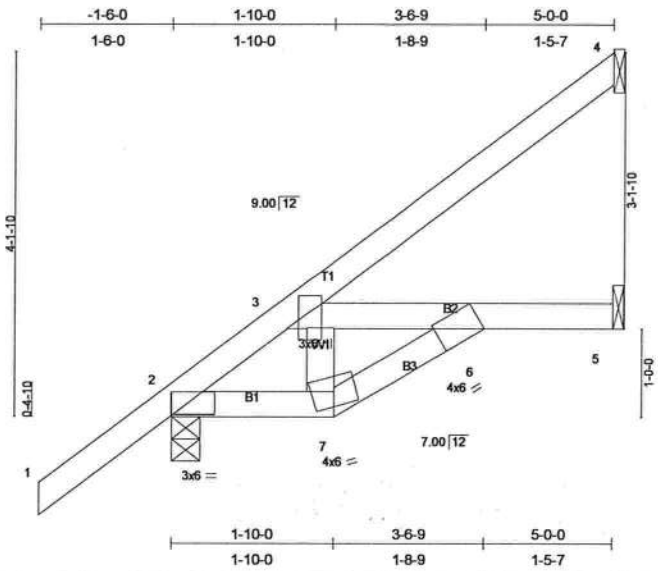

Plate Offsets (X,Y): [2:0-3-13,0-1-8], [3:0-1-8,0-1-9]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.19	Vert(LL)	-0.02	3-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.24	Vert(TL)	-0.04	3-6	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.02	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 25 lb	

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

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

REACTIONS (lb/size) 4=88/Mechanical, 2=270/0-4-0, 5=59/Mechanical
Max Horz 2=242(load case 6)
Max Uplift4=-100(load case 6), 2=-118(load case 6), 5=-14(load case 6)
Max Grav 4=88(load case 1), 2=270(load case 1), 5=102(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-207/0, 3-4=-86/41
BOT CHORD 2-7=-120/122, 6-7=-101/118, 3-6=-98/85, 5-6=0/0
WEBS 3-7=-47/69

JOINT STRESS INDEX
2 = 0.18, 3 = 0.11, 6 = 0.02 and 7 = 0.04

NOTES (5)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint 4, 118 lb uplift at joint 2 and 14 lb uplift at joint 5.
5) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	CJ3A	SPECIAL	2	1	L273732003
					Job Reference (optional)

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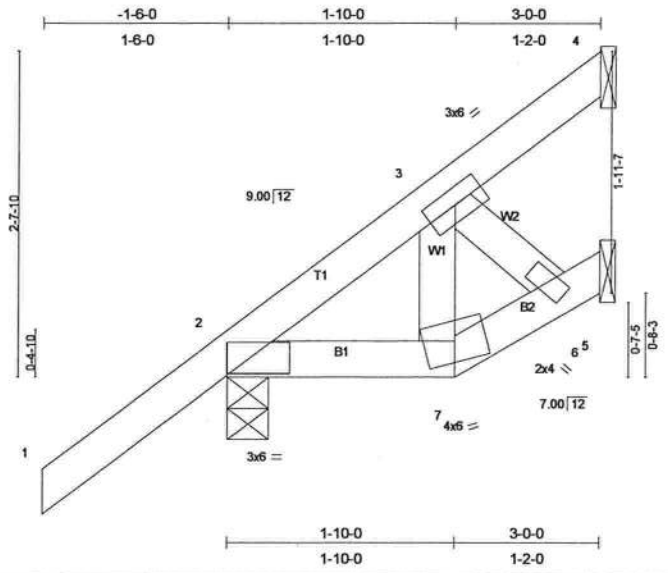

Plate Offsets (X,Y): [2:0-3-13,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.19	Vert(LL)	-0.00	2	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.02	Vert(TL)	-0.00	2	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.01	Horz(TL)	-0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 17 lb	

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

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

REACTIONS (lb/size) 4=41/Mechanical, 2=206/0-4-0, 5=21/Mechanical
Max Horz 2=173(load case 6)
Max Uplift4=-51(load case 6), 2=-136(load case 6), 5=-14(load case 7)
Max Grav 4=41(load case 1), 2=206(load case 1), 5=42(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-80/0, 3-4=-41/20
BOT CHORD 2-7=-18/30, 6-7=-18/31, 5-6=-8/21
WEBS 3-7=-0/35, 3-6=-38/21

JOINT STRESS INDEX
2 = 0.15, 3 = 0.03, 6 = 0.01 and 7 = 0.02

NOTES (5)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 51 lb uplift at joint 4, 136 lb uplift at joint 2 and 14 lb uplift at joint 5.
5) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	CJ1	JACK	16	1	L273732001
					Job Reference (optional)

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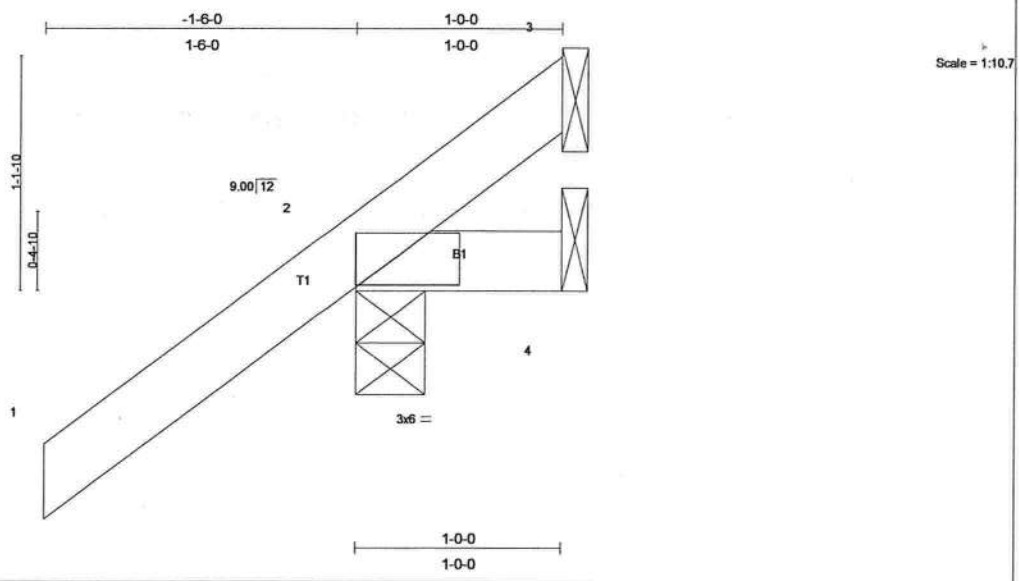

Plate Offsets (X,Y): [2:0-3-13,0-1-8]

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)	-0.00	2	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>999	240		
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=180/0-4-0, 4=5/Mechanical, 3=-41/Mechanical
Max Horz 2=106(load case 6)
Max Uplift2=-206(load case 6), 4=-11(load case 4), 3=-41(load case 1)
Max Grav 2=180(load case 1), 4=14(load case 2), 3=74(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-59/56
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.14

NOTES (5)
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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 206 lb uplift at joint 2, 11 lb uplift at joint 4 and 41 lb uplift at joint 3.
5) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	T12	HIP	2	1	L273732034
					Job Reference (optional)

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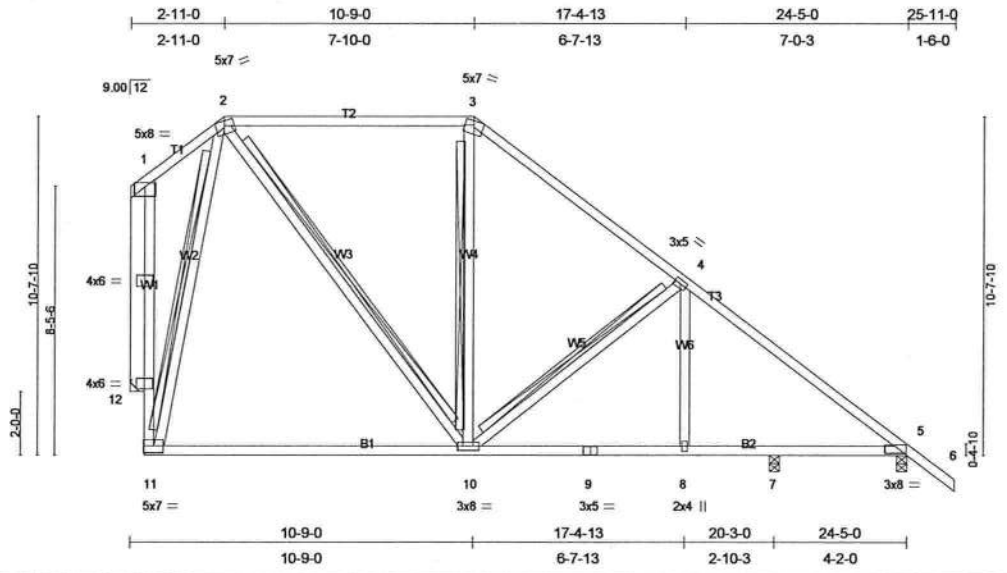

Plate Offsets (X,Y): [5:0-8-3,0-0-14]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.71	Vert(LL)	-0.19	10-11	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.52	Vert(TL)	-0.34	10-11	>700	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.45	Horz(TL)	0.05	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 178 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 *Except*
W3 2 X 4 SYP No.2
OTHERS 2 X 6 SYP No.1D

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 2-3.
BOT CHORD Rigid ceiling directly applied or 8-9-8 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 2-10, 3-10, 4-10, 2-11
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c. ,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 5=753/0-4-0, 7=116/0-4-0, 12=742/Mechanical
Max Horz 7=-348(load case 7)
Max Uplift5=-249(load case 7), 7=-96(load case 4), 12=-234(load case 7)
Max Grav 5=753(load case 1), 7=140(load case 2), 12=742(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-46/88, 2-3=-430/339, 3-4=-642/309, 4-5=-940/301, 5-6=0/49, 11-12=-415/761, 1-12=-63/77
BOT CHORD 10-11=-94/166, 9-10=-480/653, 8-9=-480/653, 7-8=-480/653, 5-7=-41/653
WEBS 2-10=-275/450, 3-10=-86/114, 4-10=-282/281, 4-8=-1/98, 2-11=-731/455

JOINT STRESS INDEX
1 = 0.16, 2 = 0.68, 3 = 0.73, 4 = 0.52, 5 = 0.76, 8 = 0.34, 9 = 0.30, 10 = 0.58, 11 = 0.63, 12 = 0.00, 12 = 0.31 and 12 = 0.31

NOTES (8-9)
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 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) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 249 lb uplift at joint 5, 96 lb uplift at joint 7 and 234 lb uplift at joint 12.
7) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
8) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
9) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	T14	SPECIAL	1	1	L273732036 Job Reference (optional)

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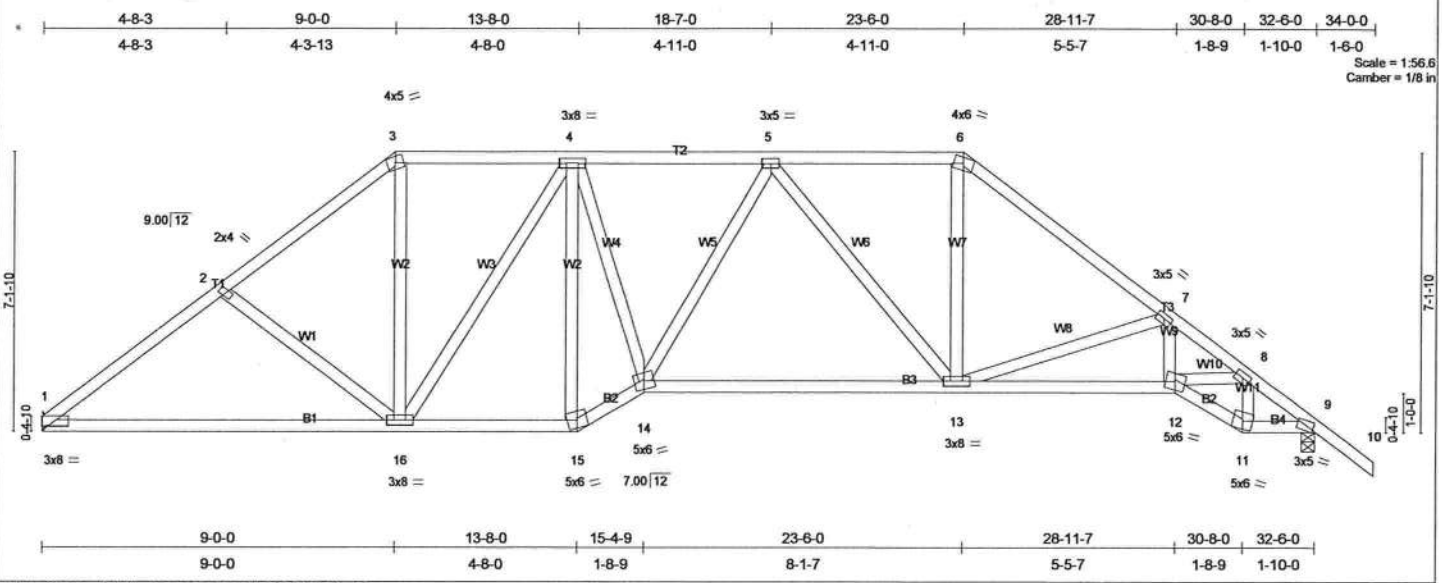

Plate Offsets (X,Y): [1:0-8-3,0-1-6], [9:0-0-13,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.28	Vert(LL)	-0.15	1-16	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.49	Vert(TL)	-0.29	1-16	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.56	Horz(TL)	0.12	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 199 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 4-1-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-10-10 oc bracing.

REACTIONS (lb/size) 1=1028/Mechanical, 9=1122/0-4-0
Max Horz 1=-210(load case 4)
Max Uplift1=-221(load case 5), 9=-249(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1488/740, 2-3=-1306/706, 3-4=-995/631, 4-5=-1404/789, 5-6=-1166/674, 6-7=-1520/738, 7-8=-2252/982, 8-9=-1449/622, 9-10=0/49
BOT CHORD 1-16=-430/1135, 15-16=-368/1190, 14-15=-410/1368, 13-14=-433/1392, 12-13=-645/1765, 11-12=-357/1137, 9-11=-333/1045
WEBS 2-16=-191/217, 3-16=-251/502, 4-16=-434/227, 4-15=-668/196, 4-14=-188/750, 5-14=-29/103, 5-13=-440/243, 6-13=-231/566, 7-13=-647/364, 7-12=-96/451, 8-12=-348/830, 8-11=-567/220

JOINT STRESS INDEX
1 = 0.73, 2 = 0.34, 3 = 0.54, 4 = 0.94, 5 = 0.45, 6 = 0.56, 7 = 0.52, 8 = 0.52, 9 = 0.77, 11 = 0.30, 12 = 0.56, 13 = 0.57, 14 = 0.77, 15 = 0.34 and 16 = 0.59

NOTES (7-8)
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 and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 221 lb uplift at joint 1 and 249 lb uplift at joint 9.
7) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
8) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	T16	HIP	1	1	L273732038
					Job Reference (optional)

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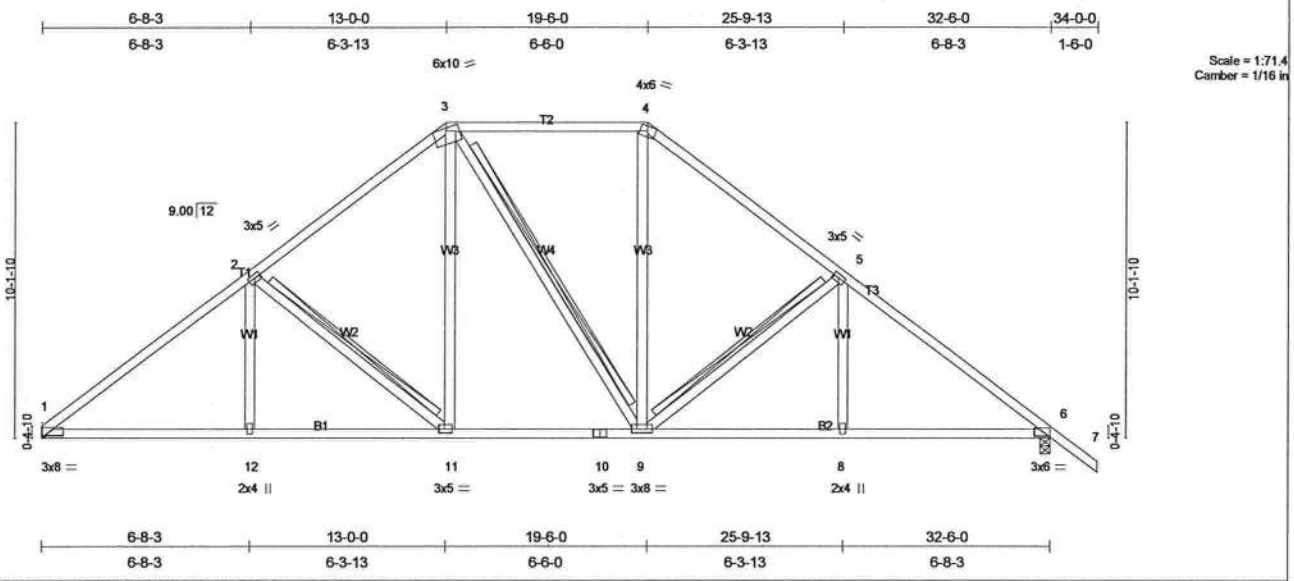


Plate Offsets (X,Y): [1:0-8-3,0-0-14], [6:0-6-3,0-0-10]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.33	Vert(LL)	0.08	1-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.37	Vert(TL)	-0.13	1-12	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.27	Horz(TL)	0.06	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 193 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 4-9-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-11-5 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 2-11, 3-9, 5-9
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c. ,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 1=1028/Mechanical, 6=1122/0-4-0
Max Horz 1=-293(load case 4)
Max Uplift1=-198(load case 6), 6=-271(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1499/690, 2-3=-1136/650, 3-4=-827/605, 4-5=-1133/646, 5-6=-1484/670, 6-7=0/49
BOT CHORD 1-12=-359/1107, 11-12=-359/1107, 10-11=-182/827, 9-10=-182/827, 8-9=-337/1091, 6-8=-337/1091
WEBS 2-12=0/215, 2-11=-361/323, 3-11=-155/339, 3-9=-148/150, 4-9=-147/338, 5-9=-342/297, 5-8=0/211

JOINT STRESS INDEX
1 = 0.74, 2 = 0.52, 3 = 0.80, 4 = 0.68, 5 = 0.52, 6 = 0.69, 8 = 0.34, 9 = 0.59, 10 = 0.28, 11 = 0.40 and 12 = 0.34

NOTES (7-8)
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 and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 198 lb uplift at joint 1 and 271 lb uplift at joint 6.
7) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
8) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	T18	SPECIAL	1	1	L273732040
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jul 23 15:30:47 2008 Page 1

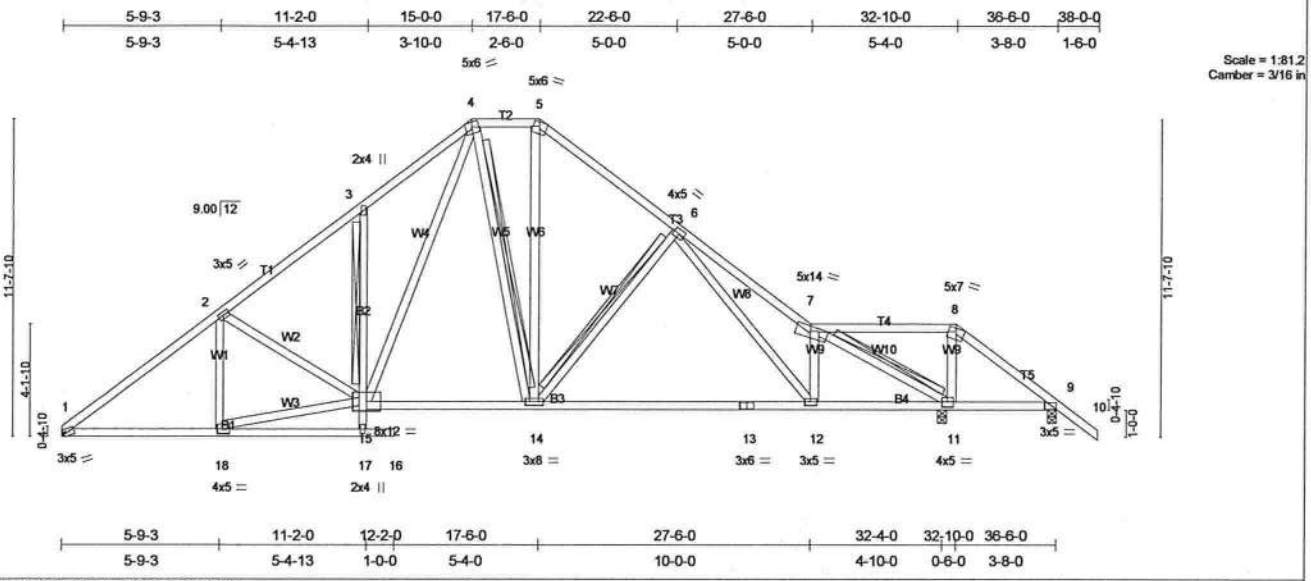


Plate Offsets (X,Y): [1:0-0-13,Edge], [9:0-2-13,0-1-8]

LOADING (psf)		SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0		Plates Increase 1.25	TC 0.43	Vert(LL) -0.23 12-14 >999 360	MT20 244/190
TCDL 7.0		Lumber Increase 1.25	BC 0.54	Vert(TL) -0.43 12-14 >902 240	
BCLL 10.0	*	Rep Stress Incr YES	WB 0.97	Horz(TL) 0.06 11 n/a n/a	
BCDL 5.0		Code FBC2004/TPI2002	(Matrix)		Weight: 244 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 5-1-4 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 4-5, 7-8.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 9-11.
T-Brace: 2 X 4 SYP No.3 - 3-15
WEBS T-Brace: 2 X 4 SYP No.3 - 4-14, 6-14, 7-11
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c. ,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 1=961/Mechanical, 11=2014/0-4-0, 9=-558/0-4-0
Max Horz 1=-308(load case 4)
Max Uplift1=-187(load case 6), 11=-449(load case 7), 9=-558(load case 1)
Max Grav 1=961(load case 1), 11=2014(load case 1), 9=76(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1408/626, 2-3=-1240/627, 3-4=-1221/812, 4-5=-694/531, 5-6=-949/574, 6-7=-1090/594, 7-8=-415/964, 8-9=-591/1245, 9-10=0/49
BOT CHORD 1-18=-366/1044, 17-18=-16/68, 16-17=0/0, 15-17=0/111, 3-15=-251/277, 14-15=-123/699, 13-14=-174/828, 12-13=-174/828, 11-12=-192/817, 9-11=-912/582
WEBS 2-18=-115/80, 15-18=-356/994, 2-15=-175/220, 4-15=-451/611, 4-14=-163/175, 5-14=-186/316, 6-14=-244/265, 7-12=0/213, 7-11=-2028/913, 8-11=-1002/534, 6-12=-107/68

JOINT STRESS INDEX
1 = 0.79, 2 = 0.52, 3 = 0.34, 4 = 0.32, 5 = 0.42, 6 = 0.34, 7 = 0.60, 8 = 0.68, 9 = 0.57, 11 = 0.60, 12 = 0.41, 13 = 0.35, 14 = 0.61, 15 = 0.28, 17 = 0.63 and 18 = 0.51

NOTES (8-9)
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 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) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 187 lb uplift at joint 1, 449 lb uplift at joint 11 and 558 lb uplift at joint 9.
7) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
8) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
9) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	T20	SPECIAL	1	1	L273732042
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jul 23 15:30:49 2008 Page 1

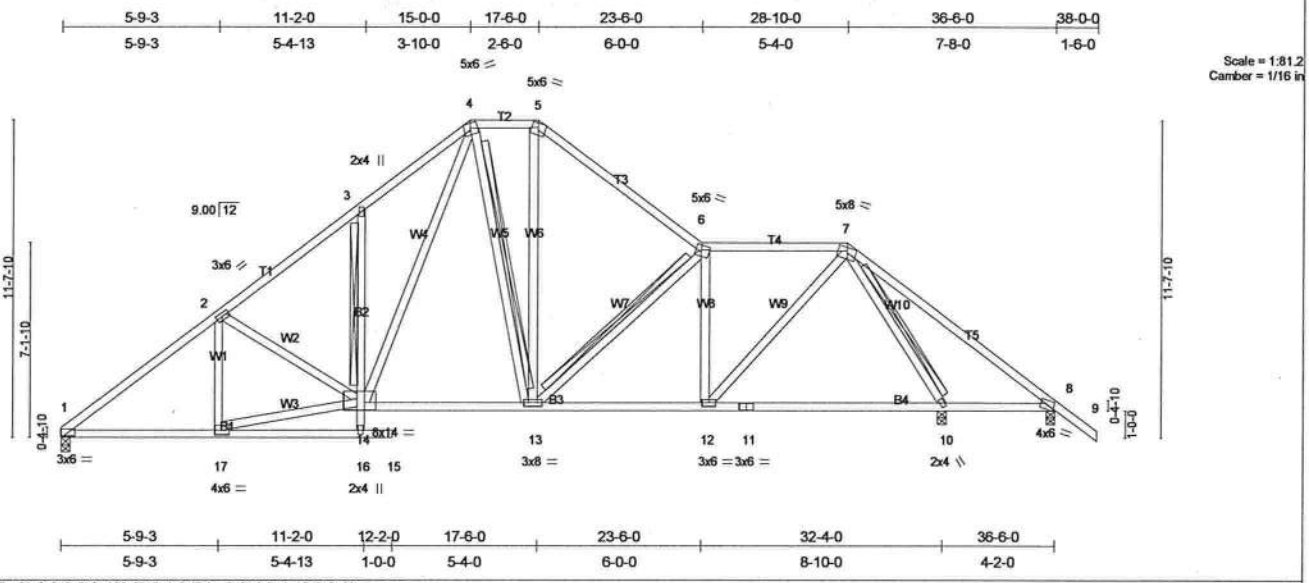


Plate Offsets (X,Y): [1:0-6-3,0-0-10], [8:0-1-2,Edge], [14:0-4-12,0-3-2]

LOADING (psf)		SPACING 2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase 1.25	TC 0.43	Vert(LL)	-0.11	10-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase 1.25	BC 0.42	Vert(TL)	-0.21	10-12	>999	240		
BCLL	10.0 *	Rep Stress Incr YES	WB 0.97	Horz(TL)	0.06	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002	(Matrix)						Weight: 246 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 4-11-5 oc purlins, except 2-0-0 oc purlins (5-6-10 max.): 4-5, 6-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
9-5-12 oc bracing: 1-17
6-0-0 oc bracing: 8-10.
T-Brace: 2 X 4 SYP No.3 - 3-14
WEBS T-Brace: 2 X 4 SYP No.3 - 4-13, 6-13, 7-10
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c. ,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 1=1020/0-4-0, 10=1320/0-4-0, 8=75/0-4-0
Max Horz 1=-308(load case 4)
Max Uplift1=-199(load case 6), 10=-260(load case 7), 8=-180(load case 7)
Max Grav 1=1020(load case 1), 10=1320(load case 1), 8=139(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1502/685, 2-3=-1352/692, 3-4=-1336/880, 4-5=-794/601, 5-6=-1081/636, 6-7=-1084/641, 7-8=-95/407, 8-9=0/49
BOT CHORD 1-17=-411/1117, 16-17=-31/56, 15-16=0/0, 14-16=0/111, 3-14=-256/281, 13-14=-165/782, 12-13=-325/1099, 11-12=-87/508, 10-11=-87/508, 8-10=-224/258
WEBS 2-17=-132/86, 14-17=-387/1080, 2-14=-163/211, 4-14=-450/633, 4-13=-189/210, 5-13=-162/331, 6-13=-437/340, 6-12=-582/321, 7-12=-346/867, 7-10=-1393/658

JOINT STRESS INDEX
1 = 0.72, 2 = 0.44, 3 = 0.34, 4 = 0.36, 5 = 0.70, 6 = 0.55, 7 = 0.65, 8 = 0.73, 10 = 0.66, 11 = 0.19, 12 = 0.58, 13 = 0.61, 14 = 0.18, 16 = 0.62 and 17 = 0.49

NOTES (8)
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 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) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 199 lb uplift at joint 1, 260 lb uplift at joint 10 and 180 lb uplift at joint 8.
7) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
8) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	T22	SPECIAL	1	1	L273732044
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jul 23 15:30:52 2008 Page 1

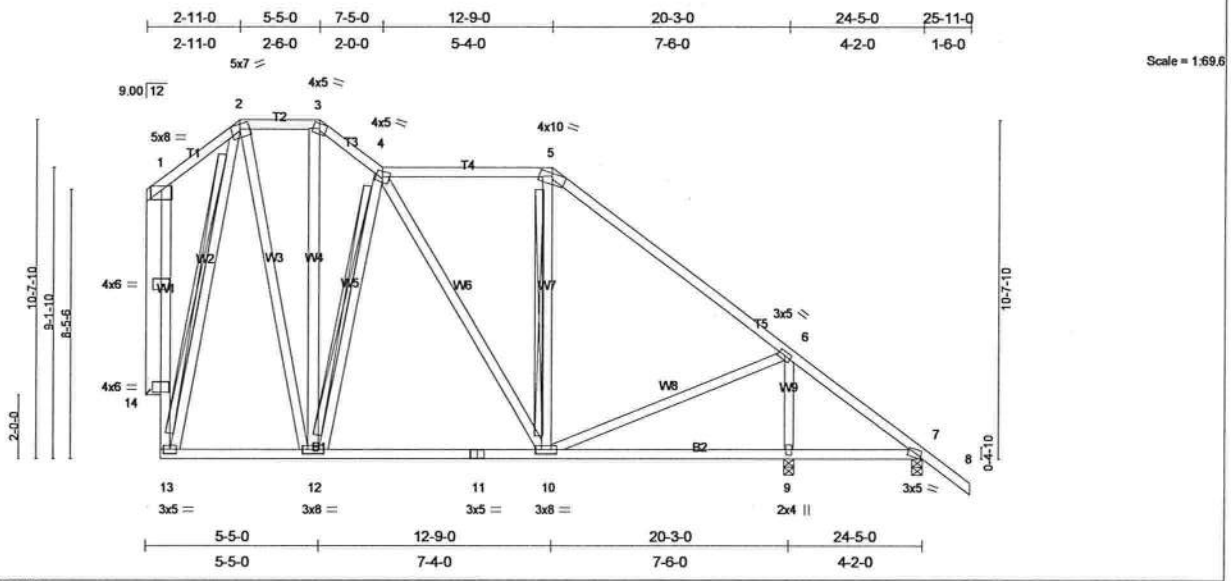


Plate Offsets (X,Y): [7:0-1-1,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.46	Vert(LL)	-0.05	9-10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.24	Vert(TL)	-0.09	9-10	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.47	Horz(TL)	0.01	14	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 212 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 6 SYP No.1D

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 2-3, 4-5.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-12, 5-10, 2-13
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c. ,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 9=784/0-4-0, 7=198/0-4-0, 14=629/Mechanical
Max Horz 9=-348(load case 7)
Max Uplift9=-299(load case 7), 7=-80(load case 5), 14=-197(load case 7)
Max Grav 9=784(load case 1), 7=199(load case 11), 14=629(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-55/67, 2-3=-217/202, 3-4=-310/212, 4-5=-352/265, 5-6=-562/199, 6-7=-186/59, 7-8=0/49, 13-14=-274/546, 1-14=-83/84
BOT CHORD 12-13=-67/124, 11-12=-194/313, 10-11=-194/313, 9-10=-189/46, 7-9=-8/251
WEBS 2-12=-241/431, 3-12=-66/78, 4-12=-413/317, 4-10=-107/82, 5-10=-125/170, 6-10=-68/354, 6-9=-728/479, 2-13=-538/289

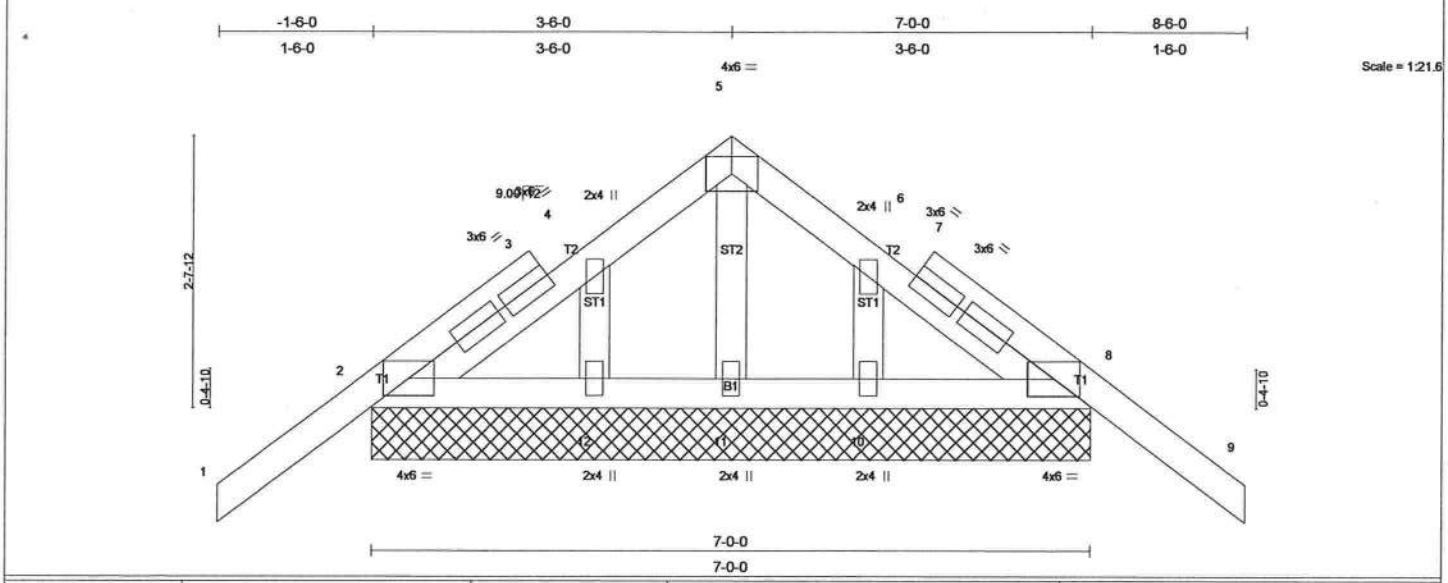
JOINT STRESS INDEX
1 = 0.16, 2 = 0.32, 3 = 0.31, 4 = 0.55, 5 = 0.97, 6 = 0.52, 7 = 0.76, 9 = 0.34, 10 = 0.60, 11 = 0.18, 12 = 0.61, 13 = 0.48, 14 = 0.00, 14 = 0.26 and 14 = 0.26

NOTES (8-9)
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 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) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 299 lb uplift at joint 9, 80 lb uplift at joint 7 and 197 lb uplift at joint 14.
7) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
8) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
9) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	T23G	GABLE	1	1	L273732046
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jul 23 15:30:53 2008 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	0.16	Vert(LL)	-0.01	9	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.03	Vert(TL)	-0.01	9	n/r	90		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.02	Horz(TL)	0.00	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 40 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 10-0-0 oc bracing.

REACTIONS (lb/size) 2=181/7-0-0, 8=181/7-0-0, 11=72/7-0-0, 12=88/7-0-0, 10=88/7-0-0
Max Horz 2=-86(load case 4)
Max Uplift2=-158(load case 6), 8=-173(load case 7), 11=-1(load case 5), 12=-36(load case 7), 10=-38(load case 4)
Max Grav 2=181(load case 1), 8=181(load case 1), 11=72(load case 1), 12=90(load case 10), 10=90(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-52/56, 3-4=-38/67, 4-5=-35/90, 5-6=-35/90, 6-7=-6/46, 7-8=-52/39, 8-9=0/47
BOT CHORD 2-12=-3/91, 11-12=-3/91, 10-11=-3/91, 8-10=-3/91
WEBS 5-11=-58/3, 4-12=-77/60, 6-10=-77/60

JOINT STRESS INDEX
2 = 0.69, 3 = 0.00, 3 = 0.16, 3 = 0.16, 4 = 0.04, 5 = 0.06, 6 = 0.04, 7 = 0.00, 7 = 0.16, 7 = 0.16, 8 = 0.69, 10 = 0.03, 11 = 0.02 and 12 = 0.03

NOTES (9)
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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 1-4-0 oc.
7) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 158 lb uplift at joint 2, 173 lb uplift at joint 8, 1 lb uplift at joint 11, 36 lb uplift at joint 12 and 38 lb uplift at joint 10.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	T25	COMMON	1	1	L273732048
					Job Reference (optional)

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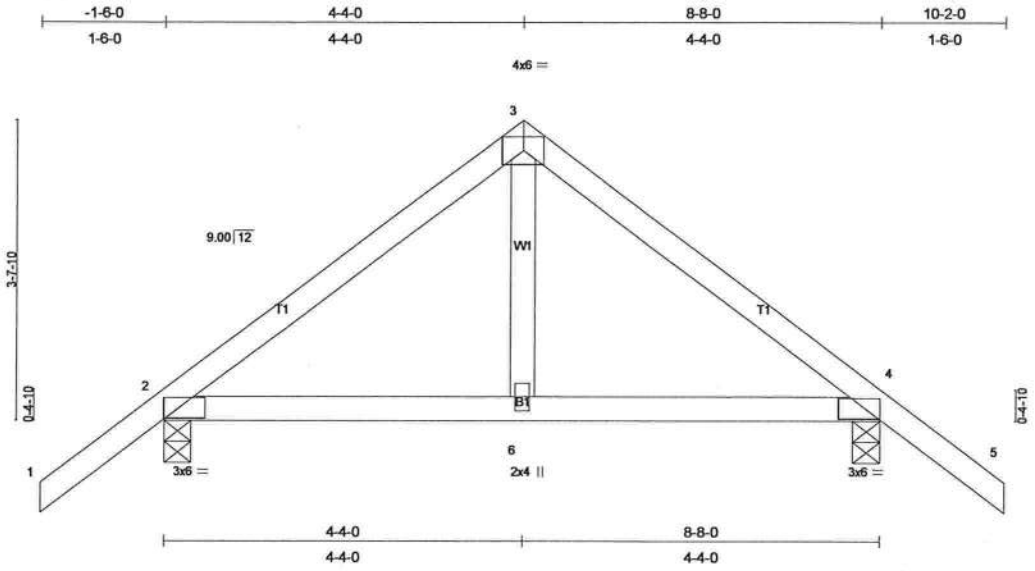

Plate Offsets (X,Y): [2:0-3-13,0-1-8], [4:0-3-13,0-1-8]

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	4-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	-0.01	4-6	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 40 lb	

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

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

REACTIONS (lb/size) 2=357/0-4-0, 4=357/0-4-0
Max Horz 2=90(load case 5)
Max Uplift2=-237(load case 6), 4=-237(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-291/351, 3-4=-291/351, 4-5=0/49
BOT CHORD 2-6=-116/174, 4-6=-116/174
WEBS 3-6=-248/140

JOINT STRESS INDEX
2 = 0.59, 3 = 0.37, 4 = 0.59 and 6 = 0.10

NOTES (6)
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 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.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 237 lb uplift at joint 2 and 237 lb uplift at joint 4.
6) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	T26	SPECIAL	1	1	L273732050
					Job Reference (optional)

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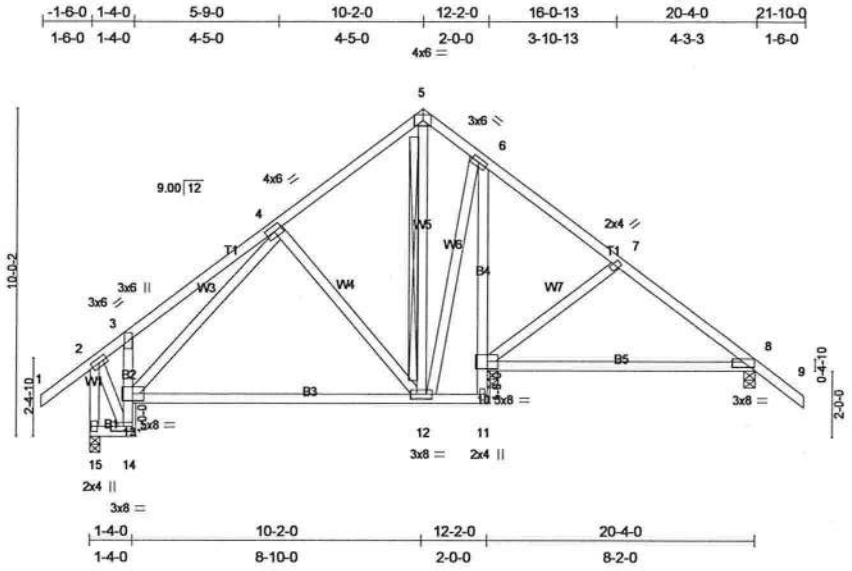


Plate Offsets (X,Y): [8:0-8-3,0-1-6]

LOADING (psf)		SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0		Plates Increase 1.25	TC 0.20	Vert(LL) 0.20 8-10 >483 360	MT20 244/190
TCDL 7.0		Lumber Increase 1.25	BC 0.63	Vert(TL) -0.19 12-13 >741 240	
BCLL 10.0	*	Rep Stress Incr YES	WB 0.20	Horz(TL) 0.03 10 n/a n/a	
BCDL 5.0		Code FBC2004/TPI2002	(Matrix)		Weight: 145 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 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except:
10-0-0 oc bracing: 12-13.
WEBS T-Brace: 2 X 4 SYP No.3 - 5-12
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c. ,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 15=462/0-4-0, 10=656/0-4-0, 8=341/0-4-0
Max Horz 15=262(load case 5)
Max Uplift15=-108(load case 6), 10=-296(load case 6), 8=-256(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/53, 2-3=-196/174, 3-4=-323/270, 4-5=-161/157, 5-6=-107/179, 6-7=-65/117, 7-8=-248/131, 8-9=0/49, 2-15=-506/255
BOT CHORD 14-15=-222/231, 13-14=-175/82, 3-13=-134/111, 12-13=-108/240, 11-12=-102/244, 10-11=-61/3, 6-10=-510/224, 8-10=-17/148
WEBS 5-12=-117/92, 7-10=-192/255, 2-14=-26/254, 4-12=-212/258, 4-13=-246/198, 6-12=-180/392

JOINT STRESS INDEX
2 = 0.61, 3 = 0.36, 4 = 0.29, 5 = 0.29, 6 = 0.55, 7 = 0.34, 8 = 0.77, 10 = 0.77, 11 = 0.34, 12 = 0.61, 13 = 0.59, 14 = 0.67 and 15 = 0.34

NOTES (6)
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 and C-C Exterior(2) zone; end vertical left exposed; 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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 108 lb uplift at joint 15, 296 lb uplift at joint 10 and 256 lb uplift at joint 8.
6) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	T27	SPECIAL	2	1	L273732052
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jul 23 15:30:59 2008 Page 1

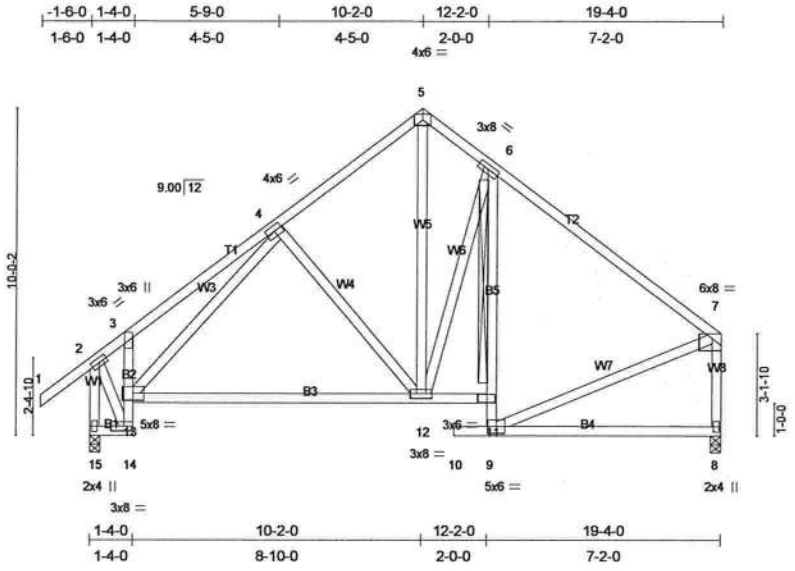


Plate Offsets (X,Y): [7:0-3-8,Edge]

LOADING (psf)		SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0		Plates Increase 1.25	TC 0.65	Vert(LL) -0.11 12-13 >999 360	MT20 244/190
TCDL 7.0		Lumber Increase 1.25	BC 0.86	Vert(TL) -0.20 12-13 >999 240	
BCLL 10.0	*	Rep Stress Incr YES	WB 0.48	Horz(TL) 0.09 8 n/a n/a	
BCDL 5.0		Code FBC2004/TPI2002	(Matrix)		Weight: 149 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, B5 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:
T-Brace: 2 X 4 SYP No.3 - 6-11
JOINTS 1 Brace at Jt(s): 11

REACTIONS (lb/size) 15=707/0-4-0, 8=612/0-4-0
Max Horz 15=331(load case 5)
Max Uplift15=-181(load case 6), 8=-112(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/53, 2-3=-327/246, 3-4=-474/353, 4-5=-518/353, 5-6=-497/411, 6-7=-575/310, 2-15=-775/403, 7-8=-592/294
BOT CHORD 14-15=-291/256, 13-14=-320/84, 3-13=-129/105, 12-13=-236/457, 11-12=-81/371, 9-11=-69/54, 6-11=-201/74, 9-10=0/0, 8-9=-11/71
WEBS 4-13=-233/194, 4-12=-179/235, 5-12=-364/397, 6-12=-142/230, 2-14=-110/442, 7-9=-80/328

JOINT STRESS INDEX
2 = 0.58, 3 = 0.47, 4 = 0.29, 5 = 0.29, 6 = 0.49, 7 = 0.51, 8 = 0.82, 9 = 0.60, 11 = 0.86, 12 = 0.68, 13 = 0.56, 14 = 0.75 and 15 = 0.35

NOTES (6)
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 and C-C Exterior(2) zone; end vertical 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.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 181 lb uplift at joint 15 and 112 lb uplift at joint 8.
6) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	T29	COMMON	1	2	L273732054
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jul 23 15:31:01 2008 Page 1

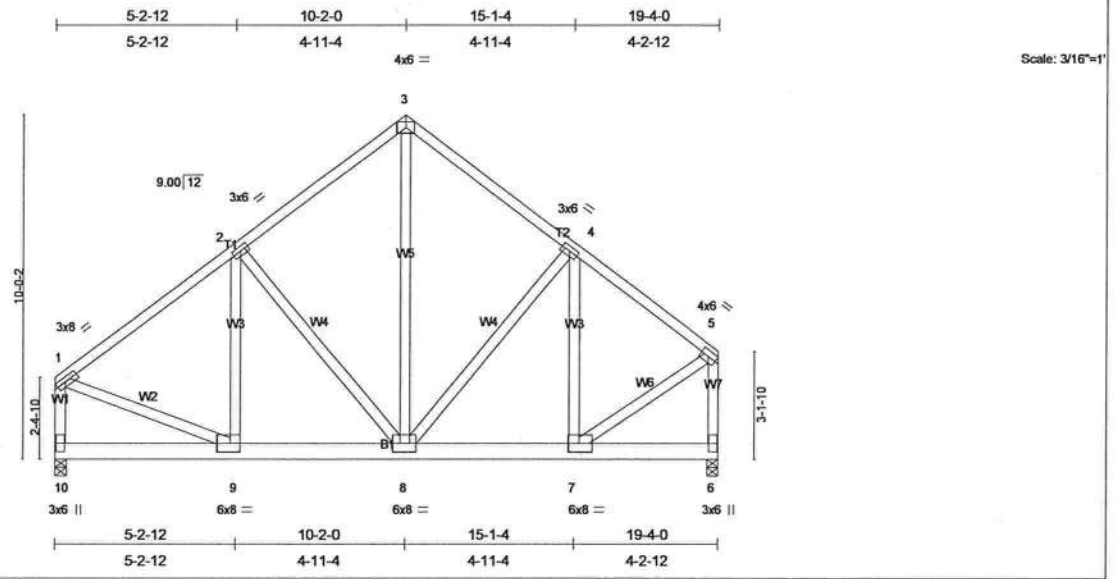


Plate Offsets (X,Y): [7:0-3-8,0-3-0], [9:0-3-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.76	Vert(LL)	-0.04	8-9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.33	Vert(TL)	-0.09	8-9	>999	240		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.45	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 309 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.1D
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 10-0-0 oc bracing.

REACTIONS (lb/size) 10=3973/0-4-0, 6=3973/0-4-0
Max Horz 10=304(load case 4)
Max Uplift10=-1108(load case 5), 6=-1106(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-3403/976, 2-3=-2639/833, 3-4=-2638/834, 4-5=-2912/853, 1-10=-3120/876, 5-6=-3331/936
BOT CHORD 9-10=-359/261, 8-9=-864/2646, 7-8=-614/2271, 6-7=-45/101
WEBS 2-9=-305/983, 2-8=-954/383, 3-8=-878/2779, 4-8=-386/236, 4-7=-137/306, 1-9=-682/2578, 5-7=-706/2641

JOINT STRESS INDEX
1 = 0.70, 2 = 0.44, 3 = 0.78, 4 = 0.44, 5 = 0.60, 6 = 0.36, 7 = 0.26, 8 = 0.35, 9 = 0.26 and 10 = 0.62

NOTES (9)
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 6 - 2 rows 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; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
5) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1108 lb uplift at joint 10 and 1106 lb uplift at joint 6.
8) Girder carries tie-in span(s): 24-5-0 from 0-0-0 to 19-4-0
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-5=-54, 6-10=-363(F=-353)

STEPDOWN CORNER SET

TOP CHORD 2X4 SO. PINE #2 or Better
BOT CHORD 2X4 SO. PINE #2 or Better
WEBS 2X4 SO. PINE #3 or Better

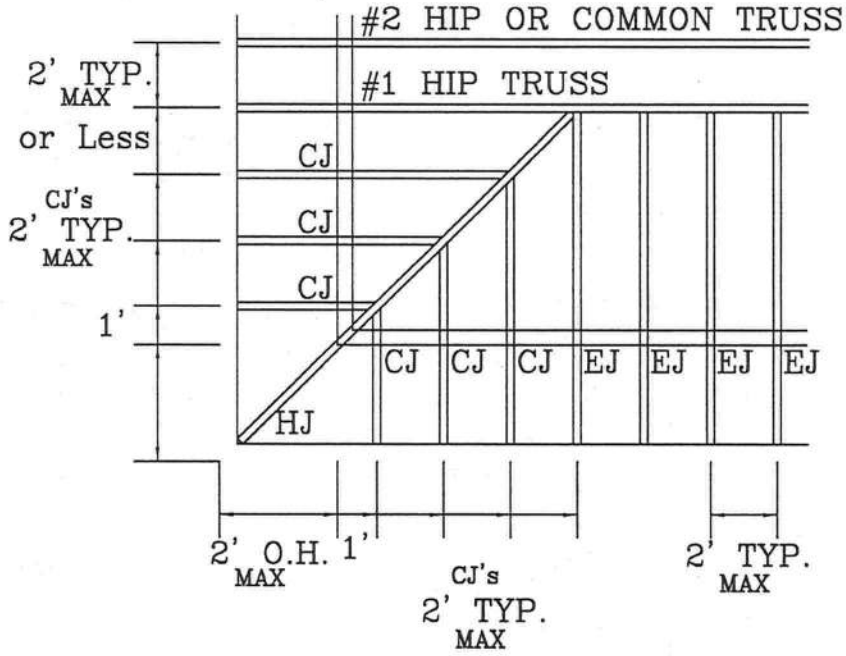
120 MPH MAX

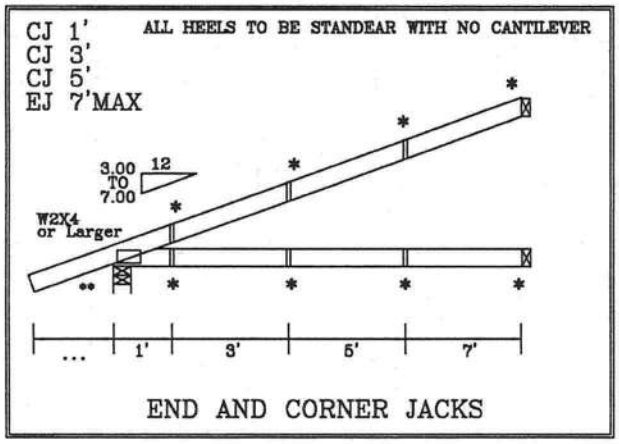
Setback 7' or Less

PROVIDE UPLIFT CONNECTIONS AT BEARINGS AS INDICATED.
UPLIFT: 400# or Less
BRG LOC: *
UPLIFT BASED ON 7.2 PSF TOTAL DEAD LOAD. WIND SPEED=120 "C" MPH. MEAN HGT=28 FT. ENCLOSED. (ASCE 7-02)

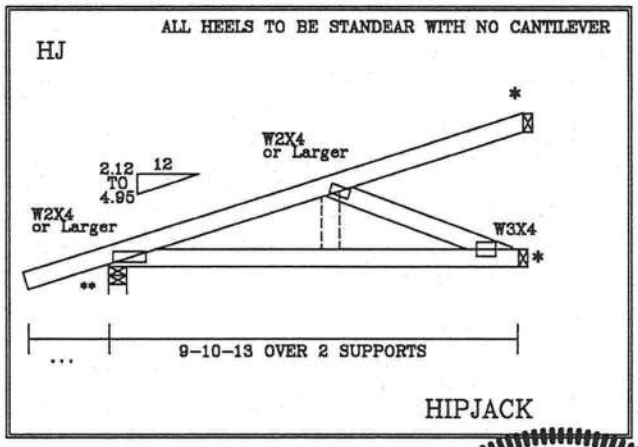
PROVIDE UPLIFT CONNECTIONS AT BEARINGS AS INDICATED. TILE
UPLIFT: 400# or Less
BRG LOC: *
UPLIFT BASED ON 15.0 PSF TOTAL DEAD LOAD. WIND SPEED=120 "C" MPH. MEAN HGT (of jacks)=28 FT. ENCLOSED. (ASCE 7-02)

PROVIDE UPLIFT CONNECTIONS AT BEARINGS AS INDICATED.
UPLIFT: 400# or Less
BRG LOC: *
UPLIFT BASED ON 7.2 PSF TOTAL DEAD LOAD. WIND SPEED=120 "B" MPH. MEAN HGT (of jacks)=28 FT. ENCLOSED. (ASCE 7-02)





END AND CORNER JACKS



HIPJACK

* (3) 16d TOENAILS

** SEE EOR FOR TIE DOWN

UPLIFT VALUES DO TAKE INTO ACCOUNT PORCHES EXPOSED
BC LIVE LOAD IS NON CONCURRENT 10*

SHINGLE			
TC	LL	20	MAX PSF
TC	DL	7	MAX PSF
BC	LL	10*	MAX PSF
BC	DL	5	MAX PSF
TILE			
TC	LL	20	MAX PSF
TC	DL	20	MAX PSF
BC	LL	10*	MAX PSF
BC	DL	5	MAX PSF
DUR. FAC.		1.25	
SPACING		2'	MAX

CORNER SET SETBACK
7'0" MAX

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI. 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTN A653 GRADE 40/60 (W,K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (D) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

JULIUS LEE CONS. ENGINEERS, P.A.
1485 SW 4th AVENUE
DELRAY BEACH, FL 33444-2181
NO. 34869
STATE OF FLORIDA
STATE OF FLORIDA
PROFESSIONAL ENGINEER

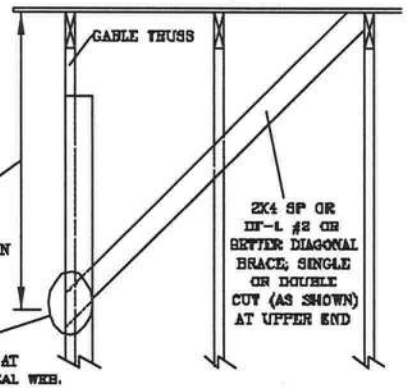
REF	7'MAX STBK CS
DATE	Jun./27/2008
DRWG	
-ENG	

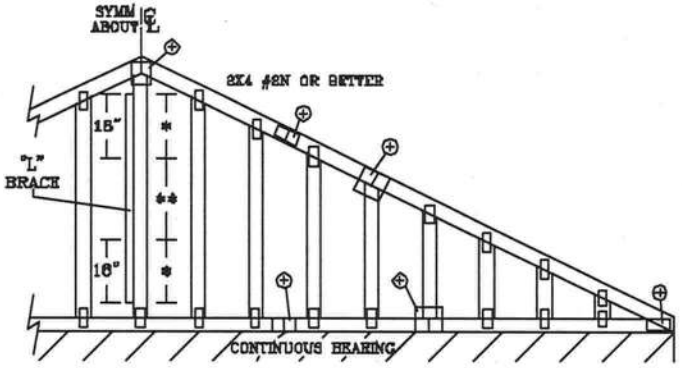
REVIEWED
By julius lee at 10:52 am, Jun 27, 2008

ASCE 7-02: 130 MPH WIND SPEED, 30' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH	2X4 GABLE VERTICAL SPACING	SPECIES	BRACE GRADE	NO BRACES	(1) 1X4 "L" BRACE *		(1) 2X4 "L" BRACE *		(2) 2X4 "L" BRACE **		(1) 2X6 "L" BRACE *		(2) 2X6 "L" BRACE **	
					GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
	24" O.C.	SPF HF	#1 / #2	3' 2"	5' 6"	6' 6"	6' 6"	6' 9"	7' 10"	8' 0"	10' 3"	10' 7"	12' 3"	12' 7"
			#3	3' 1"	4' 5"	4' 5"	6' 10"	5' 10"	7' 10"	7' 10"	9' 1"	9' 1"	12' 3"	12' 3"
			STUD	3' 1"	4' 5"	4' 5"	5' 10"	5' 10"	7' 10"	7' 10"	9' 1"	9' 1"	12' 3"	12' 3"
			STANDARD	2' 11"	3' 9"	3' 9"	6' 0"	5' 0"	6' 9"	6' 9"	7' 10"	7' 10"	10' 7"	10' 7"
		SP DFL	#1	3' 8"	5' 8"	5' 11"	6' 8"	7' 0"	7' 10"	8' 5"	10' 3"	11' 1"	12' 3"	13' 2"
			#2	3' 6"	5' 6"	5' 11"	6' 6"	7' 0"	7' 10"	8' 5"	10' 3"	11' 1"	12' 3"	13' 2"
			#3	3' 3"	4' 6"	4' 6"	6' 0"	6' 0"	7' 10"	8' 1"	9' 4"	9' 4"	12' 3"	12' 8"
			STUD	3' 3"	4' 6"	4' 6"	5' 11"	5' 11"	7' 10"	8' 0"	9' 3"	9' 3"	12' 3"	12' 8"
			STANDARD	3' 0"	3' 10"	3' 10"	5' 1"	5' 1"	6' 11"	6' 11"	8' 0"	8' 0"	10' 10"	10' 10"
	16" O.C.	SPF HF	#1 / #2	3' 8"	6' 4"	6' 6"	7' 6"	7' 8"	8' 11"	9' 2"	11' 9"	12' 1"	14' 0"	14' 0"
			#3	3' 7"	5' 5"	5' 5"	7' 2"	7' 2"	8' 11"	8' 11"	11' 2"	11' 2"	14' 0"	14' 0"
			STUD	3' 7"	5' 5"	5' 5"	7' 2"	7' 2"	8' 11"	8' 11"	11' 1"	11' 1"	14' 0"	14' 0"
			STANDARD	3' 7"	4' 6"	4' 6"	6' 2"	6' 2"	8' 3"	8' 3"	9' 7"	9' 7"	12' 11"	12' 11"
		SP DFL	#1	4' 0"	6' 4"	6' 10"	7' 6"	8' 1"	8' 11"	9' 7"	11' 9"	12' 8"	14' 0"	14' 0"
			#2	3' 11"	6' 4"	6' 10"	7' 6"	8' 1"	8' 11"	9' 7"	11' 9"	12' 8"	14' 0"	14' 0"
			#3	3' 9"	5' 7"	6' 7"	7' 4"	7' 4"	8' 11"	9' 6"	11' 5"	11' 6"	14' 0"	14' 0"
			STUD	3' 8"	5' 6"	5' 6"	7' 3"	7' 3"	8' 11"	9' 5"	11' 4"	11' 4"	14' 0"	14' 0"
			STANDARD	3' 6"	4' 9"	4' 9"	6' 3"	6' 3"	8' 5"	8' 5"	9' 9"	9' 9"	13' 3"	13' 3"
	12" O.C.	SPF HF	#1 / #2	4' 0"	6' 11"	7' 2"	8' 3"	8' 6"	9' 10"	10' 1"	12' 11"	13' 4"	14' 0"	14' 0"
			#3	3' 11"	6' 3"	6' 3"	8' 3"	8' 3"	9' 10"	9' 10"	12' 11"	12' 11"	14' 0"	14' 0"
			STUD	3' 11"	6' 3"	6' 3"	8' 3"	8' 3"	9' 10"	9' 10"	12' 10"	12' 10"	14' 0"	14' 0"
			STANDARD	3' 11"	5' 4"	5' 4"	7' 1"	7' 1"	9' 6"	9' 6"	11' 1"	11' 1"	14' 0"	14' 0"
		SP DFL	#1	4' 5"	6' 11"	7' 8"	8' 3"	8' 11"	9' 10"	10' 7"	12' 11"	13' 11"	14' 0"	14' 0"
			#2	4' 4"	6' 11"	7' 8"	8' 3"	8' 11"	9' 10"	10' 7"	12' 11"	13' 11"	14' 0"	14' 0"
			#3	4' 2"	6' 5"	6' 5"	8' 3"	8' 6"	9' 10"	10' 4"	12' 11"	13' 3"	14' 0"	14' 0"
			STUD	4' 2"	6' 4"	6' 4"	8' 3"	8' 6"	9' 10"	10' 4"	12' 11"	13' 1"	14' 0"	14' 0"
			STANDARD	4' 0"	5' 8"	5' 8"	7' 3"	7' 3"	9' 9"	9' 9"	11' 4"	11' 4"	14' 0"	14' 0"

DIAGONAL BRACE OPTION: VERTICAL LENGTH MAY BE DOUBLED WHEN DIAGONAL BRACE IS USED. CONNECT DIAGONAL BRACE FOR 880# AT EACH END. MAX WEB TOTAL LENGTH IS 14'.





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

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

GROUP B:

HEM-FIR
#1 & BTR
#1

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

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 180 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES

VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 8"	2X4
GREATER THAN 11' 8"	2.5X4

+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.

JULIUS LEE LICENSE NO. 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR, SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

REVIEWED
By julius lee at 12:00 pm, Jun 11, 2008

JULIUS LEE'S CONS. ENGINEERS P.A.
1456 SW 4th AVENUE
DELRAY BEACH, FL. 33444-2161
No: 34869
STATE OF FLORIDA

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF ASCE7-02-GAB13030
DATE 11/26/03
DWG MITEK STD GABLE 30' E MT
-ENG

PIGGYBACK DETAIL

TOP CHORD 2X4 #2 OR BETTER
BOT CHORD 2X4 #2 OR BETTER
WEBS 2X4 #3 OR BETTER

REFER TO SEALED DESIGN FOR DASHED PLATES.

SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

TOP AND BOTTOM CHORD SPLICES MUST BE STAGGERED SO THAT ONE SPLICE IS NOT DIRECTLY OVER ANOTHER.

PIGGYBACK BOTTOM CHORD MAY BE OMITTED. ATTACH VERTICAL WEBS TO TRUSS TOP CHORD WITH 1.5X3 PLATE.

ATTACH PURLINS TO TOP OF FLAT TOP CHORD. IF PIGGYBACK IS SOLID LUMBER OR THE BOTTOM CHORD IS OMITTED, PURLINS MAY BE APPLIED BENEATH THE TOP CHORD OF SUPPORTING TRUSS.

REFER TO ENGINEER'S SEALED DESIGN FOR REQUIRED PURLIN SPACING.

THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

110 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, 1 MI FROM COAST CAT I, EXP C, WIND TC DL=5 PSF, WIND BC DL=5 PSF

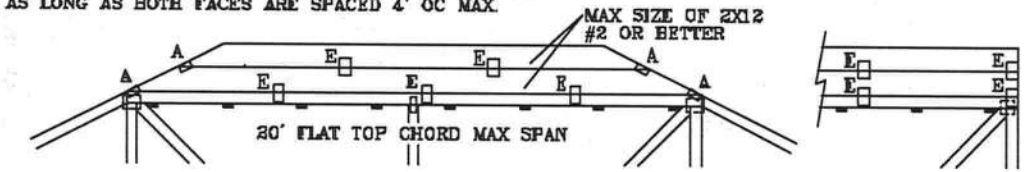
110 MPH WIND, 30' MEAN HGT, FBC ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF WIND TC DL=5 PSF, WIND BC DL=5 PSF

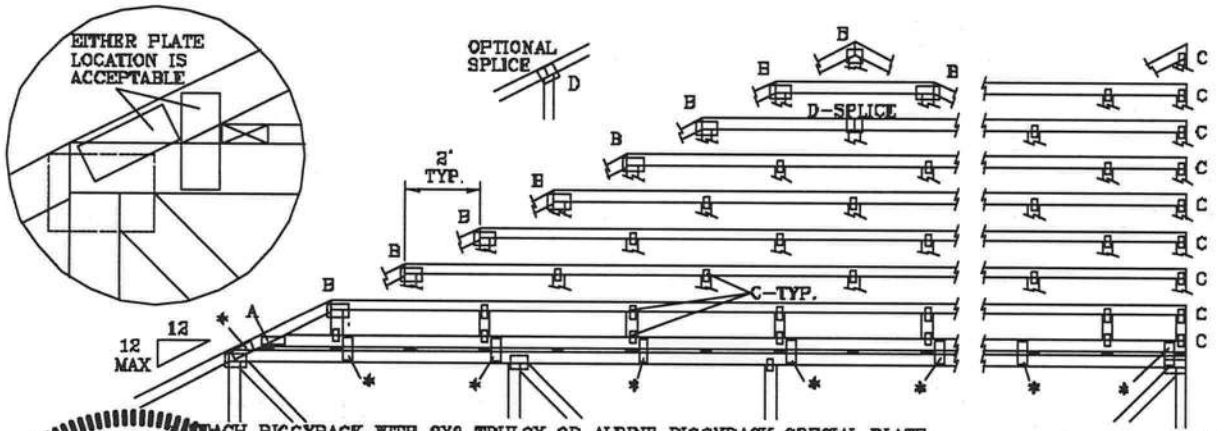
130 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C, WIND TC DL=6 PSF, WIND BC DL=6 PSF

FRONT FACE (E,*) PLATES MAY BE OFFSET FROM BACK FACE PLATES AS LONG AS BOTH FACES ARE SPACED 4' OC MAX.

JOINT TYPE	SPANS UP TO			
	30'	34'	38'	62'
A	2X4	2.5X4	2.5X4	3X6
B	4X6	6X6	6X6	5X6
C	1.5X3	1.5X4	1.5X4	1.5X4
D	5X4	6X5	6X5	5X6
E	4X6 OR 3X6 TRULOX AT 4' OC, ROTATED VERTICALLY			

ATTACH TRULOX PLATES WITH (6) 0.120" X 1.375" NAILS, OR EQUAL, PER FACE PER PLY. (4) NAILS IN EACH MEMBER TO BE CONNECTED. REFER TO DRAWING 160 TL FOR TRULOX INFORMATION.



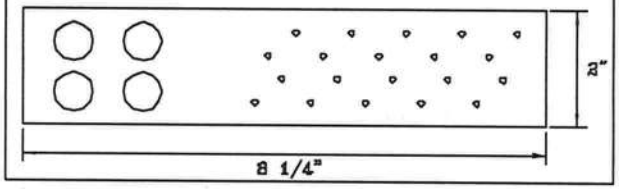


ATTACH PIGGYBACK WITH 3X6 TRULOX OR ALPINE PIGGYBACK SPECIAL PLATE.

WEB BRACING CHART	
WEB LENGTH	REQUIRED BRACING
0' TO 7'9"	NO BRACING
7'9" TO 10'	1x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 8d NAILS AT 4" OC.
10' TO 14'	2x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 16d NAILS AT 4" OC.

* PIGGYBACK SPECIAL PLATE

ATTACH TEETH TO THE PIGGYBACK AT THE TIME OF FABRICATION. ATTACH TO SUPPORTING TRUSS WITH (4) 0.120" X 1.375" NAILS PER FACE PER PLY. APPLY PIGGYBACK SPECIAL PLATE TO EACH TRUSS FACE AND SPACE 4' OC OR LESS.



THIS DRAWING REPLACES DRAWINGS 634,016 634,017 & 647,045

JULIUS LEE LICENSE NO. 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI. 53719) AND WTCA (WOOD TRUSS COUNCIL AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

REVIEWED
By julius lee at 11:59 am, Jun 11, 2008

JULIUS LEE'S
CONS. ENGINEERS P.A.
1460 SW 4th AVENUE
DELRAY BEACH, FL. 33444-2161

No: 34869
STATE OF FLORIDA

MAX LOADING
55 PSF AT 1.33 DUR. FAC.
50 PSF AT 1.25 DUR. FAC.
47 PSF AT 1.15 DUR. FAC.
SPACING 24.0"

REF PIGGYBACK
DATE 09/12/07
DRWG MITEK STD PIGGY
-ENG JL

TOE-NAIL DETAIL

TOE-NAILS TO BE DRIVEN AT AN ANGLE OF APPROXIMATELY THIRTY DEGREES WITH THE PIECE AND STARTED APPROXIMATELY ONE-THIRD THE LENGTH OF THE NAIL FROM THE END OF THE MEMBER.

PER ANSI/AF&PA NDS-2001 SECTION 12.4.1 - EDGE DISTANCE, END DISTANCE, SPACING: "EDGE DISTANCES, END DISTANCES AND SPACINGS FOR NAILS AND SPIKES SHALL BE SUFFICIENT TO PREVENT SPLITTING OF THE WOOD."

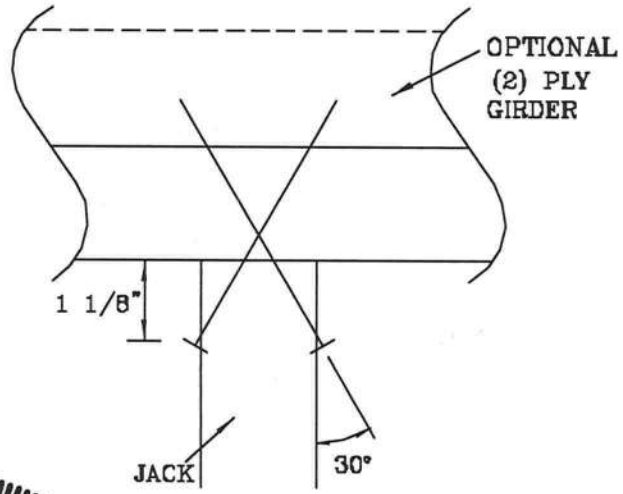
THE NUMBER OF TOE-NAILS TO BE USED IN A SPECIFIC APPLICATION IS DEPENDENT UPON PROPERTIES FOR THE CHORD SIZE, LUMBER SPECIES, AND NAIL TYPE. PROPER CONSTRUCTION PRACTICES AS WELL AS GOOD JUDGEMENT SHOULD DETERMINE THE NUMBER OF NAILS TO BE USED.

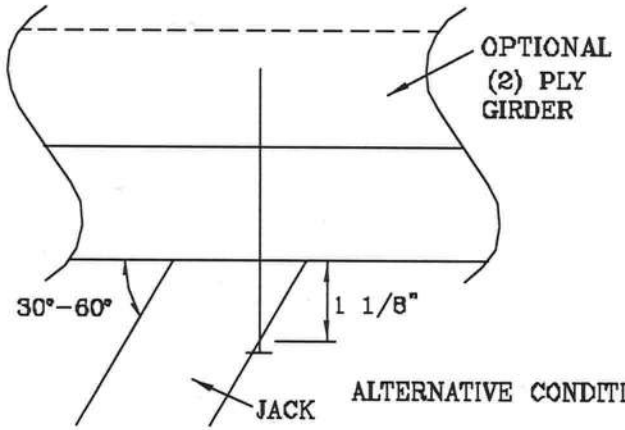
THIS DETAIL DISPLAYS A TOE-NAILED CONNECTION FOR JACK FRAMING INTO A SINGLE OR DOUBLE PLY SUPPORTING GIRDER.

MAXIMUM VERTICAL RESISTANCE OF 16d (0.162"X3.5") COMMON TOE-NAILS

NUMBER OF TOE-NAILS	SOUTHERN PINE		DOUGLAS FIR-LARCH		HEM-FIR		SPRUCE PINE FIR	
	1 PLY	2 PLIES	1 PLY	2 PLIES	1 PLY	2 PLIES	1 PLY	2 PLIES
2	197#	256#	181#	234#	156#	203#	154#	199#
3	296#	383#	271#	351#	234#	304#	230#	298#
4	394#	511#	361#	468#	312#	406#	307#	397#
5	493#	639#	452#	585#	390#	507#	384#	496#

ALL VALUES MAY BE MULTIPLIED BY APPROPRIATE DURATION OF LOAD FACTOR.





ALTERNATIVE CONDITION

THIS DRAWING REPLACES DRAWING 784040

JULIUS LEE LICENSE NO. 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

REVIEWED
By julius lee at 11:59 am, Jun 11, 2008

JULIUS LEE'S
CONS. ENGINEERS P.A.
1455 SW 4th AVENUE
DELRAY BEACH, FL 33444-2161

No: 34869
STATE OF FLORIDA

TC LL	PSF	REF	TOE-NAIL
TC DL	PSF	DATE	09/12/07
BC DL	PSF	DRWG	CNTONAIL1103
BC LL	PSF	-ENG	JL
TOT. LD.	PSF		
DUR. FAC.	1.00		
SPACING			

TRULOX CONNECTION DETAIL

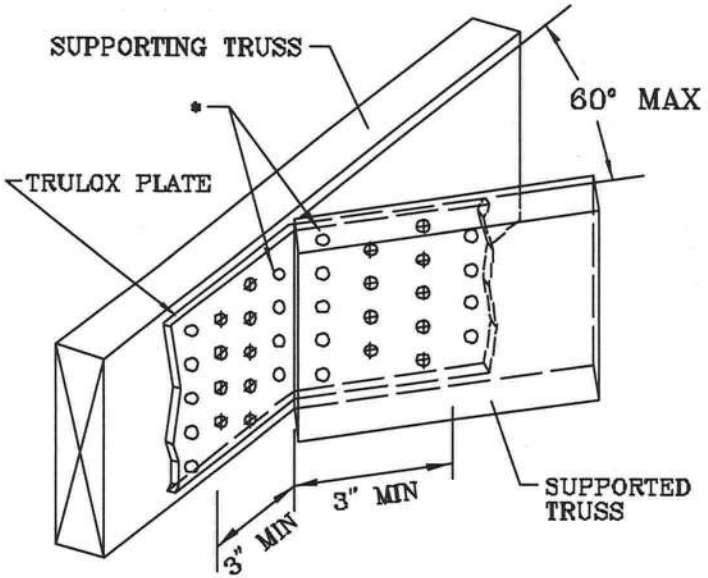
11 GAUGE (0.120" X 1.375") NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. FILL ROWS COMPLETELY WHERE SHOWN (⊕).

* NAILS MAY BE OMITTED FROM THESE ROWS.

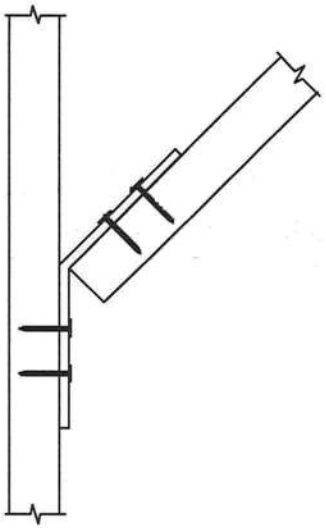
THIS DETAIL MAY BE USED WITH SO. PINE, DOUGLAS-FIR OR HEM-FIR CHORDS WITH A MINIMUM 1.00 DURATION OF LOAD OR SPRUCE-PINE-FIR CHORDS WITH A MINIMUM 1.15 DURATION OF LOAD. CHORD SIZE OF BOTH TRUSSES MUST EXCEED THE TRULOX PLATE WIDTH.

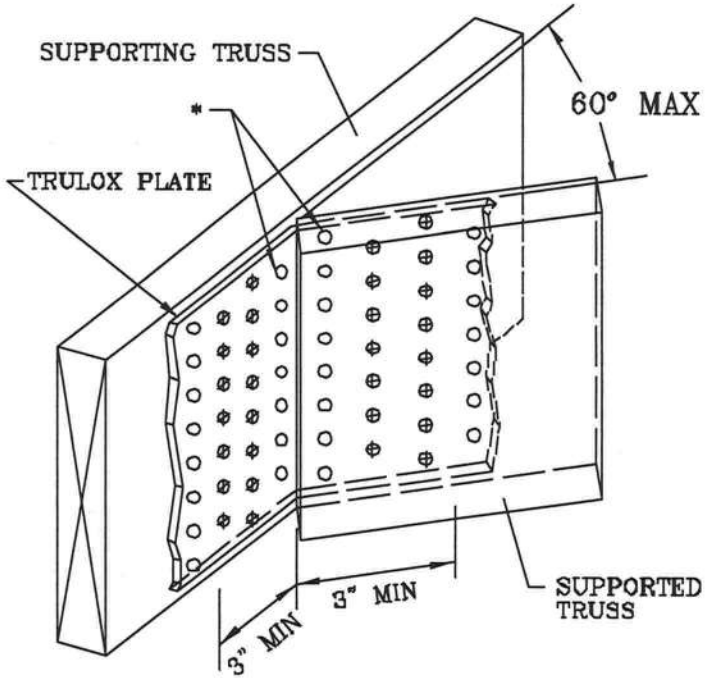
TRULOX PLATE IS CENTERED ON THE CHORDS AND BENT BETWEEN NAIL ROWS.

REFER TO ENGINEER'S SEALED DESIGN REFERENCING THIS DETAIL FOR LUMBER, PLATES, AND OTHER INFORMATION NOT SHOWN.



MINIMUM 3X6 TRULOX PLATE





MINIMUM 5X6 TRULOX PLATE

TRULOX PLATE SIZE	REQUIRED NAILS PER TRUSS	MAXIMUM LOAD UP OR DOWN
3X6	9	350#
5X6	15	990#

REVIEWED
By julius lee at 11:58 am, Jun 11, 2008

JULIUS LEE LICENSE NO. 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

THIS DRAWING REPLACES DRAWINGS 1,158,989 1,158,989/R 1,154,944 1,152,217 1,152,017 1,159,154 & 1,151,524

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

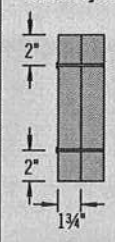
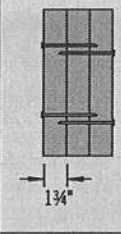
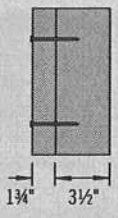
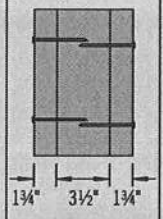
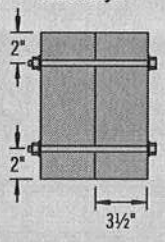
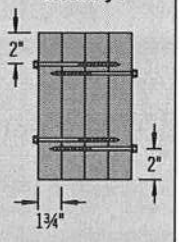
JULIUS LEE'S
CONS. ENGINEERS P.A.
1455 SW 4th AVENUE
DELRAY BEACH, FL. 33444-2161

No: 34869
STATE OF FLORIDA

REF	TRULOX
DATE	11/26/03
DRWG	CNTRULOX1103
-ENG	JL

MULTIPLE-MEMBER CONNECTIONS FOR SIDE-LOADED BEAMS

Maximum Uniform Load Applied to Either Outside Member (PLF)

Connector Type	Number of Rows	Connector On-Center Spacing	Connector Pattern					
			Assembly A 	Assembly B 	Assembly C 	Assembly D 	Assembly E 	Assembly F 
			3½" 2-ply	5¼" 3-ply	5¼" 2-ply	7" 3-ply	7" 2-ply	7" 4-ply
10d (0.128" x 3") Nail[1]	2	12"	370	***280***	280	***245***		
	3	12"	555	***415***	415	***370***		
½" A307 Through Bolts[2][4]	2	24"	505	380	520	465	860	340
		19.2"	635	475	655	580	1,075	425
		16"	760	570	785	695	1,290	505
SDS ¼" x 3½"[4]	2	24"	680	***510***	510	***455***		
		19.2"	850	***640***	640	***565***		
		16"	1,020	***765***	765	***680***		
SDS ¼" x 6"[3][4]	2	24"				***455***	***465***	***455***
		19.2"				***565***	***580***	***565***
		16"				***680***	***695***	***680***
USP WS35 [4]	2	24"	480	***360***	360	***320***		
		19.2"	600	***450***	450	***400***		
		16"	715	***540***	540	***480***		
USP WS6 [3][4]	2	24"				***350***	***525***	***350***
		19.2"				***440***	***660***	***440***
		16"				***525***	***790***	***525***
3⅜" TrussLok[4]	2	24"	635	***475***	475	***425***		
		19.2"	795	***595***	595	***530***		
		16"	955	***715***	715	***635***		
5" TrussLok[4]	2	24"		***500***	500	***445***	***480***	***445***
		19.2"		***625***	625	***555***	***600***	***555***
		16"		***750***	750	***665***	***725***	***665***
6¾" TrussLok[4]	2	24"				445	620	445
		19.2"				555	770	555
		16"				665	925	665

(1) Nailed connection values may be doubled for 6" on-center or tripled for 4" on-center nail spacing.

(2) Washers required. Bolt holes to be 9/16" maximum.

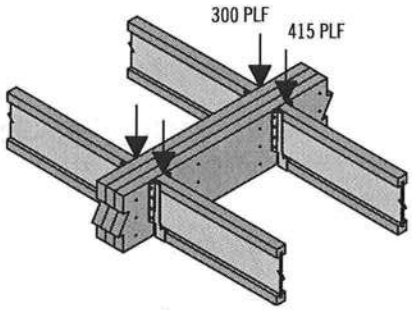
(3) 6" SDS or WS screws can be used with Parallam® PSL and Microllam® LVL, but are not recommended for TimberStrand® LSL.

(4) 24" on-center bolted and screwed connection values may be doubled for 12" on-center spacing.

General Notes

- Connections are based on NDS® 2005 or manufacturer's code report.
- Use specific gravity of 0.5 when designing lateral connections.
- Values listed are for 100% stress level. Increase 15% for snow-loaded roof conditions or 25% for non-snow roof conditions, where code allows.
- ***Bold Italic*** cells indicate **Connector Pattern** must be installed on both sides. Stagger fasteners on opposite side of beam by ½ the required **Connector Spacing**.
- Verify adequacy of beam in allowable load tables on pages 16–33.
- 7" wide beams should be side-loaded only when loads are applied to both sides of the members (to minimize rotation).
- Minimum end distance for bolts and screws is 6".
- Beams wider than 7" require special consideration by the design professional.

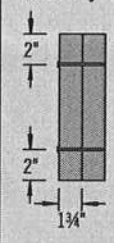
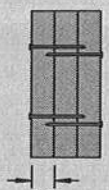
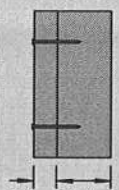
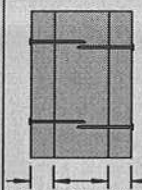
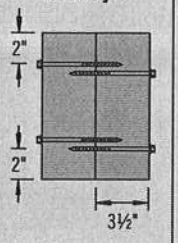
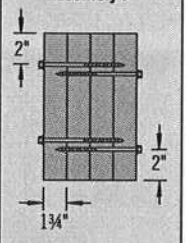
Uniform Load Design Example



First, check the allowable load tables on pages 16–33 to verify that three pieces can carry the total load of 715 plf with proper live load deflection criteria. Maximum load applied to either outside member is 415 plf. For a 3-ply 1¾" assembly, two rows of 10d (0.128" x 3") nails at 12" on-center is good for only 280 plf. Therefore, use three rows of 10d (0.128" x 3") nails at 12" on-center (good for 415 plf).

Alternates:
Two rows of ½" bolts or SDS ¼" x 3½" screws at 19.2" on-center.

Point Load—Maximum Point Load Applied to Either Outside Member (lbs)

Connector Type	Number of Connectors	Connector Pattern: Assembly A	Assembly B	Assembly C	Assembly D	Assembly E	Assembly F
							
		3½" 2-ply	5¼" 3-ply	5¼" 2-ply	7" 3-ply	7" 2-ply	7" 4-ply
10d (0.128" x 3") Nail	6	1,110	***835***	835	***740***		
	12	2,225	***1,670***	1,670	***1,485***		
	18	3,335	***2,505***	2,505	***2,225***		
	24	4,450	***3,335***	3,335	***2,965***		
SDS Screws ¼" x 3½" or WS35 ¼" x 6" or WS6(1)	4	1,915	1,435(4)	1,435	***1,275***	***1,860(2)***	***1,405(2)***
	6	2,870	2,150 (4)	2,150	***1,915***	***2,785(2)***	***2,110(2)***
	8	3,825	2,870 (4)	2,870	***2,550***	***3,715(2)***	***2,810(2)***
3⅜" or 5" TrussLok™	4	2,545	1,910 (4)	1,910	***1,695***	***1,925(3)***	***1,775(3)***
	6	3,815	2,860 (4)	2,860	***2,545***	***2,890(3)***	***2,665(3)***
	8	5,090	3,815 (4)	3,815	***3,390***	***3,855(3)***	***3,550(3)***

(1) 6" SDS or WS screws can be used with Parallam® PSL and Microllam® LVL, but are not recommended for TimberStrand® LSL.

See General Notes on page 38

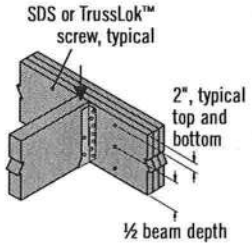
(2) 6" long screws required.

(3) 5" long screws required.

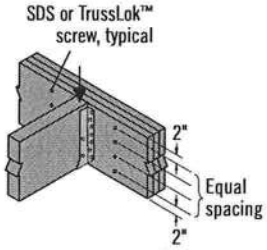
(4) 3½" and 3⅜" long screws must be installed on both sides.

Connections

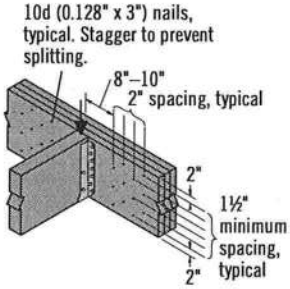
4 or 6 or Screw Connection



8 Screw Connection

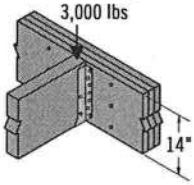


Nail Connection



There must be an equal number of nails on each side of the connection

Point Load Design Example



First, verify that a 3-ply 1¾" x 14" beam is capable of supporting the 3,000 lb point load as well as all other loads applied. The 3,000 lb point load is being transferred to the beam with a face mount hanger. For a 3-ply 1¾" assembly, eight 3⅜" TrussLok™ screws are good for 3,815 lbs with a face mount hanger.

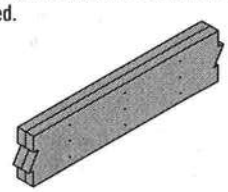
MULTIPLE-MEMBER CONNECTIONS FOR TOP-LOADED BEAMS

1¾" Wide Pieces

- Minimum of three rows of 10d (0.128" x 3") nails at 12" on-center.
- Minimum of four rows of 10d (0.128" x 3") nails at 12" on-center for 14" or deeper.
- If using 12d–16d (0.148"–0.162" diameter) nails, the number of nailing rows may be reduced by one.
- Minimum of two rows of SDS, WS, or TrussLok™ screws at 16" on-center. Use 3⅜" minimum length with two or three plies; 5" minimum for 4-ply members. 6" SDS and WS screws are not recommended for use with TimberStrand® LSL. For 3- or 4-ply members, connectors must be installed on both sides. Stagger fasteners on opposite side of beam by ½ of the required connector spacing.
- Load must be applied evenly across entire beam width. Otherwise, use connections for side-loaded beams.

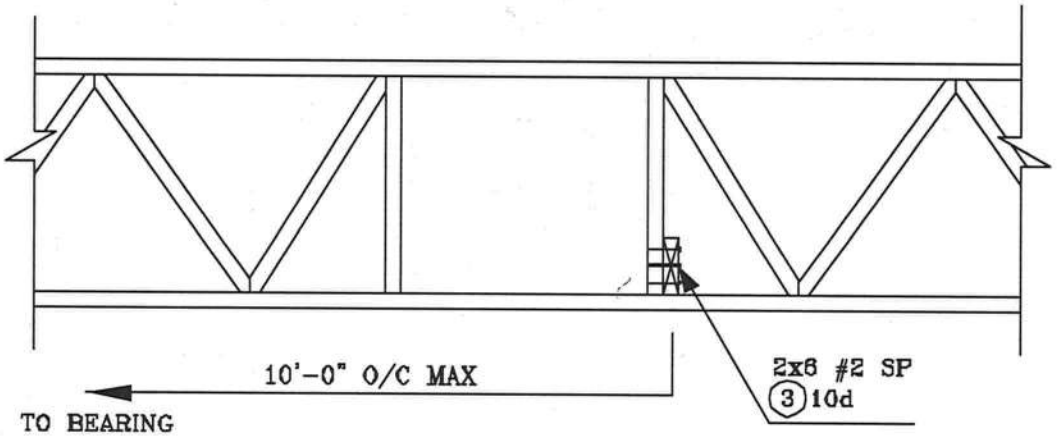
3½" Wide Pieces

- Minimum of two rows of SDS, WS, or TrussLok™ screws, 5" minimum length, at 16" on-center. 6" SDS and WS screws are not recommended for use with TimberStrand® LSL. Connectors must be installed on both sides. Stagger fasteners on opposite side of beam by ½ of the required connector spacing.
- Load must be applied evenly across entire beam width. Otherwise, use connections for side-loaded beams.
- Minimum of two rows of ½" bolts at 24" on-center staggered.

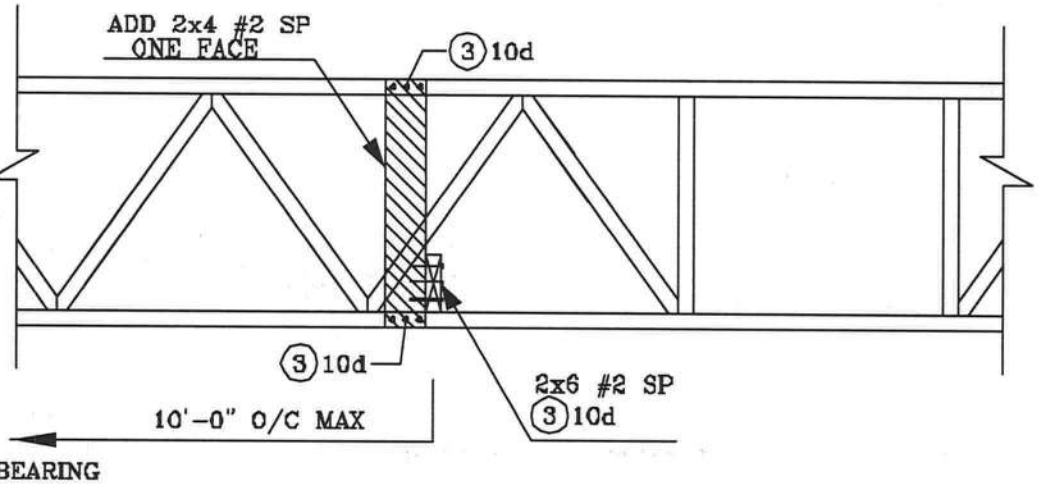


L6 ***Multiple pieces can be nailed or bolted together to form a header or beam of the required size, up to a maximum width of 7"***

STRONG BACK DETAIL
SYSTEM–42 OR FLAT TRUSS



ALTERNATE DETAIL FOR STRONG BACK WITH VERTICAL NOT LINING UP



REVIEWED
By julius lee at 11:58 am, Jun 11, 2008

JULIUS LEE
LICENSE
NO. 34869
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

JULIUS LEE'S
CONS. ENGINEERS P.A.
1456 SW 4th AVENUE
DELRAY BEACH, FL 33444-2161

No: 34869
STATE OF FLORIDA

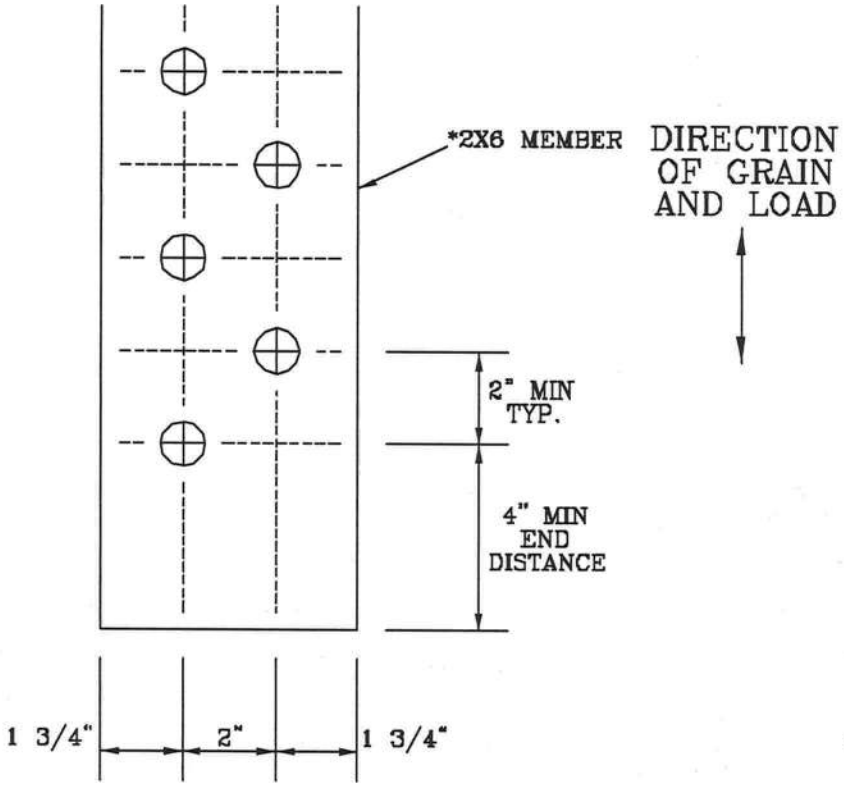
1/2" DIAMETER BOLT SPACING FOR LOAD APPLIED PARALLEL TO GRAIN.

* GRADE AND SPECIES AS SPECIFIED ON THE ALPINE DESIGN.

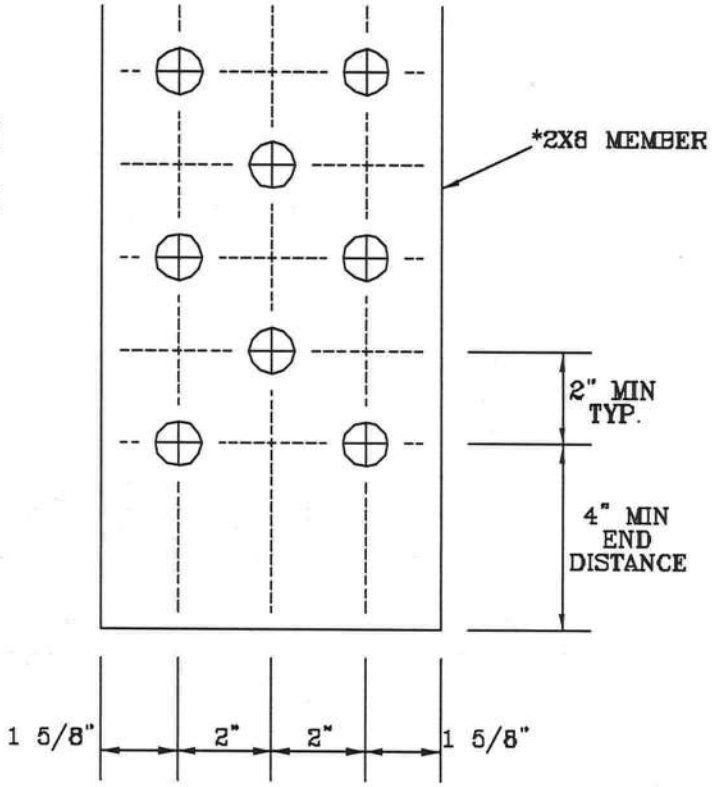
BOLT HOLES SHALL BE A MINIMUM OF 1/32" TO A MAXIMUM OF 1/16" LARGER THAN BOLT DIAMETER.

TYPICAL LOCATION OF 1/2" DIAMETER THRU BOLTS. BOLT QUANTITIES AS NOTED ON SEALED DESIGN MUST BE APPLIED IN ONE OF THE PATTERNS SHOWN BELOW.

WASHERS REQUIRED UNDER BOLT HEAD AND NUT



2X6 DETAIL



2X8 DETAIL

THIS DRAWING REPLACES DRAWING A828.016

JULIUS LEE LICENSE NO. 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

"WARNING" TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI. 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

REVIEWED
By julius lee at 11:59 am, Jun 11, 2008

JULIUS LEE'S CONS. ENGINEERS P.A.
1455 SW 4th AVENUE
DELRAY BEACH, FL 33444-2161

No: 34869
STATE OF FLORIDA

TC LL	PSF	REF BOLT SPACING
TC DL	PSF	DATE 11/26/03
BC DL	PSF	DRWG CNBOLTSP1103
BC LL	PSF	-ENG JL
TOT. LD.	PSF	
DUR. FAC.		
SPACING		

VALLEY TRUSS DETAIL

TOP CHORD 2X4 SP #2 OR SPF #1/#2 OR BETTER.
BOT CHORD 2X3(*) OR 2X4 SP #2N OR SPF #1/#2 OR BETTER.
WEBS 2X4 SP #3 OR BETTER.

* 2X3 MAY BE RIPPED FROM A 2X6 (PITCHED OR SQUARE).

** ATTACH EACH VALLEY TO EVERY SUPPORTING TRUSS WITH: (2) 16d BOX (0.135" X 3.5") NAILS TOE-NAILED FOR FBC 2004 110 MPH, ASCE 7-02 110 MPH WIND OR (3) 16d FOR ASCE 7-02 130 MPH WIND. 15' MEAN HEIGHT, ENCLOSED BUILDING, EXP. C, RESIDENTIAL, WIND TC DL=5 PSF.

UNLESS SPECIFIED ON ENGINEER'S SEALED DESIGN, APPLY 1X4 "T"-BRACE, 80% LENGTH OF WEB, VALLEY WEB, SAME SPECIES AND GRADE OR BETTER, ATTACHED WITH 8d BOX (0.113" X 2.5") NAILS AT 6" OC, OR CONTINUOUS LATERAL BRACING, EQUALLY SPACED, FOR VERTICAL VALLEY WEBS GREATER THAN 7'9".

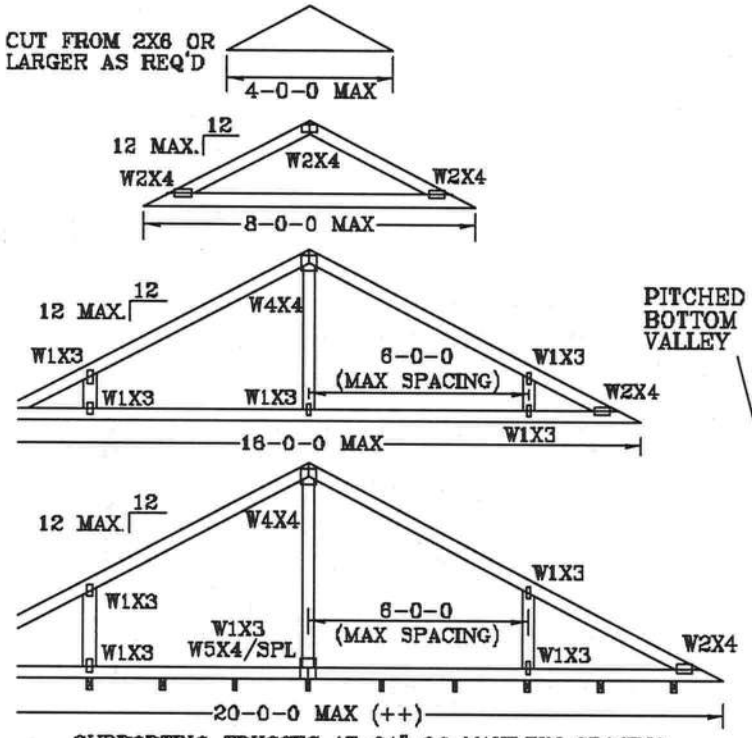
MAXIMUM VALLEY VERTICAL HEIGHT MAY NOT EXCEED 12'0".

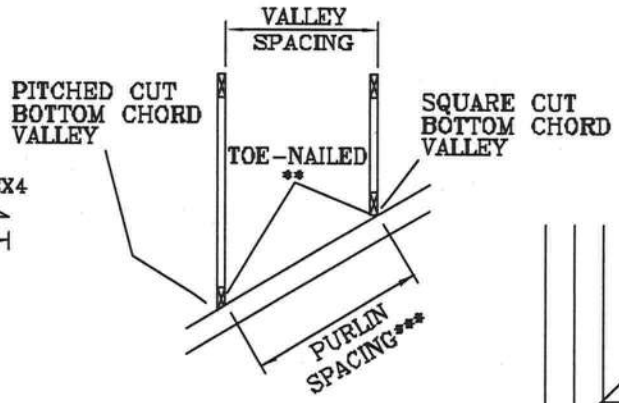
TOP CHORD OF TRUSS BENEATH VALLEY SET MUST BE BRACED WITH:
PROPERLY ATTACHED, RATED SHEATHING APPLIED PRIOR TO VALLEY TRUSS INSTALLATION
OR
PURLINS AT 24" OC OR AS OTHERWISE SPECIFIED ON ENGINEERS' SEALED DESIGN
OR
BY VALLEY TRUSSES USED IN LIEU OF PURLIN SPACING AS SPECIFIED ON ENGINEERS' SEALED DESIGN.

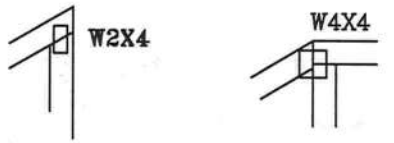
*** NOTE THAT THE PURLIN SPACING FOR BRACING THE TOP CHORD OF THE TRUSS BENEATH THE VALLEY IS MEASURED ALONG THE SLOPE OF THE TOP CHORD.

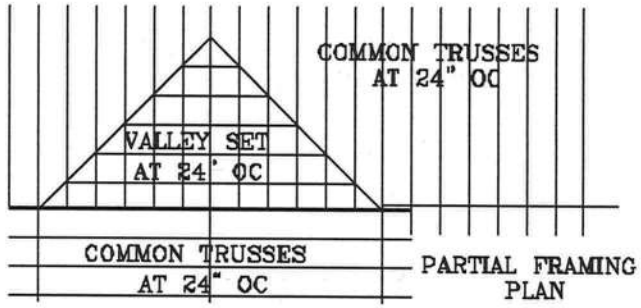
++ LARGER SPANS MAY BE BUILT AS LONG AS THE VERTICAL HEIGHT DOES NOT EXCEED 12'0".

BOTTOM CHORD MAY BE SQUARE OR PITCHED CUT AS SHOWN.









SUPPORTING TRUSSES AT 24" OC MAXIMUM SPACING.

THIS DRAWING REPLACES DRAWING A105

JULIUS LEE LICENSE NO. 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

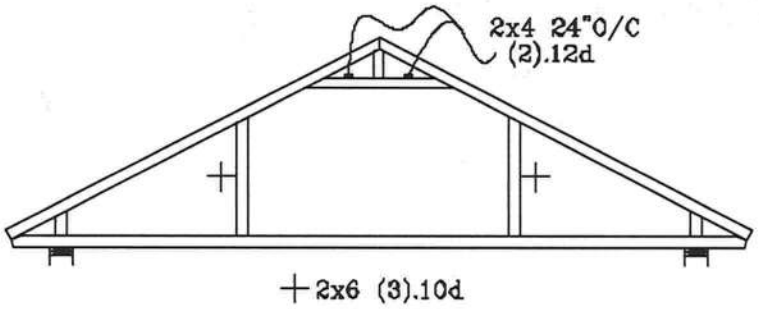
REVIEWED
By julius lee at 11:59 am, Jun 11, 2008

JULIUS LEE'S
CONS. ENGINEERS P.A.
1455 SW 4th AVENUE
DELRAY BEACH, FL. 33444-2161

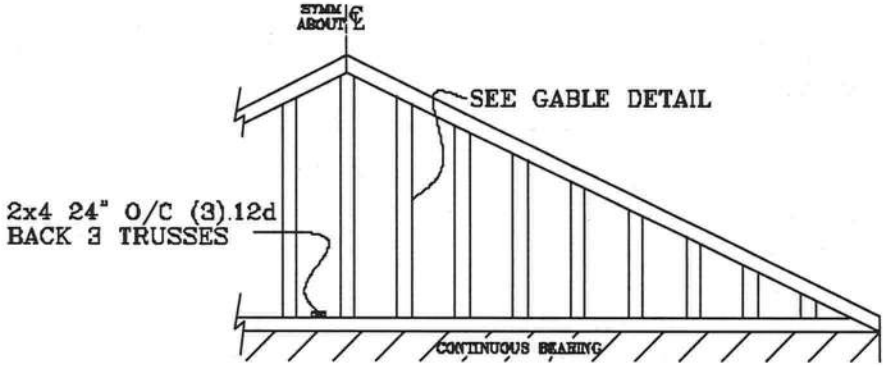
No: 34869
STATE OF FLORIDA

TC LL	20	20	PSF	REF VALLEY DETAIL
TC DL	7	15	PSF	DATE 11/26/03
BC DL	5	5	PSF	DRWG VALTRUSS1103
BC LL	0	0	PSF	-ENG JL
TOT. LD.	32	40	PSF	
DUR.FAC.	1.25	1.25		
SPACING		24"		

TYPICAL ATTIC TRUSS BRACING

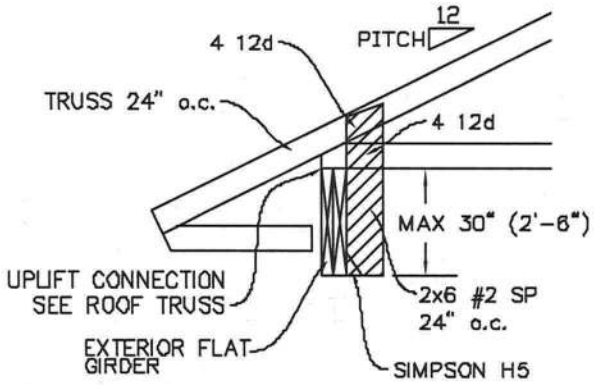


GABLE END TRUSS DETAIL



MINIMUM BC BRACING ON GABLE TRUSS. OTHER PERMANENT BRACING DESIGNS BY ARCHITECT OR EOR

TYPICAL ALTERNATE BRACING DETAIL FOR EXTERIOR FLAT GIRDER TRUSS



REVIEWED
By julius lee at 11:59 am, Jun 11, 2008

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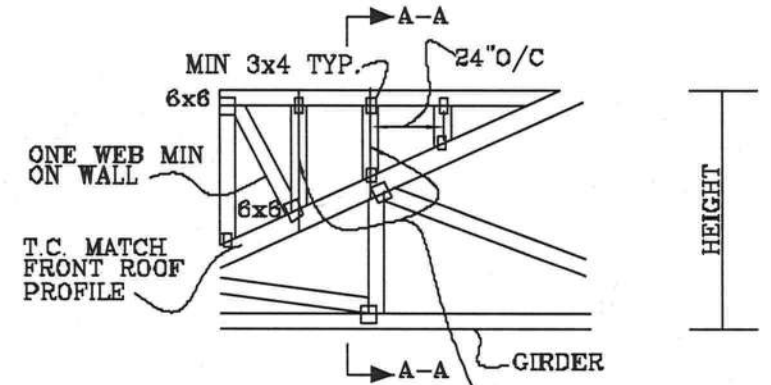
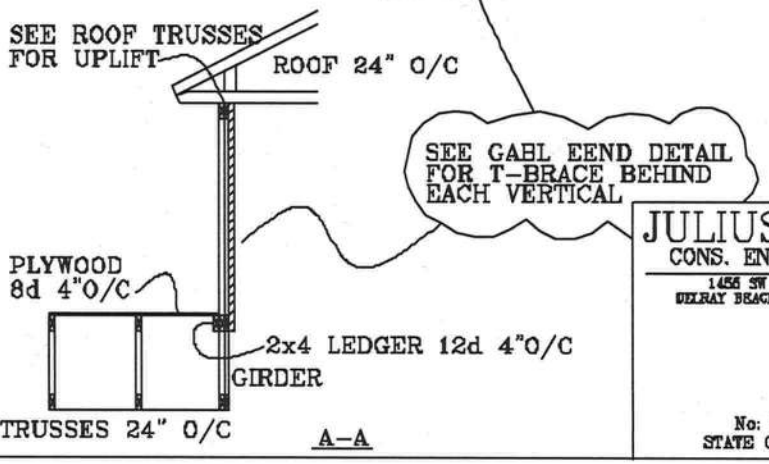
LICENSE
NO. 34869
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

TYPICAL WALL GIRDER VERTICAL WEB BRACING DETAIL





JULIUS LEE'S
CONS. ENGINEERS P.A.
1456 SW 4th AVENUE
DELRAY BEACH, FL 33444-3161

No: 34869
STATE OF FLORIDA

ASCE 7-02: 130 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH

2X4 GABLE VERTICAL SPACING	SPECIES	BRACE GRADE	NO BRACES	(1) 1X4 "L" BRACE *		(1) 2X4 "L" BRACE *		(2) 2X4 "L" BRACE **		(1) 2X6 "L" BRACE *		(2) 2X6 "L" BRACE **	
				GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
24" O.C.	SPF HF	#1 / #2	3' 4"	5' 10"	6' 0"	6' 11"	7' 1"	8' 3"	8' 6"	10' 10"	11' 2"	12' 11"	13' 3"
		#3	3' 3"	4' 11"	4' 11"	6' 6"	6' 6"	8' 3"	8' 3"	10' 1"	10' 1"	12' 11"	12' 11"
		STUD	3' 3"	4' 11"	4' 11"	6' 5"	6' 5"	8' 3"	8' 3"	10' 0"	10' 0"	12' 11"	12' 11"
		STANDARD	3' 3"	4' 2"	4' 2"	5' 6"	5' 6"	7' 5"	7' 5"	8' 8"	8' 8"	11' 8"	11' 8"
	SP DFL	#1	3' 8"	5' 10"	6' 3"	6' 11"	7' 5"	8' 3"	8' 11"	10' 10"	11' 8"	12' 11"	13' 11"
		#2	3' 7"	5' 10"	6' 3"	6' 11"	7' 5"	8' 3"	8' 11"	10' 10"	11' 8"	12' 11"	13' 11"
		#3	3' 6"	5' 0"	6' 0"	6' 8"	6' 8"	8' 3"	8' 8"	10' 4"	10' 4"	12' 11"	13' 7"
		STUD	3' 6"	5' 0"	5' 0"	6' 7"	6' 7"	8' 3"	8' 8"	10' 3"	10' 3"	12' 11"	13' 7"
		STANDARD	3' 4"	4' 3"	4' 3"	5' 8"	5' 8"	7' 8"	7' 8"	8' 10"	8' 10"	12' 0"	12' 0"
16" O.C.	SPF HF	#1 / #2	3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 6"	9' 8"	12' 6"	12' 9"	14' 0"	14' 0"
		#3	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"
		STUD	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"
		STANDARD	3' 9"	5' 2"	5' 2"	6' 10"	6' 10"	9' 2"	9' 2"	10' 7"	10' 7"	14' 0"	14' 0"
	SP DFL	#1	4' 3"	8' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
		#2	4' 2"	8' 8"	7' 2"	7' 11"	8' 5"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
		#3	4' 0"	6' 2"	6' 2"	7' 11"	8' 2"	9' 6"	9' 11"	12' 5"	12' 8"	14' 0"	14' 0"
		STUD	4' 0"	6' 1"	6' 1"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 5"	14' 0"	14' 0"
		STANDARD	3' 10"	5' 3"	5' 3"	6' 11"	6' 11"	9' 4"	9' 4"	10' 10"	10' 10"	14' 0"	14' 0"
12" O.C.	SPF HF	#1 / #2	4' 5"	7' 4"	7' 7"	8' 9"	8' 11"	10' 6"	10' 8"	13' 8"	14' 0"	14' 0"	14' 0"
		#3	4' 2"	6' 11"	6' 11"	8' 8"	8' 8"	10' 5"	10' 5"	13' 8"	13' 8"	14' 0"	14' 0"
		STUD	4' 2"	6' 11"	6' 11"	8' 8"	8' 8"	10' 5"	10' 5"	13' 6"	13' 6"	14' 0"	14' 0"
		STANDARD	4' 2"	6' 11"	6' 11"	7' 10"	7' 10"	10' 5"	10' 5"	12' 3"	12' 3"	14' 0"	14' 0"
	SP DFL	#1	4' 8"	7' 4"	7' 11"	8' 9"	8' 5"	10' 5"	11' 2"	13' 8"	14' 0"	14' 0"	14' 0"
		#2	4' 7"	7' 4"	7' 11"	8' 9"	8' 5"	10' 6"	11' 2"	13' 8"	14' 0"	14' 0"	14' 0"
		#3	4' 4"	7' 2"	7' 2"	8' 9"	8' 2"	10' 5"	10' 11"	13' 5"	14' 0"	14' 0"	14' 0"
		STUD	4' 4"	7' 1"	7' 1"	8' 9"	8' 2"	10' 5"	10' 11"	13' 5"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 3"	6' 1"	6' 1"	8' 0"	8' 0"	10' 5"	10' 8"	12' 6"	12' 6"	14' 0"	14' 0"

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

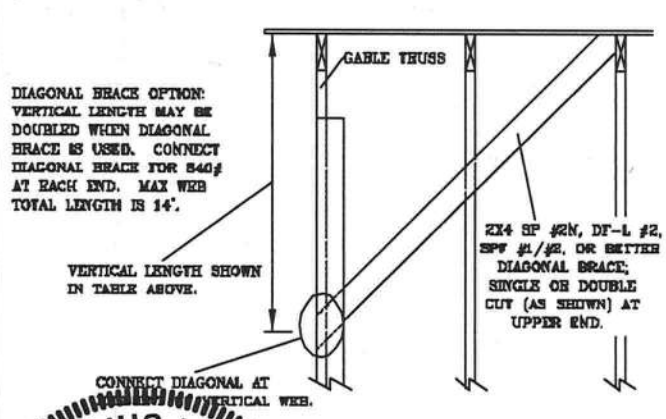
SOUTHERN PINE
#3
STUD
STANDARD

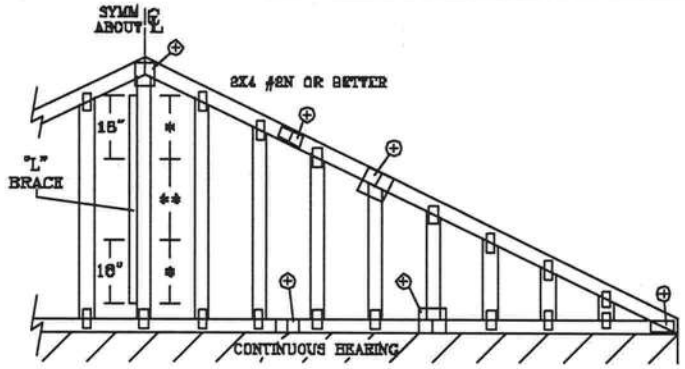
GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#3
#2

DOUGLAS FIR-LARCH
#1
#2





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 136 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES

VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 8"	2X4
GREATER THAN 11' 8"	2.5X4

+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.

JULIUS LEE LICENSE NO. 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

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REVIEWED
By julius lee at 12:00 pm, Jun 11, 2008

JULIUS LEE'S CONS. ENGINEERS P.A.
1455 SW 4th AVENUE
DELRAY BEACH, FL. 33444-2161
No: 34869
STATE OF FLORIDA

MAX. TOT. LD. 60 PSF

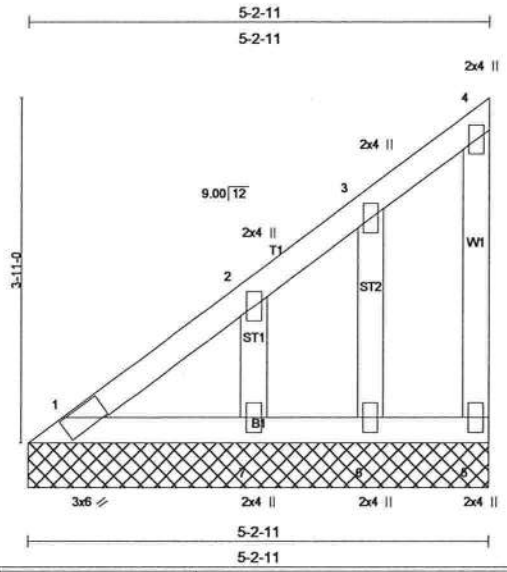
MAX. SPACING 24.0"

REF	ASCE7-02-GAB13015
DATE	11/26/03
DRWG	MITEK STD GABLE 15 E HT
-ENG	

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	V1G	GABLE	1	1	L273732055
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jul 23 15:31:02 2008 Page 1

Scale = 1:25.2



LOADING (psf)			SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0		Plates Increase	1.25	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0		Lumber Increase	1.25	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0	*	Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.00		n/a	n/a		
BCDL	5.0		Code FBC2004/TPI2002		(Matrix)							Weight: 27 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-2-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=56/5-2-11, 5=33/5-2-11, 6=71/5-2-11, 7=138/5-2-11
Max Horz 1=161(load case 6)
Max Uplift5=-30(load case 6), 6=-64(load case 6), 7=-124(load case 6)
Max Grav 1=70(load case 6), 5=33(load case 1), 6=71(load case 1), 7=138(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-183/40, 2-3=-82/14, 3-4=-28/13, 4-5=-28/37
BOT CHORD 1-7=0/0, 6-7=0/0, 5-6=0/0
WEBS 3-6=-60/78, 2-7=-116/152

JOINT STRESS INDEX
1 = 0.08, 2 = 0.08, 3 = 0.04, 4 = 0.02, 5 = 0.02, 6 = 0.04 and 7 = 0.09

NOTES (6)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Gable requires continuous bottom chord bearing.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 30 lb uplift at joint 5, 64 lb uplift at joint 6 and 124 lb uplift at joint 7.
6) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	T28	SPECIAL	3	1	L273732053
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jul 23 15:31:00 2008 Page 1

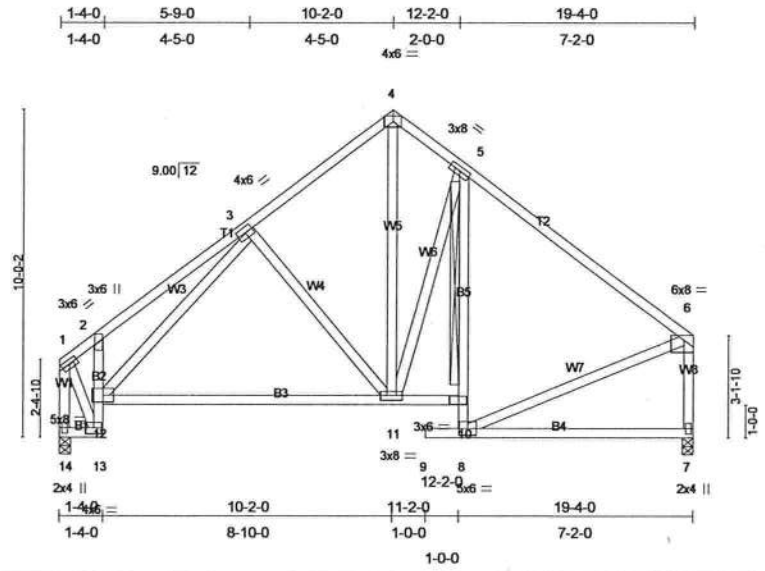


Plate Offsets (X,Y): [6:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.65	Vert(LL)	-0.11	11-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.87	Vert(TL)	-0.20	11-12	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.48	Horz(TL)	0.09	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 146 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, B5 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 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 12-13.
T-Brace: 2 X 4 SYP No.3 - 5-10
JOINTS 1 Brace at Jt(s): 10

REACTIONS (lb/size) 14=614/0-4-0, 7=616/0-4-0
Max Horz 14=308(load case 5)
Max Uplift14=-113(load case 6), 7=-110(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-336/178, 2-3=-516/328, 3-4=-523/350, 4-5=-502/407, 5-6=-579/307, 1-14=-689/287, 6-7=-596/292
BOT CHORD 13-14=-275/273, 12-13=-338/172, 2-12=-177/190, 11-12=-234/466, 10-11=-80/374, 8-10=-70/54, 5-10=-204/73, 8-9=0/0, 7-8=-11/71
WEBS 3-12=-223/204, 3-11=-187/229, 4-11=-359/403, 5-11=-141/230, 1-13=-198/470, 6-8=-79/332

JOINT STRESS INDEX
1 = 0.44, 2 = 0.47, 3 = 0.29, 4 = 0.29, 5 = 0.49, 6 = 0.51, 7 = 0.82, 8 = 0.60, 10 = 0.86, 11 = 0.68, 12 = 0.56, 13 = 0.73 and 14 = 0.34

NOTES (6)
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 and C-C Exterior(2) zone; end vertical 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.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 113 lb uplift at joint 14 and 110 lb uplift at joint 7.
6) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	T26G	GABLE	1	1	L273732051
					Job Reference (optional)

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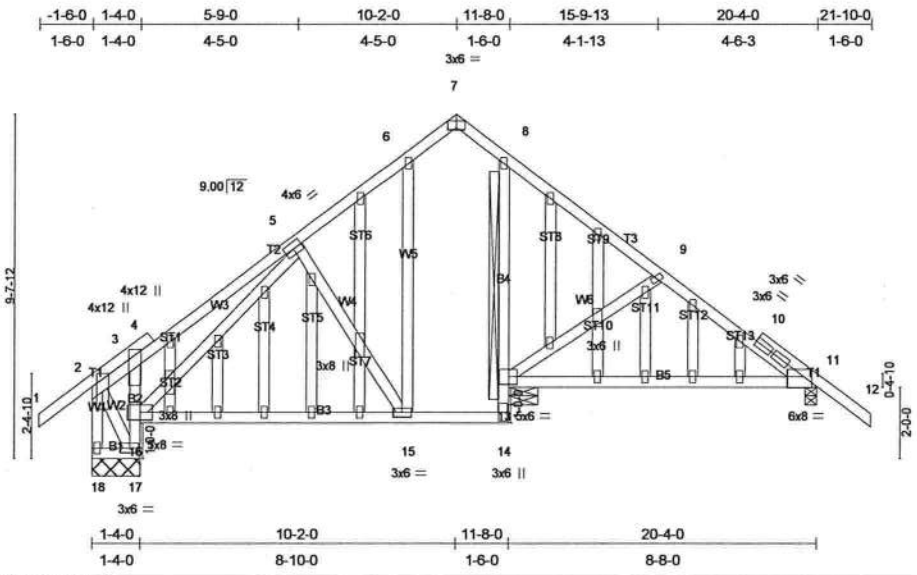

Plate Offsets (X,Y): [7:0-3-0,Edge], [11:0-2-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.35	Vert(LL)	0.24	11-13	>429	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.65	Vert(TL)	-0.18	11-13	>573	240		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.41	Horz(TL)	0.03	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 181 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
OTHERS 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 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 17-18.
T-Brace: 2 X 4 SYP No.3 - 8-13

REACTIONS (lb/size) 11=552/0-4-0, 18=-212/1-4-0, 16=723/1-4-0, 13=436/0-10-0, 17=194/1-4-0
Max Horz 18=316(load case 5)
Max Uplift11=-412(load case 7), 18=-566(load case 4), 16=-431(load case 6), 13=-352(load case 7), 17=-471(load case 5)
Max Grav 11=552(load case 1), 18=619(load case 5), 16=723(load case 1), 13=437(load case 11), 17=409(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-4/56, 2-3=-259/227, 3-4=-149/136, 4-5=-137/225, 5-6=-316/230, 6-7=-158/171, 7-8=-226/228, 8-9=-313/216, 9-10=-500/322, 10-11=-555/327, 11-12=-4/58, 2-18=-545/474
BOT CHORD 17-18=-265/268, 16-17=0/0, 3-16=-270/256, 15-16=-163/246, 14-15=-93/244, 13-14=-71/92, 8-13=-198/132, 11-13=-183/401
WEBS 9-13=-266/348, 2-17=-355/459, 6-15=-102/101, 5-15=-129/223, 5-16=-533/253

JOINT STRESS INDEX
2 = 1.00, 3 = 0.51, 4 = 0.00, 5 = 0.29, 6 = 0.34, 7 = 0.54, 8 = 0.53, 9 = 0.34, 10 = 0.00, 10 = 0.28, 10 = 0.21, 11 = 0.55, 13 = 0.71, 14 = 0.60, 15 = 0.44, 16 = 0.64, 17 = 0.49, 18 = 0.47, 19 = 0.74, 20 = 0.34, 21 = 0.34, 22 = 0.34, 23 = 0.34, 24 = 0.34, 25 = 0.34, 26 = 0.34, 27 = 0.34, 28 = 0.42, 29 = 0.34, 30 = 0.34, 31 = 0.34, 32 = 0.34, 33 = 0.34, 34 = 0.34, 35 = 0.64, 36 = 0.34, 37 = 0.34, 38 = 0.34, 39 = 0.34, 40 = 0.34 and 41 = 0.34

NOTES (11)
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; end vertical left exposed; 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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 1-4-0 oc.
7) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
8) Bearing at joint(s) 16 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 412 lb uplift at joint 11, 566 lb uplift at joint 18, 431 lb uplift at joint 16, 352 lb uplift at joint 13 and 471 lb uplift at joint 17.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-64(F=-10), 2-7=-64(F=-10), 7-12=-64(F=-10), 17-18=-10, 14-16=-10, 11-13=-10

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	T25G	GABLE	1	1	L273732049

Job Reference (optional)

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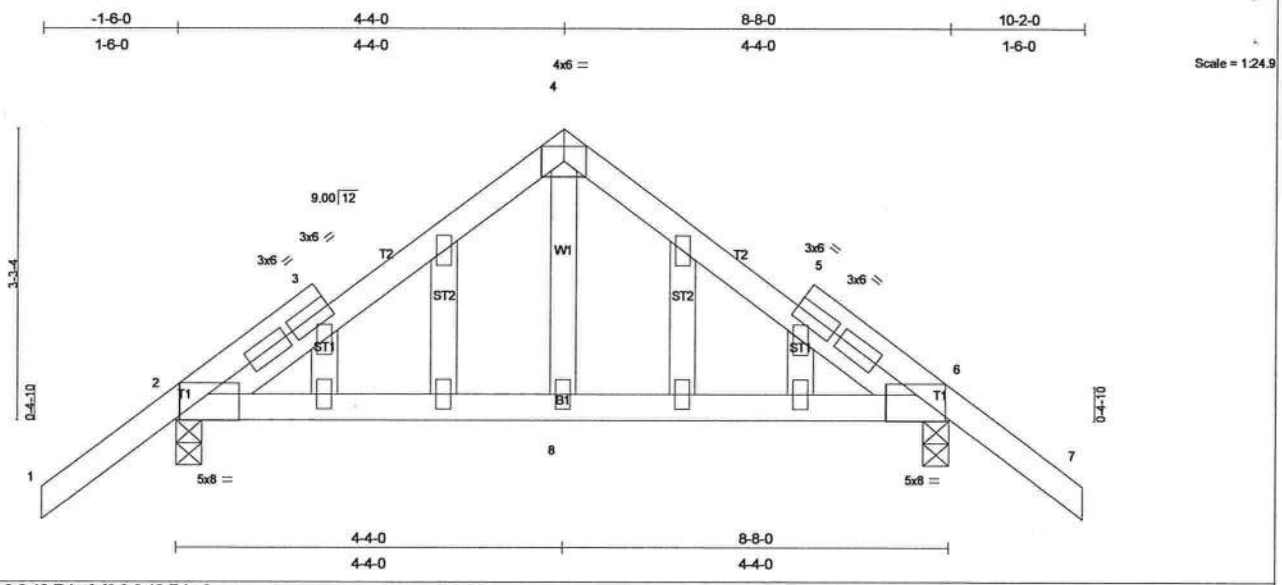

Plate Offsets (X,Y): [2:0-3-13,Edge], [6:0-3-13,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.24	Vert(LL)	0.02	2-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.11	Vert(TL)	-0.01	2-8	>999	240		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.05	Horz(TL)	0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 51 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 10-0-0 oc bracing.

REACTIONS (lb/size) 2=415/0-3-8, 6=415/0-3-8
Max Horz 2=-108(load case 4)
Max Uplift2=-369(load case 6), 6=-369(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-6/57, 2-3=-356/430, 3-4=-291/427, 4-5=-291/427, 5-6=-356/430, 6-7=-6/57
BOT CHORD 2-8=-209/233, 6-8=-209/233
WEBS 4-8=-257/139

JOINT STRESS INDEX
2 = 0.58, 3 = 0.00, 3 = 0.25, 3 = 0.25, 4 = 0.45, 5 = 0.00, 5 = 0.25, 5 = 0.25, 6 = 0.58, 8 = 0.10, 9 = 0.00, 10 = 0.00, 11 = 0.00, 12 = 0.00, 12 = 0.00, 13 = 0.00, 14 = 0.00, 15 = 0.00, 16 = 0.00 and 16 = 0.00

NOTES (10)
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 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.
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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 1-4-0 oc.
7) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 369 lb uplift at joint 2 and 369 lb uplift at joint 6.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-6=-10, 1-4=-64(F=-10), 4-7=-64(F=-10)

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	T24	HIP	1	2	L273732047

Job Reference (optional)

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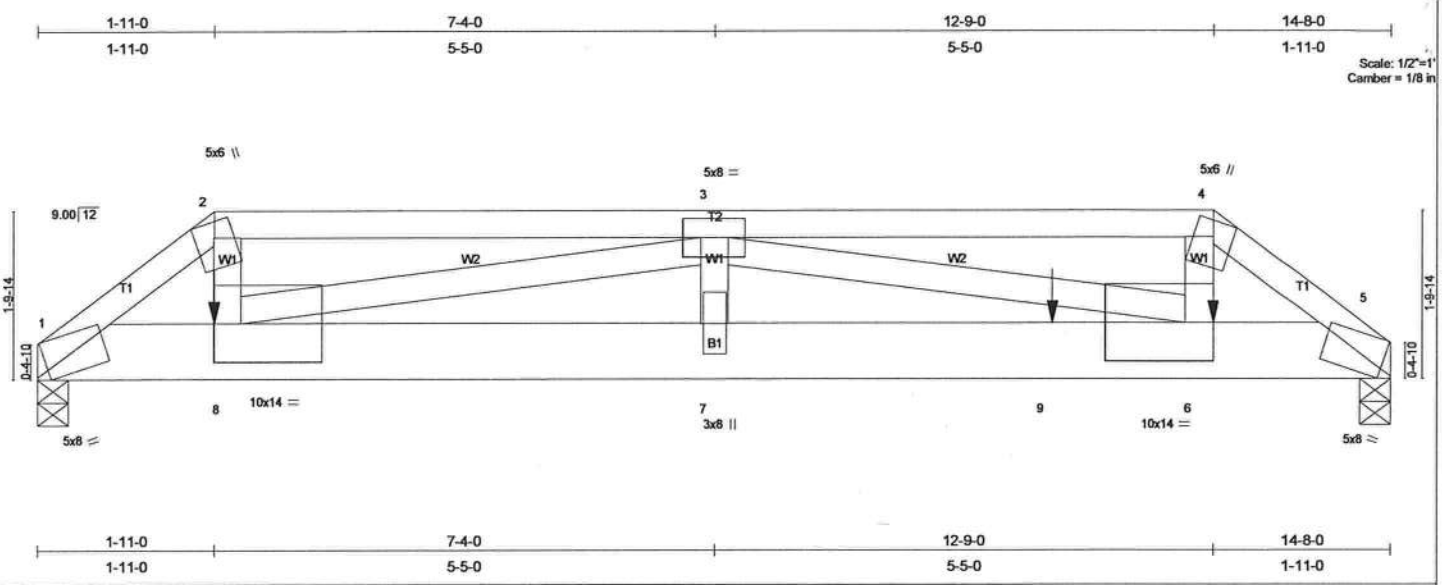

Plate Offsets (X,Y): [6:0-3-8,0-5-0], [8:0-3-8,0-5-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	-0.16	6-7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.59	Vert(TL)	-0.30	6-7	>570	240		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.75	Horz(TL)	0.05	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 176 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 4-7-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=4252/0-4-0, 5=4063/0-4-0
Max Horz 1=-38(load case 3)
Max Uplift1=-1534(load case 4), 5=-1465(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-6979/2524, 2-3=-5987/2191, 3-4=-6883/2518, 4-5=-8048/2914
BOT CHORD 1-8=-2043/5565, 7-8=-4253/11666, 7-9=-4253/11666, 6-9=-4253/11666, 5-6=-2311/6388
WEBS 2-8=-1402/3938, 3-8=-5884/2164, 3-7=-874/2546, 3-6=-4957/1825, 4-6=-1653/4628

JOINT STRESS INDEX
1 = 0.71, 2 = 0.95, 3 = 0.71, 4 = 0.95, 5 = 0.71, 6 = 0.71, 7 = 0.41 and 8 = 0.71

NOTES (13)
1) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2127 lb down and 776 lb up at 11-0-0, and 17 lb down and 12 lb up at 12-9-0, and 17 lb down and 12 lb up at 1-11-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
2) 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.
Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2127 lb down and 776 lb up at 11-0-0, and 17 lb down and 12 lb up at 12-9-0, and 17 lb down and 12 lb up at 1-11-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
3) 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.
4) Unbalanced roof live loads have been considered for this design.
5) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.
6) Provide adequate drainage to prevent water ponding.
7) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1534 lb uplift at joint 1 and 1465 lb uplift at joint 5.
10) Girder carries tie-in span(s): 32-6-0 from 0-0-0 to 11-0-0
11) Girder carries hip end with 1-11-0 right side setback, 1-11-0 left side setback, and 2-4-0 end setback.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2127 lb down and 776 lb up at 11-0-0, and 17 lb down and 12 lb up at 12-9-0, and 17 lb down and 12 lb up at 1-11-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
13) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54, 2-4=-55(F=-1), 4-5=-54, 1-8=-493(F=-483), 8-9=-493(F=-483), 6-9=-10(F=-0), 5-6=-10
Concentrated Loads (lb)
Vert: 8=-17(F) 6=-17(F) 9=-2127(F)

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	T23	COMMON	1	1	L273732045 Job Reference (optional)

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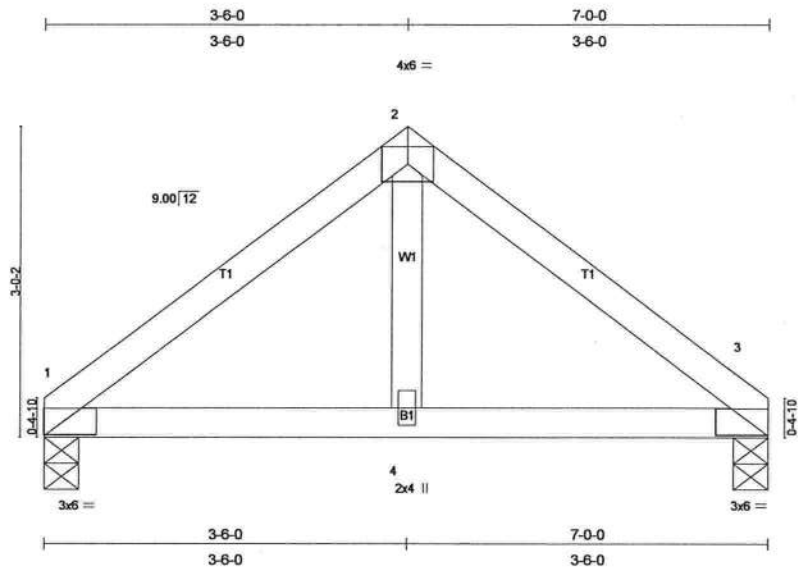

Plate Offsets (X,Y): [1:0-3-13,0-1-8], [3:0-3-13,0-1-8]

LOADING (psf)			SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0		Plates Increase	1.25	TC	0.09	Vert(LL)	-0.00	1-4	>999	360	MT20	244/190
TCDL	7.0		Lumber Increase	1.25	BC	0.08	Vert(TL)	-0.01	1-4	>999	240		
BCLL	10.0	*	Rep Stress Incr	NO	WB	0.04	Horz(TL)	0.00	3	n/a	n/a		
BCDL	5.0		Code FBC2004/TPI2002		(Matrix)							Weight: 28 lb	

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

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

REACTIONS (lb/size) 1=216/0-4-0, 3=216/0-4-0
Max Horz 1=-75(load case 3)
Max Uplift1=-43(load case 5), 3=-43(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-261/65, 2-3=-261/65
BOT CHORD 1-4=-20/165, 3-4=-20/165
WEBS 2-4=0/118

JOINT STRESS INDEX
1 = 0.27, 2 = 0.15, 3 = 0.27 and 4 = 0.09

NOTES (8)
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; Lumber DOL=1.60 plate grip DOL=1.60.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 43 lb uplift at joint 1 and 43 lb uplift at joint 3.
6) Girder carries tie-in span(s): 2-4-0 from 0-0-0 to 7-0-0
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
8) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54, 2-3=-54, 1-3=-11(F=-1)

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	T21	SPECIAL	1	1	L273732043
					Job Reference (optional)

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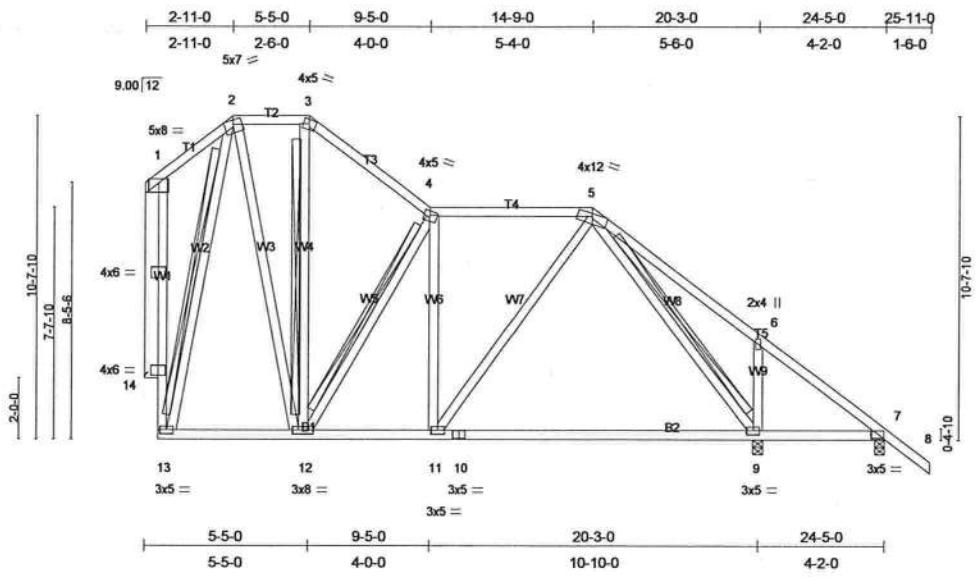

Plate Offsets (X,Y): [7:0-5-3,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.26	Vert(LL)	-0.23	9-11	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.49	Vert(TL)	-0.40	9-11	>585	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.53	Horz(TL)	0.01	14	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 208 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 6 SYP No.1D

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 2-3, 4-5.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 3-12, 4-12, 5-9, 2-13
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c. ,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 9=751/0-4-0, 7=226/0-4-0, 14=634/Mechanical
Max Horz 9=-348(load case 7)
Max Uplift9=-270(load case 7), 7=-98(load case 5), 14=-202(load case 7)
Max Grav 9=751(load case 1), 7=226(load case 11), 14=634(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-59/69, 2-3=-219/209, 3-4=-346/192, 4-5=-436/219, 5-6=-145/79, 6-7=-164/54, 7-8=0/49, 13-14=-275/547, 1-14=-88/88
BOT CHORD 12-13=-68/123, 11-12=-269/437, 10-11=-293/347, 9-10=-293/347, 7-9=-12/248
WEBS 2-12=-267/442, 3-12=-56/59, 4-12=-443/288, 4-11=-34/111, 5-11=-20/202, 5-9=-499/170, 6-9=-257/318, 2-13=-530/295

JOINT STRESS INDEX
1 = 0.16, 2 = 0.32, 3 = 0.35, 4 = 0.66, 5 = 0.62, 6 = 0.34, 7 = 0.64, 9 = 0.41, 10 = 0.52, 11 = 0.42, 12 = 0.61, 13 = 0.72, 14 = 0.00, 14 = 0.26 and 14 = 0.26

NOTES (8-9)
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 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) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 270 lb uplift at joint 9, 98 lb uplift at joint 7 and 202 lb uplift at joint 14.
7) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
8) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
9) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	T19	SPECIAL	1	1	L273732041
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jul 23 15:30:48 2008 Page 1

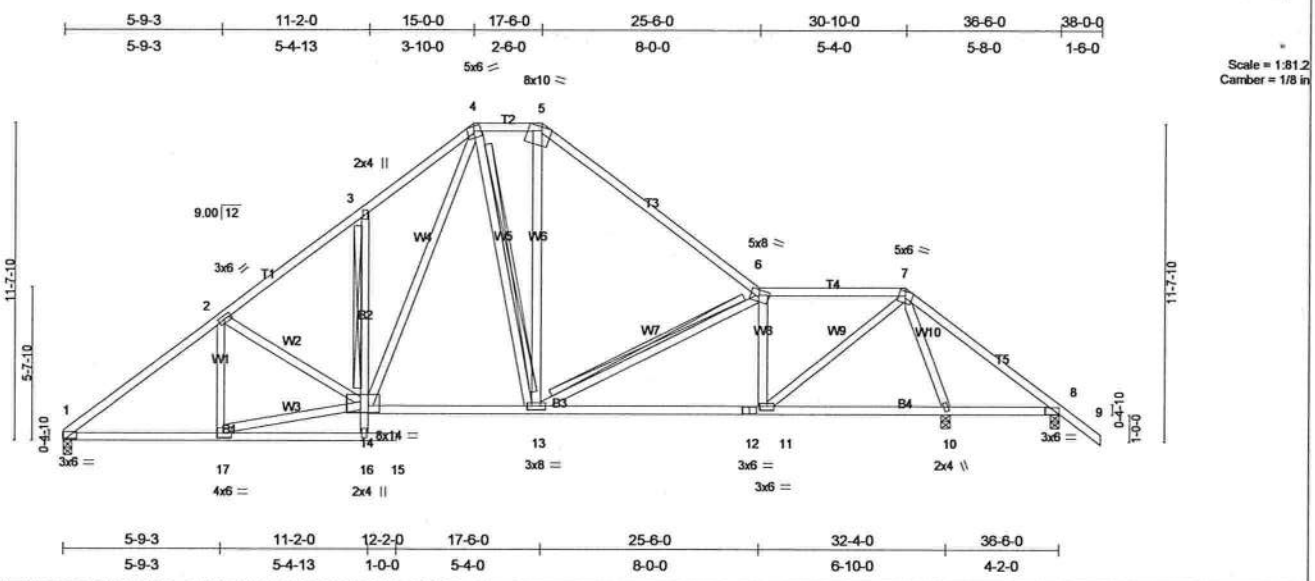

Plate Offsets (X,Y): [1:0-6-3,0-0-10], [5:0-3-14,Edge], [8:0-3-13,0-1-8], [14:0-4-11,0-2-15]

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) -0.10 11-13 >999 360	MT20 244/190
TCDL 7.0		Lumber Increase 1.25	BC 0.34	Vert(TL) -0.21 11-13 >999 240	
BCLL 10.0	*	Rep Stress Incr YES	WB 0.99	Horz(TL) 0.05 10 n/a n/a	
BCDL 5.0		Code FBC2004/TPI2002	(Matrix)		Weight: 240 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 5-0-8 oc purlins, except 2-0-0 oc purlins (5-8-5 max.): 4-5, 6-7.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
T-Brace: 2 X 4 SYP No.3 - 3-14
WEBS T-Brace: 2 X 4 SYP No.3 - 4-13, 6-13
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c. ,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 1=985/0-4-0, 10=1632/0-4-0, 8=-201/0-4-0
Max Horz 1=-308(load case 4)
Max Uplift1=-192(load case 6), 10=-327(load case 7), 8=-227(load case 10)
Max Grav 1=985(load case 1), 10=1632(load case 1), 8=5(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1445/655, 2-3=-1286/659, 3-4=-1274/850, 4-5=-747/580, 5-6=-1058/578, 6-7=-1018/594, 7-8=-295/788, 8-9=0/49
BOT CHORD 1-17=-388/1072, 16-17=-25/62, 15-16=0/0, 14-16=0/111, 3-14=-262/289, 13-14=-142/730, 12-13=-349/1044, 11-12=-349/1044, 10-11=-52/127, 8-10=-548/389
WEBS 2-17=-122/83, 14-17=-369/1028, 2-14=-169/214, 4-14=-460/630, 4-13=-218/239, 5-13=-135/286, 6-13=-378/328, 6-11=-777/446, 7-11=-601/1316, 7-10=-1641/775

JOINT STRESS INDEX
1 = 0.71, 2 = 0.44, 3 = 0.34, 4 = 0.34, 5 = 0.77, 6 = 0.91, 7 = 0.51, 8 = 0.65, 10 = 0.63, 11 = 0.79, 12 = 0.43, 13 = 0.61, 14 = 0.17, 16 = 0.62 and 17 = 0.47

NOTES (8)
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 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) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 192 lb uplift at joint 1, 327 lb uplift at joint 10 and 227 lb uplift at joint 8.
7) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
8) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	T17	SPECIAL	1	1	L273732039
					Job Reference (optional)

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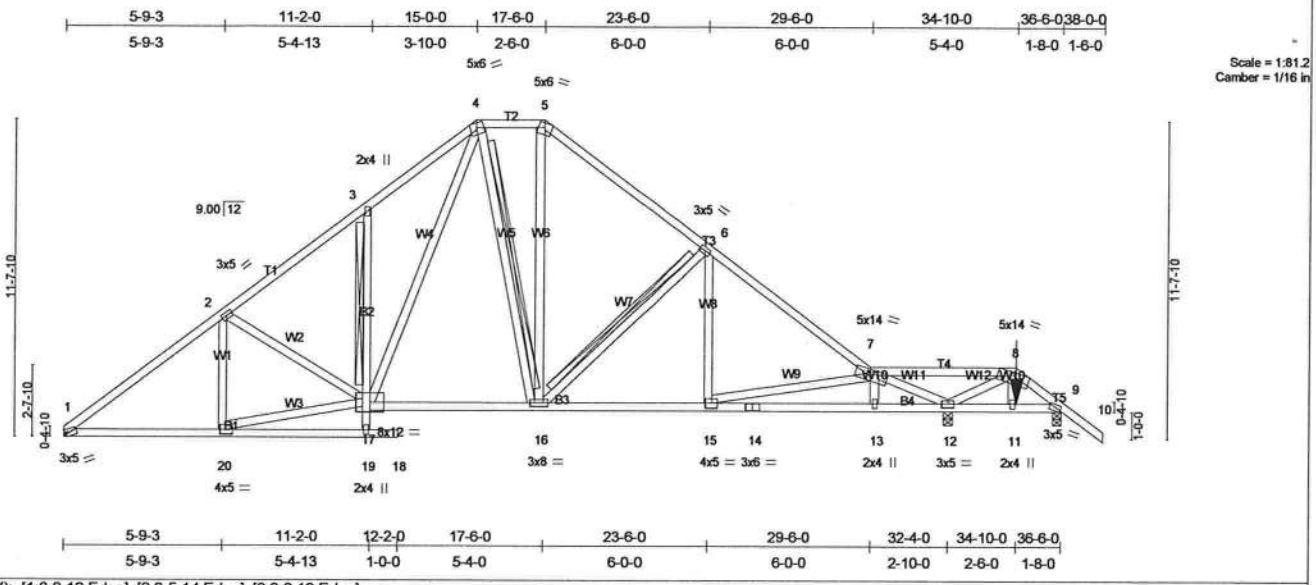

Plate Offsets (X,Y): [1:0-0-13,Edge], [8:0-5-14,Edge], [9:0-0-13,Edge]

LOADING (psf)		SPACING 2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plates Increase 1.25	TC 0.47	Vert(LL)	-0.08	18	>999	360	MT20	244/190
TCDL 7.0		Lumber Increase 1.25	BC 0.34	Vert(TL)	-0.16	16-17	>999	240		
BCLL 10.0	*	Rep Stress Incr NO	WB 0.64	Horz(TL)	0.06	12	n/a	n/a		
BCDL 5.0		Code FBC2004/TPI2002	(Matrix)						Weight: 245 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 5-0-10 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 4-5, 7-8.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 11-12,9-11.
T-Brace: 2 X 4 SYP No.3 - 3-17
WEBS T-Brace: 2 X 4 SYP No.3 - 4-16, 6-16
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c. ,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 1=978/Mechanical, 12=1691/0-4-0, 9=-233/0-4-0
Max Horz 1=-308(load case 3)
Max Uplift1=-192(load case 5), 12=-378(load case 6), 9=-233(load case 1)
Max Grav 1=978(load case 1), 12=1691(load case 1), 9=1(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1436/273, 2-3=-1275/292, 3-4=-1258/428, 4-5=-721/254, 5-6=-999/276, 6-7=-1266/241, 7-8=-260/1424, 8-9=-83/629, 9-10=0/49
BOT CHORD 1-20=-286/1066, 19-20=-20/52, 18-19=0/0, 17-19=0/110, 3-17=-254/195, 16-17=-118/721, 15-16=-94/939, 14-15=-102/790, 13-14=-102/790, 12-13=-97/789, 11-12=-424/136, 9-11=-414/135
WEBS 2-20=-122/74, 17-20=-270/1032, 2-17=-170/146, 4-17=-298/629, 4-16=-173/178, 5-16=-101/313, 6-16=-322/204, 6-15=0/163, 7-15=-6/181, 7-13=-7/116, 7-12=-2443/501, 8-12=-1132/250, 8-11=-92/12

JOINT STRESS INDEX
1 = 0.79, 2 = 0.52, 3 = 0.34, 4 = 0.33, 5 = 0.40, 6 = 0.52, 7 = 0.88, 8 = 0.78, 9 = 0.73, 11 = 0.34, 12 = 0.80, 13 = 0.34, 14 = 0.30, 15 = 0.32, 16 = 0.61, 17 = 0.28, 19 = 0.61 and 20 = 0.53

NOTES (11-12)
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; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 192 lb uplift at joint 1, 378 lb uplift at joint 12 and 233 lb uplift at joint 9.
7) Girder carries hip end with 1-8-0 right side setback, 29-6-0 left side setback, and 2-4-0 end setback.
8) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 15 lb down and 10 lb up at 34-10-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
12) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-5=-54, 5-7=-54, 7-8=-55(F=-1), 8-10=-54, 1-19=-10, 18-19=-10, 13-17=-10, 11-13=-10(F=-0), 9-11=-10
Concentrated Loads (lb)
Vert: 11=-15(F)

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	T15	SPECIAL	1	1	L273732037
					Job Reference (optional)

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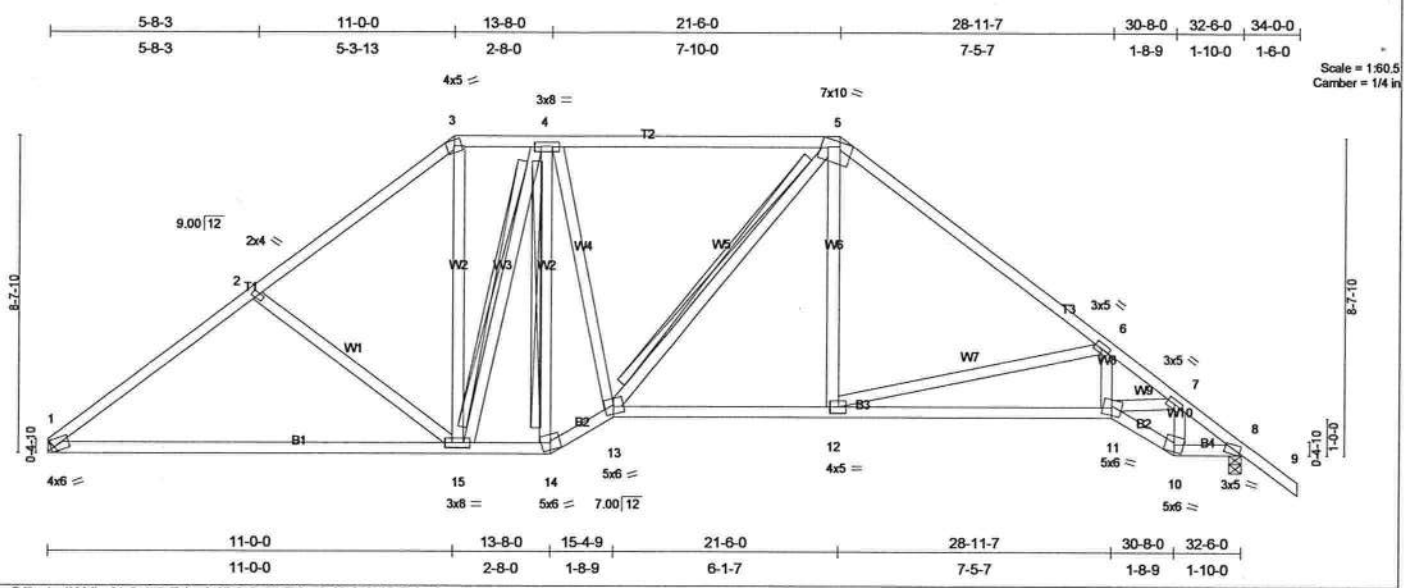

Plate Offsets (X,Y): [1:0-1-2,Edge], [5:0-3-14,Edge], [8:0-0-13,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.45	Vert(LL)	-0.29	1-15	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.67	Vert(TL)	-0.55	1-15	>706	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.82	Horz(TL)	0.12	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 208 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-10-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
9-8-1 oc bracing: 1-15
7-8-0 oc bracing: 11-12.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-15, 4-14, 5-13
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c. ,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 1=1028/Mechanical, 8=1122/0-4-0
Max Horz 1=-251(load case 4)
Max Uplift1=-188(load case 6), 8=-261(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1464/722, 2-3=-1233/675, 3-4=-915/616, 4-5=-1109/676, 5-6=-1418/686, 6-7=-2292/977, 7-8=-1434/604, 8-9=0/49
BOT CHORD 1-15=-402/1114, 14-15=-262/988, 13-14=-292/1129, 12-13=-225/1054, 11-12=-676/1820, 10-11=-325/1121, 8-10=-308/1025
WEBS 2-15=-266/281, 3-15=-268/529, 4-15=-380/266, 4-14=-570/116, 4-13=-70/533, 5-13=-155/205, 5-12=-72/361, 6-12=-794/465, 6-11=-51/497, 7-11=-397/908, 7-10=-574/182

JOINT STRESS INDEX
1 = 0.77, 2 = 0.34, 3 = 0.61, 4 = 0.62, 5 = 0.91, 6 = 0.52, 7 = 0.52, 8 = 0.77, 10 = 0.29, 11 = 0.69, 12 = 0.33, 13 = 0.37, 14 = 0.30 and 15 = 0.61

NOTES (7-8)
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 and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 188 lb uplift at joint 1 and 261 lb uplift at joint 8.
7) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
8) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ADAMS FRAMING - ROCCO
L273732	T13	SPECIAL	1	2	L273732035 Job Reference (optional)

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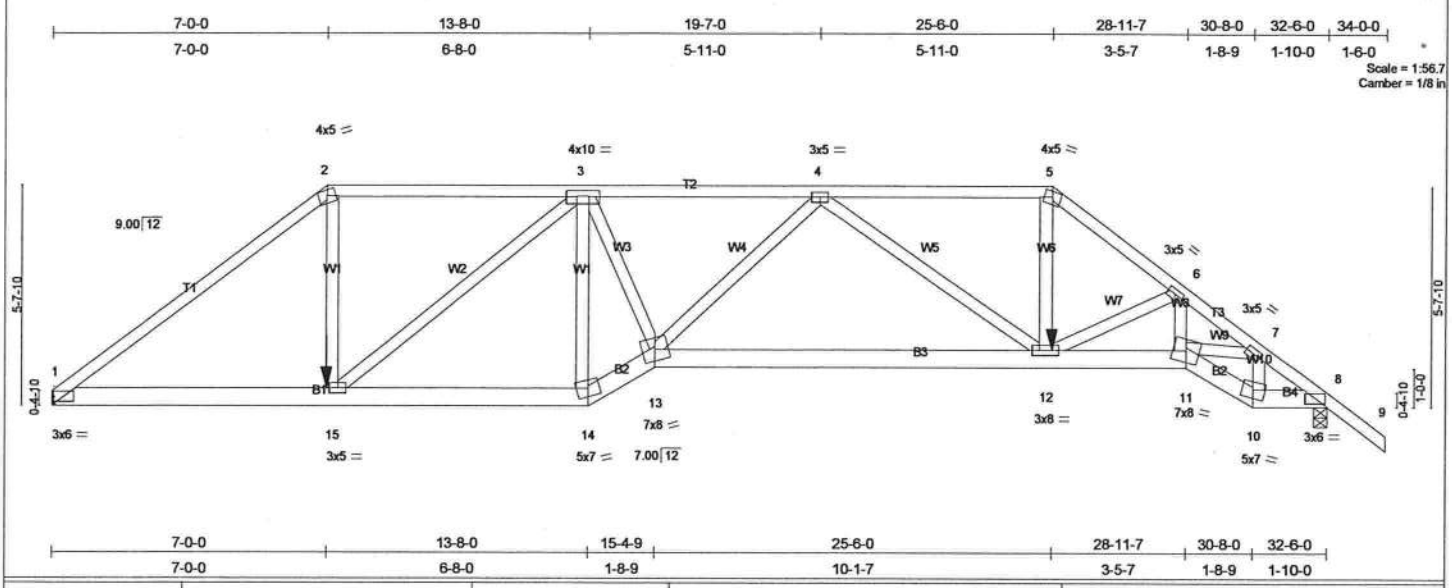

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	0.15	12-13	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.34	Vert(TL)	-0.27	12-13	>999	240		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.37	Horz(TL)	0.10	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 407 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 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 10-0-0 oc bracing.

REACTIONS (lb/size) 1=2127/Mechanical, 8=2223/0-4-0
Max Horz 1=-167(load case 3)
Max Uplift1=-1034(load case 4), 8=-1054(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-3308/1671, 2-3=-2592/1413, 3-4=-4436/2319, 4-5=-3223/1700, 5-6=-3952/2015, 6-7=-4908/2470, 7-8=-3244/1594, 8-9=0/51
BOT CHORD 1-15=-1378/2553, 14-15=-1945/3640, 13-14=-2147/4088, 12-13=-2300/4322, 11-12=-1848/3818, 10-11=-1261/2612, 8-10=-1191/2482
WEBS 2-15=-701/1379, 3-15=-1445/856, 3-14=-1815/993, 3-13=-955/2108, 4-13=-1/244, 4-12=-1421/903, 5-12=-880/1858, 6-12=-740/381, 6-11=-457/855, 7-11=-773/1560, 7-10=-1188/615

JOINT STRESS INDEX
1 = 0.76, 2 = 0.73, 3 = 0.79, 4 = 0.40, 5 = 0.65, 6 = 0.52, 7 = 0.52, 8 = 0.72, 10 = 0.30, 11 = 0.54, 12 = 0.57, 13 = 0.42, 14 = 0.51 and 15 = 0.52

NOTES (12-13)
1) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 411 lb down and 286 lb up at 25-6-0, and 411 lb down and 286 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
2) 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 6 - 2 rows at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 411 lb down and 286 lb up at 25-6-0, and 411 lb down and 286 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
3) 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.
4) Unbalanced roof live loads have been considered for this design.
5) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.
6) Provide adequate drainage to prevent water ponding.
7) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1034 lb uplift at joint 1 and 1054 lb uplift at joint 8.
10) Girder carries hip end with 7-0-0 end setback.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 411 lb down and 286 lb up at 25-6-0, and 411 lb down and 286 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
12) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
13) Use Simpson HGUS26-2 to attach Truss to Carrying member

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54, 2-5=-117(F=-63), 5-9=-54, 1-15=-10, 14-15=-22(F=-12), 13-14=-22(F=-12), 12-13=-22(F=-12), 11-12=-10, 10-11=-10, 8-10=-10
Concentrated Loads (lb)
Vert: 15=-411(F) 12=-411(F)

FEES:

ROAD IMPACT FEE $1,046.00 CODE 210 UNIT 1
10100003632400

EMS IMPACT FEE $29.88
10300003632210

FIRE PROTECTION IMPACT FEE $78.63
10200003632220

CORRECTIONS IMPACT FEE $409.16
00100003632200

SCHOOL IMPACT FEE $1,500.00
00100003632900

TOTAL FEES CHARGED $3,063.67 CHECK NUMBER 1519