DATE 03/06/2008

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000026825

APPLICANT MICHEAL CADY PHONE 386.755.6237

ADDRESS 300 SW SWEETBRIAR DRIVE LAKE CITY FL 32024

OWNER MICHAEL & LINDA CADY PHONE 386.755.6237

ADDRESS 300 SW SWEETBRIAR DRIVE LAKE CITY FL 32024

CONTRACTOR MICHAEL CADY PHONE 386.755.6237

LOCATION OF PROPERTY 47-S TO BRENTWOOD,TL TO HAMLET,TL TO PRISM LOOP,TL TO SWEETBRIAR,TL GO THRUGH GATE, 1ST. ON R.

TYPE DEVELOPMENT GARAGE/UTILITY ESTIMATED COST OF CONSTRUCTION 166950.00

HEATED FLOOR AREA 1534.00 TOTAL AREA HEIGHT 24.20 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6'12 FLOOR CONC

LAND USE & ZONING A-3 MAX. HEIGHT 35

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

NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 36-4S-16-03322-009 SUBDIVISION

LOT BLOCK PHASE UNIT TOTAL ACRES 2.22

Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor
			Michael Cady
EXISTING	08-0167	BLK	JTH	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: NOC ON FILE. NO IMPACT FEES. ACCESSORY USE.
DETACHED GARAGE.

Check # or Cash 657

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 $ 835.00 CERTIFICATION FEE $ 0.00 SURCHARGE FEE $ 0.00

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** 910.00

INSPECTORS OFFICE CLERKS OFFICE CH

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

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

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.

BOARD OF COUNTY COMMISSIONERS
OFFICE OF

BUILDING & ZONING

COLUMBIA COUNTY, FLORIDA

BUILDING PERMIT RECEIPT

RECEIPT NUMBER / PERMIT NUMBER 000028967 DATE 11/01/2010

APPLICANT MICHEAL CADY

OWNER MICHAEL & LINDA CADY

CONTRACTOR MICHAEL CADY

PARCEL ID NUMBER 36-4S-16-03322-009 NUMBER OF EXISTING DWELLINGS 1

TYPE OF DEVELOPMENT RENEW PERMIT 26825

COMMENTS: ACCESSAORY BUILDING
COMPLETION OF GARAGE PERMIT # 26825

FEES:

BUILDING PERMIT	0.00	CERTIFICATION FEE	0.00
ZONING FEE		SURCHARGE FEE	0.00
FLOOD ZONE FEE		FLOOD DEVELOPMENT PERMIT	
MOBILE HOME PERMIT		RELOCATION PERMIT	
TRAVEL TRAILER PERMIT		RECONNECTION PERMIT	
UTILITY POLE PERMIT		WASTE ASSESSMENT FEE	
FIRE FEE (5 ACRES OR LESS)		CULVERT PERMIT	
FIRE FEE (MORE THAN 5 ACRES)		RENEW PERMIT	208.75

CHECK NUMBER 1063

TOTAL FEES CHARGES 208.75

MAKE CHECKS PAYABLE TO: BCC (Board of County Commissioners)

NOTE: A SEPARATE CHECK IS REQUIRED FOR THE CULVERT WAIVER PERMITS

135 NE HERNANDO AVE.
SUITE B-21
LAKE CITY, FL 32055
Phone: 386-758-1008
Fax: 386-758-2160

28967

Columbia County Building Permit Application

For Office Use Only Application # 0802-24 Date Received 2/20 By JW Permit # 26825

Zoning Official BLK Date 03.03.08 Flood Zone X FEMA Map # N/A Zoning A-3

Land Use A-3 Elevation N/A MFE N/A River N/A Plans Examiner OKAY Date 3-21-08

Comments "DETACHED GARAGE" No Impact Fees Accessory use

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

□ Dev Permit # □ In Floodway □ Letter of Authorization from Contractor SHARING WELL

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

Septic Permit No. 08-0167 Fax 752-2282

Name Authorized Person Signing Permit MICHAEL CADY Phone 752-2281

Address 387 SW Kemp Ct Lake City FL 32024

Owners Name MICHAEL CADY Phone 755-6237

911 Address existing 300 SW SWEETBRIAR DRIVE, L.C. 32024

Contractors Name SAME AS ABOVE Phon

Address

Fee Simple Owner Name & Address

Bonding Co. Name & Address

Architect/Engineer Name & Address Will Myers Nick Geisler

Mortgage Lenders Name & Address N A

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

36-4S-16-03322-009

Property ID Number R0 3322-009 Estimated Cost of Construction 125K

Subdivision Name Lot Block Unit Phase

Driving Directions 475, L on Brentwood, L on Hamlet, L on Prism, L on Sweetbriar, follow around to end on right

Number of Existing Dwellings on Property 1

Construction of ~~DETACHED~~ ~~office with~~ garage ~~with~~ ~~ceiling area~~ Total Acreage 2.22 Lot Size 2.22

Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 24'-2"

Actual Distance of Structure from Property Lines - Front ~~210.94~~ Side ~~158'-4"~~ Side ~~39'-8"~~ Rear ~~33'-5"~~

Number of Stories 2 Heated Floor Area 1534 (Living Area) Total Floor Area ~~1534~~ 3,339 (Garage Breezway) Roof Pitch 6-12

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.

Spoke to Linda 3/4/08

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCMENT MAY RESULT IN 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, the 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 other 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 lot 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 CERTIFICATION: 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.

Michael Cody - owner builder
Owners Signature

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.

Contractor's Signature (Permitee)

Contractor's License Number__________
Columbia County Competency Card Number__________

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 2 **day of** Feb **20**08.
Personally known ✓ **or Produced Identification**__________

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

NOTARY PUBLIC STATE OF FLORIDA
Linda R. Roder
Commission #DD303275
Expires: Mar 24, 2008
Bonded Thru
Atlantic Bonding Co., Inc.

Revised 11-30-07

Cal-Tech Testing, Inc.

• Engineering
• Geotechnical
• Environmental
Laboratories

P.O. Box 1625 • Lake City, FL 32056-1625 • Tel(386)755-3633 • Fax(386)752-5456
4784 Rosselle St., Jacksonville, FL 32254 • Tel(904)381-8901 • Fax(904)381-8902
2230 Greensboro Hwy • Quincy, FL 32351 • Tel(850)442-3495 • Fax(850)442-4008

REPORT OF IN-PLACE DENSITY TEST

JOB NO.: 08-00217
DATE TESTED: 4/11/08
DATE REPORTED: 4/18/08

PROJECT:	Cady Residence
CLIENT:	Mike Cady, PO Box 889, Lake City, FL 32056
GENERAL CONTRACTOR:	Mike Cady
EARTHWORK CONTRACTOR:	Mike Cady
INSPECTOR:	Shane Osteen

ASTM METHOD	SOIL USE
(D-2922) Nuclear	SUBGRADE/NATURAL SOIL

SPECIFIED REQUIREMENTS: 95%

TEST NO.		TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft^3)	MOISTURE PERCENT	DRY DENSITY (lb/ft^3)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
1		20' from East Wall 10' from North Wall	0-12"	106.3	5.2	101.0	1	106.2	95%
2		8' from East Wall 8' from South Wall	0-12"	106.9	5.6	101.2	1	106.2	95%
3		10'from West Wall 8' from North Wall	0-12"	106.7	5.7	100.9	1	106.2	95%
4		5' from West Wall 10' from South Wall	0-12"	106.2	5.0	101.1	1	106.2	95%

REMARKS: The Above Tests Meet Specification Requirements.

PROCTORS

PROCTOR NO.		SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft^3)	OPT. MOIST.	TYPE
1		Light Tan Sand	106.2	12.7	MODIFIED (ASTM D-1557)

Respectfully Submitted,
CAL-TECH TESTING, INC.

Linda Creamer, CEO, DBE

Linda M. Creamer
President - CEO

Reviewed By:

Date: 4/21/08
Licensed, Florida No: 57842

The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in accordance with generally accepted methods and standards. Since material conditions can vary between test locations and change with time, sound judgement should be exercised with regard to the use and interpretation of the data.

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number R0 3322-009

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this **NOTICE OF COMMENCEMENT.**

1. Description of property *(legal description)*: 36-45-16 0/00/0100
   a) Street *(job)* Address: 300 SW Sweet Briar Drive
2. General description of improvements: garage
3. Owner Information
   a) Name and address: Michael Cady / PO Box 889 / Lake City, FL 32056
   b) Name and address of fee simple titleholder (if other than owner) _____
   c) Interest in property owner
4. Contractor Information
   a) Name and address: JJM Construction PO Box 1796 Lake City, FL 32056
   b) Telephone No: (386) 752-1805 Fax No. (Opt.) _____
5. Surety Information
   a) Name and address _____
   b) Amount of Bond: _____
   c) Telephone No.: _____
6. Lender None
   a) Name and address: _____
   b) Phone No. _____

Inst:200812003401 Date:2/20/2008 Time:12:19 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 1

7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
   a) Name and address: NA
   b) Telephone No.: _____ Fax No. (Opt.) _____

8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes:
   a) Name and address: NA
   b) Telephone No. _____ Fax No. (Opt.) _____

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

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR 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 YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

STATE OF FLORIDA
COUNTY OF COLUMBIA

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

10. Michael Cady
Signature of Owner or Owner's Authorized Office/Director/Partner/Manager

Michael Cady
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 8 day of Feb, 20 08 by:

Linda Roder as Notary **(type of authority, e.g. officer, trustee, attorney fact) for** Mike Cady **(name of party on behalf of whom instrument was executed).**

Personally Known V OR Produced Identification ____ Type _____

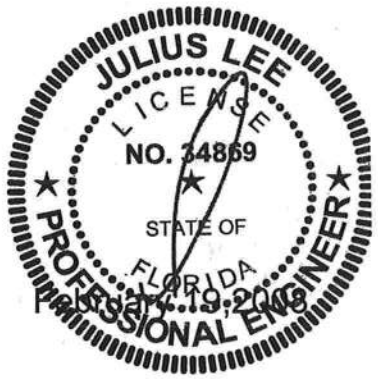
Notary Signature Linda Roder Notary Stamp or Seal:

---AND---

11. Verification pursuant to Section 92.525, Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

Signature of Natural Person Signing (in line #10 above.)

Builders FirstSource



Project Information for: **L266887F**

...	...
Address:	300 Southwest Sweetbryer Drive
...	Lake City, FL
County:	Columbia
Truss Count:	16
Design Program:	MiTek 20/20 6.3
Building Code:	FBC2004/TPI2002

Truss Design Load Information:

Gravity:	**Wind:**	
Roof (psf): N/A	Wind Standard: N/A	Wind Exposure: N/A
Floor (psf): 55.0	Wind Speed (mph): N/A	

Note: See the individual truss drawings for special loading conditions.

Engineer of Record: Unknown at time of Seal Date
Address: Unknown at time of Seal Date

Truss Design Engineer: Julius Lee, PE Florida P.E. License No. 34869
Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1-2002 Section 2.2
2. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.
3. The Truss Design Engineer's responsibility relative to this structure consists solely of the design of the individual truss components and does not include the design of any additional structural elements including but not limited to continuous lateral bracing elelments in the web and chord planes. See Florida Administrative Code 61G15-31.003 sections 3 c) & 5 and Chapter 2 of the National Design Standard for Metal Plate Connected Wood Truss Construction ANSI/TPI 1-2002 for additional information on the responsibilities of the delegated "Truss Design Engineer". Builders FirstSource and Julius Lee, PE do not accept any additional delegations beyond the scope of work described in the referenced documents above.

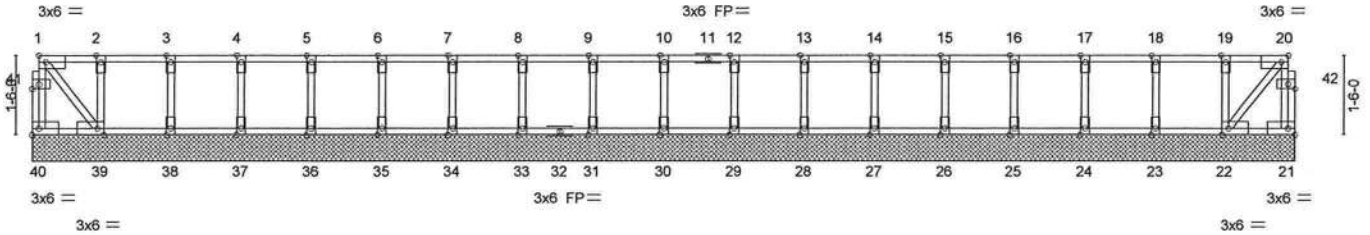
No.	Drwg. #	Truss ID	Seal Date
1	J1936277	F01	2/19/08
2	J1936278	F02	2/19/08
3	J1936279	F03	2/19/08
4	J1936280	F04	2/19/08
5	J1936281	F05	2/19/08
6	J1936282	F06	2/19/08
7	J1936283	F07	2/19/08
8	J1936284	F08	2/19/08
9	J1936285	F09	2/19/08
10	J1936286	F10	2/19/08
11	J1936287	F11	2/19/08
12	J1936288	F12	2/19/08
13	J1936289	F13	2/19/08
14	J1936290	F14	2/19/08
15	J1936291	F15	2/19/08
16	J1936292	F16	2/19/08

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY / FLOOR J1936277
L266887F	F01	GABLE	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Feb 15 13:17:44 2008 Page 1

0-1-8 0-1-8

Scale = 1:41.2



1-3-8	2-7-8	3-11-8	5-3-8	6-7-8	7-11-8	9-3-8	10-7-8	11-11-8	13-3-8	14-7-8	15-11-8	17-3-8	18-7-8	19-11-8	21-3-8	22-7-8	23-11-0
1-3-8	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-3-8

Plate Offsets (X,Y): [20:0-1-8,Edge], [22:0-1-8,Edge], [39:0-1-8,Edge], [41:0-1-8,0-1-0], [42:0-1-8,0-1-0]

LOADING (psf)		SPACING	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.02	Horz(TL)	-0.00	22	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 114 lb	

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 10-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing , Except: 10-0-0 oc bracing: 39-40,21-22.

REACTIONS (lb/size) 40=34/23-11-0, 21=34/23-11-0, 30=117/23-11-0, 31=117/23-11-0, 33=117/23-11-0, 34=117/23-11-0, 35=117/23-11-0, 36=117/23-11-0, 37=117/23-11-0, 38=117/23-11-0, 39=122/23-11-0, 29=117/23-11-0, 28=117/23-11-0, 27=117/23-11-0, 26=117/23-11-0, 25=117/23-11-0, 24=117/23-11-0, 23=117/23-11-0, 22=122/23-11-0

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	40-41=-31/0, 1-41=-30/0, 21-42=-31/0, 20-42=-30/0, 1-2=0/1, 2-3=0/1, 3-4=0/1, 4-5=0/1, 5-6=0/1, 6-7=0/1, 7-8=0/1, 8-9=0/1, 9-10=0/1, 10-11=0/1, 11-12=0/1, 12-13=0/1, 13-14=0/1, 14-15=0/1, 15-16=0/1, 16-17=0/1, 17-18=0/1, 18-19=0/1, 19-20=0/1
BOT CHORD	39-40=0/1, 38-39=-1/0, 37-38=-1/0, 36-37=-1/0, 35-36=-1/0, 34-35=-1/0, 33-34=-1/0 , 32-33=-1/0, 31-32=-1/0, 30-31=-1/0, 29-30=-1/0, 28-29=-1/0, 27-28=-1/0, 26-27=-1/0, 25-26=-1/0, 24-25=-1/0, 23-24=-1/0, 22-23=-1/0, 21-22=0/1
WEBS	10-30=-107/0, 9-31=-107/0, 8-33=-107/0, 7-34=-107/0, 6-35=-107/0, 5-36=-107/0, 4-37=-107/0, 3-38=-107/0, 2-39=-108/0, 12-29=-107/0, 13-28=-107/0, 14-27=-107/0, 15-26=-107/0, 16-25=-107/0, 17-24=-107/0, 18-23=-107/0, 19-22=-108/0, 1-39=-4/0, 20-22=-4/0

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Corsicail Bay Blvd
Boynton Beach, FL 33435

February 19,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY / FLOOR J1936277
L266887F	F01	GABLE	1	1	Job Reference (optional)

JOINT STRESS INDEX

1 = 0.64, 2 = 0.47, 3 = 0.47, 4 = 0.47, 5 = 0.47, 6 = 0.47, 7 = 0.47, 8 = 0.47, 9 = 0.47, 10 = 0.47, 11 = 0.13, 12 = 0.47, 13 = 0.47, 14 = 0.47, 15 = 0.47, 16 = 0.47, 17 = 0.47, 18 = 0.47, 19 = 0.47, 20 = 0.64, 21 = 0.64, 22 = 0.64, 23 = 0.47, 24 = 0.47, 25 = 0.47, 26 = 0.47, 27 = 0.47, 28 = 0.47, 29 = 0.47, 30 = 0.47, 31 = 0.47, 32 = 0.13, 33 = 0.47, 34 = 0.47, 35 = 0.47, 36 = 0.47, 37 = 0.47, 38 = 0.47, 39 = 0.64, 40 = 0.64, 41 = 0.00, 41 = 0.47, 42 = 0.00 and 42 = 0.47

NOTES

1) All plates are 2x4 MT20 unless otherwise indicated.
2) The following joint(s) require plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection: 11 and 32.
3) Gable requires continuous bottom chord bearing.
4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
5) Gable studs spaced at 1-4-0 oc.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1303 Coastal Bay Blvd
Boynton Beach, FL 33435

February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY / FLOOR J1936278
L266887F	F02	FLOOR	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 19 10:14:24 2008 Page 1

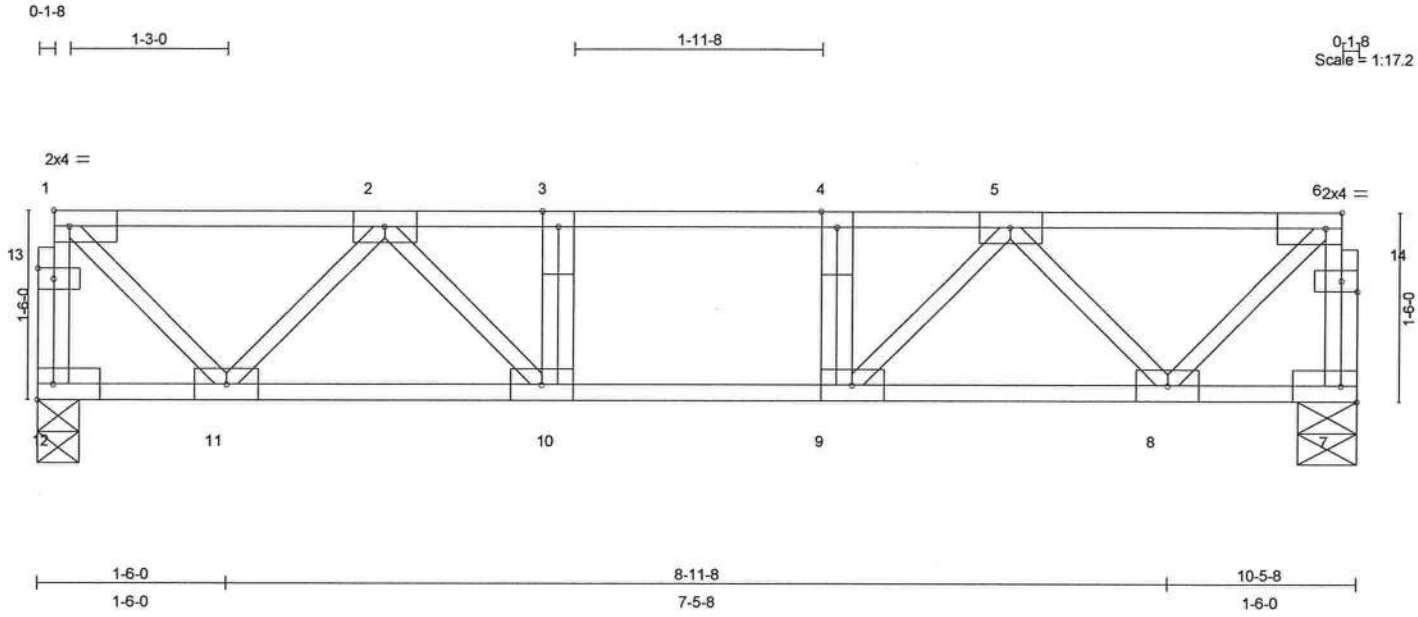


Plate Offsets (X,Y): [6:0-1-8,Edge], [13:0-1-8,0-1-0], [14:0-1-8,0-1-0]

LOADING (psf)		SPACING	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.26	Vert(LL)	-0.04	8-9	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.26	Vert(TL)	-0.05	10-11	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.20	Horz(TL)	0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 61 lb	

LUMBER
TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.2
WEBS 4 X 2 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) 12=444/0-4-0, 7=444/0-5-8

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 12-13=-441/0, 1-13=-440/0, 7-14=-441/0, 6-14=-440/0, 1-2=-359/0, 2-3=-810/0, 3-4=-810/0, 4-5=-810/0, 5-6=-359/0
BOT CHORD 11-12=0/20, 10-11=0/665, 9-10=0/810, 8-9=0/665, 7-8=0/20
WEBS 6-8=0/491, 1-11=0/491, 5-8=-455/0, 2-11=-455/0, 5-9=0/310, 2-10=0/310, 3-10=-168/0, 4-9=-168/0

JOINT STRESS INDEX
1 = 0.57, 2 = 0.37, 3 = 0.07, 4 = 0.07, 5 = 0.37, 6 = 0.57, 7 = 0.35, 8 = 0.58, 9 = 0.37, 10 = 0.37, 11 = 0.58, 12 = 0.35, 13 = 0.00, 13 = 0.00, 14 = 0.00 and 14 = 0.00

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x6 MT20 unless otherwise indicated.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

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LOAD CASE(S) Standard

February 19,2008

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February 19,2008

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY / FLOOR J1936279
L266887F	F03	FLOOR	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 19 10:15:06 2008 Page 1

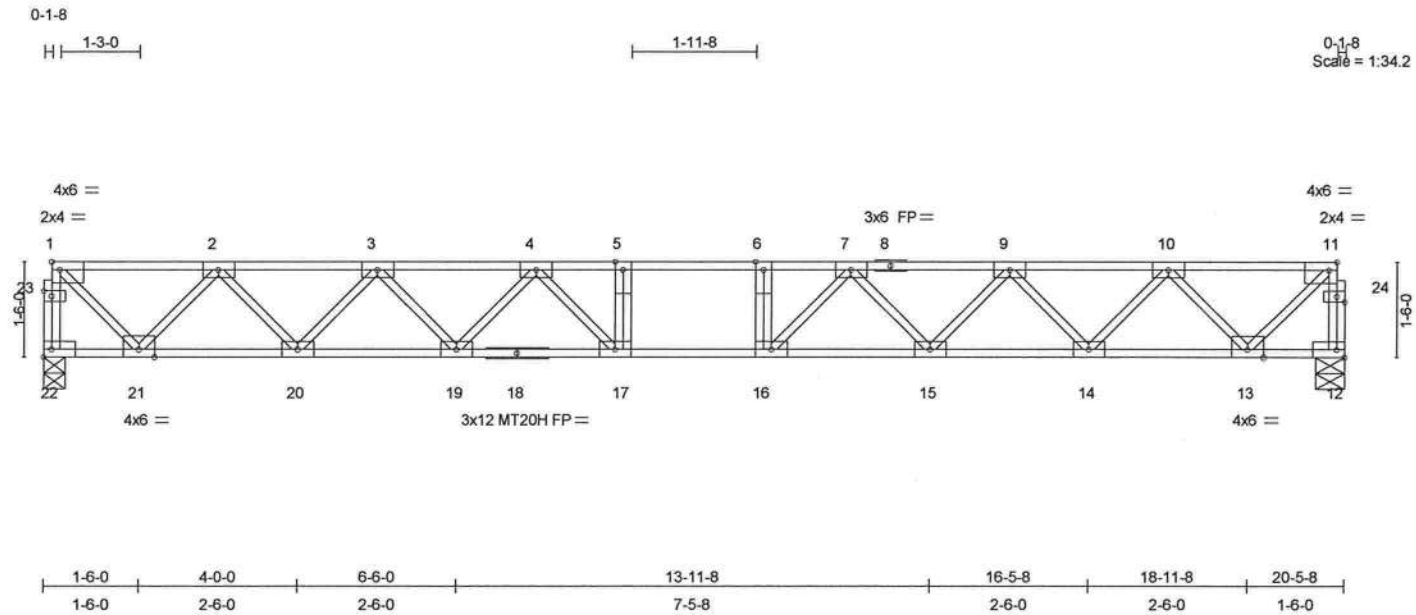

Plate Offsets (X,Y): [1:Edge,0-1-8], [11:0-1-8,Edge], [23:0-1-8,0-1-0], [24:0-1-8,0-1-0]

LOADING (psf)		SPACING	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.55	Vert(LL)	-0.23	16-17	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.80	Vert(TL)	-0.35	16-17	>687	240	MT20H	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.44	Horz(TL)	0.07	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 112 lb	

LUMBER

TOP CHORD	4 X 2 SYP No.2
BOT CHORD	4 X 2 SYP No.2
WEBS	4 X 2 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) 22=884/0-4-0, 12=884/0-5-8

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	22-23=-880/0, 1-23=-879/0, 12-24=-880/0, 11-24=-879/0, 1-2=-800/0, 2-3=-2010/0, 3-4=-2796/0, 4-5=-3237/0, 5-6=-3237/0, 6-7=-3237/0, 7-8=-2796/0, 8-9=-2796/0, 9-10=-2010/0, 10-11=-800/0
BOT CHORD	21-22=0/40, 20-21=0/1508, 19-20=0/2494, 18-19=0/3079, 17-18=0/3079, 16-17=0/3237, 15-16=0/3079, 14-15=0/2494, 13-14=0/1508, 12-13=0/40
WEBS	11-13=0/1100, 1-21=0/1100, 10-13=-1053/0, 2-21=-1053/0, 10-14=0/746, 2-20=0/746, 9-14=-719/0, 3-20=-719/0, 9-15=0/449, 3-19=0/449, 7-15=-421/0, 4-19=-421/0, 7-16=-99/510, 4-17=-99/510, 5-17=-261/7, 6-16=-261/7

JOINT STRESS INDEX

1 = 0.71, 2 = 0.88, 3 = 0.56, 4 = 0.60, 5 = 0.32, 6 = 0.32, 7 = 0.60, 8 = 0.36, 9 = 0.56, 10 = 0.88, 11 = 0.71, 12 = 0.69, 13 = 0.74, 14 = 0.88, 15 = 0.56, 16 = 0.66, 17 = 0.66, 18 = 0.62, 19 = 0.56, 20 = 0.88, 21 = 0.74, 22 = 0.69, 23 = 0.00, 23 = 0.49, 24 = 0.00 and 24 = 0.49

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 3x6 MT20 unless otherwise indicated.
4) The following joint(s) require plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection: 18 and 8.

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February 19,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY / FLOOR
L266887F	F03	FLOOR	2	1	J1936279
					Job Reference (optional)

NOTES

5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

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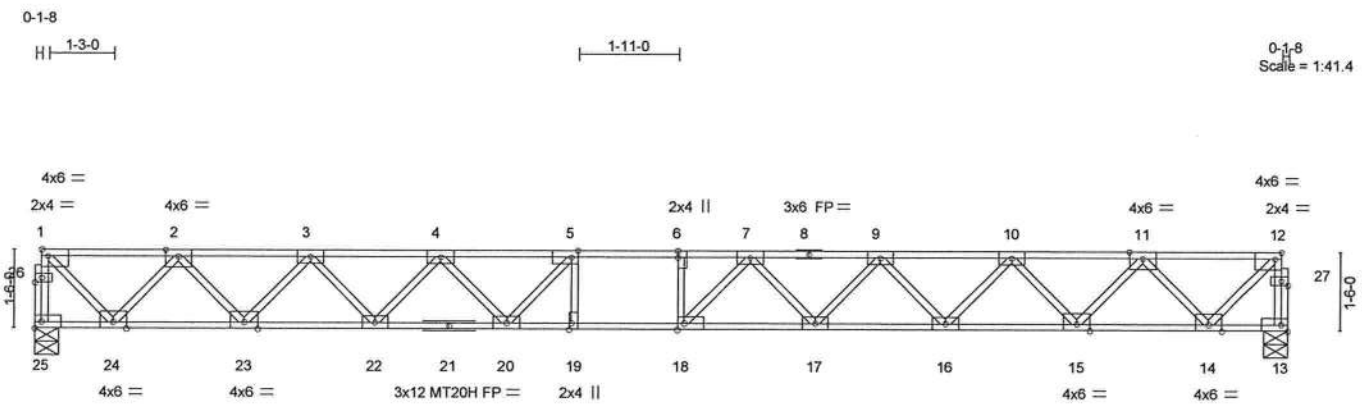
February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY / FLOOR
L266887F	F04	FLOOR	18	1	J1936280
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Feb 15 13:17:47 2008 Page 1



1-6-0	4-0-0	6-6-0	9-0-0	14-11-0	17-5-0	19-11-0	22-5-0	23-11-0
1-6-0	2-6-0	2-6-0	2-6-0	5-11-0	2-6-0	2-6-0	2-6-0	1-6-0

Plate Offsets (X,Y): [1:Edge,0-1-8], [5:0-1-8,Edge], [6:0-1-8,0-0-0], [12:0-1-8,Edge], [18:0-1-8,Edge], [19:0-1-8,Edge], [26:0-1-8,0-1-0], [27:0-1-8,0-1-0]

LOADING (psf)		SPACING	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.59	Vert(LL)	-0.41	18	>689	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.92	Vert(TL)	-0.65	17-18	>439	240	MT20H	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.53	Horz(TL)	0.10	13	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 126 lb	

LUMBER
TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.2 *Except* 13-21 4 X 2 SYP No.1D
WEBS 4 X 2 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-11-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 19-20,18-19.

REACTIONS (lb/size) 25=1036/0-5-8, 13=1036/0-5-8

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 25-26=-1032/0, 1-26=-1031/0, 13-27=-1031/0, 12-27=-1030/0, 1-2=-952/0, 2-3=-2437/0, 3-4=-3502/0, 4-5=-4172/0, 5-6=-4441/0, 6-7=-4441/0, 7-8=-4176/0, 8-9=-4176/0, 9-10=-3501/0, 10-11=-2437/0, 11-12=-951/0
BOT CHORD 24-25=0/47, 23-24=0/1798, 22-23=0/3057, 21-22=0/3926, 20-21=0/3926, 19-20=0/4441, 18-19=0/4441, 17-18=0/4390, 16-17=0/3932, 15-16=0/3055, 14-15=0/1799, 13-14=0/47
WEBS 12-14=0/1310, 1-24=0/1310, 11-14=-1259/0, 2-24=-1259/0, 11-15=0/949, 2-23=0/949, 10-15=-920/0, 3-23=-923/0, 10-16=0/663, 3-22=0/662, 9-16=-641/0, 4-22=-630/0, 9-17=0/362, 4-20=0/488, 7-17=-385/0, 5-20=-637/38, 7-18=-263/461, 5-19=-131/220, 6-18=-212/59

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JOINT STRESS INDEX
1 = 0.82, 2 = 0.62, 3 = 0.76, 4 = 0.56, 5 = 0.64, 6 = 0.47, 7 = 0.55, 8 = 0.53, 9 = 0.55, 10 = 0.76, 11 = 0.62, 12 = 0.82, 13 = 0.79, 14 = 0.85, 15 = 0.62, 16 = 0.76, 17 = 0.55, 18 = 0.64, 19 = 0.47, 20 = 0.56, 21 = 0.77, 22 = 0.76, 23 = 0.62, 24 = 0.85, 25 = 0.79, 26 = 0.00, 26 = 0.47, 27 = 0.00 and 27 = 0.47

Continued on page 2

February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY / FLOOR J1936280
L266887F	F04	FLOOR	18	1	Job Reference (optional)

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 3x6 MT20 unless otherwise indicated.
4) The following joint(s) require plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection: 21 and 8.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

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February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY / FLOOR J1936281
L266887F	F05	GABLE	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Feb 15 13:17:48 2008 Page 1

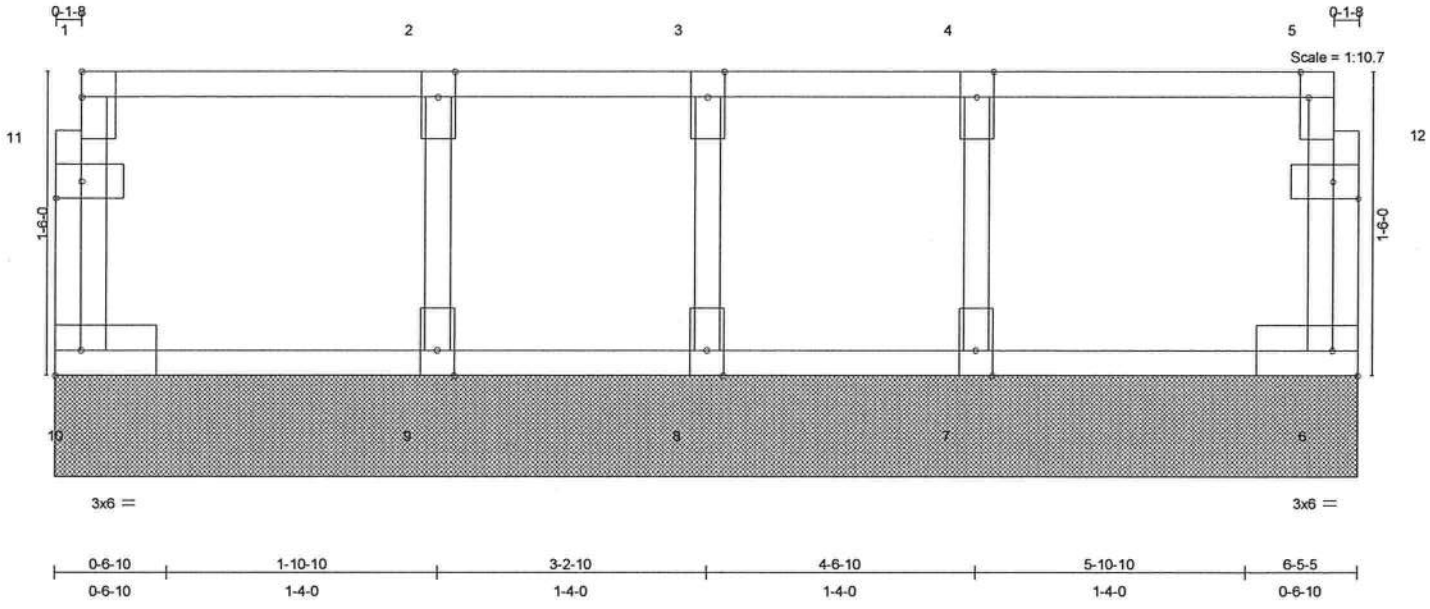

Plate Offsets (X,Y): [5:0-1-8,Edge], [11:0-1-8,0-1-0], [12:0-1-8,0-1-0]

LOADING (psf)		SPACING	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(TL)	0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 31 lb	

LUMBER

TOP CHORD	4 X 2 SYP No.2
BOT CHORD	4 X 2 SYP No.2
WEBS	4 X 2 SYP No.3
OTHERS	4 X 2 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=73/6-5-5, 6=73/6-5-5, 8=103/6-5-5, 9=143/6-5-5, 7=143/6-5-5

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	10-11=-65/0, 1-11=-65/0, 6-12=-65/0, 5-12=-65/0, 1-2=-15/0, 2-3=-15/0, 3-4=-15/0, 4-5=-15/0
BOT CHORD	9-10=0/15, 8-9=0/15, 7-8=0/15, 6-7=0/15
WEBS	3-8=-92/0, 2-9=-132/0, 4-7=-132/0

JOINT STRESS INDEX

1 = 0.22, 2 = 0.08, 3 = 0.06, 4 = 0.08, 5 = 0.22, 6 = 0.09, 7 = 0.08, 8 = 0.06, 9 = 0.08, 10 = 0.09, 11 = 0.00, 11 = 0.00, 12 = 0.00 and 12 = 0.00

NOTES

1) All plates are 2x4 MT20 unless otherwise indicated.
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
3) Gable studs spaced at 1-4-0 oc.
4) Non Standard bearing condition. Review required.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

Continued on page 2

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February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY / FLOOR J1936281
L266887F	F05	GABLE	1	1	Job Reference (optional)

LOAD CASE(S) Standard

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February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY / FLOOR J1936282
L266887F	F06	FLOOR	1	1	Job Reference (optional)

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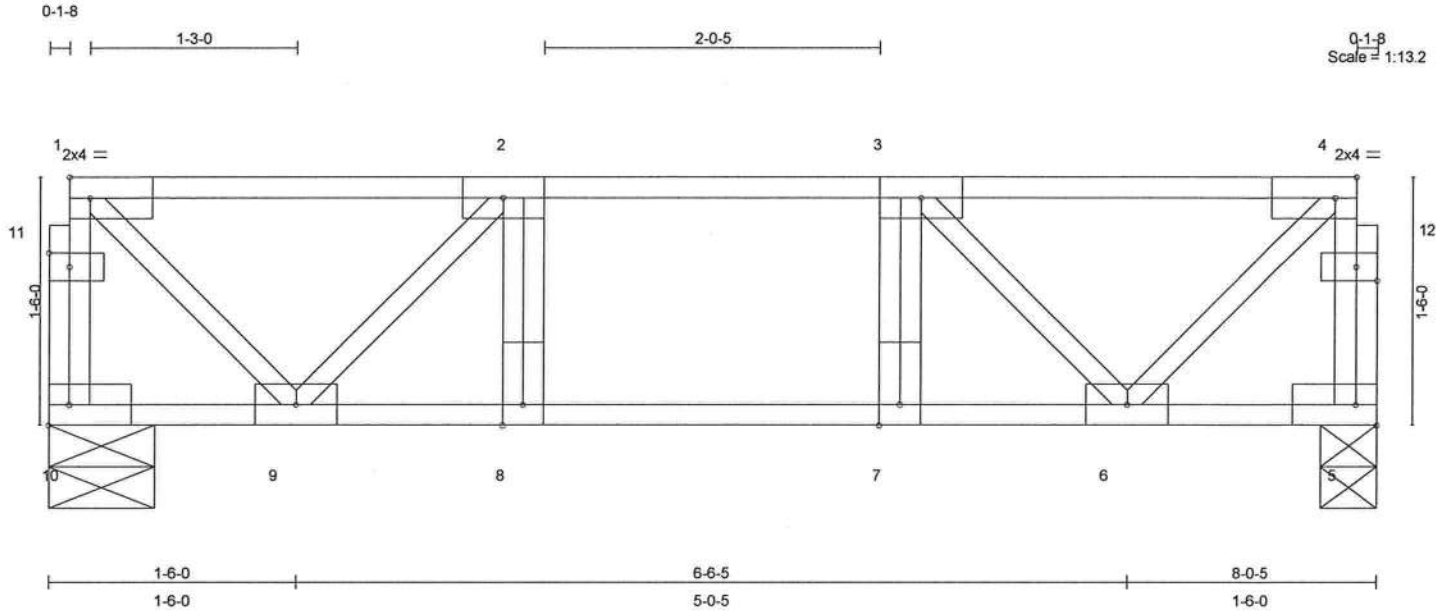

Plate Offsets (X,Y): [4:0-1-8,Edge], [11:0-1-8,0-1-0], [12:0-1-8,0-1-0]

LOADING (psf)		SPACING	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.27	Vert(LL)	-0.03	7	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.26	Vert(TL)	-0.03	8	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.13	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 48 lb	

LUMBER

TOP CHORD	4 X 2 SYP No.2
BOT CHORD	4 X 2 SYP No.2
WEBS	4 X 2 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=337/0-7-12, 5=337/0-4-0

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	10-11=-332/0, 1-11=-332/0, 5-12=-332/0, 4-12=-332/0, 1-2=-247/0, 2-3=-479/0, 3-4=-247/0
BOT CHORD	9-10=0/15, 8-9=0/479, 7-8=0/479, 6-7=0/479, 5-6=0/15
WEBS	4-6=0/336, 1-9=0/336, 3-6=-328/0, 2-9=-328/0, 2-8=-46/76, 3-7=-46/76

JOINT STRESS INDEX

1 = 0.39, 2 = 0.19, 3 = 0.19, 4 = 0.39, 5 = 0.26, 6 = 0.40, 7 = 0.07, 8 = 0.07, 9 = 0.40, 10 = 0.26, 11 = 0.00, 11 = 0.00, 12 = 0.00 and 12 = 0.00

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x6 MT20 unless otherwise indicated.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

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February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY / FLOOR
L266887F	F07	FLOOR	1	1	J1936283
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Feb 15 13:17:49 2008 Page 1

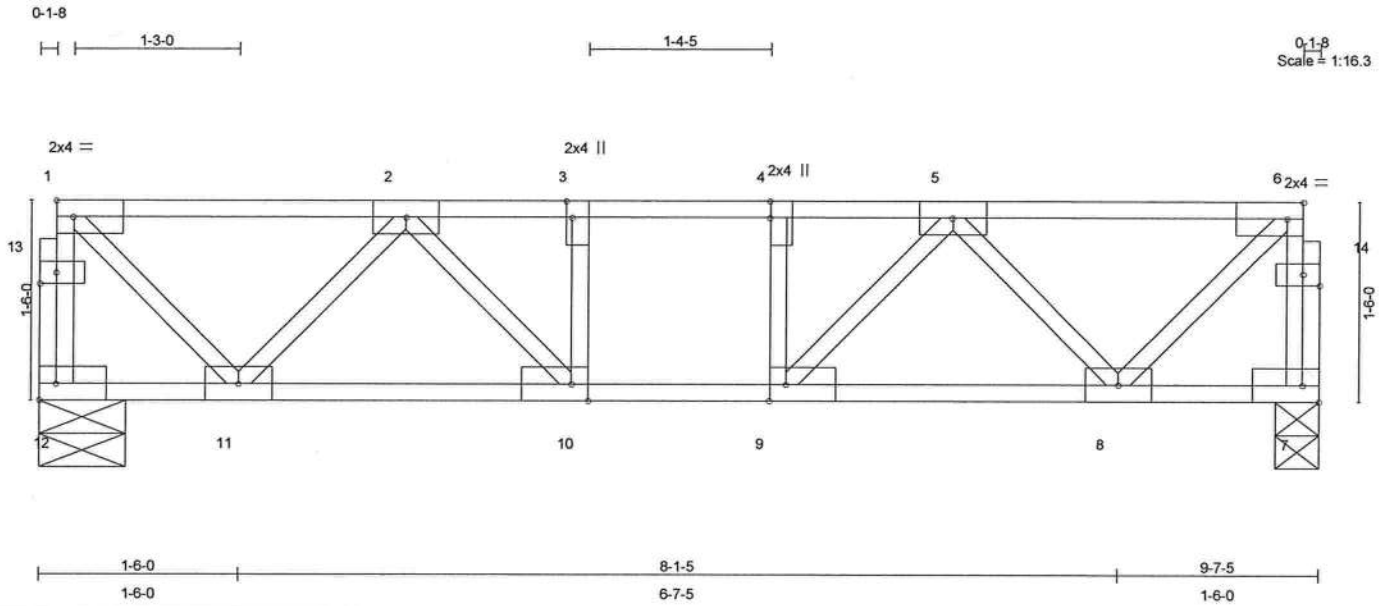

Plate Offsets (X,Y): [3:0-1-8,Edge], [4:0-1-8,Edge], [6:0-1-8,Edge], [9:0-1-8,Edge], [10:0-1-8,Edge], [13:0-1-8,0-1-0], [14:0-1-8,0-1-0]

LOADING (psf)		SPACING	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.25	Vert(LL)	-0.02	10-11	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.19	Vert(TL)	-0.03	10-11	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.18	Horz(TL)	0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 55 lb	

LUMBER
TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.2
WEBS 4 X 2 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) 12=407/0-7-12, 7=407/0-4-0

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 12-13=-403/0, 1-13=-403/0, 7-14=-403/0, 6-14=-403/0, 1-2=-322/0, 2-3=-687/0, 3-4=-687/0, 4-5=-687/0, 5-6=-322/0
BOT CHORD 11-12=0/18, 10-11=0/596, 9-10=0/687, 8-9=0/596, 7-8=0/18
WEBS 6-8=0/441, 1-11=0/441, 5-8=-406/0, 2-11=-406/0, 5-9=0/230, 2-10=0/230, 3-10=-122/0, 4-9=-122/0

JOINT STRESS INDEX
1 = 0.50, 2 = 0.26, 3 = 0.08, 4 = 0.08, 5 = 0.26, 6 = 0.50, 7 = 0.31, 8 = 0.51, 9 = 0.26, 10 = 0.26, 11 = 0.51, 12 = 0.31, 13 = 0.00, 13 = 0.00, 14 = 0.00 and 14 = 0.00

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x6 MT20 unless otherwise indicated.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

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LOAD CASE(S) Standard

February 19,2008

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY / FLOOR J1936284
L266887F	F08	FLOOR	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Feb 15 13:17:50 2008 Page 1

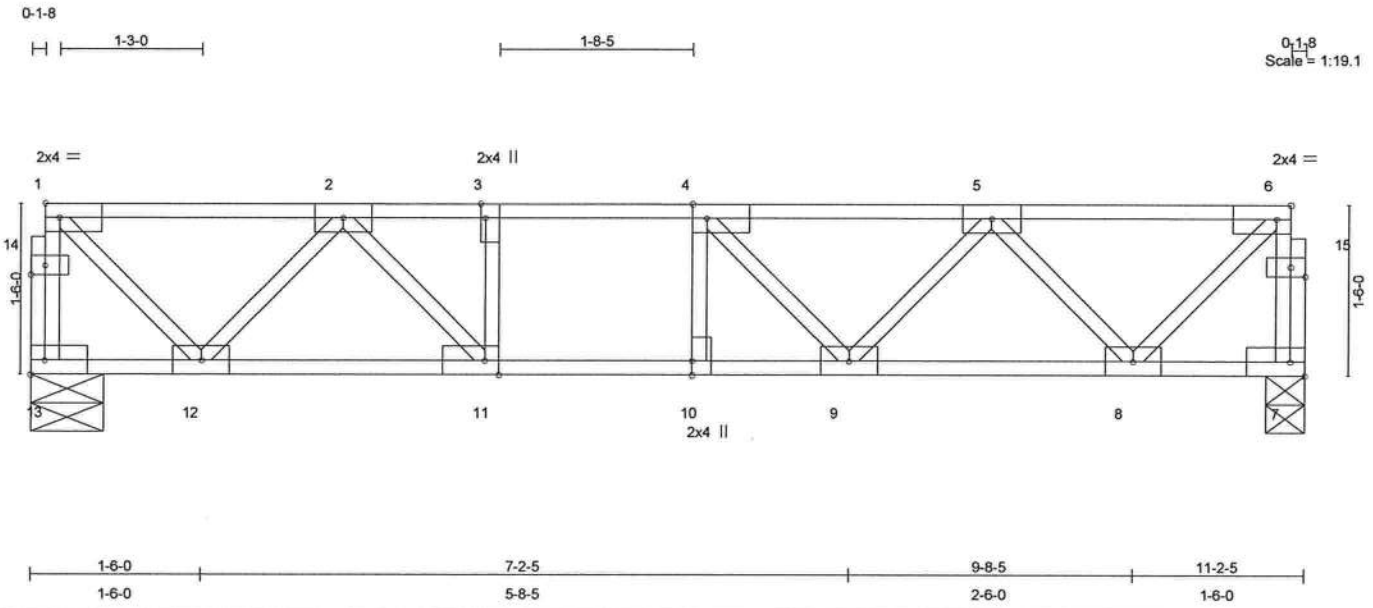

Plate Offsets (X,Y): [3:0-1-8,Edge], [4:0-1-8,Edge], [6:0-1-8,Edge], [10:0-1-8,Edge], [11:0-1-8,Edge], [14:0-1-8,0-1-0], [15:0-1-8,0-1-0]

LOADING (psf)		SPACING	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.33	Vert(LL)	-0.05	9-10	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.45	Vert(TL)	-0.08	9-10	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.22	Horz(TL)	0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 62 lb	

LUMBER
TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.2
WEBS 4 X 2 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) 13=476/0-7-12, 7=476/0-4-0

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 13-14=-466/0, 1-14=-466/0, 7-15=-471/0, 6-15=-471/0, 1-2=-383/0, 2-3=-932/0, 3-4=-932/0, 4-5=-859/0, 5-6=-396/0
BOT CHORD 12-13=0/21, 11-12=0/731, 10-11=0/932, 9-10=0/932, 8-9=0/741, 7-8=0/21
WEBS 6-8=0/542, 1-12=0/524, 5-8=-514/0, 2-12=-517/0, 5-9=0/203, 2-11=0/379, 4-9=-199/0, 3-11=-175/0, 4-10=-100/30

JOINT STRESS INDEX
1 = 0.59, 2 = 0.43, 3 = 0.11, 4 = 0.11, 5 = 0.29, 6 = 0.61, 7 = 0.36, 8 = 0.62, 9 = 0.23, 10 = 0.06, 11 = 0.43, 12 = 0.60, 13 = 0.36, 14 = 0.00, 14 = 0.00, 15 = 0.00 and 15 = 0.00

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x6 MT20 unless otherwise indicated.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

Julius Lee
Truss Design Engineer
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1109 Coastal Bay Blvd
Boynton Beach, FL 33435

LOAD CASE(S) Standard

February 19,2008

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY / FLOOR J1936285
L266887F	F09	FLOOR	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Feb 15 13:17:50 2008 Page 1

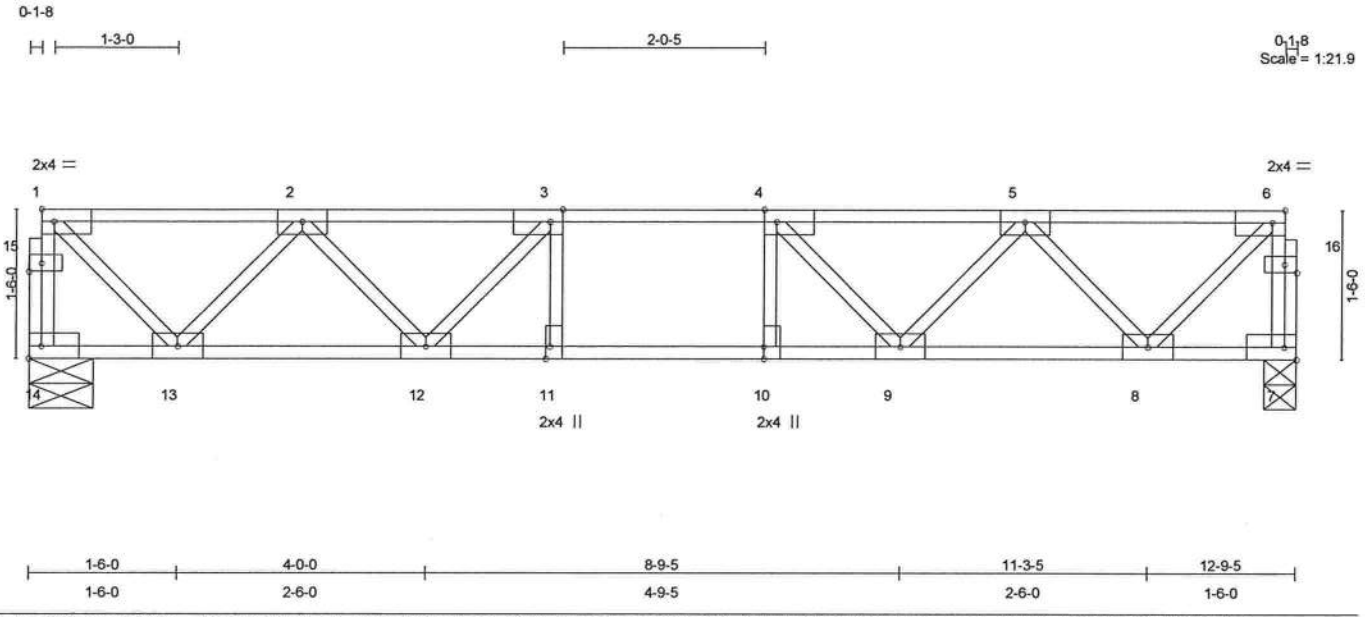

Plate Offsets (X,Y): [3:0-1-8,Edge], [4:0-1-8,Edge], [6:0-1-8,Edge], [10:0-1-8,0-0-0], [11:0-1-8,Edge], [15:0-1-8,0-1-0], [16:0-1-8,0-1-0]

LOADING (psf)		SPACING	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.30	Vert(LL)	-0.06	11-12	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.44	Vert(TL)	-0.08	11-12	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.26	Horz(TL)	0.02	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 69 lb	

LUMBER
TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.2
WEBS 4 X 2 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) 14=546/0-7-12, 7=546/0-4-0

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 14-15=-542/0, 1-15=-542/0, 7-16=-542/0, 6-16=-542/0, 1-2=-464/0, 2-3=-1056/0, 3-4=-1239/0, 4-5=-1056/0, 5-6=-464/0
BOT CHORD 13-14=0/25, 12-13=0/868, 11-12=0/1239, 10-11=0/1239, 9-10=0/1239, 8-9=0/868, 7-8=0/25
WEBS 6-8=0/637, 1-13=0/637, 5-8=-599/0, 2-13=-599/0, 5-9=0/295, 2-12=0/295, 4-9=-349/0, 3-12=-349/0, 3-11=-78/104, 4-10=-78/104

JOINT STRESS INDEX
1 = 0.72, 2 = 0.34, 3 = 0.20, 4 = 0.20, 5 = 0.34, 6 = 0.72, 7 = 0.41, 8 = 0.73, 9 = 0.34, 10 = 0.13, 11 = 0.13, 12 = 0.34, 13 = 0.73, 14 = 0.41, 15 = 0.00, 15 = 0.00, 16 = 0.00 and 16 = 0.00

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x6 MT20 unless otherwise indicated.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

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February 19,2008

LOAD CASE(S) Standard

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February 19,2008

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY / FLOOR J1936286
L266887F	F10	FLOOR	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 19 10:16:33 2008 Page 1

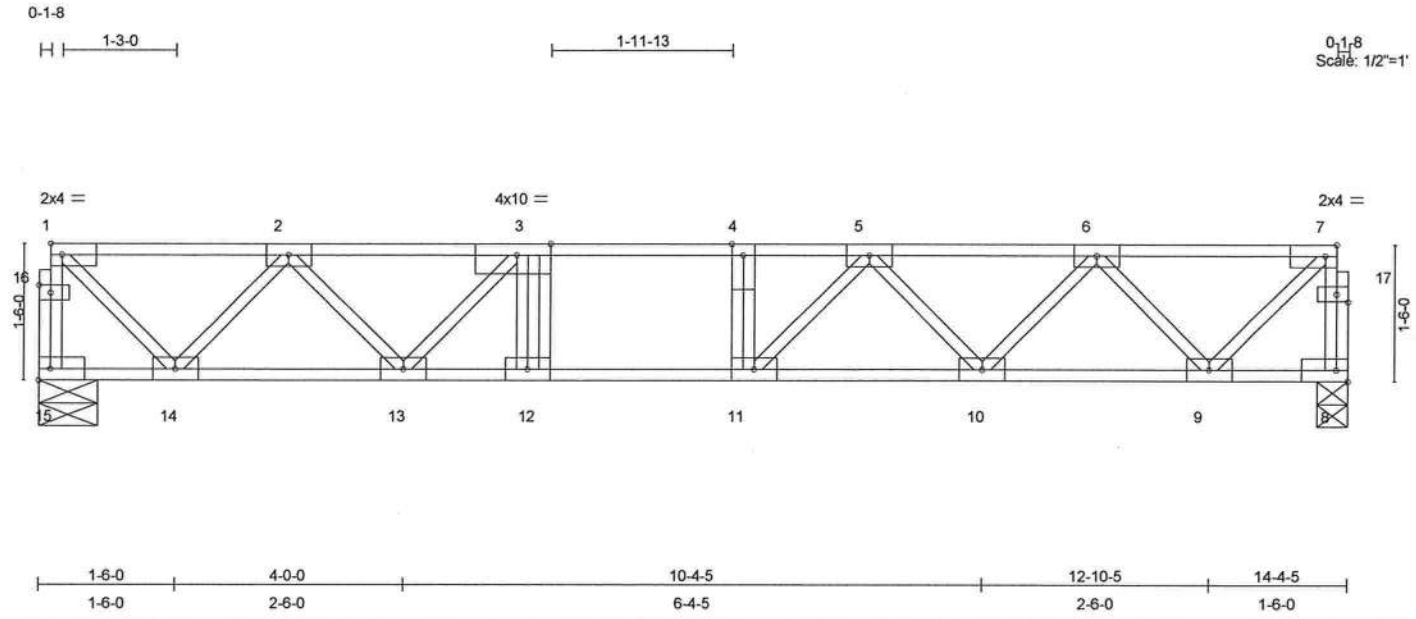

Plate Offsets (X,Y): [3:0-4-8,Edge], [7:0-1-8,Edge], [16:0-1-8,0-1-0], [17:0-1-8,0-1-0]

LOADING (psf)		SPACING	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.42	Vert(LL)	-0.12	10-11	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.64	Vert(TL)	-0.17	10-11	>995	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.29	Horz(TL)	0.02	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 82 lb	

LUMBER
TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.2
WEBS 4 X 2 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) 15=615/0-7-12, 8=615/0-4-0

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 15-16=-613/0, 1-16=-613/0, 8-17=-610/0, 7-17=-609/0, 1-2=-533/0, 2-3=-1254/0, 3-4=-1558/0, 4-5=-1558/0, 5-6=-1259/0, 6-7=-532/0
BOT CHORD 14-15=0/28, 13-14=0/994, 12-13=0/1556, 11-12=0/1558, 10-11=0/1482, 9-10=0/1002, 8-9=0/28
WEBS 7-9=0/730, 1-14=0/732, 6-9=-699/0, 2-14=-686/0, 6-10=0/382, 2-13=0/391, 5-10=-332/0, 3-13=-490/0, 5-11=-57/310, 3-12=-39/138, 4-11=-161/0

JOINT STRESS INDEX
1 = 0.85, 2 = 0.46, 3 = 0.16, 4 = 0.07, 5 = 0.37, 6 = 0.45, 7 = 0.85, 8 = 0.48, 9 = 0.86, 10 = 0.45, 11 = 0.37, 12 = 0.07, 13 = 0.46, 14 = 0.86, 15 = 0.48, 16 = 0.00, 16 = 0.00, 17 = 0.00 and 17 = 0.00

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x6 MT20 unless otherwise indicated.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

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LOAD CASE(S) Standard

February 19,2008

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February 19,2008

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY / FLOOR J1936287
L266887F	F11	FLOOR	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Feb 15 13:17:52 2008 Page 1

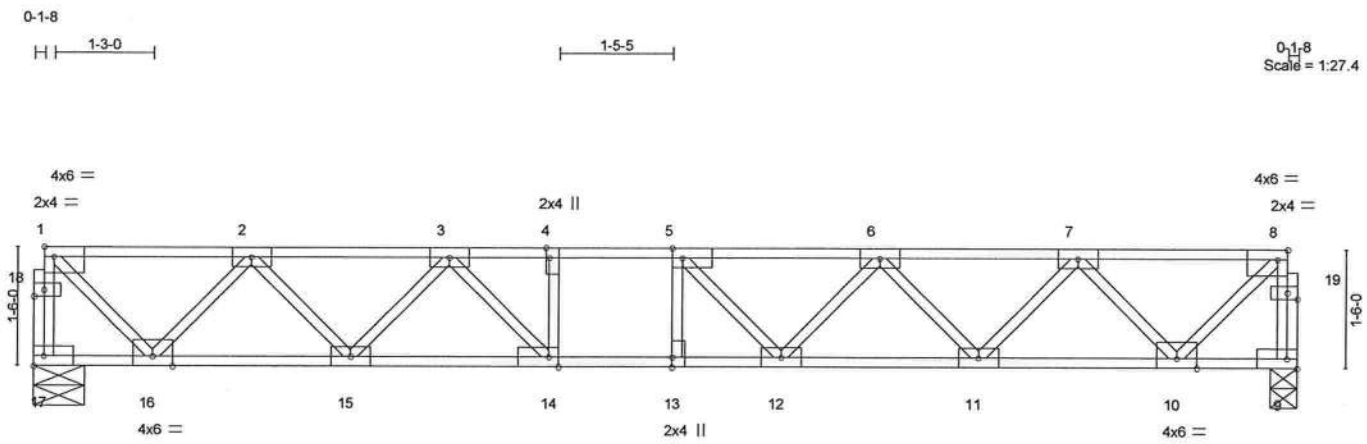

Plate Offsets (X,Y): [1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,Edge], [8:0-1-8,Edge], [13:0-1-8,Edge], [14:0-1-8,Edge], [18:0-1-8,0-1-0], [19:0-1-8,0-1-0]

LOADING (psf)		SPACING	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.36	Vert(LL)	-0.10	12-13	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.67	Vert(TL)	-0.16	12-13	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.33	Horz(TL)	0.03	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 87 lb	

LUMBER
TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.2
WEBS 4 X 2 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) 17=685/0-7-12, 9=685/0-4-0

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 17-18=-683/0, 1-18=-682/0, 9-19=-682/0, 8-19=-681/0, 1-2=-605/0, 2-3=-1442/0, 3-4=-1947/0, 4-5=-1947/0, 5-6=-1875/0, 6-7=-1453/0, 7-8=-602/0
BOT CHORD 16-17=0/31, 15-16=0/1133, 14-15=0/1747, 13-14=0/1947, 12-13=0/1947, 11-12=0/1762, 10-11=0/1129, 9-10=0/31
WEBS 8-10=0/826, 1-16=0/831, 7-10=-784/0, 2-16=-784/0, 7-11=0/482, 2-15=0/460, 6-11=-459/0, 3-15=-453/0, 6-12=0/250, 3-14=0/437, 5-12=-273/78, 4-14=-192/0, 5-13=-135/66

JOINT STRESS INDEX
1 = 0.52, 2 = 0.53, 3 = 0.50, 4 = 0.12, 5 = 0.15, 6 = 0.29, 7 = 0.55, 8 = 0.52, 9 = 0.52, 10 = 0.54, 11 = 0.55, 12 = 0.29, 13 = 0.08, 14 = 0.50, 15 = 0.53, 16 = 0.54, 17 = 0.52, 18 = 0.00, 18 = 0.00, 19 = 0.00 and 19 = 0.00

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x6 MT20 unless otherwise indicated.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

Continued on page 2

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February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY / FLOOR
					J1936287
L266887F	F11	FLOOR	1	1	Job Reference (optional)

LOAD CASE(S) Standard

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Truss Design Engineer
Florida PE No. 34869
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February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY / FLOOR J1936288
L266887F	F12	FLOOR	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Feb 15 13:17:52 2008 Page 1

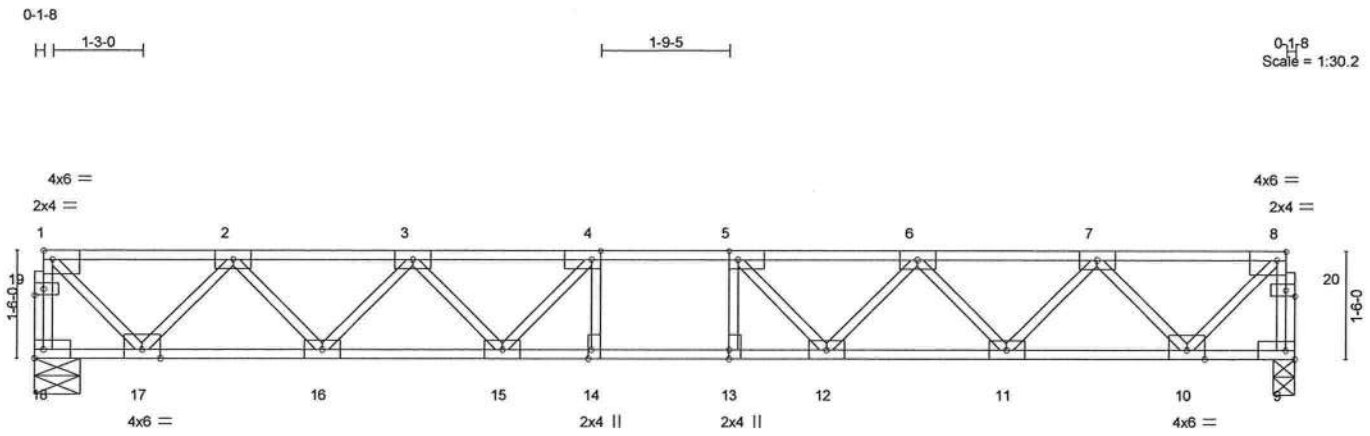

Plate Offsets (X,Y): [1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,Edge], [8:0-1-8,Edge], [13:0-1-8,Edge], [14:0-1-8,Edge], [19:0-1-8,0-1-0], [20:0-1-8,0-1-0]

LOADING (psf)		SPACING	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.31	Vert(LL)	-0.12	13-14	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.71	Vert(TL)	-0.20	13-14	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.37	Horz(TL)	0.04	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 94 lb	

LUMBER
TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.2
WEBS 4 X 2 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) 18=755/0-7-12, 9=755/0-3-8

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 18-19=-751/0, 1-19=-750/0, 9-20=-751/0, 8-20=-750/0, 1-2=-671/0, 2-3=-1649/0, 3-4=-2198/0, 4-5=-2376/0, 5-6=-2198/0, 6-7=-1649/0, 7-8=-671/0
BOT CHORD 17-18=0/34, 16-17=0/1263, 15-16=0/2015, 14-15=0/2376, 13-14=0/2376, 12-13=0/2376, 11-12=0/2015, 10-11=0/1263, 9-10=0/34
WEBS 8-10=0/923, 1-17=0/923, 7-10=-880/0, 2-17=-880/0, 7-11=0/573, 2-16=0/573, 6-11=-545/0, 3-16=-545/0, 6-12=0/340, 3-15=0/340, 5-12=-422/8, 4-15=-422/8, 4-14=-124/147, 5-13=-124/147

JOINT STRESS INDEX
1 = 0.58, 2 = 0.66, 3 = 0.55, 4 = 0.64, 5 = 0.64, 6 = 0.55, 7 = 0.66, 8 = 0.58, 9 = 0.64, 10 = 0.60, 11 = 0.66, 12 = 0.55, 13 = 0.47, 14 = 0.47, 15 = 0.55, 16 = 0.66, 17 = 0.60, 18 = 0.64, 19 = 0.00, 19 = 0.47, 20 = 0.00 and 20 = 0.47

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x6 MT20 unless otherwise indicated.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

Continued on page 2

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February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY / FLOOR J1936288
L266887F	F12	FLOOR	1	1	Job Reference (optional)

LOAD CASE(S) Standard

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Truss Design Engineer
Florida PE No. 34869
1900 Crandall Bay Blvd
Boynton Beach, FL 33435

February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY / FLOOR J1936289
L266887F	F13	FLOOR	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 19 10:17:12 2008 Page 1

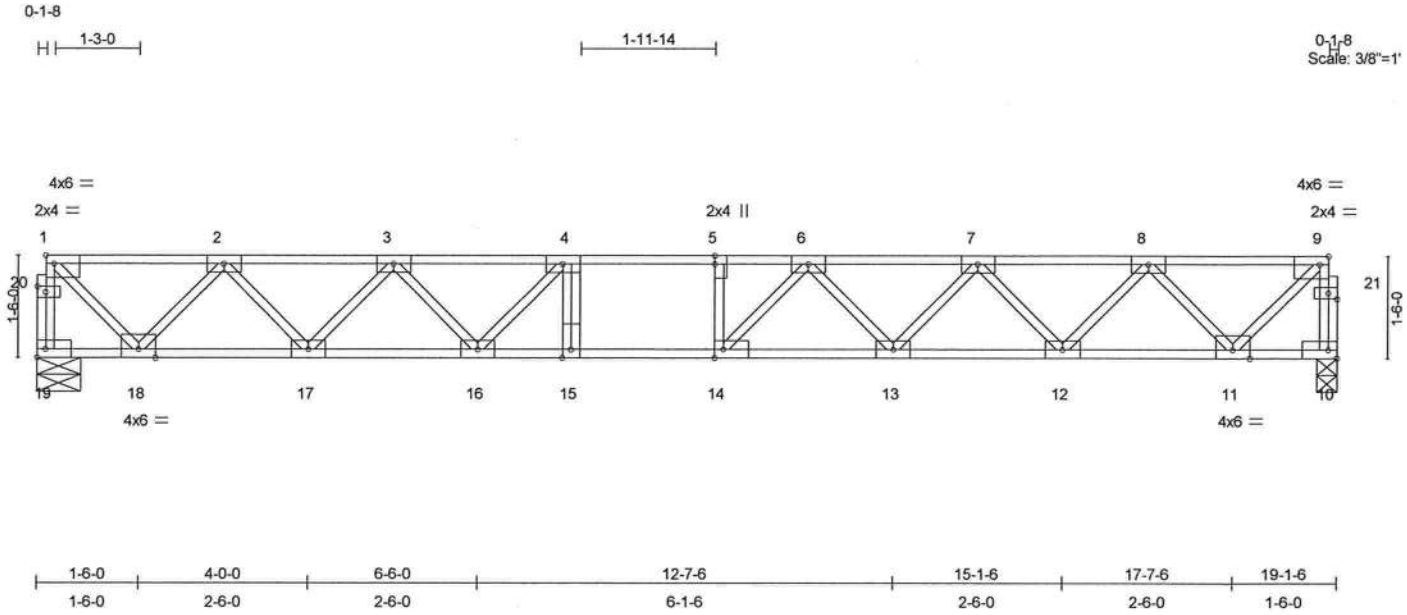

Plate Offsets (X,Y): [1:Edge,0-1-8], [5:0-1-8,0-0-0], [9:0-1-8,Edge], [14:0-1-8,Edge], [20:0-1-8,0-1-0], [21:0-1-8,0-1-0]

LOADING (psf)		SPACING	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.50	Vert(LL)	-0.21	13-14	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.89	Vert(TL)	-0.32	13-14	>709	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.41	Horz(TL)	0.06	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 103 lb	

LUMBER
TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.2
WEBS 4 X 2 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) 19=824/0-7-12, 10=824/0-3-8

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 19-20=-820/0, 1-20=-819/0, 10-21=-821/0, 9-21=-820/0, 1-2=-741/0, 2-3=-1843/0, 3-4=-2523/0, 4-5=-2811/0, 5-6=-2811/0, 6-7=-2527/0, 7-8=-1842/0, 8-9=-741/0
BOT CHORD 18-19=0/37, 17-18=0/1397, 16-17=0/2268, 15-16=0/2811, 14-15=0/2811, 13-14=0/2751, 12-13=0/2274, 11-12=0/1396, 10-11=0/37
WEBS 9-11=0/1019, 1-18=0/1019, 8-11=-973/0, 2-18=-976/0, 8-12=0/664, 2-17=0/664, 7-12=-641/0, 3-17=-631/0, 7-13=0/376, 3-16=0/438, 6-13=-332/0, 4-16=-562/0, 6-14=-169/390, 4-15=-85/169, 5-14=-192/27

JOINT STRESS INDEX
1 = 0.66, 2 = 0.78, 3 = 0.56, 4 = 0.66, 5 = 0.49, 6 = 0.56, 7 = 0.56, 8 = 0.78, 9 = 0.66, 10 = 0.66, 11 = 0.68, 12 = 0.78, 13 = 0.56, 14 = 0.66, 15 = 0.32, 16 = 0.56, 17 = 0.78, 18 = 0.68, 19 = 0.66, 20 = 0.00, 20 = 0.49, 21 = 0.00 and 21 = 0.49

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x6 MT20 unless otherwise indicated.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

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LOAD CASE(S) Standard

February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY / FLOOR J1936290
L266887F	F14	FLOOR	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Feb 15 13:17:54 2008 Page 1

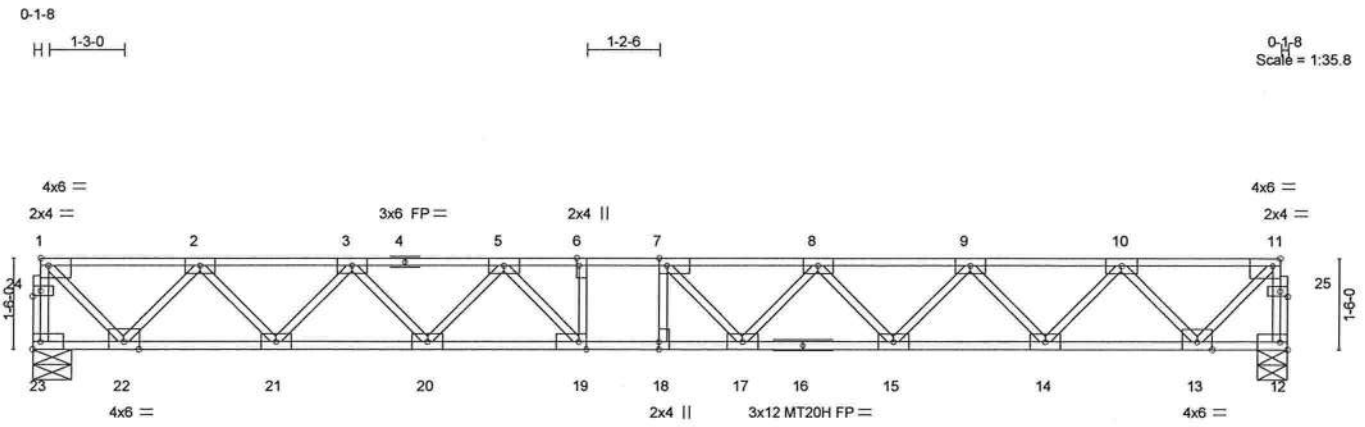

Plate Offsets (X,Y): [1:Edge,0-1-8], [6:0-1-8,Edge], [7:0-1-8,Edge], [11:0-1-8,Edge], [18:0-1-8,0-0-0], [19:0-1-8,Edge], [24:0-1-8,0-1-0], [25:0-1-8,0-1-0]

LOADING (psf)		SPACING	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.41	Vert(LL)	-0.25	17-18	>987	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.90	Vert(TL)	-0.39	17-18	>634	240	MT20H	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.45	Horz(TL)	0.07	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 111 lb	

LUMBER
TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.2
WEBS 4 X 2 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) 23=894/0-7-12, 12=894/0-6-0

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 23-24=-890/0, 1-24=-889/0, 12-25=-890/0, 11-25=-889/0, 1-2=-810/0, 2-3=-2041/0, 3-4=-2839/0, 4-5=-2839/0, 5-6=-3320/0, 6-7=-3320/0, 7-8=-3257/0, 8-9=-2849/0, 9-10=-2038/0, 10-11=-811/0
BOT CHORD 22-23=0/40, 21-22=0/1529, 20-21=0/2531, 19-20=0/3141, 18-19=0/3320, 17-18=0/3320, 16-17=0/3155, 15-16=0/3155, 14-15=0/2528, 13-14=0/1529, 12-13=0/40
WEBS 11-13=0/1115, 1-22=0/1114, 10-13=-1069/0, 2-22=-1069/0, 10-14=0/756, 2-21=0/762, 9-14=-728/0, 3-21=-729/0, 9-15=0/477, 3-20=0/458, 8-15=-455/0, 5-20=-449/0, 8-17=-35/294, 5-19=-80/483, 7-17=-331/164, 6-19=-202/7, 7-18=-165/94

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Truss Design Engineer
Florida PE No. 34869
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Boynton Beach, FL 33435

JOINT STRESS INDEX
1 = 0.70, 2 = 0.87, 3 = 0.55, 4 = 0.36, 5 = 0.55, 6 = 0.47, 7 = 0.64, 8 = 0.55, 9 = 0.55, 10 = 0.87, 11 = 0.70, 12 = 0.68, 13 = 0.73, 14 = 0.87, 15 = 0.55, 16 = 0.62, 17 = 0.55, 18 = 0.47, 19 = 0.64, 20 = 0.55, 21 = 0.87, 22 = 0.73, 23 = 0.68, 24 = 0.00, 24 = 0.47, 25 = 0.00 and 25 = 0.47

February 19,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY / FLOOR
					J1936290
L266887F	F14	FLOOR	1	1	Job Reference (optional)

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 3x6 MT20 unless otherwise indicated.
4) The following joint(s) require plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection: 16 and 4.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

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February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY / FLOOR J1936291
L266887F	F15	FLOOR	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Feb 15 13:17:55 2008 Page 1

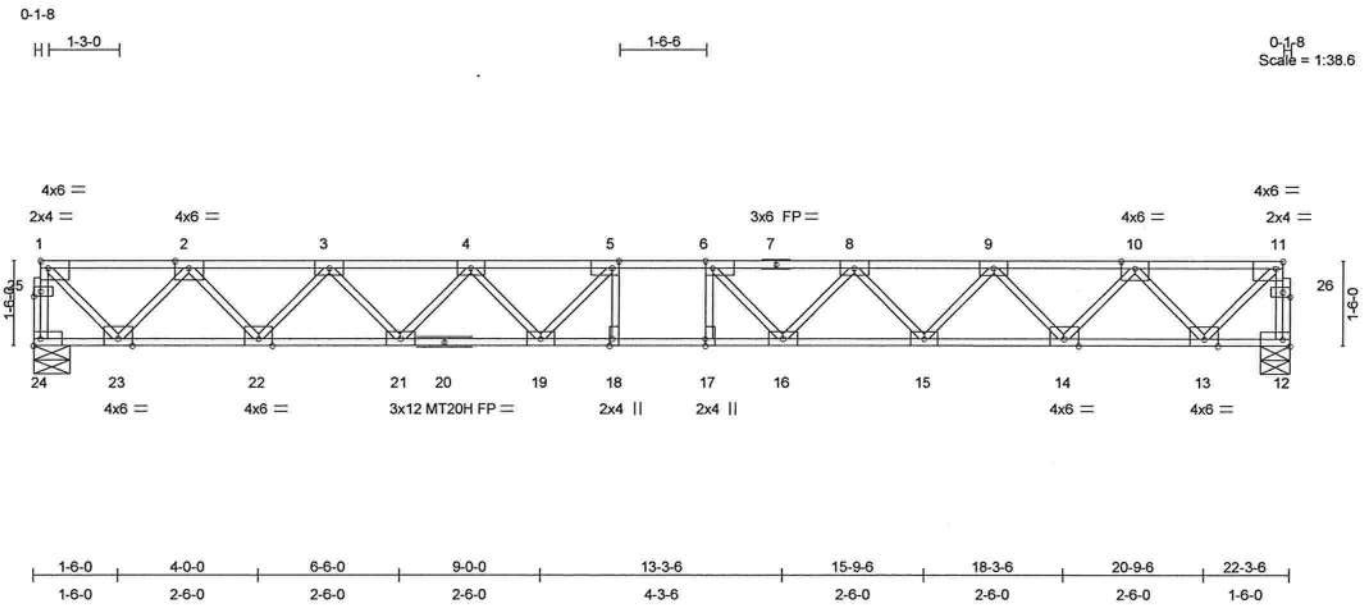

Plate Offsets (X,Y): [1:Edge,0-1-8], [5:0-1-8,Edge], [6:0-1-8,Edge], [11:0-1-8,Edge], [17:0-1-8,0-0-0], [18:0-1-8,Edge], [25:0-1-8 ,0-1-0], [26:0-1-8,0-1-0]

LOADING (psf)		SPACING	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.42	Vert(LL)	-0.32	17-18	>839	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.99	Vert(TL)	-0.49	17-18	>536	240	MT20H	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.49	Horz(TL)	0.09	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 119 lb	

LUMBER
TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.2
WEBS 4 X 2 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:
2-2-0 oc bracing: 18-19,17-18,16-17.

REACTIONS (lb/size) 24=964/0-7-12, 12=964/0-6-0

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 24-25=-960/0, 1-25=-959/0, 12-26=-960/0, 11-26=-959/0, 1-2=-880/0, 2-3=-2234/0, 3-4=-3170/0, 4-5=-3706/0, 5-6=-3870/0, 6-7=-3706/0, 7-8=-3706/0, 8-9=-3170/0, 9-10=-2234/0, 10-11=-880/0
BOT CHORD 23-24=0/44, 22-23=0/1662, 21-22=0/2788, 20-21=0/3535, 19-20=0/3535, 18-19=0/3870, 17-18=0/3870, 16-17=0/3870, 15-16=0/3535, 14-15=0/2788, 13-14=0/1662, 12-13=0/44
WEBS 11-13=0/1211, 1-23=0/1211, 10-13=-1162/0, 2-23=-1162/0, 10-14=0/851, 2-22=0/851, 9-14=-823/0, 3-22=-823/0, 9-15=0/569, 3-21=0/569, 8-15=-542/0, 4-21=-542/0, 8-16=0/383, 4-19=0/383, 6-16=-481/107, 5-19=-481/107, 5-18=-163/183, 6-17=-163/183

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JOINT STRESS INDEX
1 = 0.76, 2 = 0.55, 3 = 0.65, 4 = 0.55, 5 = 0.64, 6 = 0.64, 7 = 0.47, 8 = 0.55, 9 = 0.65, 10 = 0.55, 11 = 0.76, 12 = 0.73, 13 = 0.79, 14 = 0.55, 15 = 0.65, 16 = 0.55, 17 = 0.47, 18 = 0.47, 19 = 0.55, 20 = 0.69, 21 = 0.65, 22 = 0.55, 23 = 0.79, 24 = 0.73, 25 = 0.00, 25 = 0.47, 26 = 0.00 and 26 = 0.47

February 19,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY / FLOOR J1936291
L266887F	F15	FLOOR	1	1	Job Reference (optional)

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 3x6 MT20 unless otherwise indicated.
4) The following joint(s) require plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection: 20 and 7.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

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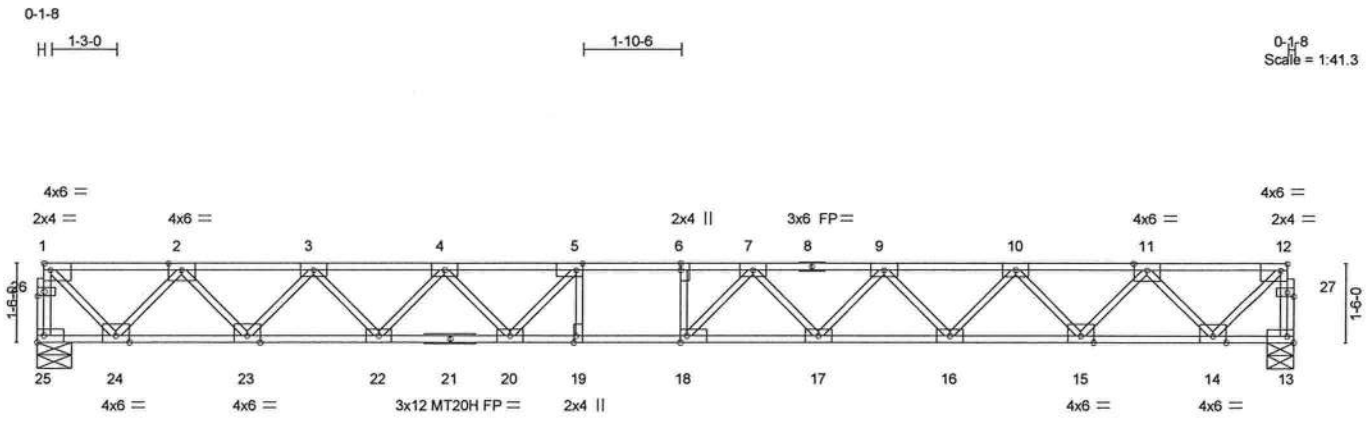
February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY / FLOOR J1936292
L266887F	F16	FLOOR	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Feb 15 13:17:56 2008 Page 1



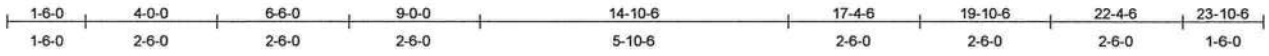


Plate Offsets (X,Y): [1:Edge,0-1-8], [5:0-1-8,Edge], [6:0-1-8,0-0-0], [12:0-1-8,Edge], [18:0-1-8,Edge], [19:0-1-8,Edge], [26:0-1-8,0-1-0], [27:0-1-8,0-1-0]

LOADING (psf)		SPACING	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.58	Vert(LL)	-0.41	18	>695	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.91	Vert(TL)	-0.64	17-18	>443	240	MT20H	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.52	Horz(TL)	0.10	13	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 126 lb	

LUMBER
TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.2 *Except* 13-21 4 X 2 SYP No.1D
WEBS 4 X 2 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) 25=1033/0-7-12, 13=1033/0-6-0

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 25-26=-1029/0, 1-26=-1028/0, 13-27=-1029/0, 12-27=-1028/0, 1-2=-949/0, 2-3=-2430/0, 3-4=-3492/0, 4-5=-4157/0, 5-6=-4422/0, 6-7=-4422/0, 7-8=-4161/0, 8-9=-4161/0, 9-10=-3490/0, 10-11=-2430/0, 11-12=-949/0
BOT CHORD 24-25=0/47, 23-24=0/1794, 22-23=0/3048, 21-22=0/3913, 20-21=0/3913, 19-20=0/4422, 18-19=0/4422, 17-18=0/4373, 16-17=0/3920, 15-16=0/3047, 14-15=0/1794, 13-14=0/47
WEBS 12-14=0/1307, 1-24=0/1307, 11-14=-1256/0, 2-24=-1256/0, 11-15=0/946, 2-23=0/946, 10-15=-916/0, 3-23=-919/0, 10-16=0/659, 3-22=0/659, 9-16=-638/0, 4-22=-627/0, 9-17=0/359, 4-20=0/483, 7-17=-382/0, 5-20=-628/39, 7-18=-263/454, 5-19=-131/217, 6-18=-208/60

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JOINT STRESS INDEX
1 = 0.82, 2 = 0.62, 3 = 0.76, 4 = 0.55, 5 = 0.64, 6 = 0.47, 7 = 0.55, 8 = 0.52, 9 = 0.55, 10 = 0.76, 11 = 0.62, 12 = 0.82, 13 = 0.79, 14 = 0.85, 15 = 0.62, 16 = 0.76, 17 = 0.55, 18 = 0.64, 19 = 0.47, 20 = 0.55, 21 = 0.77, 22 = 0.76, 23 = 0.62, 24 = 0.85, 25 = 0.79, 26 = 0.00, 26 = 0.47, 27 = 0.00 and 27 = 0.47

February 19,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY / FLOOR J1936292
L266887F	F16	FLOOR	1	1	Job Reference (optional)

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 3x6 MT20 unless otherwise indicated.
4) The following joint(s) require plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection: 21 and 8.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

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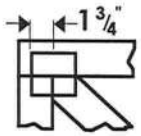
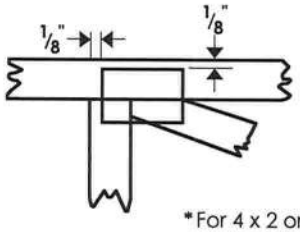
February 19,2008

Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

PLATE SIZE

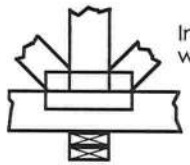
4 x 4

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

LATERAL BRACING

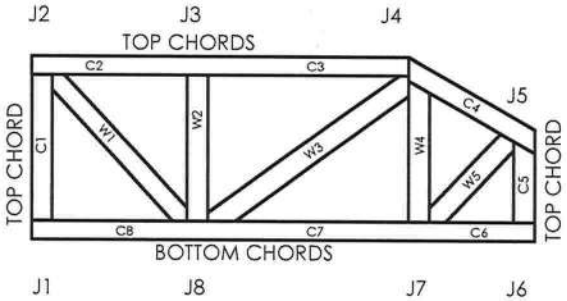
Indicates location of required continuous lateral bracing.

BEARING



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

Numbering System



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

WEBS ARE NUMBERED FROM LEFT TO RIGHT

CONNECTOR PLATE CODE APPROVALS

BOCA	96-31, 96-67
ICBO	3907, 4922
SBCCI	9667, 9432A
WISC/DILHR	960022-W, 970036-N
NER	561

MiTek®

TEE-LOK®

MiTek Engineering Reference Sheet: MII-7473

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
2. Cut members to bear tightly against each other.
3. Place plates on each face of truss at each joint and embed fully. Avoid knots and wane at joint locations.
4. Unless otherwise noted, locate chord splices at ¼ panel length (± 6" from adjacent joint.)
5. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
6. Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
7. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
8. Plate type, size and location dimensions shown indicate minimum plating requirements.
9. Lumber shall be of the species and size, and in all respects, equal to or better than the grade specified.
10. Top chords must be sheathed or purlins provided at spacing shown on design.
11. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
12. Anchorage and / or load transferring connections to trusses are the responsibility of others unless shown.
13. Do not overload roof or floor trusses with stacks of construction materials.
14. Do not cut or alter truss member or plate without prior approval of a professional engineer.
15. Care should be exercised in handling, erection and installation of trusses.

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"	5' 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' 5"	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"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
		#2	4' 2"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
		#3	4' 0"	6' 2"	6' 2"	7' 11"	8' 2"	9' 5"	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' 3"	7' 4"	7' 7"	8' 9"	8' 11"	10' 5"	10' 8"	13' 8"	14' 0"	14' 0"	14' 0"
		#3	4' 2"	6' 11"	6' 11"	8' 9"	8' 9"	10' 5"	10' 5"	13' 8"	13' 8"	14' 0"	14' 0"
		STUD	4' 2"	6' 11"	6' 11"	8' 9"	8' 9"	10' 5"	10' 5"	13' 8"	13' 8"	14' 0"	14' 0"
		STANDARD	4' 2"	5' 11"	5' 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"	9' 5"	10' 5"	11' 2"	13' 8"	14' 0"	14' 0"	14' 0"
		#2	4' 7"	7' 4"	7' 11"	8' 9"	9' 5"	10' 5"	11' 2"	13' 8"	14' 0"	14' 0"	14' 0"
		#3	4' 4"	7' 2"	7' 2"	8' 9"	9' 2"	10' 5"	10' 11"	13' 8"	14' 0"	14' 0"	14' 0"
		STUD	4' 4"	7' 1"	7' 1"	8' 9"	9' 2"	10' 5"	10' 11"	13' 8"	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		HEM-FIR	
#1 / #2	STANDARD	#2	STUD
#3	STUD	#3	STANDARD

DOUGLAS FIR-LARCH: #3, STUD, STANDARD

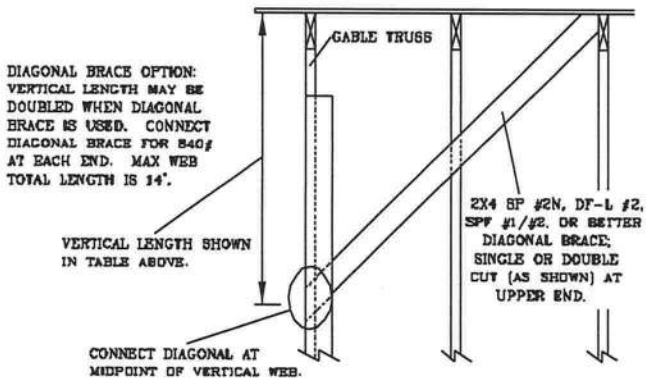
SOUTHERN PINE: #3, STUD, STANDARD

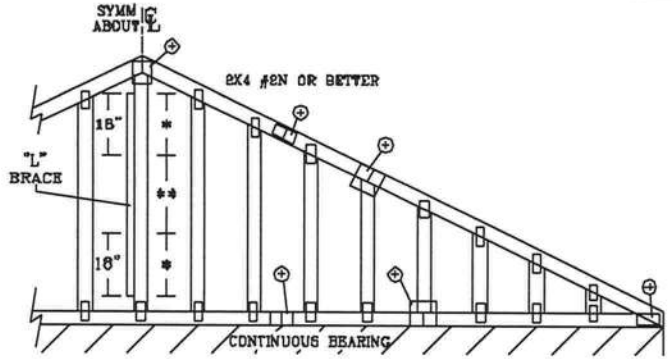
GROUP B:

HEM-FIR: #1 & BTR, #1

SOUTHERN PINE: #1, #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 (6 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.

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

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

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"	5' 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' 6"	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' 6"	5' 6"	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' 8"	4' 6"	5' 11"	5' 11"	7' 10"	8' 0"	9' 3"	9' 3"	12' 3"	12' 6"
		STANDARD	3' 0"	3' 10"	3' 10"	6' 1"	5' 1"	8' 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"	6' 5"	7' 2"	7' 2"	8' 11"	8' 11"	11' 1"	11' 1"	14' 0"	14' 0"
		STANDARD	3' 7"	4' 8"	4' 8"	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"	8' 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"	5' 7"	7' 4"	7' 4"	8' 11"	8' 6"	11' 5"	11' 6"	14' 0"	14' 0"
		STUD	3' 8"	5' 6"	5' 5"	7' 3"	7' 3"	8' 11"	9' 5"	11' 4"	11' 4"	14' 0"	14' 0"
		STANDARD	3' 8"	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' 6"	8' 3"	8' 11"	9' 10"	10' 7"	12' 11"	13' 11"	14' 0"	14' 0"
		#2	4' 4"	6' 11"	7' 6"	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' 5"	9' 10"	10' 4"	12' 11"	13' 1"	14' 0"	14' 0"
		STANDARD	4' 0"	5' 6"	5' 6"	7' 3"	7' 3"	9' 9"	9' 9"	11' 4"	11' 4"	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

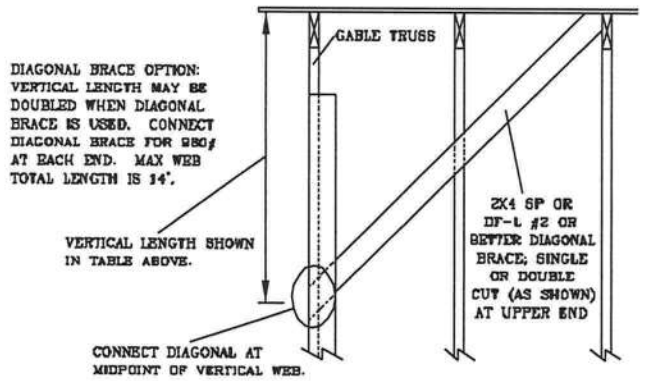
SOUTHERN PINE
#3
STUD
STANDARD

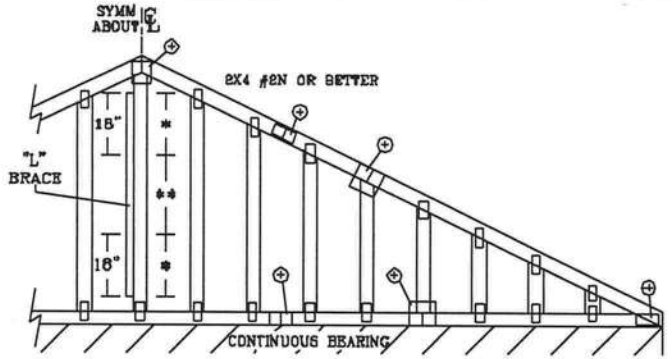
GROUP B:

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 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' 6"	2X4
GREATER THAN 11' 6"	2.5X4

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

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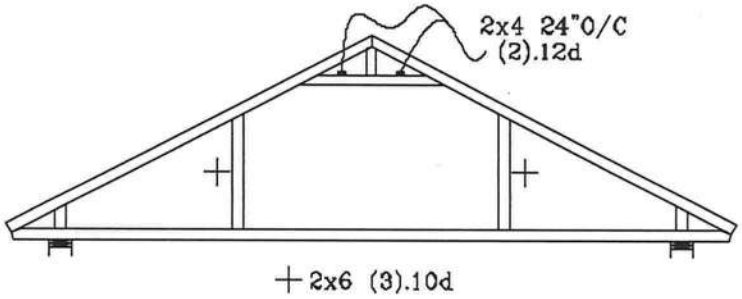
No: 34869
STATE OF FLORIDA

MAX. TOT. LD. 60 PSF

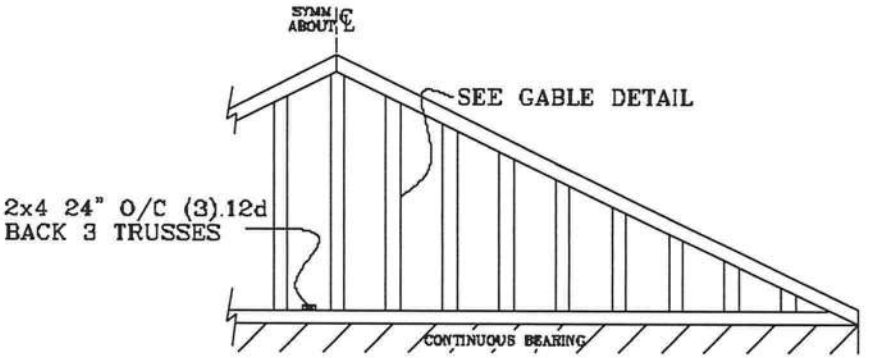
MAX. SPACING 24.0"

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

TYPICAL ATTIC TRUSS BRACING

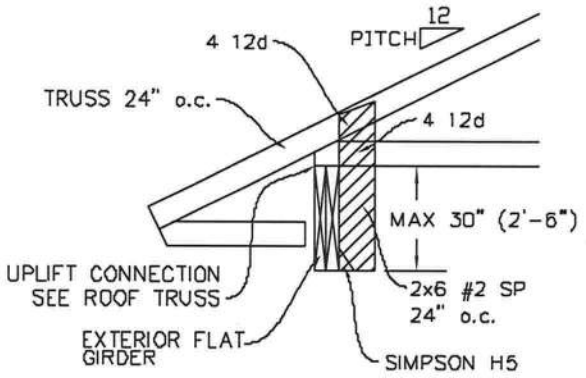


GABLE END TRUSS DETAIL

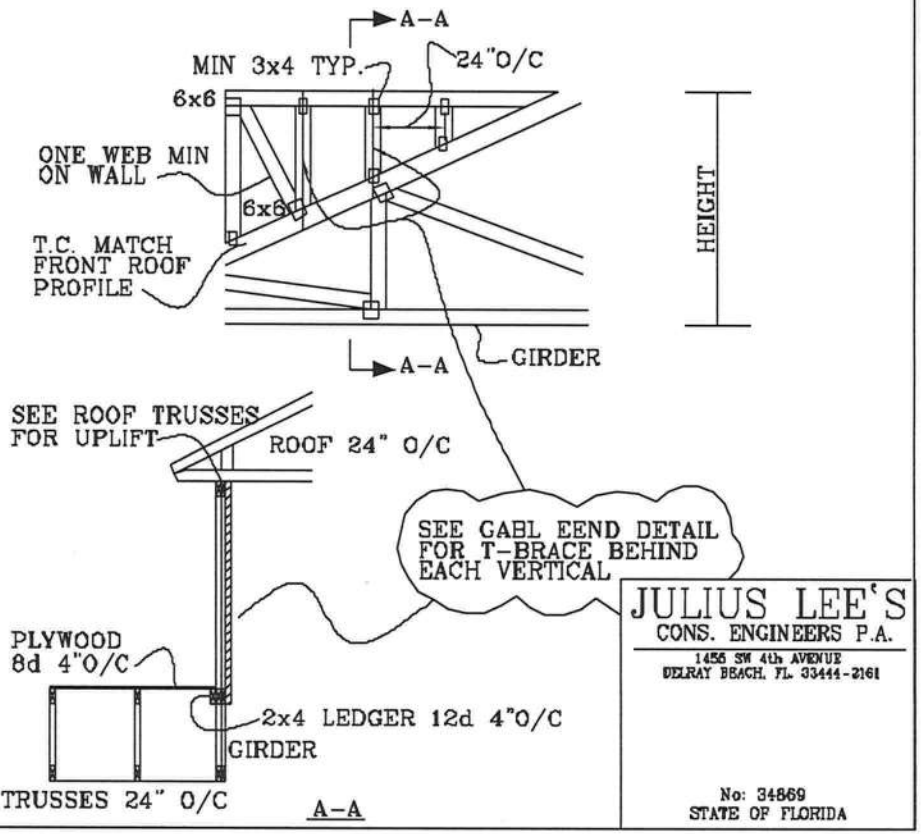


MINIMUM BC BRACING ON GABLE TRUSS. OTHER PERMANENT BRACING DESIGNS BY ARCHITECT OR EOR

TYPICAL ALTERNATE BRACING DETAIL FOR EXTERIOR FLAT GIRDER TRUSS



TYPICAL WALL GIRDER VERTICAL WEB BRACING DETAIL



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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:

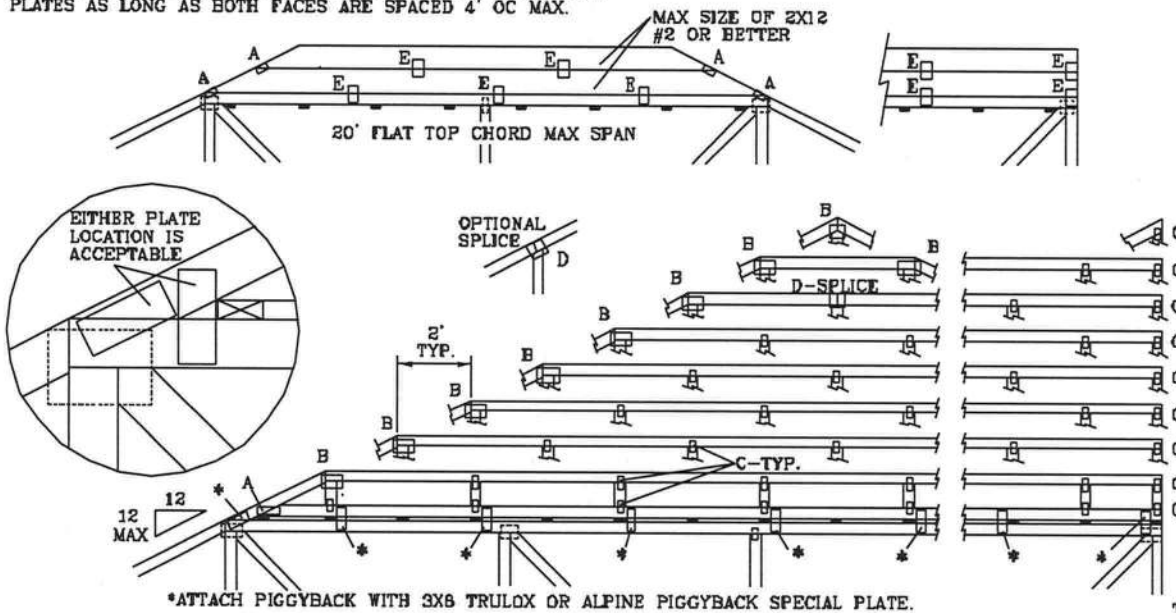
- 110 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, 1 MI FROM COAST CAT I, EXP C, WIND TC DL=5 PSF, WIND BC DL=5 PSF
- 110 MPH WIND, 30' MEAN HGT, FBC ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF WIND TC DL=5 PSF, WIND BC DL=5 PSF
- 130 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C, WIND TC DL=5 PSF, WIND BC DL=5 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'	52'
A	2X4	2.5X4	2.5X4	3X5
B	4X6	5X6	5X6	5X6
C	1.5X3	1.5X4	1.5X4	1.5X4
D	5X4	5X5	5X5	5X6
E	4X6 OR 3X6 TRULOX AT 4' OC, ROTATED VERTICALLY			

ATTACH TRULOX PLATES WITH (8) 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.

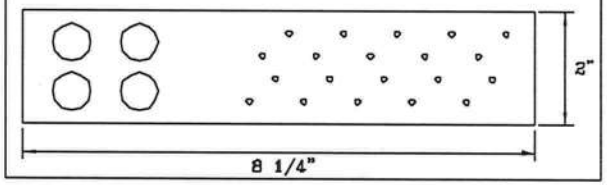
WEB BRACING CHART	
WEB LENGTH	REQUIRED BRACING
0' TO 7'9"	NO BRACING
7'9" TO 10'	1x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 8d NAILS AT 4" OC.
10' TO 14'	2x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER.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



*ATTACH PIGGYBACK WITH 3X8 TRULOX OR ALPINE PIGGYBACK SPECIAL PLATE.

* 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 & 847,045

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JULIUS LEE'S
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1400 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

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".

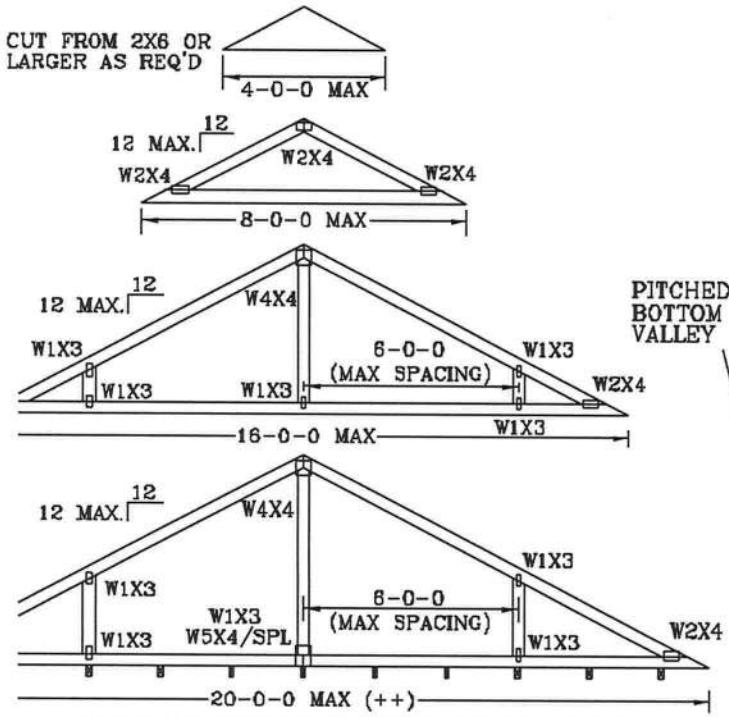
MAXIMUM VALLEY VERTICAL HEIGHT MAY NOT EXCEED 12'0".

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.

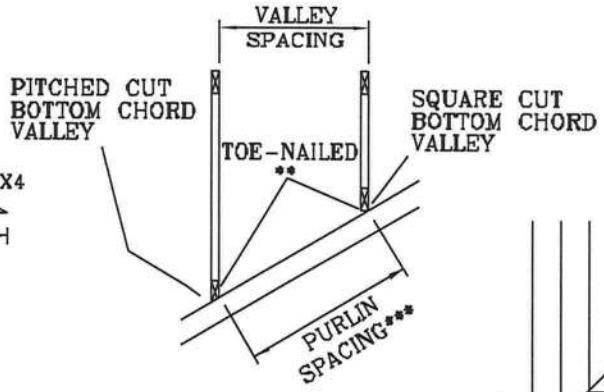
*** NOTE THAT THE PURLIN SPACING FOR BRACING THE TOP CHORD OF THE TRUSS BENEATH THE VALLEY IS MEASURED ALONG THE SLOPE OF THE TOP CHORD.

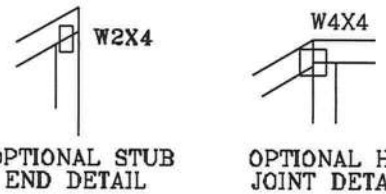
++ LARGER SPANS MAY BE BUILT AS LONG AS THE VERTICAL HEIGHT DOES NOT EXCEED 12'0".

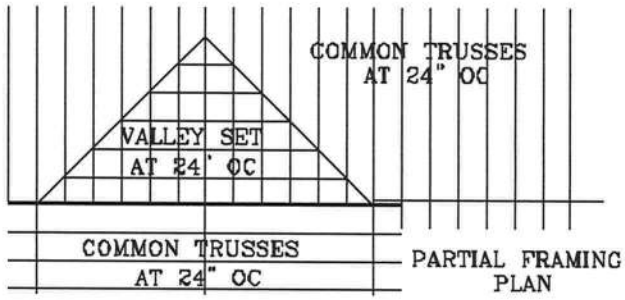
BOTTOM CHORD MAY BE SQUARE OR PITCHED CUT AS SHOWN.



SUPPORTING TRUSSES AT 24" OC MAXIMUM SPACING.







THIS DRAWING REPLACES DRAWING A105

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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"		

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."

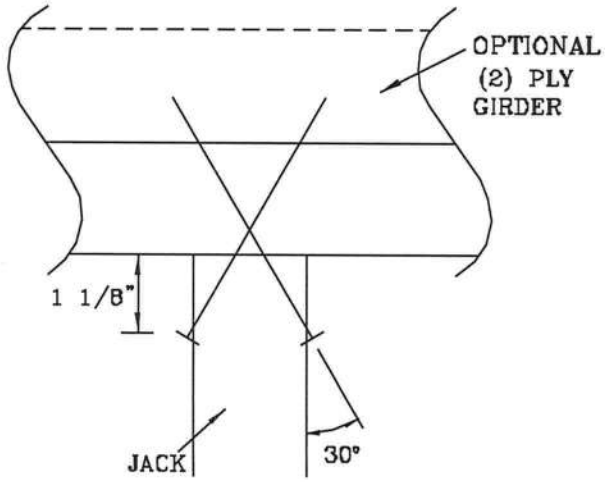
THE NUMBER OF TOE-NAILS TO BE USED IN A SPECIFIC APPLICATION IS DEPENDENT UPON PROPERTIES FOR THE CHORD SIZE, LUMBER SPECIES, AND NAIL TYPE. PROPER CONSTRUCTION PRACTICES AS WELL AS GOOD JUDGEMENT SHOULD DETERMINE THE NUMBER OF NAILS TO BE USED.

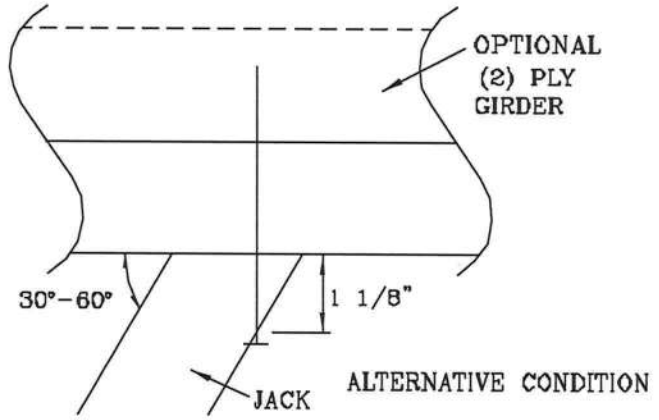
THIS DETAIL DISPLAYS A TOE-NAILED CONNECTION FOR JACK FRAMING INTO A SINGLE OR DOUBLE PLY SUPPORTING GIRDER.

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

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No: 34669
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			

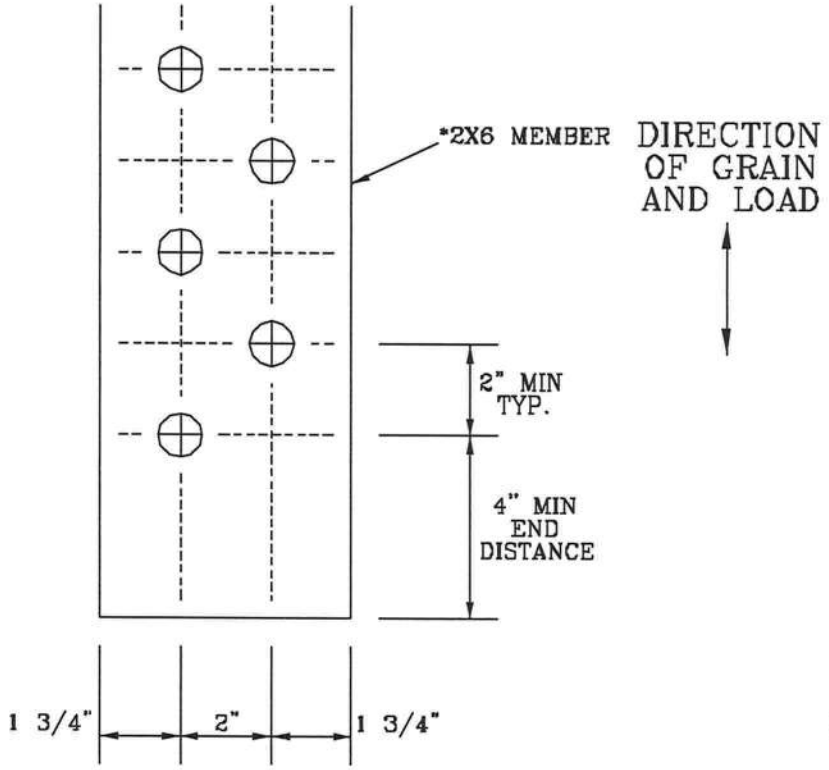
1/2" DIAMETER BOLT SPACING FOR LOAD APPLIED PARALLEL TO GRAIN.

* GRADE AND SPECIES AS SPECIFIED ON THE ALPINE DESIGN.

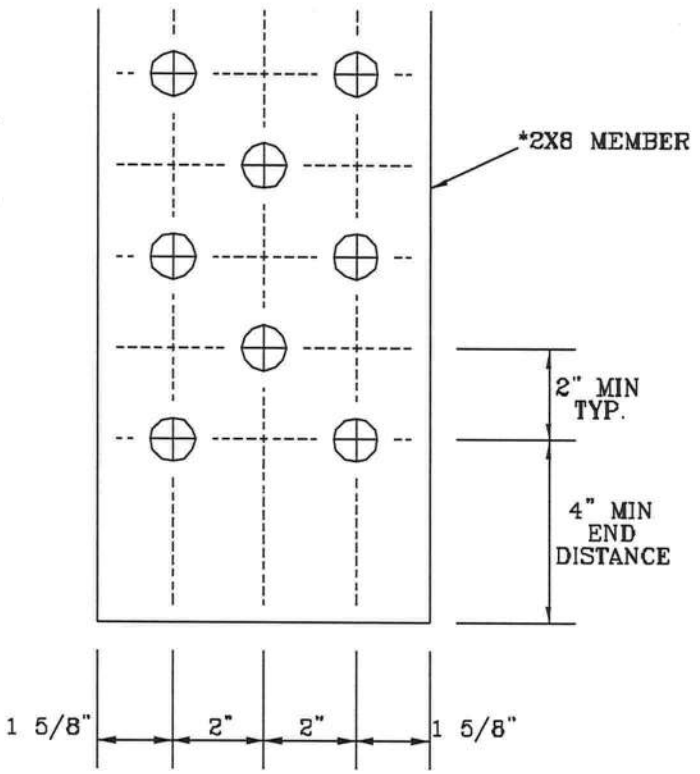
BOLT HOLES SHALL BE A MINIMUM OF 1/32" TO A MAXIMUM OF 1/16" LARGER THAN BOLT DIAMETER.

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 A628.016

==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

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			

TRULOX CONNECTION DETAIL

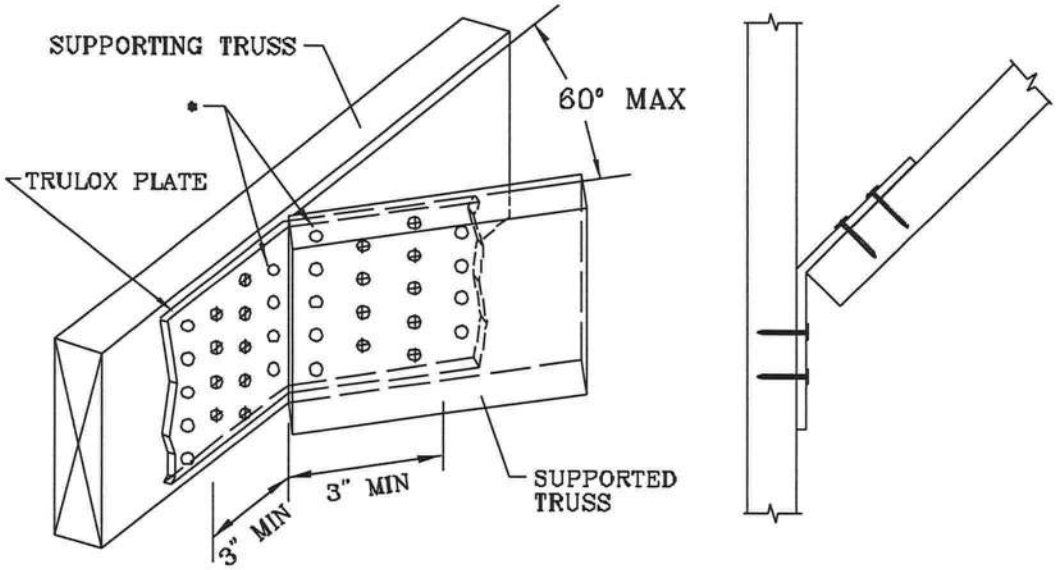
11 GAUGE (0.120" X 1.375") NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. FILL ROWS COMPLETELY WHERE SHOWN (⊕).

* 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.

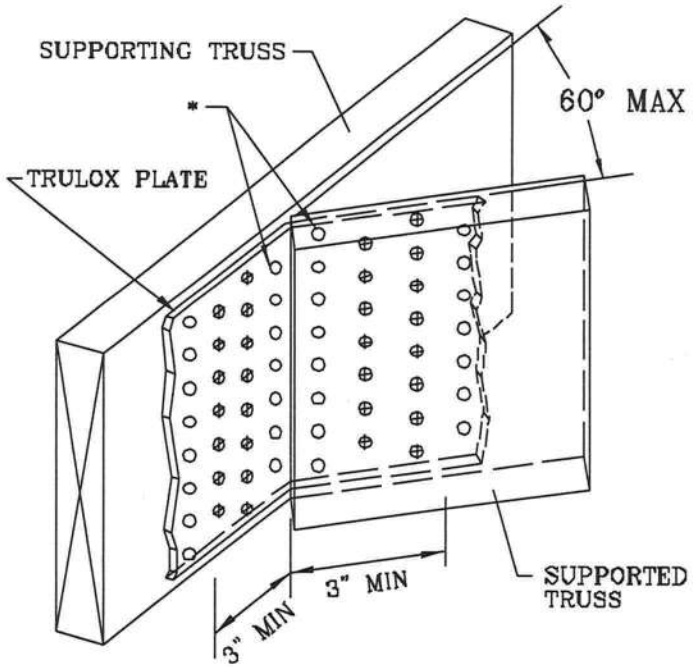
TRULOX PLATE IS CENTERED ON THE CHORDS AND BENT BETWEEN NAIL ROWS.

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



MINIMUM 3X6 TRULOX PLATE

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



MINIMUM 5X6 TRULOX PLATE

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

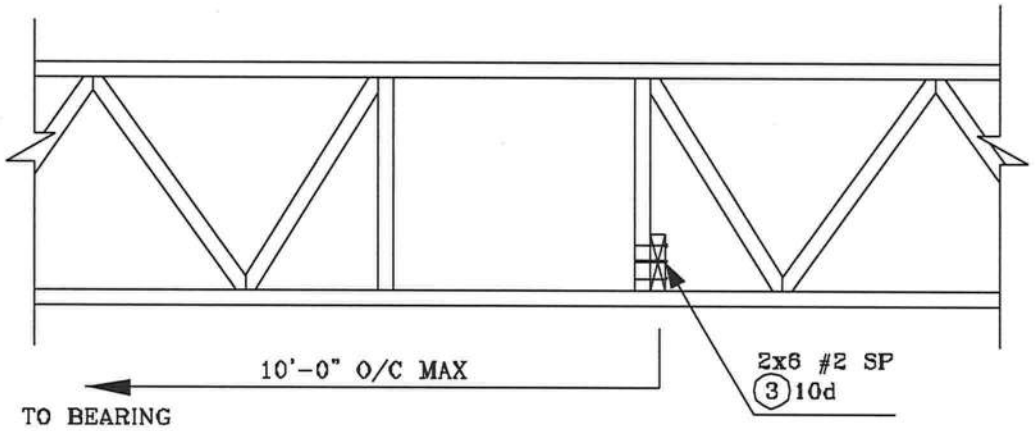
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE 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

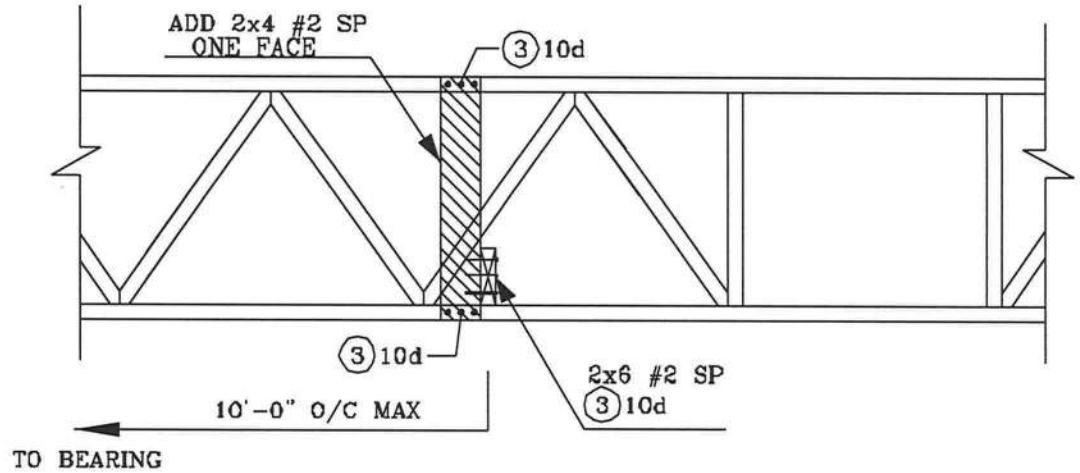
No: 34869
STATE OF FLORIDA

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

STRONG BACK DETAIL
SYSTEM-42 OR FLAT TRUSS

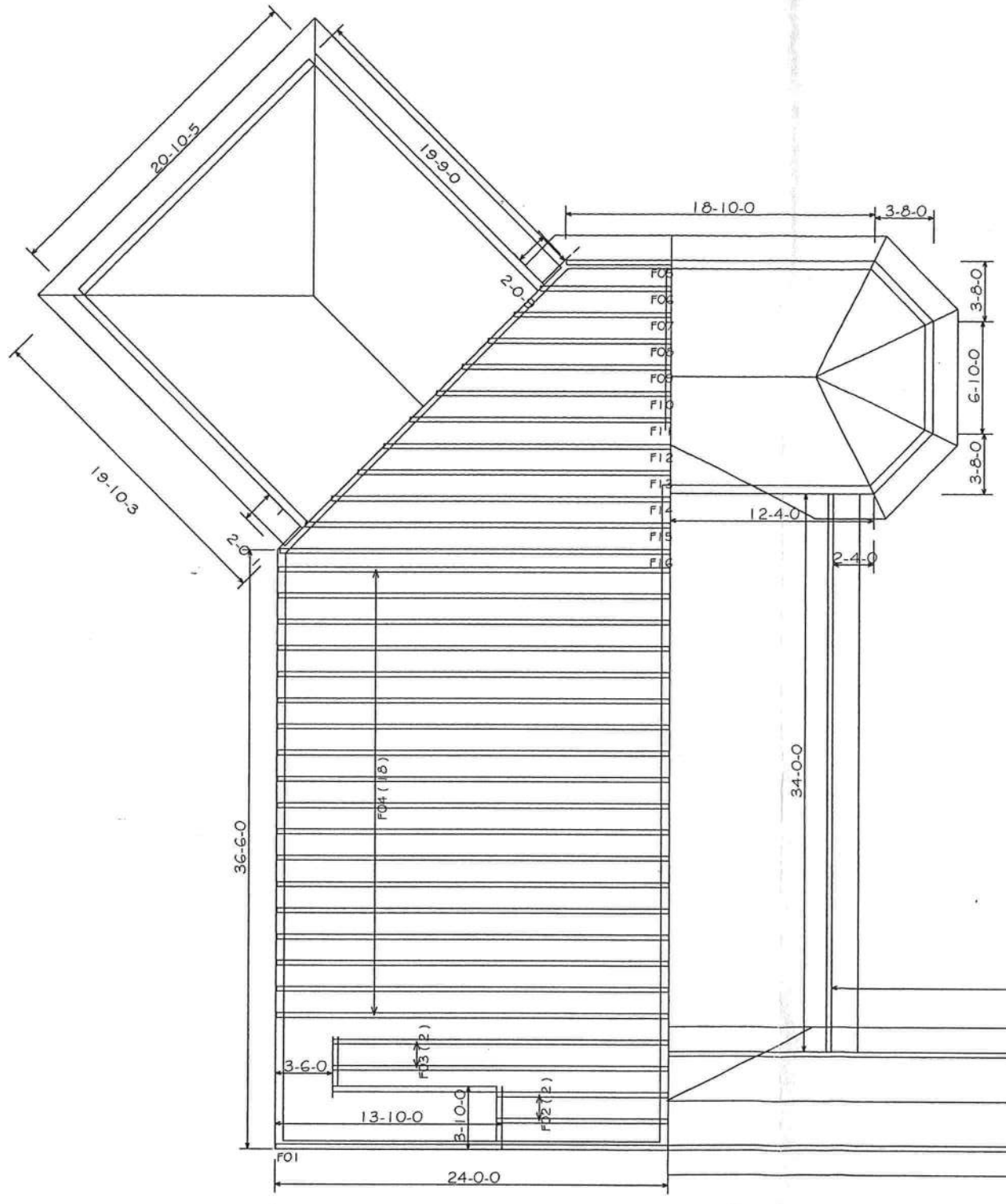


ALTERNATE DETAIL FOR
STRONG BACK WITH VERTICAL
NOT LINING UP



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

No: 34869
STATE OF FLORIDA



TRUSS INFORMATION:

FLOOR DEPTH: 18"

FLOOR SPACING: 19.2" O/C

HANGER LIST:
NONE

BEAM LIST:
BY OTHERS

NOTE: STAIR WALLS ARE USED FOR BEARING

BEARING HEIGHT SCHEDULE

10' 0"

BEARING HEIGHT FOR FLOOR TRUSSES

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 V109 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) ST42 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: 407-322-0059 FAX: 407-322-5555

BUILDER: N/A

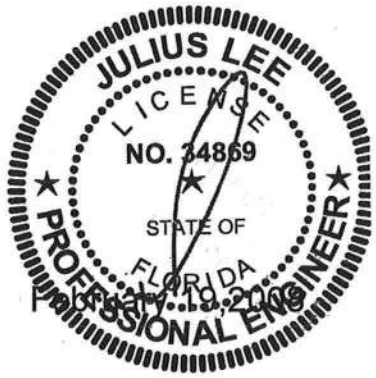
LEGAL ADDRESS: LAKE CITY, FL

MODEL: CADY RES. REVISION:

SCALE: NTS

DATE: 1/31/08 DRAWN BY: JP JOB #: L2GG887F

Builders FirstSource



Project Information for: L266887

...	...
Address:	300 Southwest Sweetbryer Drive
...	Lake City, FL
County:	Columbia
Truss Count:	33
Design Program:	MiTek 20/20 6.3
Building Code:	FBC2004/TPI2002

Truss Design Load Information:

Gravity: **Wind:**

Roof (psf): 50.0 Wind Standard: ASCE 7-02 Wind Exposure: B

Floor (psf): N/A Wind Speed (mph): 110

Note: See the individual truss drawings for special loading conditions.

Engineer of Record: Unknown at time of Seal Date
Address: Unknown at time of Seal Date

Truss Design Engineer: Julius Lee, PE Florida P.E. License No. 34869
Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

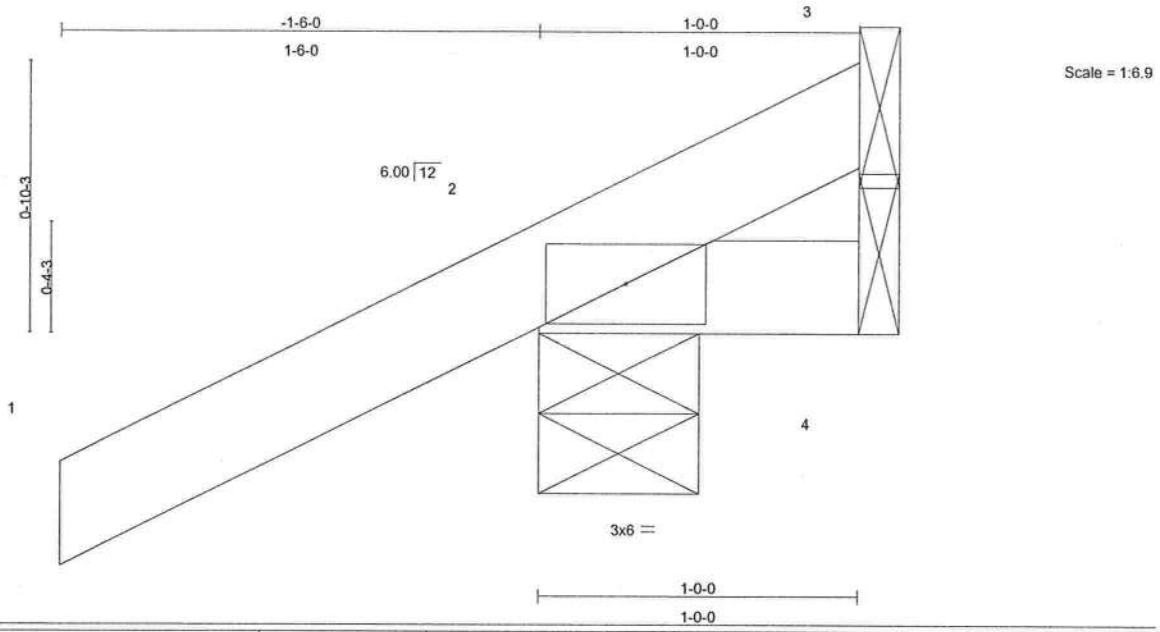
Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1-2002 Section 2.2
2. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.
3. The Truss Design Engineer's responsibility relative to this structure consists solely of the design of the individual truss components and does not include the design of any additional structural elements including but not limited to continuous lateral bracing elelments in the web and chord planes. See Florida Administrative Code 61G15-31.003 sections 3 c) & 5 and Chapter 2 of the National Design Standard for Metal Plate Connected Wood Truss Construction ANSI/TPI 1-2002 for additional information on the responsibilities of the delegated "Truss Design Engineer". Builders FirstSource and Julius Lee, PE do not accept any additional delegations beyond the scope of work described in the referenced documents above.

No.	Drwg. #	Truss ID	Seal Date	No.	Drwg. #	Truss ID	Seal Date
1	J1936244	CJ1	2/19/08	29	J1936272	T11	2/19/08
2	J1936245	CJ3	2/19/08	30	J1936273	T12	2/19/08
3	J1936246	CJ5	2/19/08	31	J1936274	T12G	2/19/08
4	J1936247	EJ2	2/19/08	32	J1936275	T13	2/19/08
5	J1936248	EJ3	2/19/08	33	J1936276	T14	2/19/08
6	J1936249	EJ7	2/19/08				
7	J1936250	HJ2	2/19/08				
8	J1936251	HJ9	2/19/08				
9	J1936252	T01	2/19/08				
10	J1936253	T01A	2/19/08				
11	J1936254	T01G	2/19/08				
12	J1936255	T02	2/19/08				
13	J1936256	T03	2/19/08				
14	J1936257	T04	2/19/08				
15	J1936258	T04A	2/19/08				
16	J1936259	T04B	2/19/08				
17	J1936260	T04C	2/19/08				
18	J1936261	T04D	2/19/08				
19	J1936262	T04E	2/19/08				
20	J1936263	T04F	2/19/08				
21	J1936264	T04G	2/19/08				
22	J1936265	T04H	2/19/08				
23	J1936266	T05	2/19/08				
24	J1936267	T06	2/19/08				
25	J1936268	T07	2/19/08				
26	J1936269	T08	2/19/08				
27	J1936270	T09	2/19/08				
28	J1936271	T10	2/19/08				

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	CJ1	JACK	4	1	J1936244
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Feb 15 13:17:08 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)	-0.00	2	>999	360	MT20	244/190
TCDL	15.0	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=236/0-6-0, 4=5/Mechanical, 3=-57/Mechanical
Max Horz 2=70(load case 6)
Max Uplift 2=-184(load case 6), 3=-57(load case 1)
Max Grav 2=236(load case 1), 4=14(load case 2), 3=65(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-60/37
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.11

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *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 184 lb uplift at joint 2 and 57 lb uplift at joint 3.

Continued on page 2

Julius Lee
Truss Design Engineer
Florida PE No. 34869
2100 Coastal Bay Blvd
Boynton Beach, FL 33435

February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	CJ1	JACK	4	1	J1936244
					Job Reference (optional)

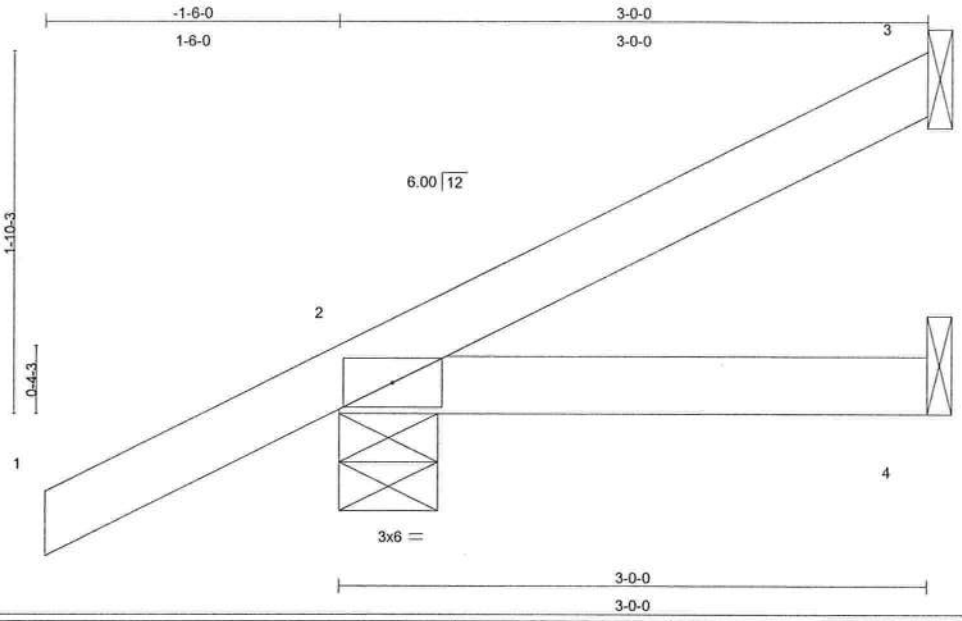
LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1106 Coastal Bay Blvd
Boynton Beach, FL 33435

February 19,20

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	CJ3	JACK	4	1	J1936245
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Feb 15 13:17:09 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	0.20	Vert(LL)	-0.00	2-4	>999	360	MT20	244/190
TCDL	15.0	Lumber Increase	1.25	BC	0.05	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: 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 3-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=54/Mechanical, 2=270/0-6-0, 4=13/Mechanical
Max Horz 2=115(load case 6)
Max Uplift 3=-33(load case 7), 2=-160(load case 6)
Max Grav 3=54(load case 1), 2=270(load case 1), 4=40(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-66/17
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.12

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *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 33 lb uplift at joint 3 and 160 lb uplift at joint 2.

Continued on page 2

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1100 Coastal Bay Blvd
Boynton Beach, FL 33435

February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
					J1936245
L266887	CJ3	JACK	4	1	Job Reference (optional)

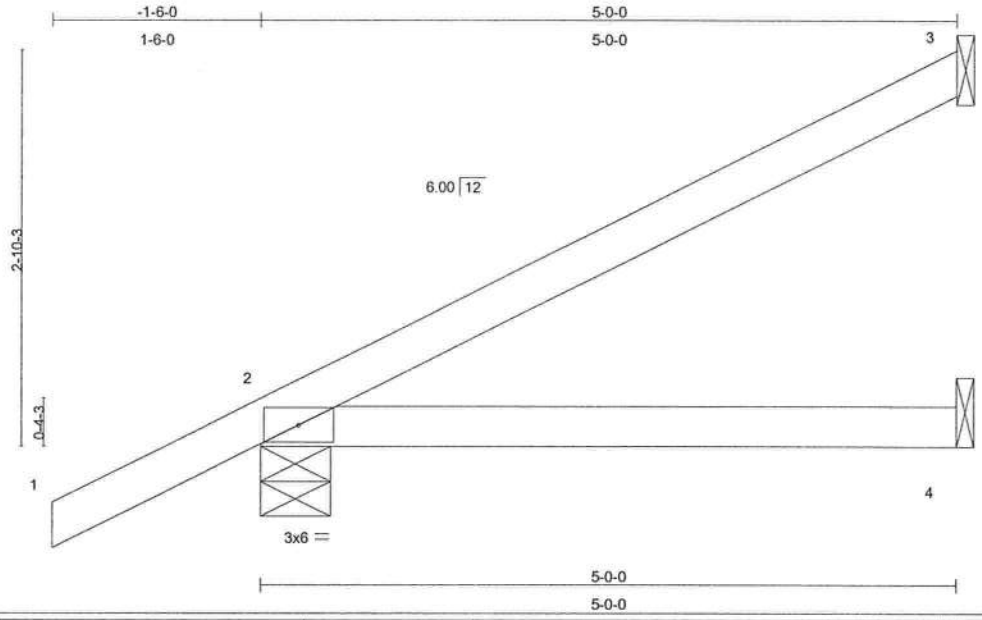
LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1100 Coastal Bay Blvd
Boynton Beach, FL 33435

February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	CJ5	JACK	4	1	J1936246
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Feb 15 13:17:09 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	0.26	Vert(LL)	-0.03	2-4	>999	360	MT20	244/190
TCDL	15.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	-0.04	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: 18 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=141/Mechanical, 2=333/0-6-0, 4=23/Mechanical
Max Horz 2=162(load case 6)
Max Uplift 3=-97(load case 6), 2=-164(load case 6)
Max Grav 3=141(load case 1), 2=333(load case 1), 4=70(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-95/51
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.14

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *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 3 and 164 lb uplift at joint 2.

Continued on page 2

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

February 19,2008

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
					J1936246
L266887	CJ5	JACK	4	1	Job Reference (optional)

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	EJ2	MONO TRUSS	2	1	J1936247
					Job Reference (optional)

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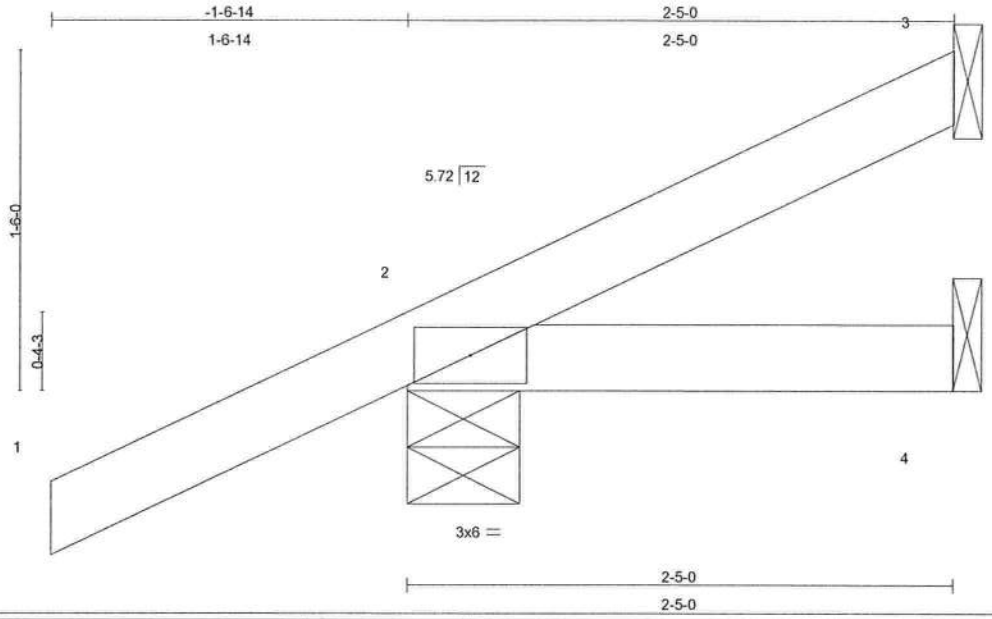

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.22	Vert(LL)	-0.00	2-4	>999	360	MT20	244/190
TCDL	15.0	Lumber Increase	1.25	BC	0.03	Vert(TL)	-0.00	2-4	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code 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 2-5-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=18/Mechanical, 2=267/0-6-0, 4=11/Mechanical
Max Horz 2=99(load case 6)
Max Uplift 3=-19(load case 7), 2=-173(load case 6)
Max Grav 3=18(load case 1), 2=267(load case 1), 4=32(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-62/4
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.12

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *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 19 lb uplift at joint 3 and 173 lb uplift at joint 2.

Continued on page 2

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1100 Coastal Bay Blvd
Boynton Beach, FL 33435

February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	EJ2	MONO TRUSS	2	1	J1936247 Job Reference (optional)

LOAD CASE(S) Standard

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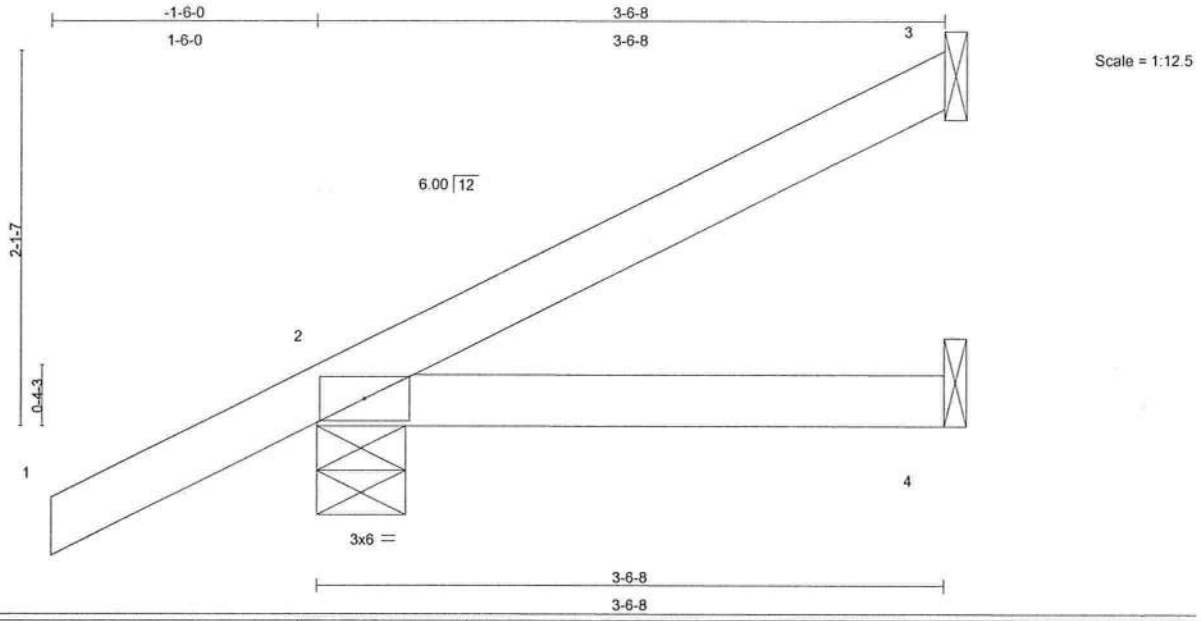
February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	EJ3	MONO TRUSS	3	1	J1936248
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Feb 15 13:17:11 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	0.20	Vert(LL)	-0.01	2-4	>999	360	MT20	244/190
TCDL	15.0	Lumber Increase	1.25	BC	0.07	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: 14 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-6-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=80/Mechanical, 2=285/0-6-0, 4=16/Mechanical
Max Horz 2=128(load case 6)
Max Uplift 3=-52(load case 6), 2=-159(load case 6)
Max Grav 3=80(load case 1), 2=285(load case 1), 4=48(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-71/28
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.13

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *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 52 lb uplift at joint 3 and 159 lb uplift at joint 2.

Continued on page 2

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February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	EJ3	MONO TRUSS	3	1	J1936248
					Job Reference (optional)

LOAD CASE(S) Standard

Julius Lee
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February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	EJ7	MONO TRUSS	5	1	J1936249
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Feb 15 13:17:11 2008 Page 1

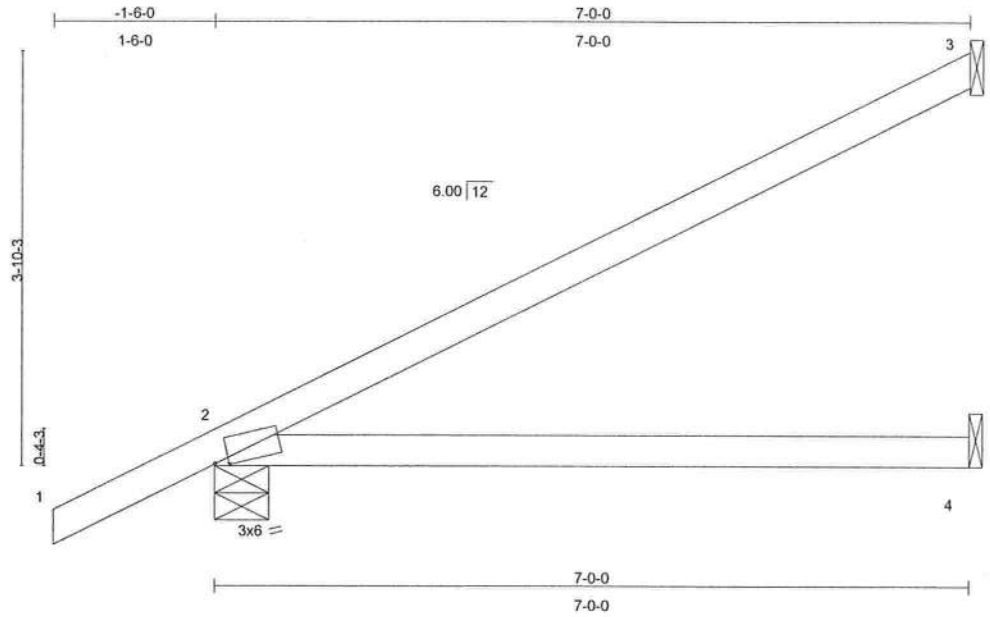

Plate Offsets (X,Y): [2:0-1-9,0-0-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.52	Vert(LL)	0.10	2-4	>814	360	MT20	244/190
TCDL	15.0	Lumber Increase	1.25	BC	0.31	Vert(TL)	-0.19	2-4	>430	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: 25 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=199/Mechanical, 2=406/0-6-0, 4=52/Mechanical
Max Horz 2=149(load case 6)
Max Uplift 3=-87(load case 6), 2=-115(load case 6)
Max Grav 3=199(load case 1), 2=406(load case 1), 4=98(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-125/71
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.84

NOTES
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 87 lb uplift at joint 3 and 115 lb uplift at joint 2.

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February 19,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
					J1936249
L266887	EJ7	MONO TRUSS	5	1	Job Reference (optional)

LOAD CASE(S) Standard

Julius Lee
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Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	HJ2	JACK	2	1	J1936250
					Job Reference (optional)

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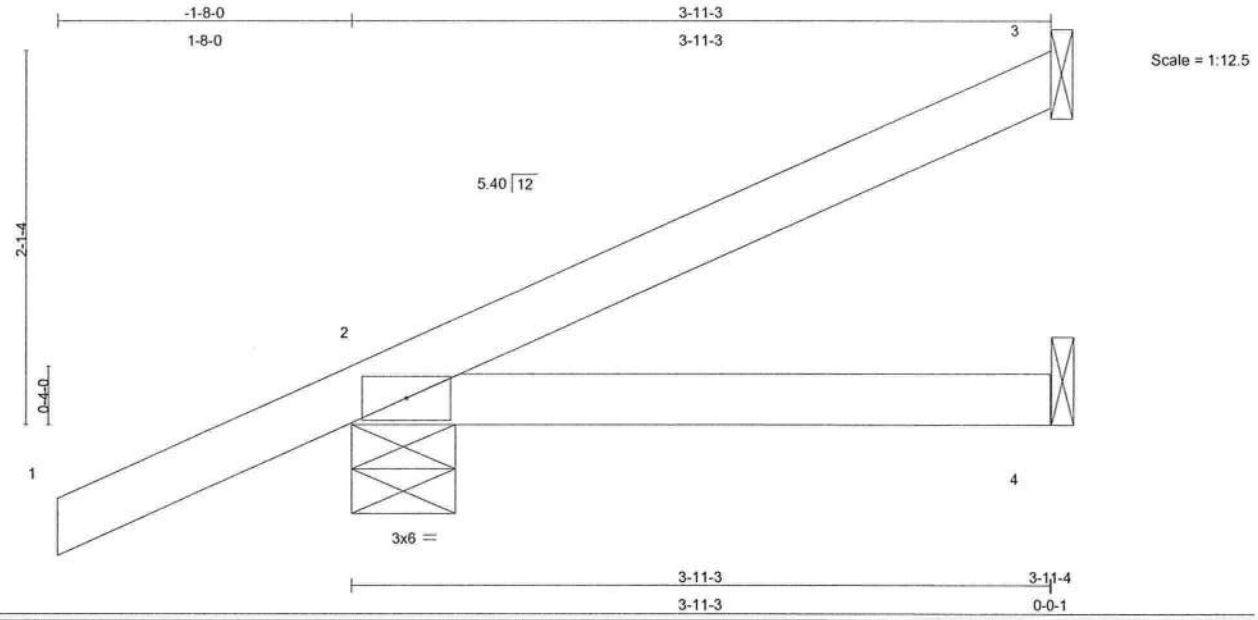

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.01	2-4	>999	360	MT20	244/190
TCDL	15.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	-0.01	2-4	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 15 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 3-11-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=48/Mechanical, 2=228/0-7-0, 4=12/Mechanical
Max Horz 2=82(load case 5)
Max Uplift 3=-18(load case 5), 2=-144(load case 5)
Max Grav 3=48(load case 1), 2=228(load case 1), 4=48(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-38/11
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.10

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
2) *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 18 lb uplift at joint 3 and 144 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).

Continued on page 2

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LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-2=-70

Trapezoidal Loads (plf)

Vert: 2=-5(F=32, B=32)-to-3=-69(F=1, B=1), 2=0(F=5, B=5)-to-4=-10(F=0, B=0)

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February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	HJ9	MONO TRUSS	2	1	J1936251
					Job Reference (optional)

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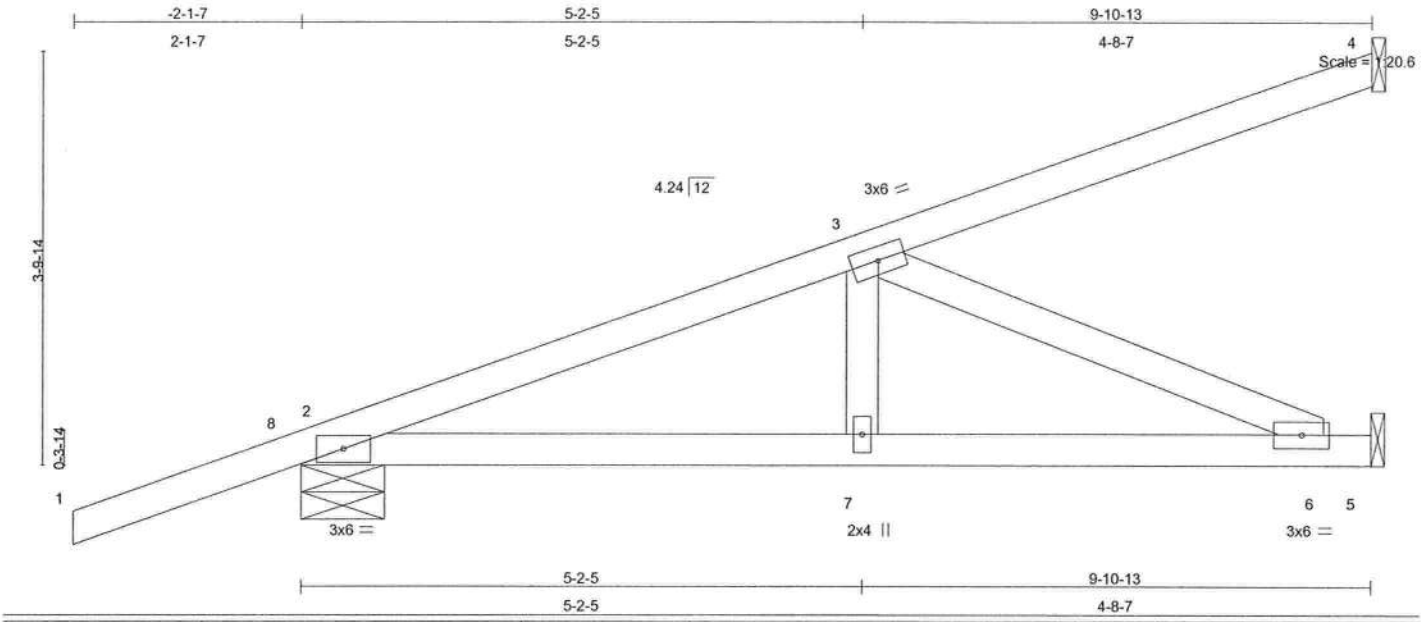

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.57	Vert(LL)	0.04	6-7	>999	360	MT20	244/190
TCDL	15.0	Lumber Increase	1.25	BC	0.38	Vert(TL)	-0.09	6-7	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.31	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 43 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=296/Mechanical, 2=506/0-9-4, 5=320/Mechanical
Max Horz 2=250(load case 3)
Max Uplift 4=-199(load case 3), 2=-221(load case 3), 5=-105(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-8=0/42, 2-8=0/42, 2-3=-757/135, 3-4=-106/73
BOT CHORD 2-7=-312/685, 6-7=-312/685, 5-6=0/0
WEBS 3-7=0/195, 3-6=-747/340

JOINT STRESS INDEX
2 = 0.64, 3 = 0.20, 6 = 0.20 and 7 = 0.14

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
2) *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 199 lb uplift at joint 4, 221 lb uplift at joint 2 and 105 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).

Continued on page 2

Julius Lee
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February 19,2008

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-8=-70

Trapezoidal Loads (plf)

Vert: 8=0(F=35, B=35)-to-4=-173(F=-52, B=-52), 2=-1(F=5, B=5)-to-5=-25(F=-7, B=-7)

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February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	T01	SCISSOR	6	1	J1936252
					Job Reference (optional)

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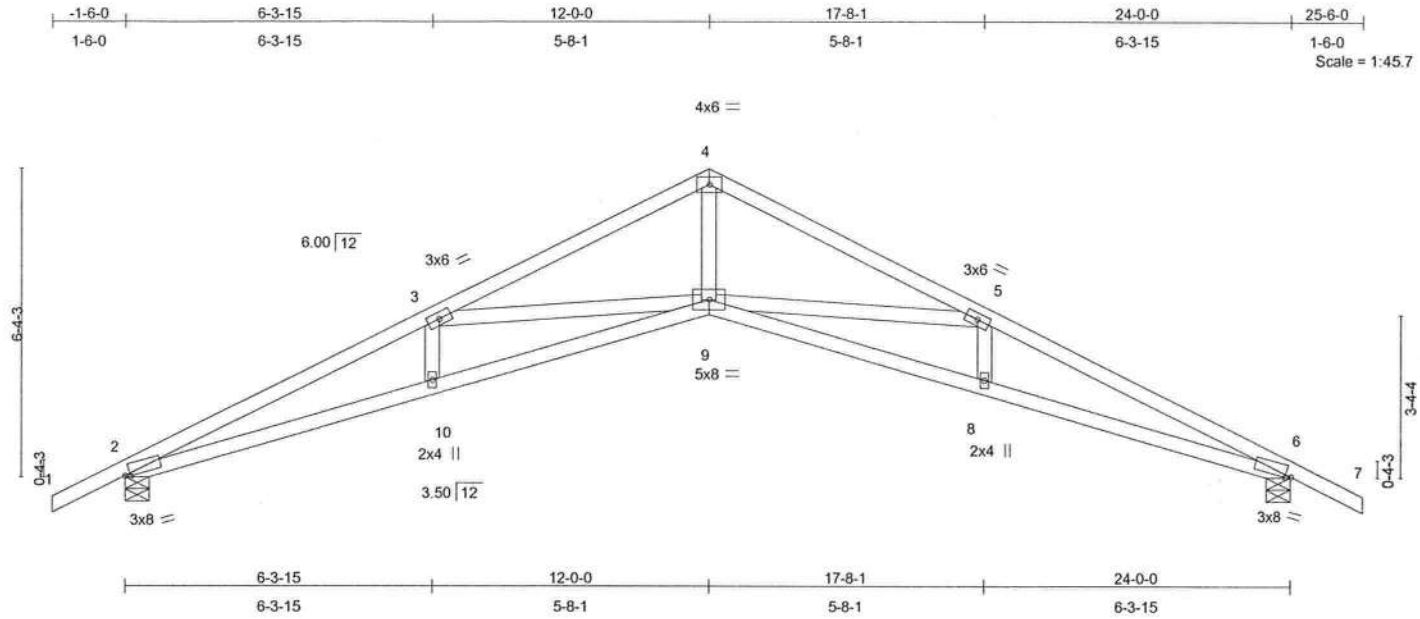

Plate Offsets (X,Y): [2:0-1-6,0-0-7], [6:0-1-6,0-0-7]

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)	0.26	9-10	>999	360	MT20	244/190
TCDL	15.0	Lumber Increase	1.25	BC	0.65	Vert(TL)	-0.61	9-10	>459	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.54	Horz(TL)	0.49	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 106 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 3-0-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-2-14 oc bracing.

REACTIONS (lb/size) 2=1063/0-6-0, 6=1063/0-6-0
Max Horz 2=96(load case 6)
Max Uplift 2=-240(load case 6), 6=-240(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/42, 2-3=-3319/1271, 3-4=-2442/864, 4-5=-2442/864, 5-6=-3319/1271, 6-7=0/42
BOT CHORD 2-10=-1016/2959, 9-10=-1019/2963, 8-9=-1019/2963, 6-8=-1016/2959
WEBS 3-10=0/173, 3-9=-808/498, 4-9=-518/1693, 5-9=-808/498, 5-8=0/173

JOINT STRESS INDEX
2 = 0.78, 3 = 0.39, 4 = 0.79, 5 = 0.39, 6 = 0.78, 8 = 0.33, 9 = 0.96 and 10 = 0.33

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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

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February 19,2008

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Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
					J1936252
L266887	T01	SCISSOR	6	1	Job Reference (optional)

NOTES

5) Bearing at joint(s) 2, 6 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 240 lb uplift at joint 2 and 240 lb uplift at joint 6.

LOAD CASE(S) Standard

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February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	T01A	SCISSORS	2	3	J1936253
					Job Reference (optional)

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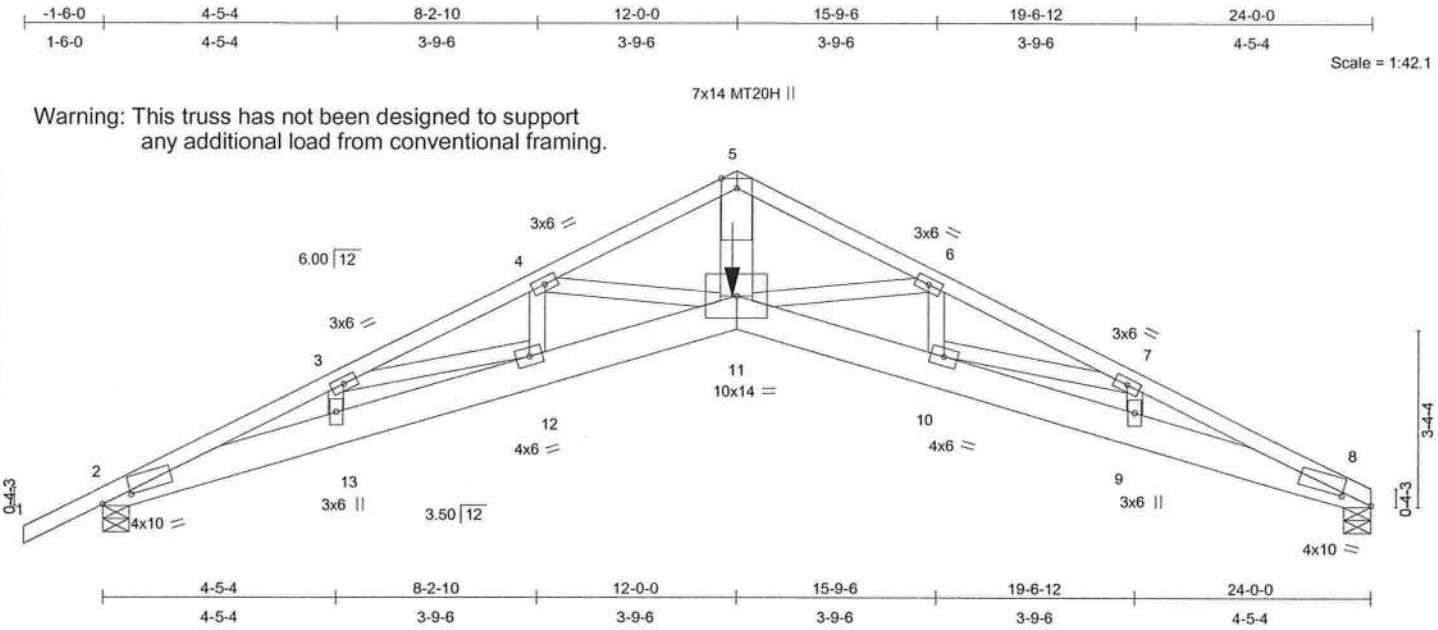

Plate Offsets (X,Y): [2:0-6-13,0-0-6], [8:0-6-13,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.59	Vert(LL)	-0.36	11	>781	360	MT20	244/190
TCDL	15.0	Lumber Increase	1.25	BC	0.51	Vert(TL)	-0.90	11	>312	240	MT20H	187/143
BCLL	10.0	* Rep Stress Incr	NO	WB	0.43	Horz(TL)	0.61	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 460 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.2 *Except*
4-11 2 X 4 SYP No.3, 5-11 2 X 8 SYP No.1D
6-11 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-11-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=4132/0-6-0, 8=4000/0-6-0
Max Horz 2=111(load case 5)
Max Uplift 2=-920(load case 5), 8=-842(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/51, 2-3=-15149/3161, 3-4=-18339/3866, 4-5=-17704/3717, 5-6=-17704/3727, 6-7=-18361/3796, 7-8=-15229/3159
BOT CHORD 2-13=-2905/13722, 12-13=-2991/14108, 11-12=-3557/17002, 10-11=-3429/17023, 9-10=-2915/14183, 8-9=-2836/13804
WEBS 3-13=-1343/331, 3-12=-611/3045, 4-12=-5/165, 4-11=-608/198, 5-11=-3249/15498, 6-11=-627/214, 6-10=-15/170, 7-10=-627/3021, 7-9=-1320/305

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JOINT STRESS INDEX

2 = 0.88, 3 = 0.49, 4 = 0.41, 5 = 1.00, 6 = 0.41, 7 = 0.49, 8 = 0.88, 9 = 0.16, 10 = 0.38, 11 = 0.89, 12 = 0.38 and 13 = 0.16

NOTES

1) Distribute loads equally between all plies. Additional screws (+) are required to distribute the load equally among all plies.
2) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 4 rows at 0-4-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc, 2 X 8 - 2 rows at 0-9-0 oc.

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Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	T01A	SCISSORS	2	3	J1936253 Job Reference (optional)

NOTES

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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) All plates are MT20 plates unless otherwise indicated.
8) The following joint(s) require plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection: 5.
9) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
10) Bearing at joint(s) 2, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 920 lb uplift at joint 2 and 842 lb uplift at joint 8.

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-5=-70, 5-8=-70, 2-11=-10, 8-11=-10
   Concentrated Loads (lb)
   Vert: 11=-6130(F)

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Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	T01G	GABLE	1	1	J1936254
					Job Reference (optional)

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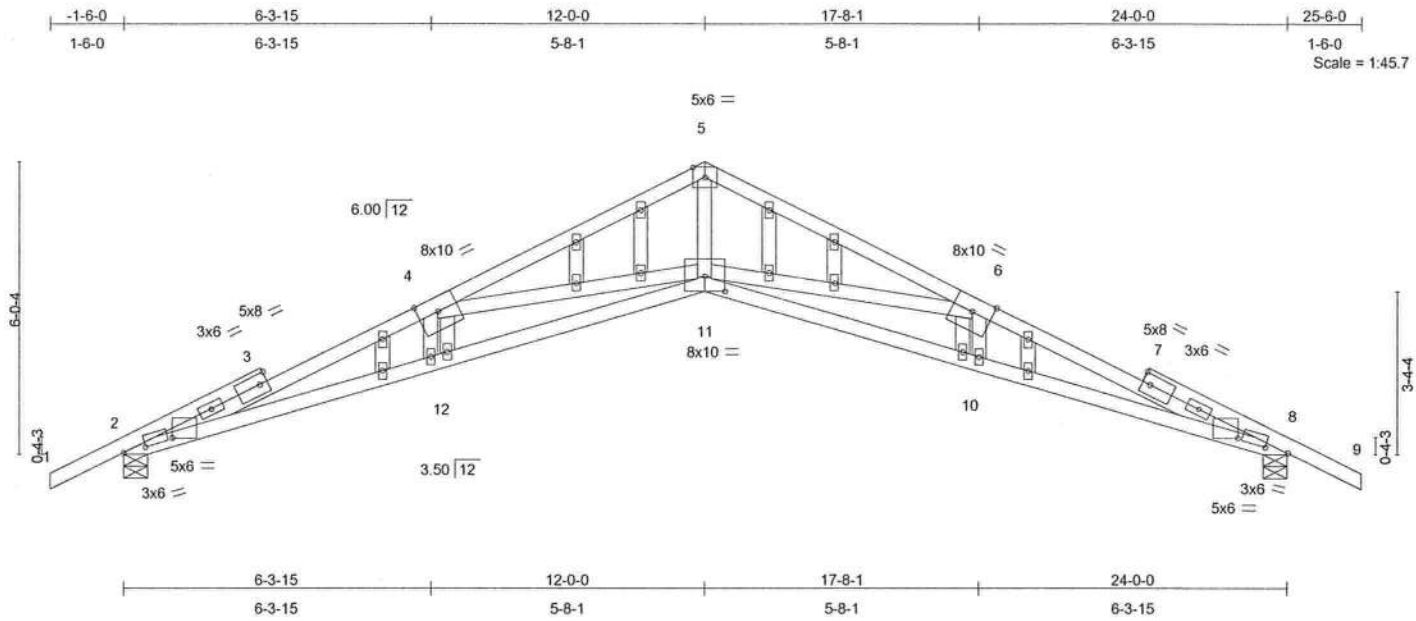

Plate Offsets (X,Y): [2:0-5-11,0-0-3], [2:1-0-2,0-3-11], [8:0-5-11,0-0-3], [8:1-0-2,0-3-11], [11:0-5-0,0-3-10]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.83	Vert(LL)	0.41	11-12	>688	360	MT20	244/190
TCDL	15.0	Lumber Increase	1.25	BC	0.78	Vert(TL)	-0.91	11-12	>308	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.80	Horz(TL)	0.69	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 124 lb	

LUMBER

TOP CHORD	2 X 4 SYP No.1D *Except* 1-3 2 X 4 SYP No.2, 7-9 2 X 4 SYP No.2
BOT CHORD	2 X 4 SYP No.1D
WEBS	2 X 4 SYP No.3
OTHERS	2 X 4 SYP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-3-7 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 5-4-5 oc bracing.

REACTIONS (lb/size) 2=1198/0-6-0, 8=1198/0-6-0
Max Horz 2=106(load case 6)
Max Uplift 2=-453(load case 6), 8=-453(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/48, 2-3=-4572/1784, 3-4=-4479/1791, 4-5=-3129/1127, 5-6=-3129/1127, 6-7=-4479/1791, 7-8=-4572/1784, 8-9=0/48
BOT CHORD	2-12=-1543/4195, 11-12=-1548/4205, 10-11=-1548/4205, 8-10=-1543/4195
WEBS	4-12=0/153, 4-11=-1353/748, 5-11=-726/2233, 6-11=-1353/748, 6-10=0/153

JOINT STRESS INDEX

2 = 0.83, 2 = 0.95, 3 = 0.00, 3 = 0.50, 3 = 0.82, 4 = 0.30, 4 = 0.00, 5 = 0.76, 6 = 0.30, 6 = 0.00, 7 = 0.00, 7 = 0.82, 7 = 0.50, 8 = 0.83, 8 = 0.95, 10 = 0.33, 11 = 0.74, 12 = 0.33, 13 = 0.33, 14 = 0.33, 15 = 0.33, 16 = 0.33, 17 = 0.33, 18 = 0.33, 19 = 0.33, 20 = 0.33, 21 = 0.33, 22 = 0.33, 23 = 0.33, 24 = 0.33, 25 = 0.33 and 26 = 0.33

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NOTES

1) Unbalanced roof live loads have been considered for this design.

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Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	T01G	GABLE	1	1	J1936254
					Job Reference (optional)

NOTES

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 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) 2, 8 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 453 lb uplift at joint 2 and 453 lb uplift at joint 8.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
11) Gable truss supports 1' 0" max. rake gable overhang.

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-5=-80(F=-10), 5-9=-80(F=-10), 2-11=-10, 8-11=-10

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Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	T02	MONO SCISSOR	12	1	J1936255
					Job Reference (optional)

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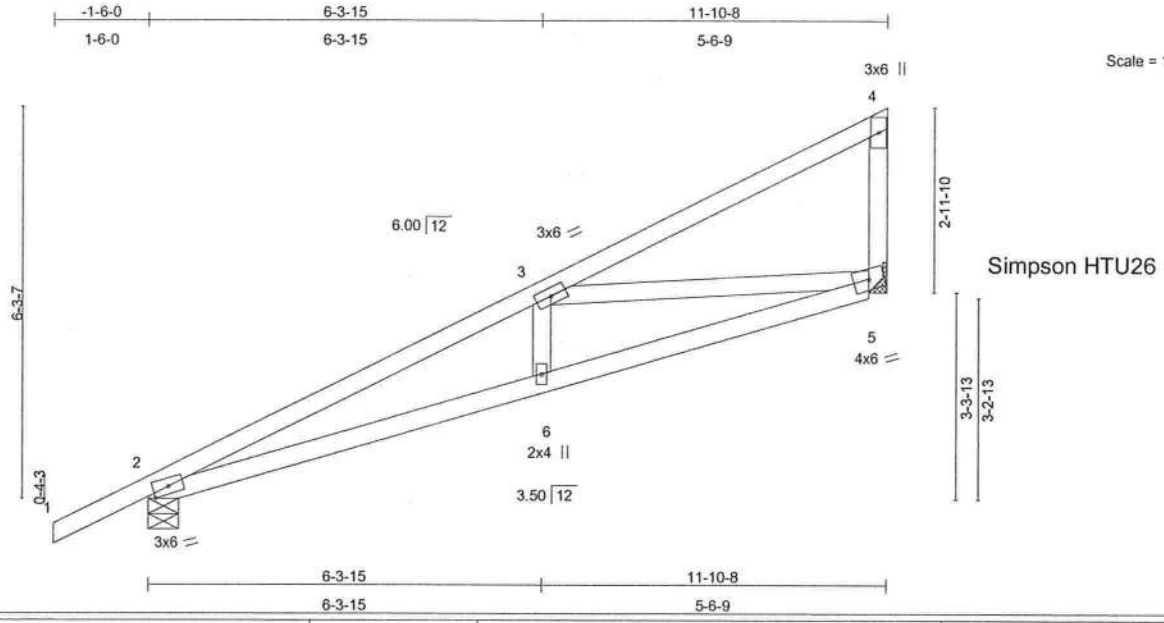

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	0.07	2-6	>999	360	MT20	244/190
TCDL	15.0	Lumber Increase	1.25	BC	0.30	Vert(TL)	-0.12	2-6	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.48	Horz(TL)	0.02	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 54 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 5-4-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-3-14 oc bracing.

REACTIONS (lb/size) 2=591/0-6-0, 5=450/Mechanical
Max Horz 2=224(load case 6)
Max Uplift 2=-132(load case 6), 5=-145(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/42, 2-3=-1211/528, 3-4=-161/9, 4-5=-143/132
BOT CHORD 2-6=-735/1031, 5-6=-738/1032
WEBS 3-6=0/186, 3-5=-919/656

JOINT STRESS INDEX
2 = 0.41, 3 = 0.25, 4 = 0.35, 5 = 0.58 and 6 = 0.13

NOTES
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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

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Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
					J1936255
L266887	T02	MONO SCISSOR	12	1	Job Reference (optional)

NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 132 lb uplift at joint 2 and 145 lb uplift at joint 5.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	T03	SPECIAL	1	2	J1936256
					Job Reference (optional)

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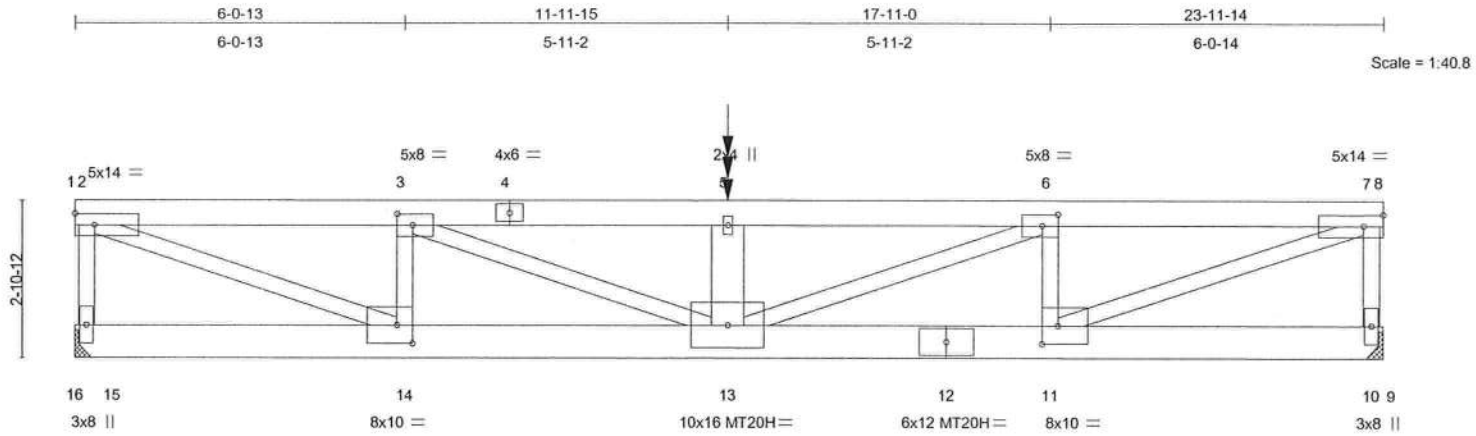

Simpson HGUS28-2

Simpson HGUS28-2

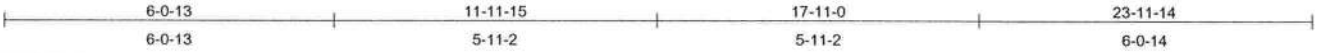

Plate Offsets (X,Y): [3:0-3-8,0-2-8], [6:0-3-8,0-2-8], [11:0-3-8,0-4-0], [14:0-3-8,0-4-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.79	Vert(LL)	-0.27	13	>999	360	MT20	244/190
TCDL	15.0	Lumber Increase	1.25	BC	0.78	Vert(TL)	-0.68	13	>417	240	MT20H	187/143
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.87	Horz(TL)	-0.06	15	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 362 lb	

LUMBER

TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 8 SYP No.1D
WEBS 2 X 4 SYP No.3 *Except*
7-10 2 X 4 SYP No.2, 2-15 2 X 4 SYP No.2
7-11 2 X 4 SYP No.1D, 5-13 2 X 8 SYP No.1D
2-14 2 X 4 SYP No.1D

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-11-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 10=6130/Mechanical, 15=6130/Mechanical
Max Uplift 10=-1080(load case 4), 15=-1080(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 7-10=-5323/993, 1-2=0/0, 2-3=-11743/2080, 3-4=-16773/3032, 4-5=-16773/3032, 5-6=-16773/3032, 6-7=-11743/2080, 7-8=0/0, 2-15=-5323/993
BOT CHORD 15-16=0/0, 14-15=-109/586, 13-14=-2080/11743, 12-13=-2080/11743, 11-12=-2080/11743, 10-11=-109/586, 9-10=0/0
WEBS 7-11=-2125/12029, 6-11=-3064/674, 6-13=-1025/5415, 5-13=-2933/694, 3-13=-1025/5415, 3-14=-3064/674, 2-14=-2125/12029

JOINT STRESS INDEX

2 = 0.83, 3 = 0.61, 4 = 0.90, 5 = 0.86, 6 = 0.61, 7 = 0.83, 10 = 0.83, 11 = 0.97, 12 = 0.79, 13 = 0.69, 14 = 0.97 and 15 = 0.83

NOTES

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc, 2 X 6 - 2 rows at 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 2 rows at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc, 2 X 8 - 2 rows at 0-4-0 oc.

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Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	T03	SPECIAL	1	2	J1936256
					Job Reference (optional)

NOTES

2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.
4) Provide adequate drainage to prevent water ponding.
5) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) All plates are MT20 plates unless otherwise indicated.
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 1080 lb uplift at joint 10 and 1080 lb uplift at joint 15.
9) Girder carries tie-in span(s): 11-10-8 from 0-0-0 to 23-11-14

Loading has been calculated by the truss manufacturer. It is the responsibility of the Architect/Engineer of Record to verify and approve the loading.

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 9-16=-232(F=-222)
   Concentrated Loads (lb)
   Vert: 5=-2520(F)
   Trapezoidal Loads (plf)
   Vert: 1=-240(F=-210)-to-2=-236(F=-206), 2=-276(F=-206)-to-5=-70, 5=-70-to-7=-276(F=-206), 7=-236(F=-206)-to-8=-240(F=-210)

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Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	T04	MONO TRUSS	1	1	J1936257
					Job Reference (optional)

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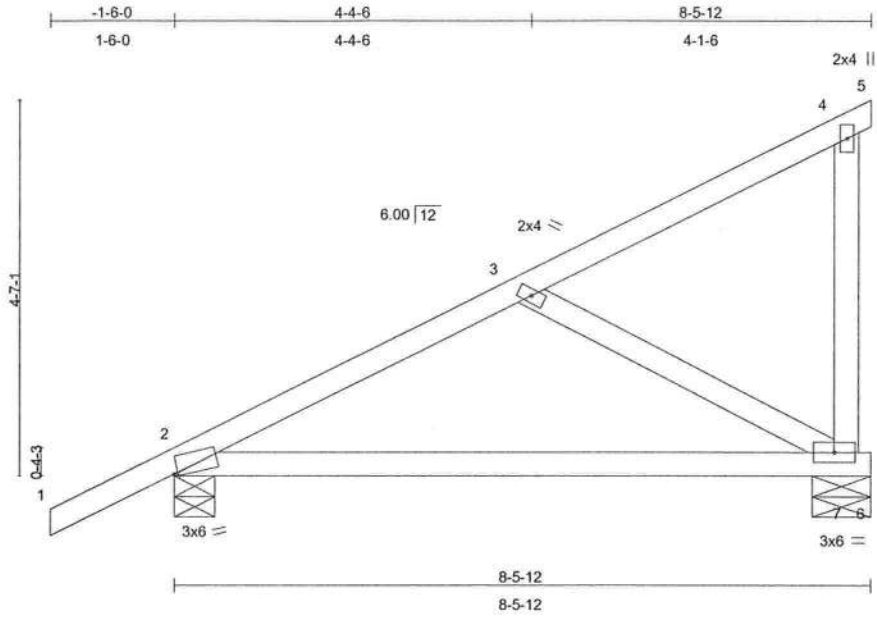

Plate Offsets (X,Y): [2:0-0-10,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	-0.08	2-7	>999	360	MT20	244/190
TCDL	15.0	Lumber Increase	1.25	BC	0.19	Vert(TL)	-0.14	2-7	>661	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.11	Horz(TL)	0.00	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 42 lb	

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

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

REACTIONS (lb/size) 7=316/0-8-7, 2=453/0-6-0
Max Horz 2=172(load case 6)
Max Uplift 7=-100(load case 6), 2=-117(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-402/103, 3-4=-94/30, 4-5=-4/0, 4-7=-125/121
BOT CHORD 2-7=-269/300, 6-7=0/0
WEBS 3-7=-313/299

JOINT STRESS INDEX
2 = 0.89, 3 = 0.16, 4 = 0.56 and 7 = 0.54

NOTES
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 100 lb uplift at joint 7 and 117 lb uplift at joint 2.

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Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
					J1936257
L266887	T04	MONO TRUSS	1	1	Job Reference (optional)

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	T04A	MONO TRUSS	1	1	J1936258
					Job Reference (optional)

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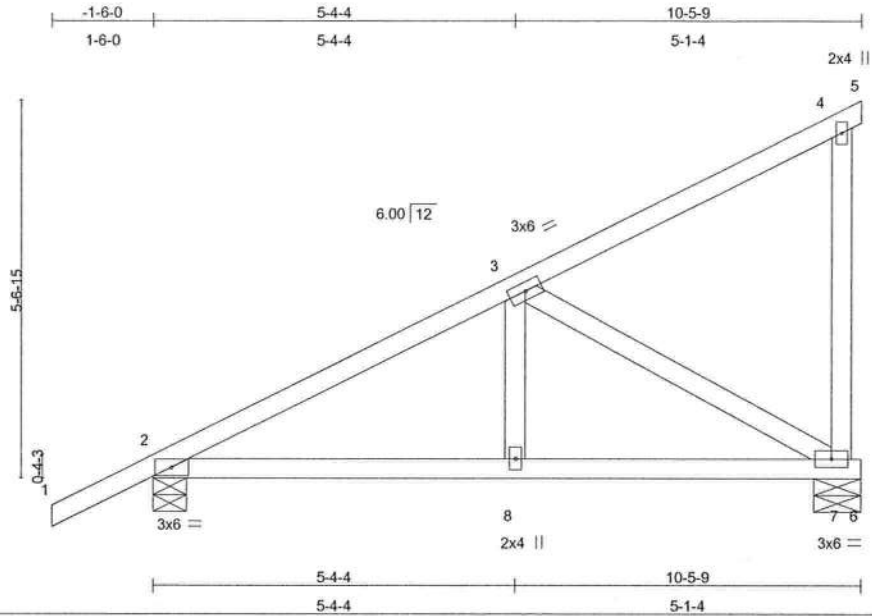

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.25	Vert(LL)	-0.01	2-8	>999	360	MT20	244/190
TCDL	15.0	Lumber Increase	1.25	BC	0.15	Vert(TL)	-0.04	2-8	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.24	Horz(TL)	0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 54 lb	

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

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

REACTIONS (lb/size) 7=398/0-8-7, 2=530/0-6-0
Max Horz 2=204(load case 6)
Max Uplift 7=-128(load case 6), 2=-125(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-543/98, 3-4=-105/46, 4-5=-4/0, 4-7=-148/129
BOT CHORD 2-8=-300/409, 7-8=-300/409, 6-7=0/0
WEBS 3-8=0/167, 3-7=-449/328

JOINT STRESS INDEX
2 = 0.29, 3 = 0.16, 4 = 0.68, 7 = 0.17 and 8 = 0.12

NOTES
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 128 lb uplift at joint 7 and 125 lb uplift at joint 2.

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LOAD CASE(S) Standard

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	T04B	COMMON	1	1	J1936259
					Job Reference (optional)

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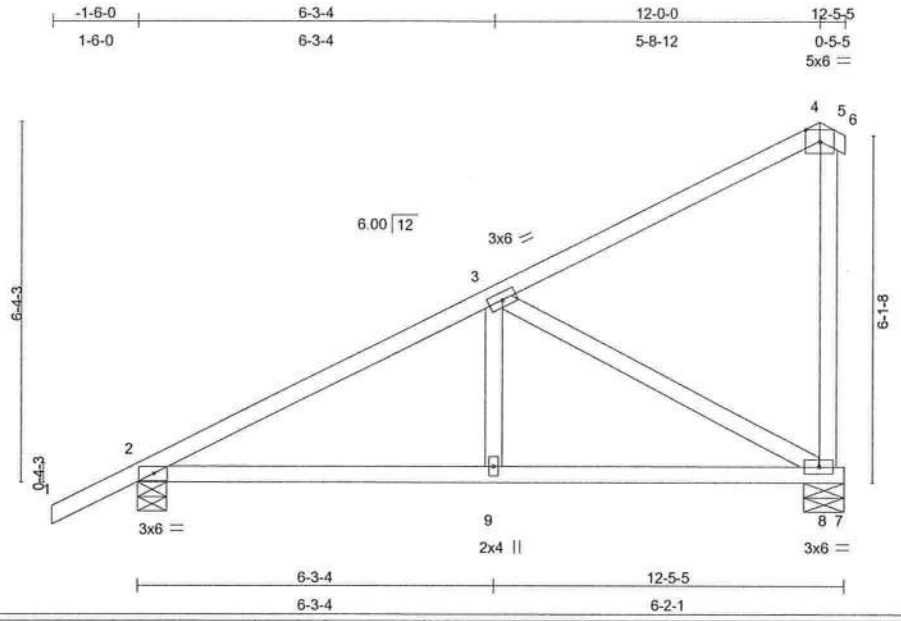

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.38	Vert(LL)	-0.03	2-9	>999	360	MT20	244/190
TCDL	15.0	Lumber Increase	1.25	BC	0.21	Vert(TL)	-0.07	2-9	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.43	Horz(TL)	0.01	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 64 lb	

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

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

REACTIONS (lb/size) 2=607/0-6-0, 8=479/0-8-7
Max Horz 2=226(load case 6)
Max Uplift 2=-138(load case 6), 8=-144(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-674/134, 3-4=-129/50, 4-5=-97/82, 5-6=0/4, 5-8=-179/146
BOT CHORD 2-9=-357/516, 8-9=-357/516, 7-8=0/0
WEBS 3-9=0/203, 3-8=-560/386

JOINT STRESS INDEX
2 = 0.41, 3 = 0.18, 4 = 0.52, 5 = 0.00, 8 = 0.33 and 9 = 0.14

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) -1-6-0 to 12-5-5 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

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Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
					J1936259
L266887	T04B	COMMON	1	1	Job Reference (optional)

NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 138 lb uplift at joint 2 and 144 lb uplift at joint 8.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	T04C	COMMON	1	1	J1936260
					Job Reference (optional)

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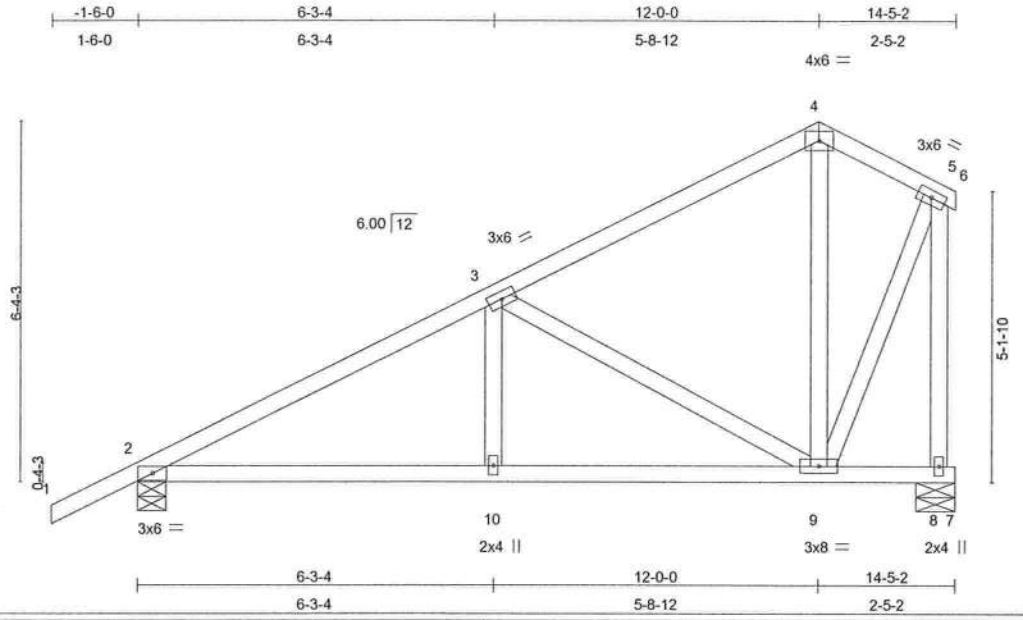

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.03	2-10	>999	360	MT20	244/190
TCDL	15.0	Lumber Increase	1.25	BC	0.23	Vert(TL)	-0.07	2-10	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.41	Horz(TL)	0.01	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 85 lb	

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

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

REACTIONS (lb/size) 2=685/0-6-0, 8=559/0-8-7
Max Horz 2=206(load case 6)
Max Uplift 2=-167(load case 6), 8=-127(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-839/272, 3-4=-306/114, 4-5=-209/131, 5-6=0/4, 5-8=-547/307
BOT CHORD 2-10=-413/660, 9-10=-413/660, 8-9=-1/3, 7-8=0/0
WEBS 3-10=0/199, 3-9=-542/350, 4-9=-136/112, 5-9=-271/472

JOINT STRESS INDEX
2 = 0.48, 3 = 0.17, 4 = 0.46, 5 = 0.39, 8 = 0.19, 9 = 0.55 and 10 = 0.14

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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 167 lb uplift at joint 2 and 127 lb uplift at joint 8.

Continued on page 2

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February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
					J1936260
L266887	T04C	COMMON	1	1	Job Reference (optional)

LOAD CASE(S) Standard

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February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY	J1936261
L266887	T04D	COMMON	1	1	Job Reference (optional)	

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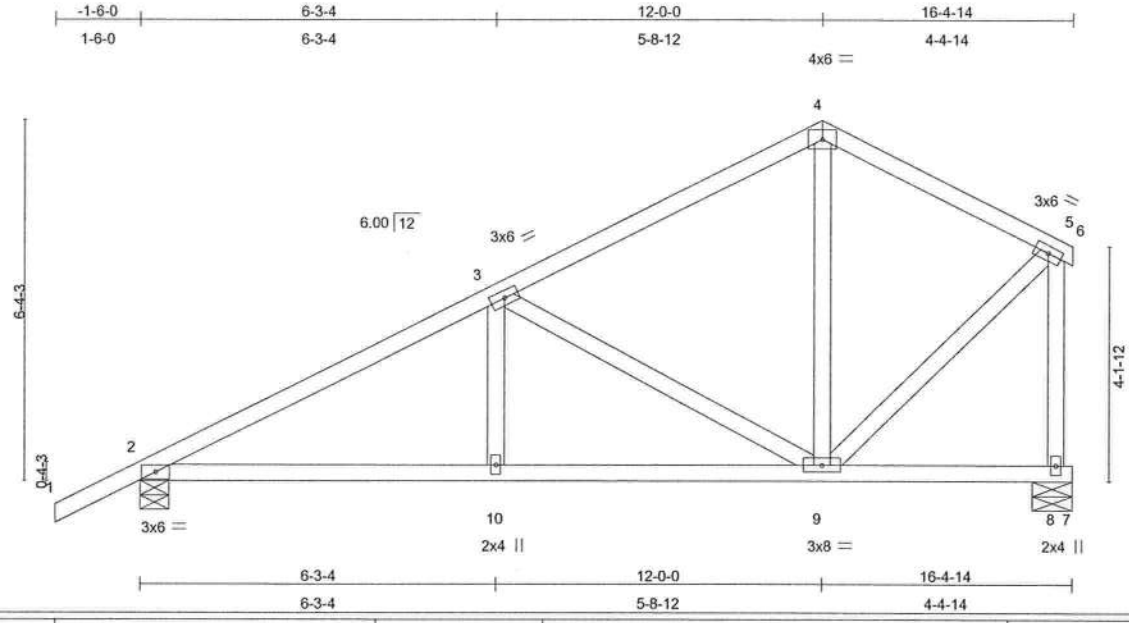

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.30	Vert(LL)	-0.03	2-10	>999	360	MT20	244/190
TCDL	15.0	Lumber Increase	1.25	BC	0.24	Vert(TL)	-0.08	2-10	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.40	Horz(TL)	0.02	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 90 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 5-11-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-5-5 oc bracing.

REACTIONS (lb/size) 2=764/0-6-0, 8=640/0-8-7
Max Horz 2=186(load case 6)
Max Uplift 2=-189(load case 6), 8=-116(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-1004/374, 3-4=-479/231, 4-5=-436/238, 5-6=0/4, 5-8=-614/318
BOT CHORD 2-10=-445/806, 9-10=-445/806, 8-9=-10/20, 7-8=0/0
WEBS 3-10=0/196, 3-9=-537/323, 4-9=-23/107, 5-9=-212/456

JOINT STRESS INDEX
2 = 0.53, 3 = 0.39, 4 = 0.50, 5 = 0.44, 8 = 0.33, 9 = 0.56 and 10 = 0.33

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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 189 lb uplift at joint 2 and 116 lb uplift at joint 8.

Continued on page 2

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
					J1936261
L266887	T04D	COMMON	1	1	Job Reference (optional)

LOAD CASE(S) Standard

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February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	T04E	COMMON	1	1	J1936262
					Job Reference (optional)

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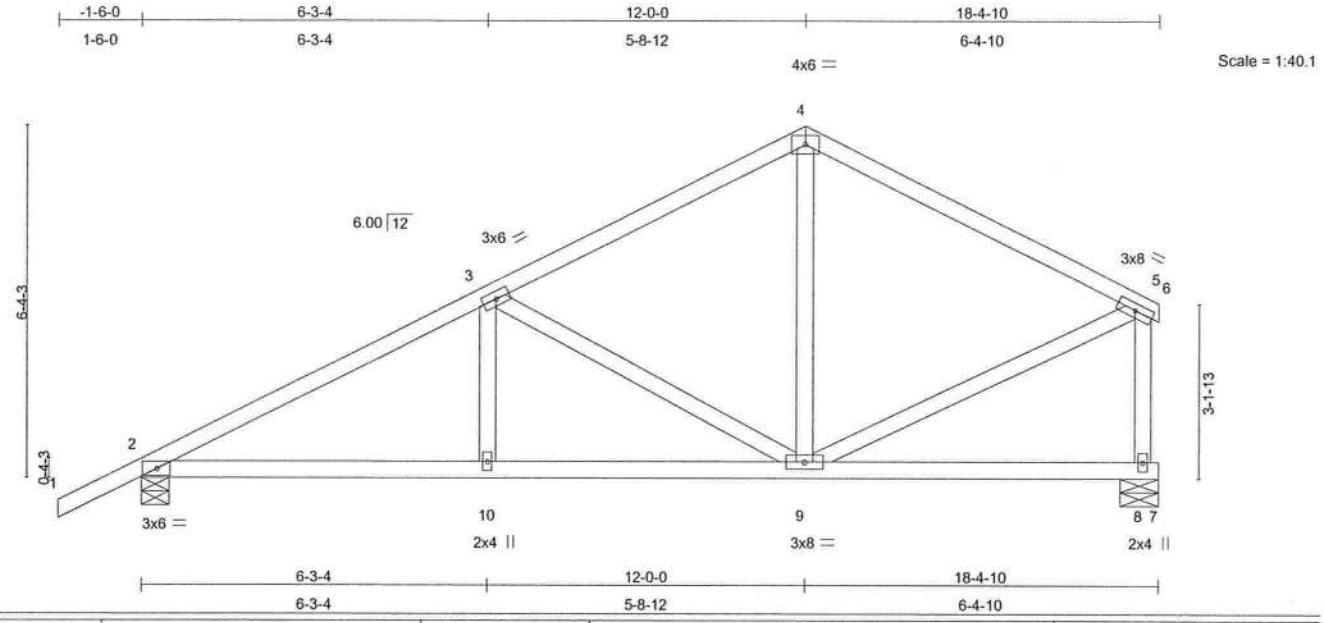

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.64	Vert(LL)	-0.03	2-10	>999	360	MT20	244/190
TCDL	15.0	Lumber Increase	1.25	BC	0.27	Vert(TL)	-0.09	2-10	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.39	Horz(TL)	0.02	8	n/a	n/a		
BCDL	5.0	Code 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 5-6-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-2-0 oc bracing.

REACTIONS (lb/size) 2=842/0-6-0, 8=720/0-8-7
Max Horz 2=166(load case 6)
Max Uplift 2=-207(load case 6), 8=-110(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-1168/465, 3-4=-655/333, 4-5=-658/326, 5-6=0/4, 5-8=-680/340
BOT CHORD 2-10=-471/949, 9-10=-471/949, 8-9=-43/76, 7-8=0/0
WEBS 3-10=0/190, 3-9=-527/302, 4-9=-22/203, 5-9=-183/487

JOINT STRESS INDEX
2 = 0.59, 3 = 0.39, 4 = 0.68, 5 = 0.83, 8 = 0.77, 9 = 0.56 and 10 = 0.33

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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 207 lb uplift at joint 2 and 110 lb uplift at joint 8.

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Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
					J1936262
L266887	T04E	COMMON	1	1	Job Reference (optional)

LOAD CASE(S) Standard

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February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	T04F	SPECIAL	1	1	J1936263
					Job Reference (optional)

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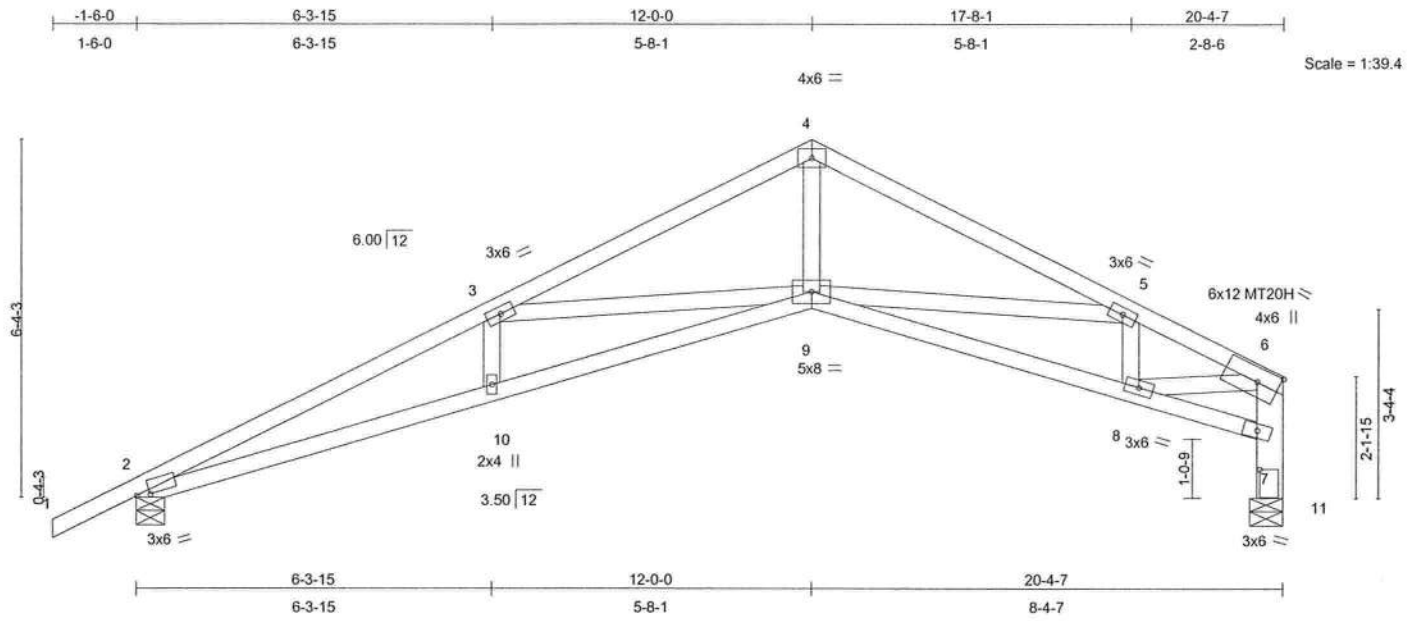

Plate Offsets (X,Y): [2:0-2-14,0-0-7], [4:5-6-3,7-11-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	0.17	9-10	>999	360	MT20	244/190
TCDL	15.0	Lumber Increase	1.25	BC	0.55	Vert(TL)	-0.34	9-10	>699	240	MT20H	187/143
BCLL	10.0	* Rep Stress Incr	YES	WB	0.49	Horz(TL)	0.27	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 99 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*
6-11 2 X 6 SYP No.1D

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-3 oc bracing.

REACTIONS (lb/size) 2=923/0-6-0, 11=790/0-6-15
Max Horz 2=146(load case 6)
Max Uplift 2=-221(load case 6), 11=-127(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/42, 2-3=-2697/1182, 3-4=-1760/770, 4-5=-1757/767, 5-6=-1377/631, 7-11=-790/362, 6-7=-776/357
BOT CHORD 2-10=-1096/2390, 9-10=-1098/2392, 8-9=-573/1273, 7-8=-21/54
WEBS 3-10=0/177, 3-9=-850/503, 4-9=-425/1078, 5-9=-54/371, 5-8=-444/254, 6-8=-525/1166

JOINT STRESS INDEX
2 = 0.80, 3 = 0.39, 4 = 0.64, 4 = 0.00, 5 = 0.39, 6 = 0.20, 7 = 0.15, 8 = 0.59, 9 = 0.77 and 10 = 0.33

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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.

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February 19,2008

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Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	T04F	SPECIAL	1	1	J1936263 Job Reference (optional)

NOTES

3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All plates are MT20 plates unless otherwise indicated.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Bearing at joint(s) 2, 11 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 221 lb uplift at joint 2 and 127 lb uplift at joint 11.

LOAD CASE(S) Standard

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February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	T04G	GABLE	1	1	J1936264
					Job Reference (optional)

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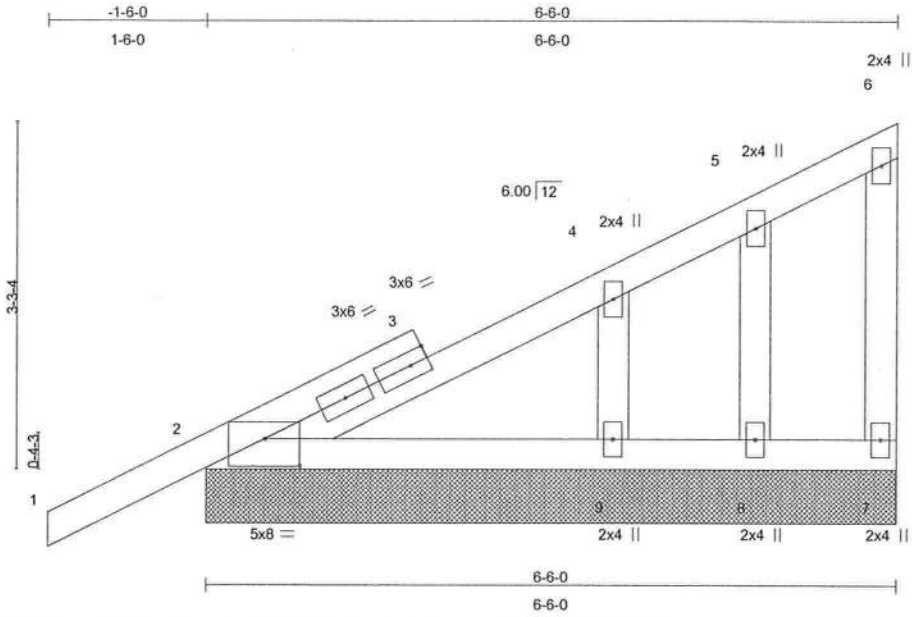

Plate Offsets (X,Y): [2:0-4-0,0-3-1]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.20	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	15.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	-0.00	1	n/r	90		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.05	Horz(TL)	0.00		n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 35 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=295/6-6-0, 7=54/6-6-0, 8=51/6-6-0, 9=291/6-6-0
Max Horz 2=179(load case 6)
Max Uplift 2=-134(load case 6), 7=-25(load case 6), 8=-50(load case 6), 9=-109(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/51, 2-3=-153/0, 3-4=-151/66, 4-5=-54/0, 5-6=-21/17, 6-7=-47/45
BOT CHORD	2-9=0/0, 8-9=0/0, 7-8=0/0
WEBS	5-8=-53/70, 4-9=-249/216

JOINT STRESS INDEX

2 = 0.61, 3 = 0.00, 3 = 0.24, 3 = 0.24, 4 = 0.11, 5 = 0.04, 6 = 0.02, 7 = 0.03, 8 = 0.04 and 9 = 0.12

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) 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"

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February 19,2008

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Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	T04G	GABLE	1	1	J1936264
					Job Reference (optional)

NOTES

3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 1-4-0 oc.
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 134 lb uplift at joint 2, 25 lb uplift at joint 7, 50 lb uplift at joint 8 and 109 lb uplift at joint 9.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 2-7=-10, 1-6=-80(F=-10)

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February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	T04H	SPECIAL	1	1	J1936265
					Job Reference (optional)

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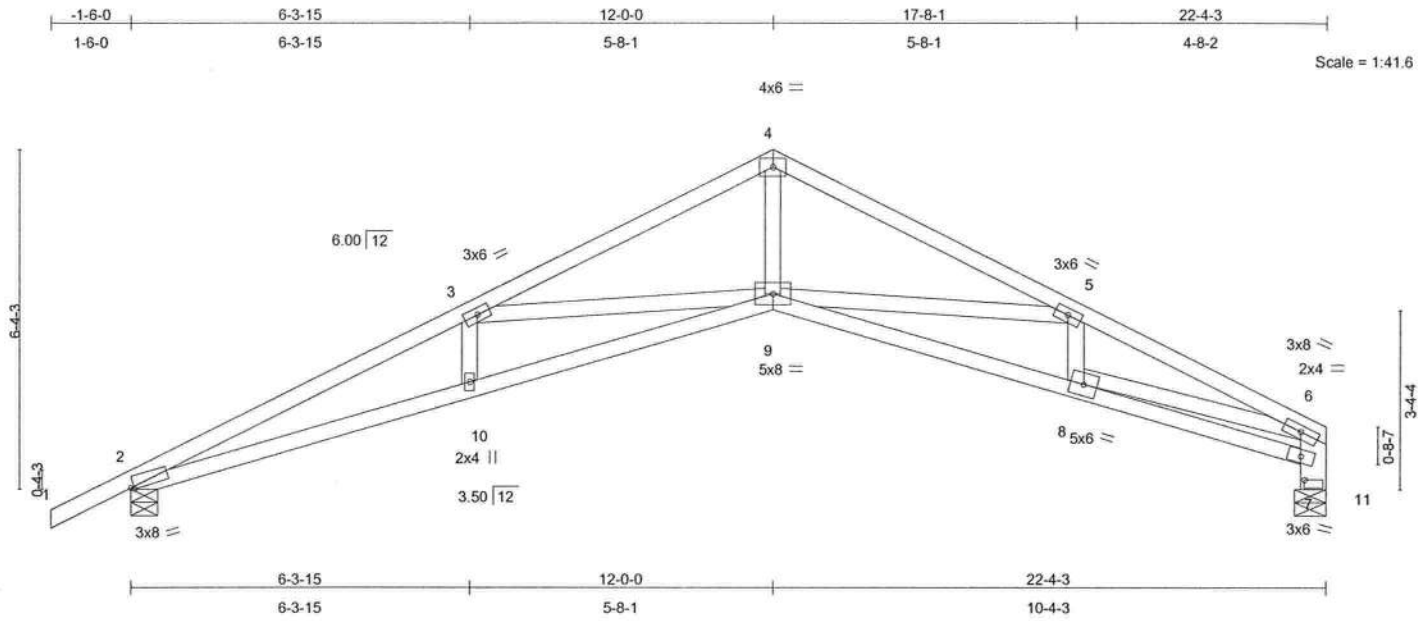

Plate Offsets (X,Y): [2:0-0-12,Edge], [4:9-11-8,5-10-1]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	0.20	9-10	>999	360	MT20	244/190
TCDL	15.0	Lumber Increase	1.25	BC	0.46	Vert(TL)	-0.42	9-10	>629	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.69	Horz(TL)	0.31	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 107 lb	

LUMBER

TOP CHORD	2 X 4 SYP No.1D
BOT CHORD	2 X 4 SYP No.1D
WEBS	2 X 4 SYP No.3 *Except* 6-11 2 X 6 SYP No.1D

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-7-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 2=1002/0-6-0, 11=870/0-6-15
Max Horz 2=126(load case 6)
Max Uplift 2=-232(load case 6), 11=-146(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/42, 2-3=-3047/1293, 3-4=-2149/893, 4-5=-2147/891, 5-6=-2413/1063
BOT CHORD	2-10=-1145/2710, 9-10=-1148/2714, 8-9=-941/2219, 7-8=-13/21
WEBS	3-10=0/174, 3-9=-823/491, 4-9=-538/1425, 5-9=-415/292, 7-11=-870/395, 6-7=-841/398, 5-8=-239/161, 6-8=-909/2148

JOINT STRESS INDEX

2 = 0.77, 3 = 0.39, 4 = 0.67, 4 = 0.00, 5 = 0.39, 6 = 0.83, 7 = 0.15, 8 = 0.62, 9 = 0.88 and 10 = 0.33

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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.

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February 19,2008

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Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
					J1936265
L266887	T04H	SPECIAL	1	1	Job Reference (optional)

NOTES

4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 2, 11 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 232 lb uplift at joint 2 and 146 lb uplift at joint 11.

LOAD CASE(S) Standard

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February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	T05	HIP	1	1	J1936266
					Job Reference (optional)

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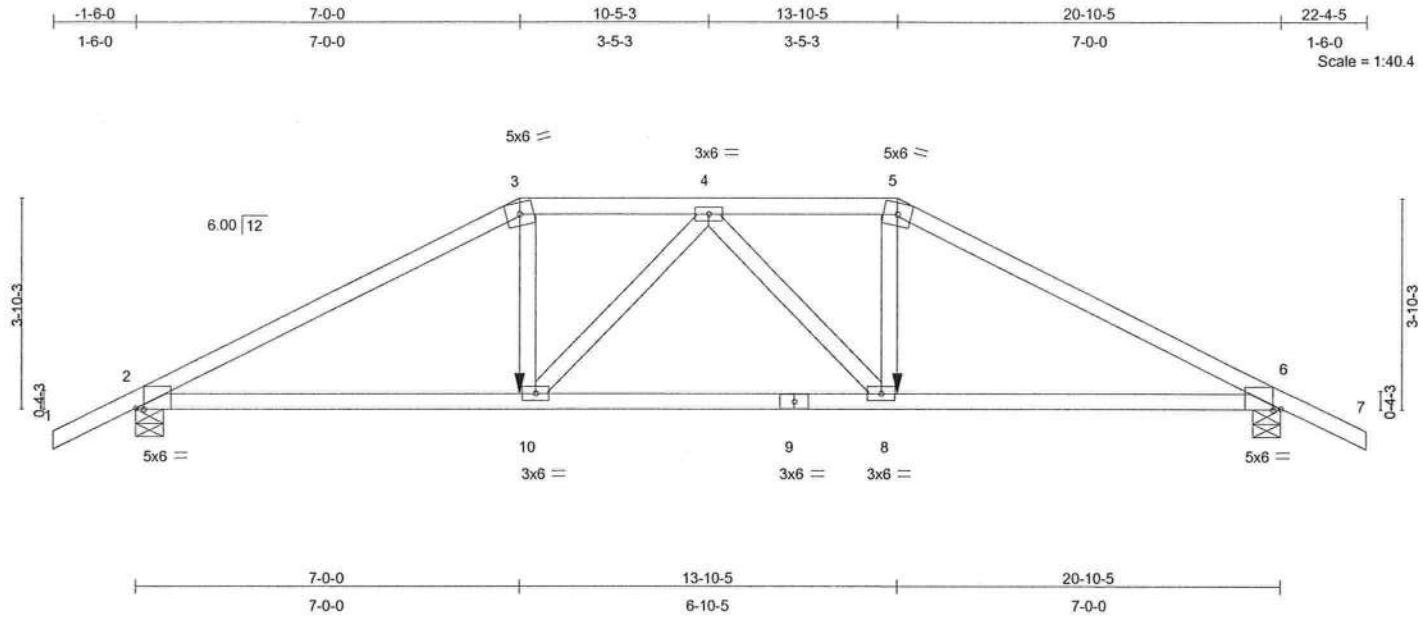

Plate Offsets (X,Y): [2:0-1-11,Edge], [6:0-1-11,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.58	Vert(LL)	-0.09	8-10	>999	360	MT20	244/190
TCDL	15.0	Lumber Increase	1.25	BC	0.66	Vert(TL)	-0.28	8-10	>887	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.29	Horz(TL)	0.10	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 93 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 3-1-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-3-0 oc bracing.

REACTIONS (lb/size) 2=1757/0-6-0, 6=1757/0-6-0
Max Horz 2=-68(load case 6)
Max Uplift 2=-403(load case 5), 6=-403(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-3101/611, 3-4=-2687/577, 4-5=-2687/577, 5-6=-3101/611, 6-7=0/46
BOT CHORD 2-10=-514/2652, 9-10=-586/2867, 8-9=-586/2867, 6-8=-478/2652
WEBS 3-10=-162/908, 4-10=-387/180, 4-8=-387/180, 5-8=-162/908

JOINT STRESS INDEX
2 = 0.76, 3 = 0.82, 4 = 0.36, 5 = 0.82, 6 = 0.76, 8 = 0.58, 9 = 0.97 and 10 = 0.58

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; 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

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Continued on page 2

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
					J1936266
L266887	T05	HIP	1	1	Job Reference (optional)

NOTES

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 403 lb uplift at joint 2 and 403 lb uplift at joint 6.
7) Girder carries hip end with 7-0-0 end setback.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-70, 3-5=-149(F=-79), 5-7=-70, 2-10=-10, 8-10=-21(F=-11), 6-8=-10
   Concentrated Loads (lb)
   Vert: 10=-513(F) 8=-513(F)

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Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	T06	HIP	1	1	J1936267
					Job Reference (optional)

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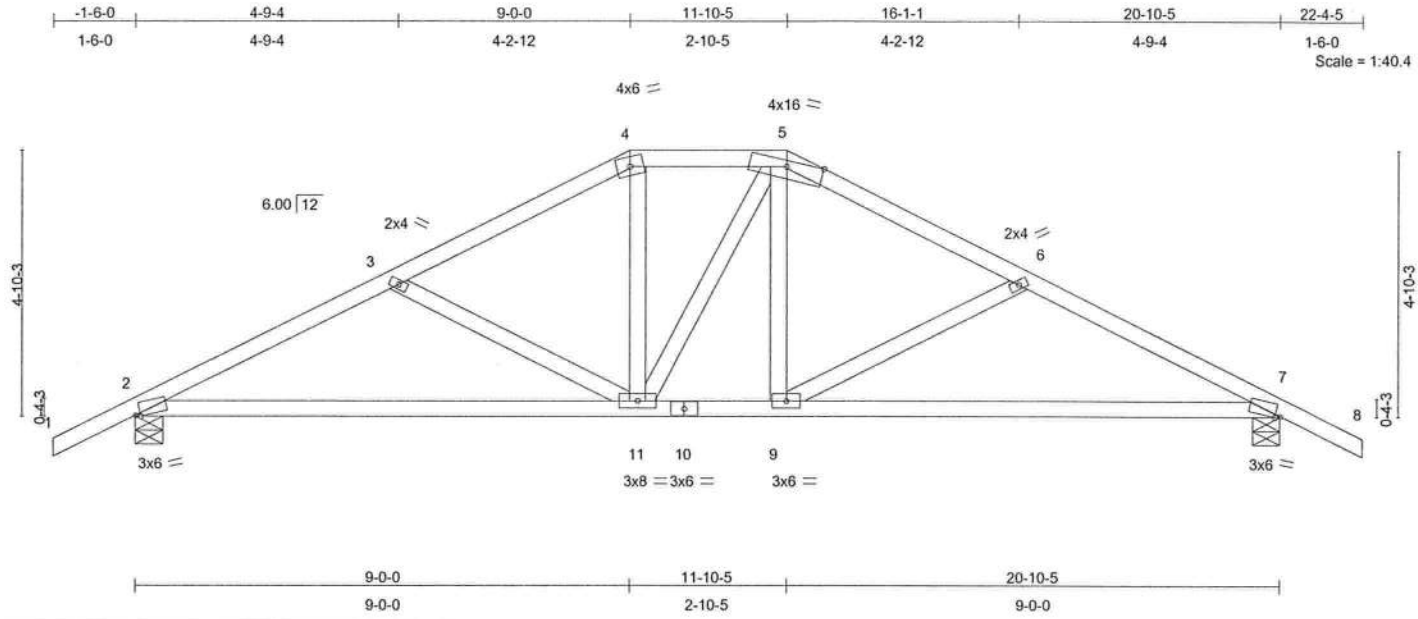

Plate Offsets (X,Y): [2:0-1-1,0-0-7], [7:0-1-1,0-0-7]

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)	-0.14	7-9	>999	360	MT20	244/190
TCDL	15.0	Lumber Increase	1.25	BC	0.42	Vert(TL)	-0.27	7-9	>909	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.15	Horz(TL)	0.04	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 105 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-2-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-10-8 oc bracing.

REACTIONS (lb/size) 2=937/0-6-0, 7=937/0-6-0
Max Horz 2=80(load case 6)
Max Uplift 2=-212(load case 6), 7=-212(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-1395/610, 3-4=-1071/491, 4-5=-899/489, 5-6=-1070/491, 6-7=-1395/610, 7-8=0/46
BOT CHORD 2-11=-405/1170, 10-11=-200/898, 9-10=-200/898, 7-9=-405/1170
WEBS 3-11=-316/233, 4-11=-70/249, 5-11=-101/104, 5-9=-70/250, 6-9=-317/233

JOINT STRESS INDEX
2 = 0.87, 3 = 0.33, 4 = 0.36, 5 = 0.54, 6 = 0.33, 7 = 0.88, 9 = 0.34, 10 = 0.52 and 11 = 0.59

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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.

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February 19,2008

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Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
					J1936267
L266887	T06	HIP	1	1	Job Reference (optional)

NOTES

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 212 lb uplift at joint 2 and 212 lb uplift at joint 7.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	T07	COMMON	5	1	J1936268
					Job Reference (optional)

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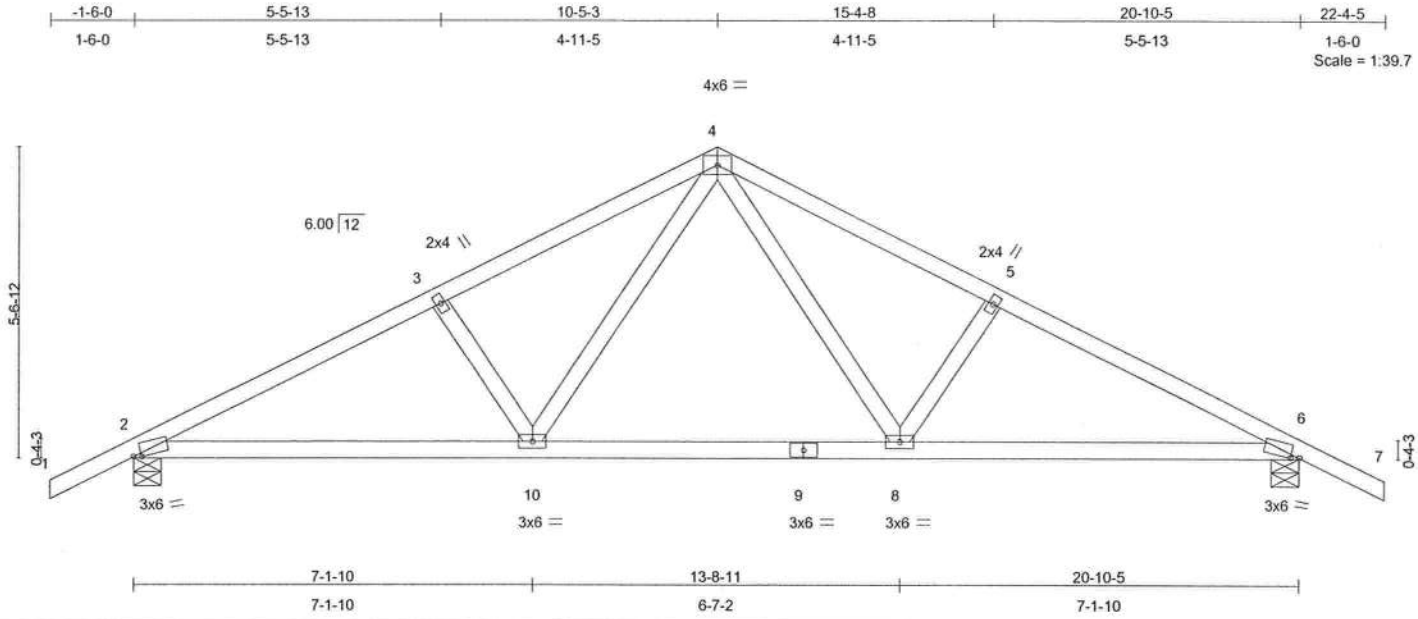

Plate Offsets (X,Y): [2:0-1-13,0-0-7], [6:0-1-13,0-0-7]

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)	0.16	8-10	>999	360	MT20	244/190
TCDL	15.0	Lumber Increase	1.25	BC	0.67	Vert(TL)	-0.33	8-10	>744	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.20	Horz(TL)	0.05	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 4-5-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-3-4 oc bracing.

REACTIONS (lb/size) 2=1135/0-6-0, 6=1135/0-6-0
Max Horz 2=88(load case 6)
Max Uplift 2=-263(load case 6), 6=-263(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-1842/804, 3-4=-1650/804, 4-5=-1650/804, 5-6=-1842/804, 6-7=0/46
BOT CHORD 2-10=-568/1550, 9-10=-298/1080, 8-9=-298/1080, 6-8=-568/1550
WEBS 3-10=-285/219, 4-10=-288/634, 4-8=-288/634, 5-8=-285/219

JOINT STRESS INDEX
2 = 0.78, 3 = 0.33, 4 = 0.52, 5 = 0.33, 6 = 0.78, 8 = 0.47, 9 = 0.62 and 10 = 0.47

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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

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February 19,2008

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Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
					J1936268
L266887	T07	COMMON	5	1	Job Reference (optional)

NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 263 lb uplift at joint 2 and 263 lb uplift at joint 6.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-70, 4-7=-70, 2-10=-10, 8-10=-70(F=-60), 6-8=-10

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Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	T08	HIP	1	1	J1936269
					Job Reference (optional)

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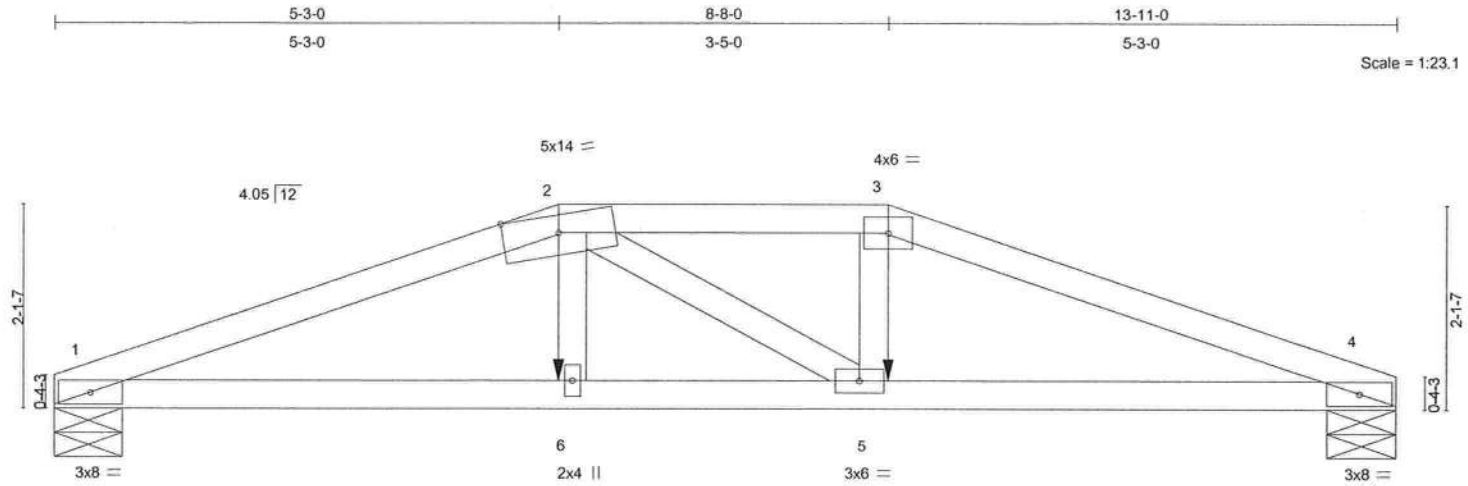

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.42	Vert(LL)	-0.06	6	>999	360	MT20	244/190
TCDL	15.0	Lumber Increase	1.25	BC	0.67	Vert(TL)	-0.17	1-6	>955	240		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.13	Horz(TL)	0.05	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 52 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 3-6-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-6-15 oc bracing.

REACTIONS (lb/size) 1=1130/0-8-8, 4=1130/0-8-8
Max Horz 1=-22(load case 6)
Max Uplift 1=-222(load case 3), 4=-222(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2525/467, 2-3=-2310/467, 3-4=-2527/467
BOT CHORD 1-6=-422/2280, 5-6=-425/2308, 4-5=-408/2281
WEBS 2-6=-31/362, 2-5=-123/127, 3-5=-45/403

JOINT STRESS INDEX
1 = 0.75, 2 = 0.66, 3 = 0.84, 4 = 0.75, 5 = 0.26 and 6 = 0.26

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; 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 222 lb uplift at joint 1 and 222 lb uplift at joint 4.
7) Girder carries hip end with 5-3-0 end setback.

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February 19,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
					J1936269
L266887	T08	HIP	1	1	
					Job Reference (optional)

NOTES

8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

Loading has been calculated by the truss manufacturer. It is the responsibility of the Architect/Engineer of Record to verify and approve the loading.

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-2=-115(F=-44), 2-3=-114(F=-44), 3-4=-114(F=-44), 1-4=-17(F=-6)

Concentrated Loads (lb)

Vert: 6=-263(F) 5=-263(F)

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February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	T09	SPECIAL	1	1	J1936270
					Job Reference (optional)

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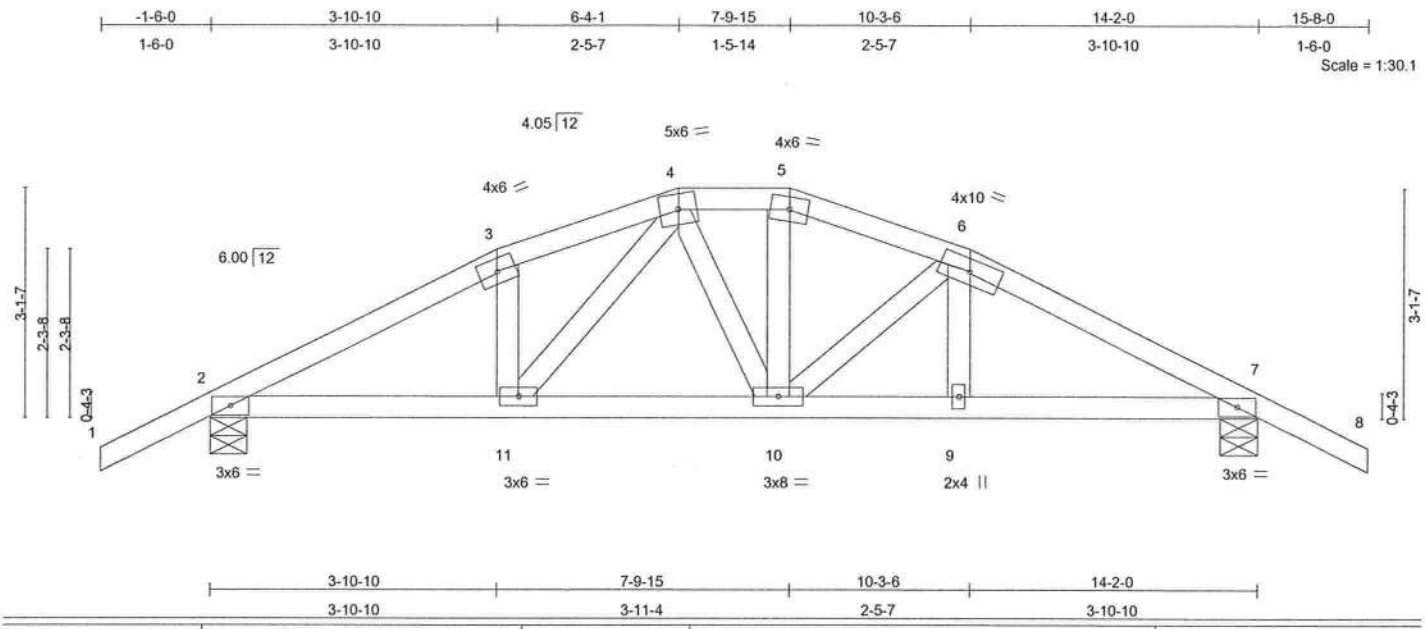

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.20	Vert(LL)	-0.02	10	>999	360	MT20	244/190
TCDL	15.0	Lumber Increase	1.25	BC	0.15	Vert(TL)	-0.04	10-11	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.02	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 72 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=669/0-6-0, 7=669/0-6-0
Max Horz 2=-60(load case 7)
Max Uplift 2=-171(load case 6), 7=-171(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/46, 2-3=-866/363, 3-4=-767/401, 4-5=-628/356, 5-6=-690/357, 6-7=-863/364, 7-8=0/46
BOT CHORD	2-11=-192/701, 10-11=-146/620, 9-10=-191/700, 7-9=-194/699
WEBS	3-11=-85/90, 4-11=-62/146, 4-10=-45/79, 5-10=-36/110, 6-10=-121/59, 6-9=0/89

JOINT STRESS INDEX

2 = 0.41, 3 = 0.25, 4 = 0.09, 5 = 0.13, 6 = 0.19, 7 = 0.41, 9 = 0.06, 10 = 0.09 and 11 = 0.10

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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

Continued on page 2

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February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
					J1936270
L266887	T09	SPECIAL	1	1	Job Reference (optional)

NOTES

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 171 lb uplift at joint 2 and 171 lb uplift at joint 7.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	T10	COMMON	5	1	J1936271
					Job Reference (optional)

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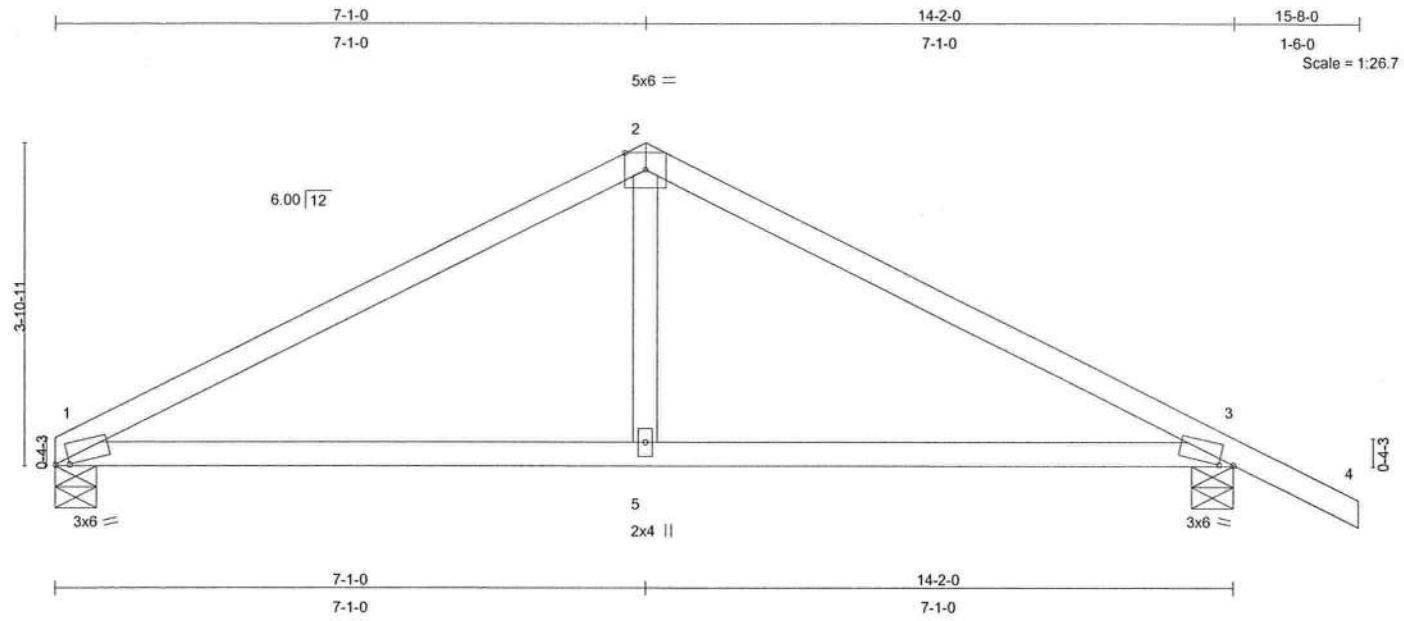

Plate Offsets (X,Y): [1:0-2-1,0-0-7], [3:0-2-1,0-0-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	0.07	1-5	>999	360	MT20	244/190
TCDL	15.0	Lumber Increase	1.25	BC	0.39	Vert(TL)	-0.13	1-5	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.08	Horz(TL)	0.02	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 52 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=539/0-6-0, 3=677/0-6-0
Max Horz 1=-78(load case 7)
Max Uplift 1=-94(load case 6), 3=-175(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-803/364, 2-3=-807/368, 3-4=0/46
BOT CHORD 1-5=-164/625, 3-5=-164/625
WEBS 2-5=0/251

JOINT STRESS INDEX
1 = 0.86, 2 = 0.72, 3 = 0.86 and 5 = 0.18

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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

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Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
					J1936271
L266887	T10	COMMON	5	1	Job Reference (optional)

NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 94 lb uplift at joint 1 and 175 lb uplift at joint 3.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	T11	MONO TRUSS	16	1	J1936272
					Job Reference (optional)

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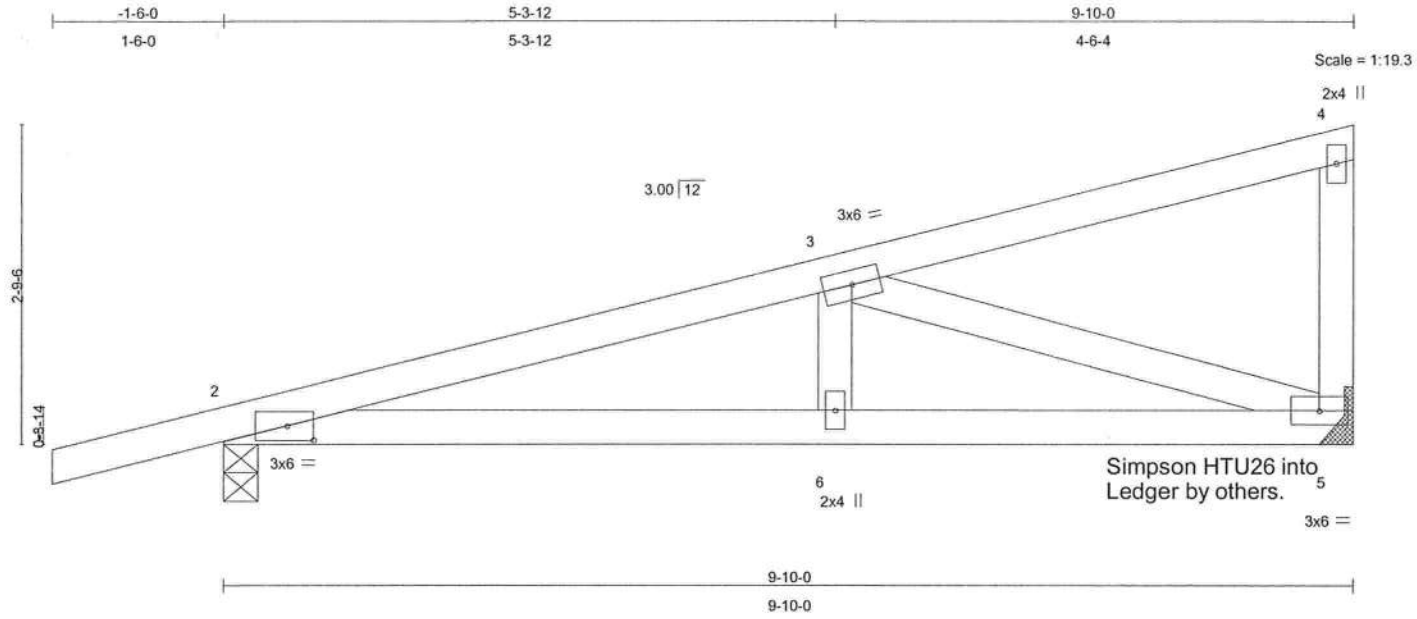

Plate Offsets (X,Y): [2:0-2-12,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	0.09	2-6	>999	360	MT20	244/190
TCDL	15.0	Lumber Increase	1.25	BC	0.21	Vert(TL)	-0.06	2-6	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.27	Horz(TL)	-0.02	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 43 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-12 oc bracing.

REACTIONS (lb/size) 5=372/Mechanical, 2=507/0-3-8
Max Horz 2=96(load case 4)
Max Uplift 5=-208(load case 4), 2=-270(load case 4)

Recommended hanger connection based on manufacturer tested capacities and nail calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Hanger connection to be reviewed and approved by the Architect/Engineer of Record.

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/24, 2-3=-804/959, 3-4=-85/33, 4-5=-129/100
BOT CHORD 2-6=-1031/735, 5-6=-1031/735
WEBS 3-5=-724/1017, 3-6=-275/153

JOINT STRESS INDEX
2 = 0.31, 3 = 0.42, 4 = 0.75, 5 = 0.54 and 6 = 0.11

NOTES
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; 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

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Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
					J1936272
L266887	T11	MONO TRUSS	16	1	Job Reference (optional)

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 208 lb uplift at joint 5 and 270 lb uplift at joint 2.

LOAD CASE(S) Standard

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February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	T12	COMMON	20	1	J1936273
					Job Reference (optional)

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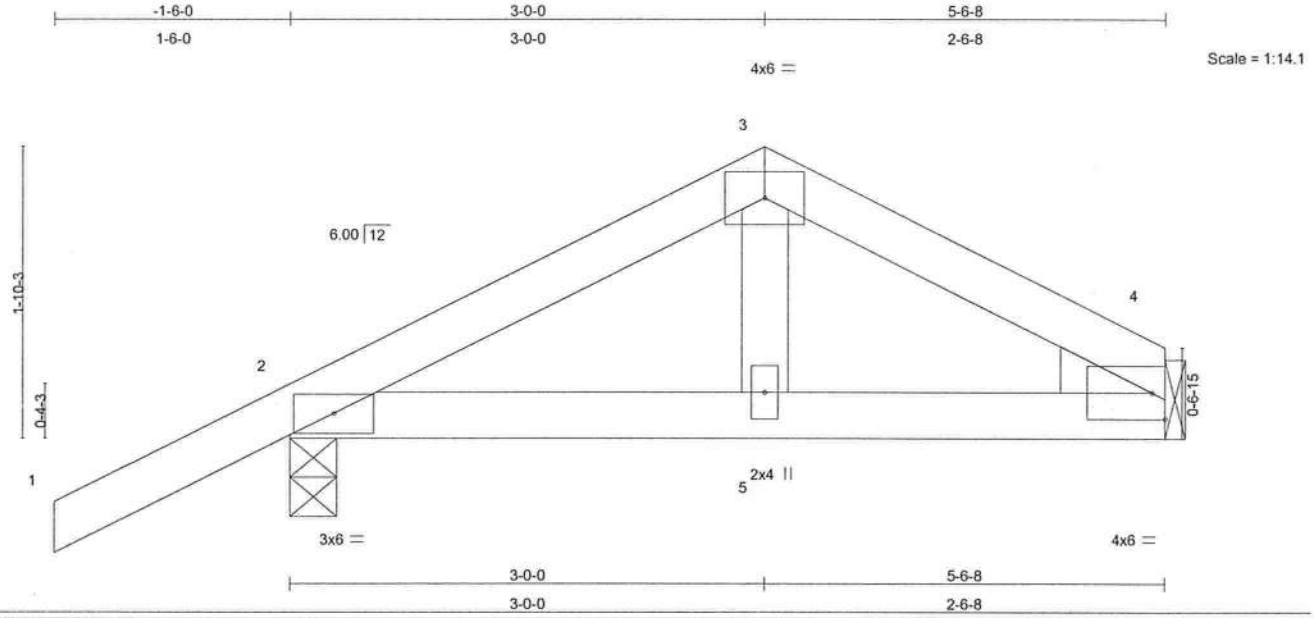

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.18	Vert(LL)	0.01	2-5	>999	360	MT20	244/190
TCDL	15.0	Lumber Increase	1.25	BC	0.24	Vert(TL)	-0.01	2-5	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.03	Horz(TL)	-0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 23 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
WEDGE
Right: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-6-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=346/0-3-8, 4=196/Mechanical
Max Horz 2=68(load case 6)
Max Uplift 2=-250(load case 6), 4=-132(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-242/319, 3-4=-222/310
BOT CHORD 2-5=-207/157, 4-5=-207/157
WEBS 3-5=-182/96

JOINT STRESS INDEX
2 = 0.17, 3 = 0.09, 4 = 0.14, 4 = 0.00 and 5 = 0.07

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch 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.

Continued on page 2

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Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	T12	COMMON	20	1	J1936273 Job Reference (optional)

NOTES

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 250 lb uplift at joint 2 and 132 lb uplift at joint 4.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1106 Coastal Bay Blvd
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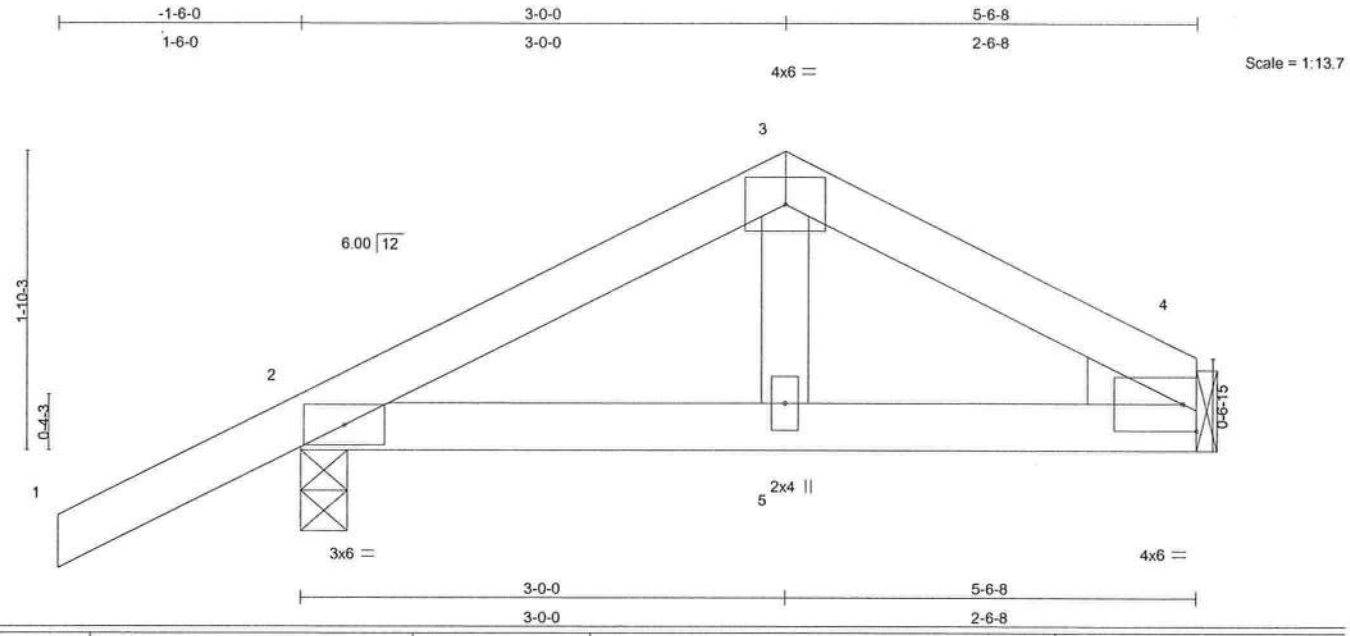
February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY	J1936274
L266887	T12G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, Fl 32055 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 19 09:01:11 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	0.24	Vert(LL)	0.01	2-5	>999	360	MT20	244/190
TCDL	15.0	Lumber Increase	1.25	BC	0.30	Vert(TL)	-0.01	2-5	>999	240		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.03	Horz(TL)	-0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 23 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
WEDGE
Right: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-6-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=392/0-3-8, 4=220/Mechanical
Max Horz 2=68(load case 6)
Max Uplift 2=-282(load case 6), 4=-149(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-4/52, 2-3=-272/353, 3-4=-249/340
BOT CHORD 2-5=-234/176, 4-5=-234/176
WEBS 3-5=-181/96

JOINT STRESS INDEX
2 = 0.20, 3 = 0.10, 4 = 0.16, 4 = 0.00 and 5 = 0.07

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch 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.

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February 19,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	T12G	GABLE	1	1	J1936274 Job Reference (optional)

NOTES

5) Gable studs spaced at 2-0-0 oc.
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 282 lb uplift at joint 2 and 149 lb uplift at joint 4.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
9) Gable truss supports 1' 0" max. rake gable overhang.

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 2-4=-10, 1-3=-80(F=-10), 3-4=-80(F=-10)

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February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	T13	COMMON	2	1	J1936275
					Job Reference (optional)

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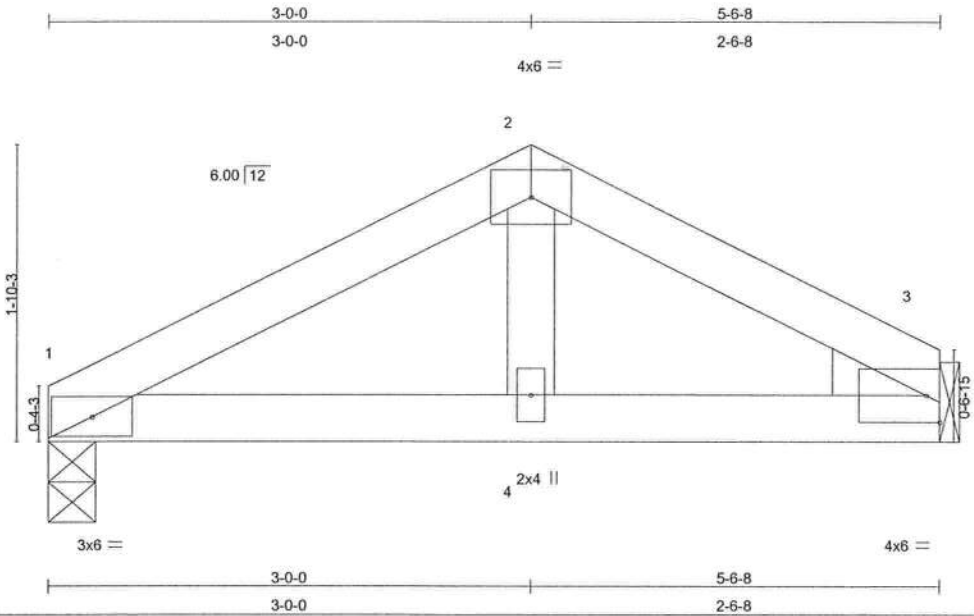

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.18	Vert(LL)	0.01	1-4	>999	360	MT20	244/190
TCDL	15.0	Lumber Increase	1.25	BC	0.25	Vert(TL)	-0.01	1-4	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.03	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 21 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
WEDGE
Right: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-6-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=213/0-3-8, 3=213/Mechanical
Max Horz 1=-22(load case 4)
Max Uplift 1=-140(load case 6), 3=-138(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-249/339, 2-3=-255/351
BOT CHORD 1-4=-242/186, 3-4=-242/186
WEBS 2-4=-181/96

JOINT STRESS INDEX
1 = 0.12, 2 = 0.10, 3 = 0.15, 3 = 0.00 and 4 = 0.07

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch 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.

Continued on page 2

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February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
					J1936275
L266887	T13	COMMON	2	1	Job Reference (optional)

NOTES

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 140 lb uplift at joint 1 and 138 lb uplift at joint 3.

LOAD CASE(S) Standard

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February 19,2008

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	T14	COMMON	2	1	J1936276
					Job Reference (optional)

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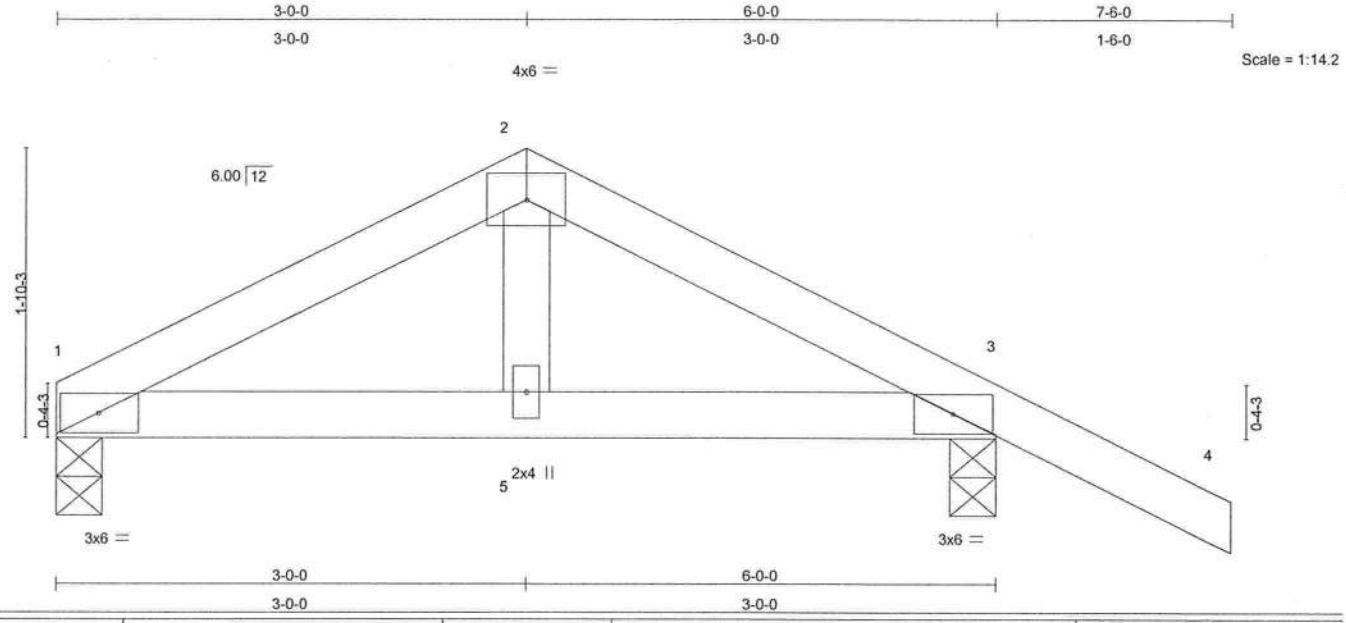

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.18	Vert(LL)	0.01	3-5	>999	360	MT20	244/190
TCDL	15.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	-0.01	3-5	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.03	Horz(TL)	0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 24 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=212/0-3-8, 3=360/0-3-8
Max Horz 1=-68(load case 7)
Max Uplift 1=-144(load case 6), 3=-258(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-246/345, 2-3=-271/364, 3-4=0/46
BOT CHORD 1-5=-189/183, 3-5=-189/183
WEBS 2-5=-194/103

JOINT STRESS INDEX
1 = 0.18, 2 = 0.10, 3 = 0.18 and 5 = 0.07

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch 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

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February 19,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	MIKE & LINDA CADY
L266887	T14	COMMON	2	1	J1936276 Job Reference (optional)

NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 144 lb uplift at joint 1 and 258 lb uplift at joint 3.

LOAD CASE(S) Standard

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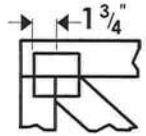
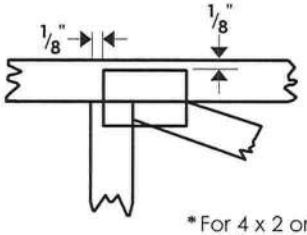
February 19,2008

Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

PLATE SIZE

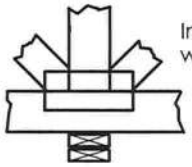
4 x 4

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

LATERAL BRACING

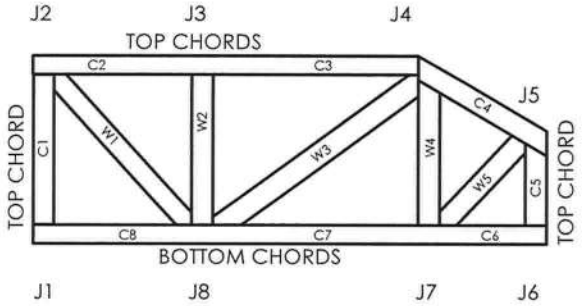
Indicates location of required continuous lateral bracing.

BEARING



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

Numbering System



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

WEBS ARE NUMBERED FROM LEFT TO RIGHT

CONNECTOR PLATE CODE APPROVALS

BOCA	96-31, 96-67
ICBO	3907, 4922
SBCCI	9667, 9432A
WISC/DILHR	960022-W, 970036-N
NER	561

MiTek®

TEE-LOK®

MiTek Engineering Reference Sheet: MII-7473

General Safety Notes

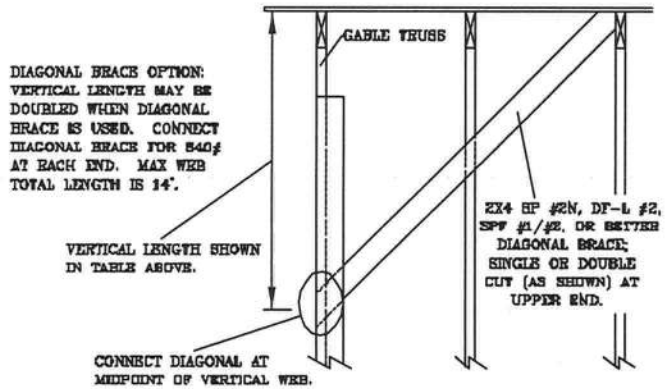
Failure to Follow Could Cause Property Damage or Personal Injury

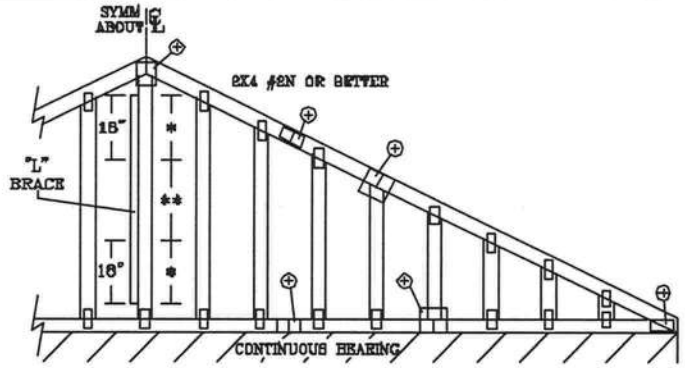
1. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
2. Cut members to bear tightly against each other.
3. Place plates on each face of truss at each joint and embed fully. Avoid knots and wane at joint locations.
4. Unless otherwise noted, locate chord splices at ¼ panel length (± 6" from adjacent joint.)
5. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
6. Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
7. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
8. Plate type, size and location dimensions shown indicate minimum plating requirements.
9. Lumber shall be of the species and size, and in all respects, equal to or better than the grade specified.
10. Top chords must be sheathed or purlins provided at spacing shown on design.
11. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
12. Anchorage and / or load transferring connections to trusses are the responsibility of others unless shown.
13. Do not overload roof or floor trusses with stacks of construction materials.
14. Do not cut or alter truss member or plate without prior approval of a professional engineer.
15. Care should be exercised in handling, erection and installation of trusses.

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"	8' 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' 5"	9' 8"	12' 5"	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' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
		#3	4' 0"	6' 2"	6' 2"	7' 11"	8' 2"	9' 5"	9' 11"	12' 5"	12' 8"	14' 0"	14' 0"
		STUD	4' 0"	8' 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' 3"	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' 8"	8' 5"	10' 5"	11' 2"	13' 8"	14' 0"	14' 0"	14' 0"
		#2	4' 7"	7' 4"	7' 11"	8' 8"	8' 5"	10' 6"	11' 2"	13' 8"	14' 0"	14' 0"	14' 0"
		#3	4' 4"	7' 2"	7' 2"	8' 8"	8' 2"	10' 5"	10' 11"	13' 8"	14' 0"	14' 0"	14' 0"
		STUD	4' 4"	7' 1"	7' 1"	8' 8"	8' 2"	10' 6"	10' 11"	13' 8"	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"





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

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
#2
#2

DOUGLAS FIR-LARCH
#1
#2

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 136 PLF OVER CONTINUOUS BEARING (6 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 8" 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 60% 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.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING CONFIDENT 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.
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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

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"	5' 8"	6' 8"	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' 6"	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' 6"	5' 8"	5' 11"	6' 8"	7' 0"	7' 10"	8' 5"	10' 3"	11' 1"	12' 3"	13' 2"
		#2	3' 5"	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' 8"	6' 0"	6' 0"	7' 10"	8' 1"	9' 4"	9' 4"	12' 3"	12' 6"
		STUD	3' 3"	4' 6"	4' 8"	5' 11"	5' 11"	7' 10"	8' 0"	9' 3"	9' 3"	12' 3"	12' 6"
		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' 6"	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"	6' 5"	7' 2"	7' 2"	8' 11"	8' 11"	11' 1"	11' 1"	14' 0"	14' 0"
		STANDARD	3' 7"	4' 6"	4' 8"	6' 2"	6' 2"	8' 3"	8' 5"	9' 7"	9' 7"	12' 11"	12' 11"
	SP DFL	#1	4' 0"	6' 4"	6' 10"	7' 8"	8' 1"	8' 11"	9' 7"	11' 9"	12' 8"	14' 0"	14' 0"
		#2	3' 11"	6' 4"	6' 10"	7' 8"	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' 5"	14' 0"	14' 0"
		STUD	3' 8"	5' 6"	5' 8"	7' 3"	7' 3"	8' 11"	9' 5"	11' 4"	11' 4"	14' 0"	14' 0"
		STANDARD	3' 8"	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' 5"	9' 10"	10' 4"	12' 11"	13' 1"	14' 0"	14' 0"
		STANDARD	4' 0"	5' 6"	5' 8"	7' 3"	7' 3"	9' 9"	9' 9"	11' 4"	11' 4"	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

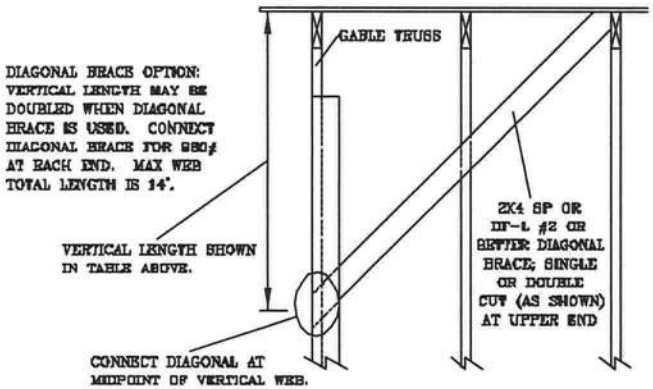
SOUTHERN PINE
#3
STUD
STANDARD

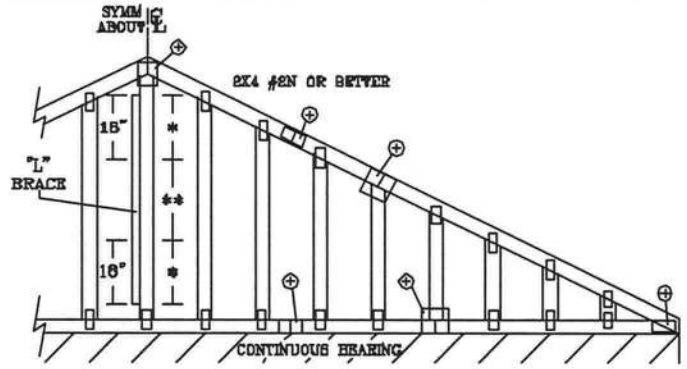
GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#1
#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 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 16" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 16" 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	MID SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4
GREATER THAN 11' 6"	2.5X4

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

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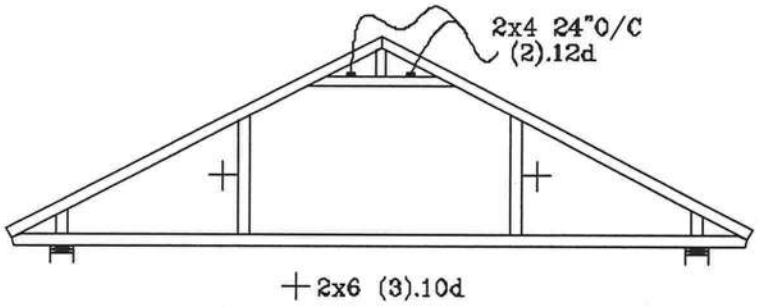
No: 34869
STATE OF FLORIDA

MAX. TOT. LD. 60 PSF

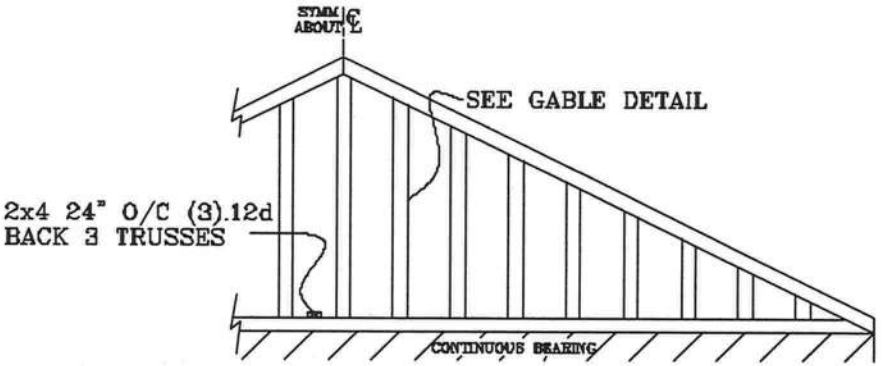
MAX. SPACING 24.0"

REF ASCE7-02-GAB13030
DATE 11/26/03
DWG MITEK STD GABLE 90' E W7
-ENG

TYPICAL ATTIC TRUSS BRACING

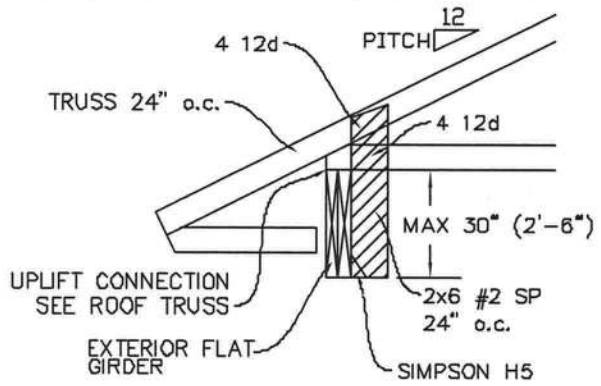


GABLE END TRUSS DETAIL

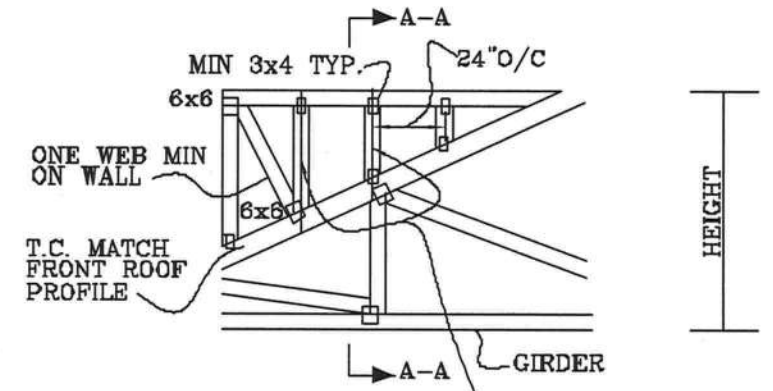


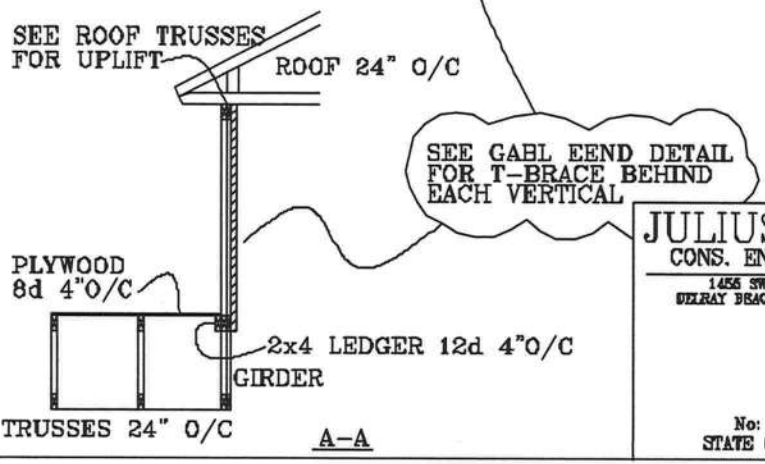
MINIMUM BC BRACING ON GABLE TRUSS. OTHER PERMANENT BRACING DESIGNS BY ARCHITECT OR EOR

TYPICAL ALTERNATE BRACING DETAIL FOR EXTERIOR FLAT GIRDER TRUSS



TYPICAL WALL GIRDER VERTICAL WEB BRACING DETAIL





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DELRAY BEACH, FL 33444-2161

No: 34869
STATE OF FLORIDA

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.

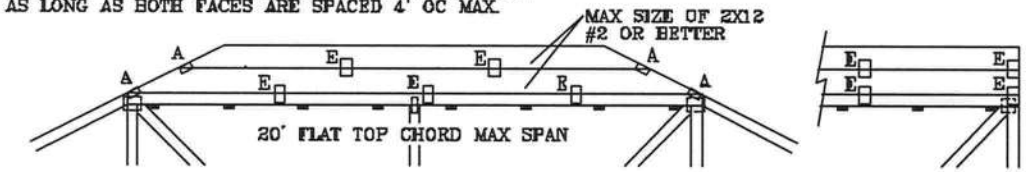
THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

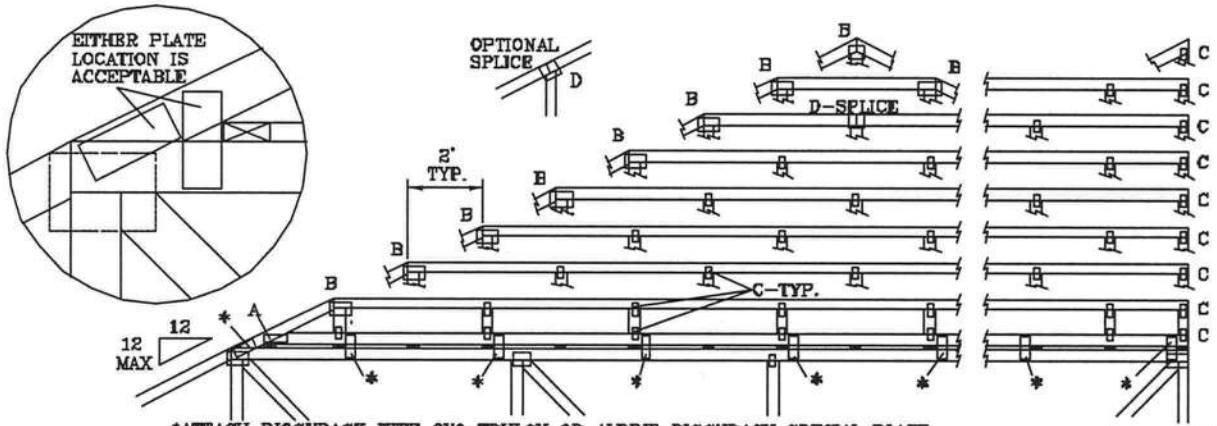
110 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, 1 MI FROM COAST CAT I, EXP C, WIND TC DL=5 PSF, WIND BC DL=5 PSF

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=5 PSF, WIND BC DL=5 PSF

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





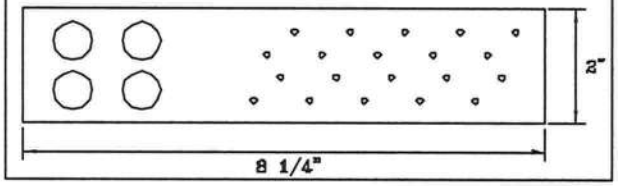
JOINT TYPE	SPANS UP TO			
	30'	34'	38'	52'
A	2X4	2.5X4	2.5X4	3X5
B	4X6	5X6	5X6	5X6
C	1.5X3	1.5X4	1.5X4	1.5X4
D	5X4	5X5	5X5	5X6
E	4X8 OR 3X6 TRULOX AT 4' OC, ROTATED VERTICALLY			

ATTACH TRULOX PLATES WITH (8) 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.

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 & 847,045

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.

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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

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".

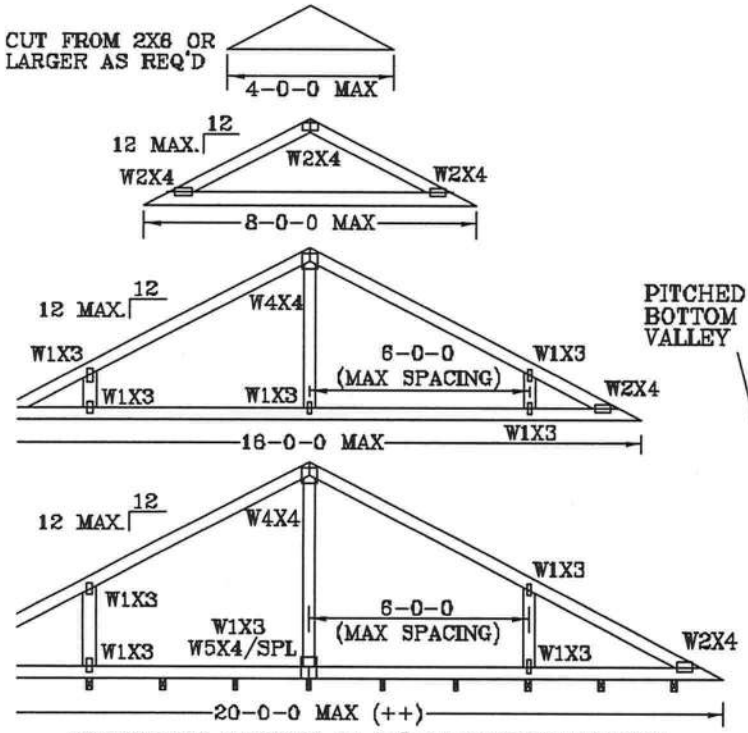
MAXIMUM VALLEY VERTICAL HEIGHT MAY NOT EXCEED 12'0".

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.

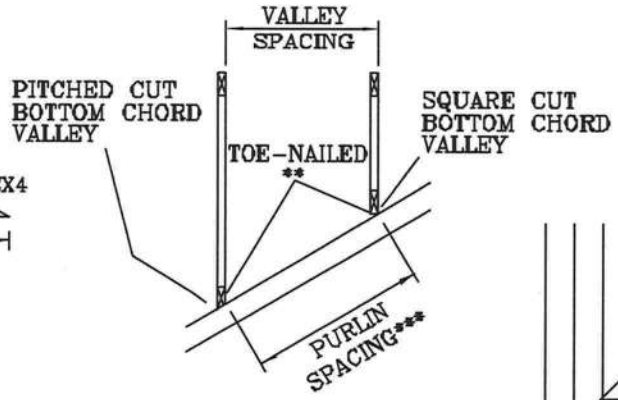
*** NOTE THAT THE PURLIN SPACING FOR BRACING THE TOP CHORD OF THE TRUSS BENEATH THE VALLEY IS MEASURED ALONG THE SLOPE OF THE TOP CHORD.

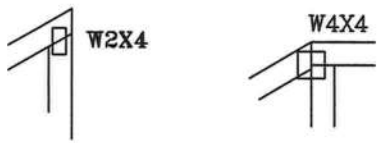
++ LARGER SPANS MAY BE BUILT AS LONG AS THE VERTICAL HEIGHT DOES NOT EXCEED 12'0".

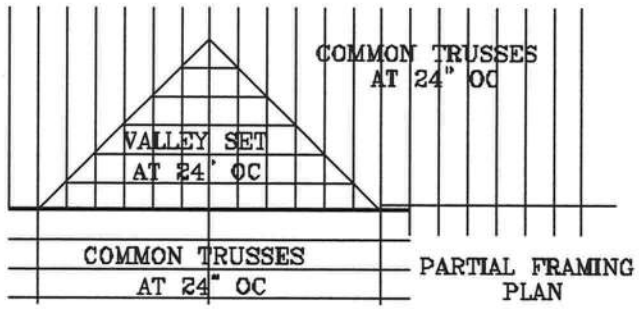
BOTTOM CHORD MAY BE SQUARE OR PITCHED CUT AS SHOWN.



SUPPORTING TRUSSES AT 24" OC MAXIMUM SPACING.







THIS DRAWING REPLACES DRAWING A105

xxWARNINGxx 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.

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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	
DURFAC.	1.25	1.25		
SPACING		24"		

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."

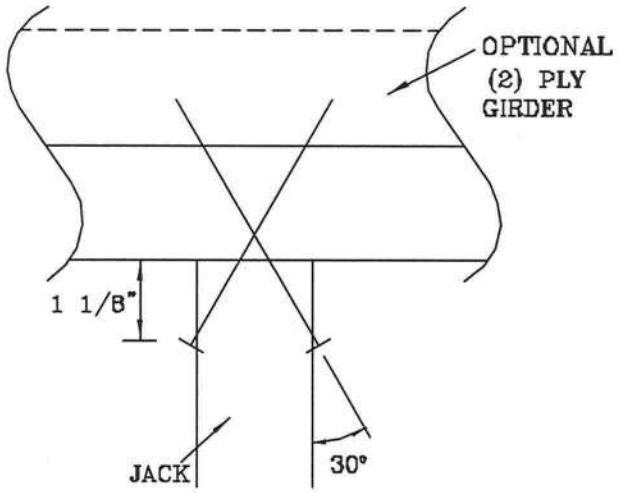
THE NUMBER OF TOE–NAILS TO BE USED IN A SPECIFIC APPLICATION IS DEPENDENT UPON PROPERTIES FOR THE CHORD SIZE, LUMBER SPECIES, AND NAIL TYPE. PROPER CONSTRUCTION PRACTICES AS WELL AS GOOD JUDGEMENT SHOULD DETERMINE THE NUMBER OF NAILS TO BE USED.

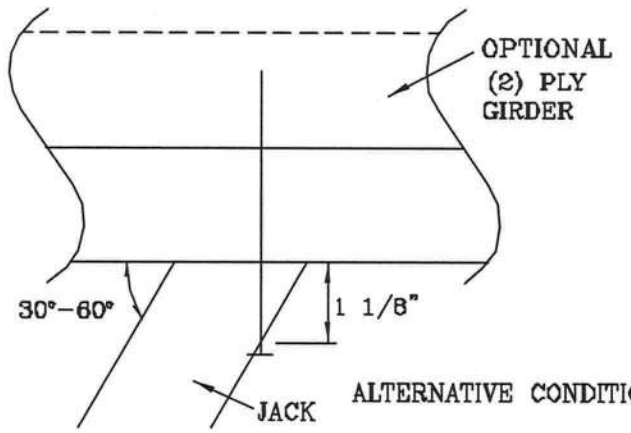
THIS DETAIL DISPLAYS A TOE–NAILED CONNECTION FOR JACK FRAMING INTO A SINGLE OR DOUBLE PLY SUPPORTING GIRDER.

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

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.

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1450 SW 4th AVENUE
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No: 34869
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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			

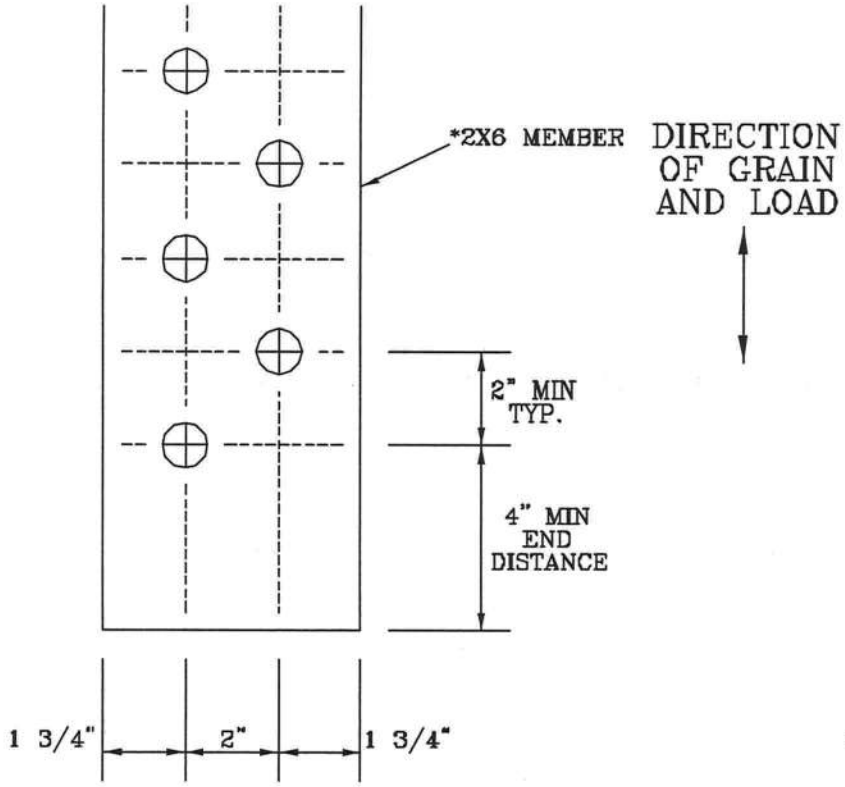
1/2" DIAMETER BOLT SPACING FOR LOAD APPLIED PARALLEL TO GRAIN.

* GRADE AND SPECIES AS SPECIFIED ON THE ALPINE DESIGN.

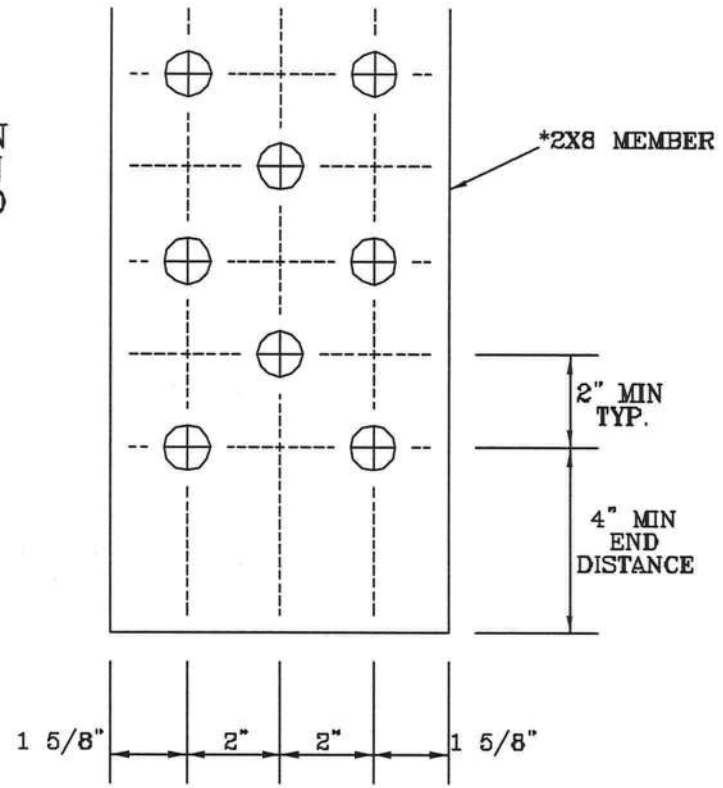
BOLT HOLES SHALL BE A MINIMUM OF 1/32" TO A MAXIMUM OF 1/16" LARGER THAN BOLT DIAMETER.

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 A628.016

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

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			

TRULOX CONNECTION DETAIL

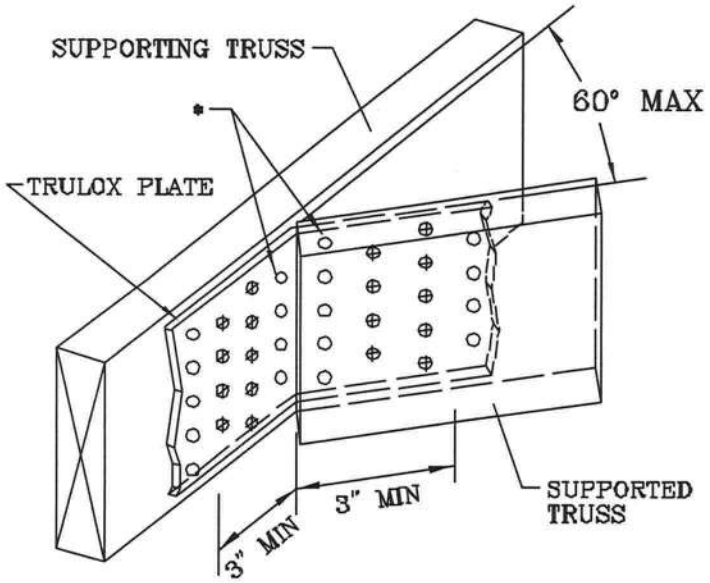
11 GAUGE (0.120" X 1.375") NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. FILL ROWS COMPLETELY WHERE SHOWN (⊕).

* NAILS MAY BE OMITTED FROM THESE ROWS.

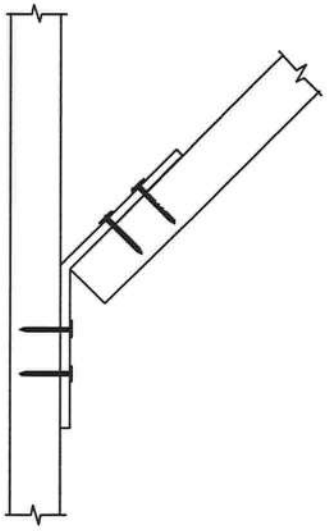
THIS DETAIL MAY BE USED WITH SO. PINE, DOUGLAS-FIR OR HEM-FIR CHORDS WITH A MINIMUM 1.00 DURATION OF LOAD OR SPRUCE-PINE-FIR CHORDS WITH A MINIMUM 1.15 DURATION OF LOAD. CHORD SIZE OF BOTH TRUSSES MUST EXCEED THE TRULOX PLATE WIDTH.

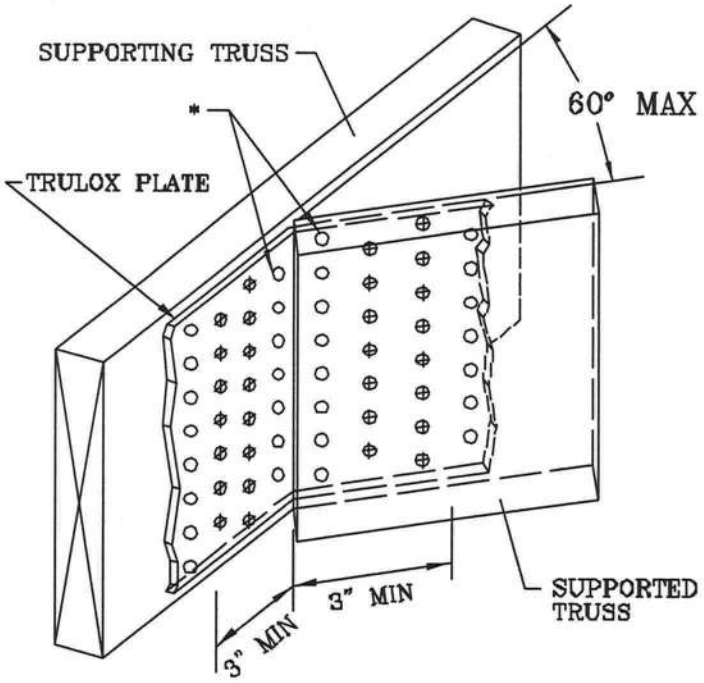
TRULOX PLATE IS CENTERED ON THE CHORDS AND BENT BETWEEN NAIL ROWS.

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#

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

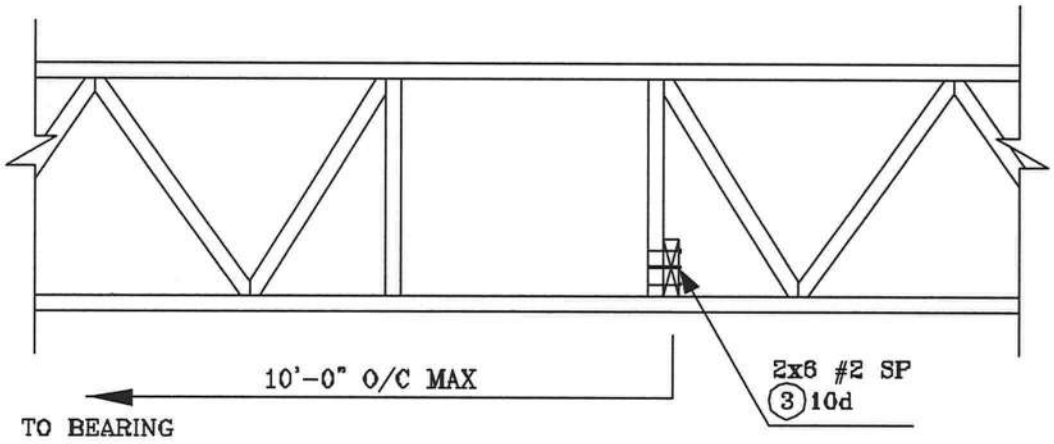
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE 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

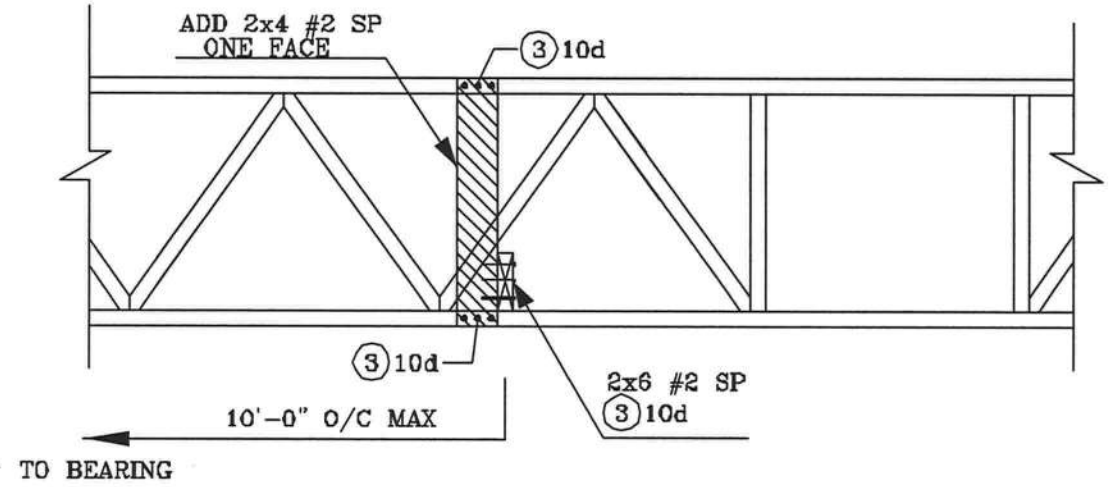
No: 34869
STATE OF FLORIDA

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

STRONG BACK DETAIL
SYSTEM–42 OR FLAT TRUSS



ALTERNATE DETAIL FOR
STRONG BACK WITH VERTICAL
NOT LINING UP



JULIUS LEE'S
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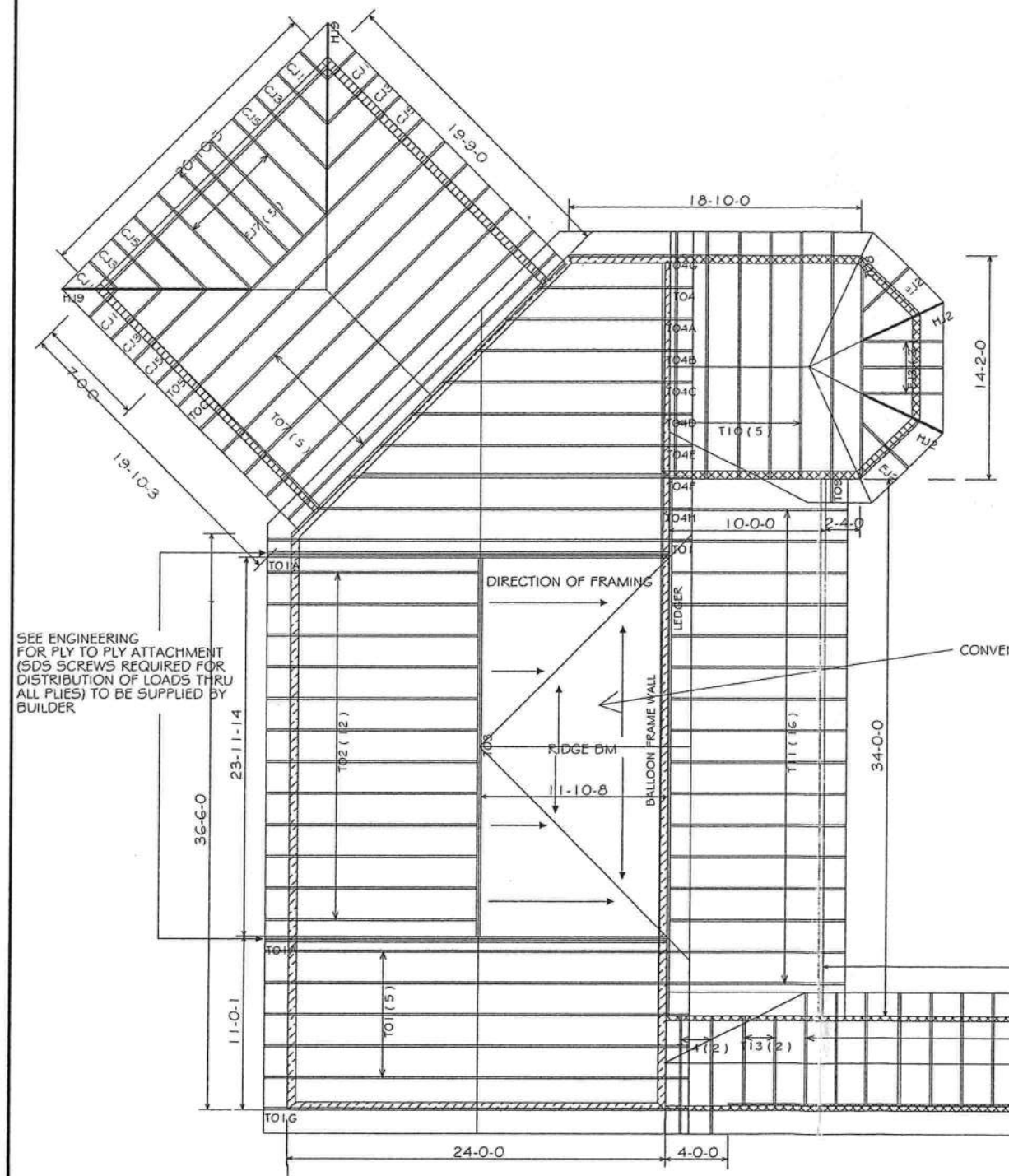
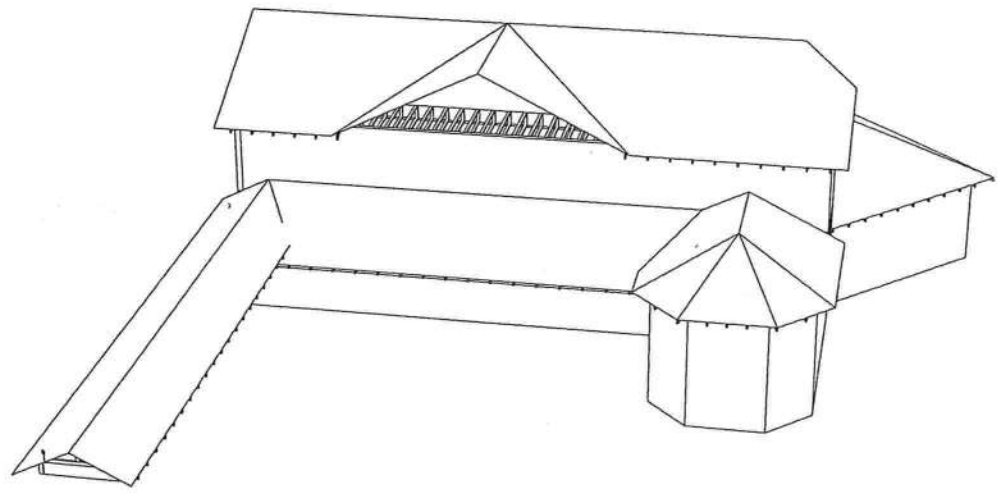
1455 SW 4th AVENUE
DELRAY BEACH, FL 33444-2161

No: 34869
STATE OF FLORIDA





TRUSS INFORMATION:

ROOF PITCH: 3-6/12

CEILING: 3.5/12

OVERHANG: 18"

HANGER LIST:
28 - HTU26
2 - HGUS26-2 (CONNECTS T03 TO T01A)

VALLEY
FRAMED BY OTHERS

NOTE: FOR ALL FLOOR INFORMATION SEE FLOOR LAYOUT
ALL CONV. FRAMING BY OTHERS

BEARING HEIGHT SCHEDULE

10' 0"

9' 0"

11' 0"

INDICATES 2ND FLOOR

NOTES:

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

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

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

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

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

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

7.) ALL ROOF TRUSS HANGERS TO BE SIMPSON 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: 407-322-0059 FAX: 407-322-5553

BUILDER: CASH ACCOUNT

LEGAL ADDRESS: COLUMBIA CTY, FL / CADY ADD.

MODEL: CUSTOM | REVISION: | SCALE: NTS

DATE: 2-5-08 | DRAWN BY: JP | JOB #: L266887

FLORIDA DEPARTMENT OF Community Affairs

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- EMERGENCY MANAGEMENT
- OFFICE OF THE SECRETARY

Product Approval

USER: Public User

Product Approval Menu > Product or Application Search > Application List > **Application Detail**

FL #	FL7849
Application Type	New
Code Version	2004
Application Status	Approved
Comments	
Archived	☐
Product Manufacturer	MonierLifetile
Address/Phone/Email	200 Story Road Lake Wales, FL 33853 (863) 676-9405 szigich@monierlifetile.com
Authorized Signature	Steve Zigich szigich@monierlifetile.com
Technical Representative	Reese Moody
Address/Phone/Email	200 Story Road Lake Wales, FL 33853 rmoody@monierlifetile.com
Quality Assurance Representative	Steve Zigich
Address/Phone/Email	200 Story Road Lake Wales, FL 33853 szigich@monierlifetile.com
Category	Roofing
Subcategory	Roofing Tiles
Compliance Method	Evaluation Report from a Product Eval

Evaluation Entity	ICC Evaluation Service, Inc.
Quality Assurance Entity	R I Ogawa & Associates, Inc.
Quality Assurance Contract Expiration Date	
Validated By	Gary W. Walker
	☐ Validation Checklist - Hardcopy Re
Certificate of Independence	FL7849_R0_COI_ICC Independence S
Referenced Standard and Year (of Standard)	**Standard**
	ASTM C 1492
Equivalence of Product Standards Certified By	
Sections from the Code	
Product Approval Method	Method 1 Option C
Date Submitted	11/16/2006
Date Validated	11/16/2006
Date Pending FBC Approval	11/17/2006
Date Approved	12/06/2006

Summary of Products

FL #	Model, Number or Name	Description
7849.1	Saxony	Flat Concrete Roof tile
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** N/A **Design Pressure:** N/A **Other:** Class A roof covering		**Installation Instructions** FL7849_R0_II_FRSA-TRI Instal Verified By: Gary W. Walker 4C Created by Independent Third I **Evaluation Reports** FL7849_R0_AE_ESR-1647.pdf

Back Next

DCA Administration

Department of Community Affairs
Florida Building Code Online
Codes and Standards

2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100
(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

Product Approval Accepts:

FLORIDA DEPARTMENT OF Community Affairs

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Community Affairs

- COMMUNITY PLANNING
- HOUSING & COMMUNITY DEVELOPMENT
- EMERGENCY MANAGEMENT
- OFFICE OF THE SECRETARY

Product Approval
USER: Public User

Product Approval Menu > Product or Application Search > Application List > **Application Detail**

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

U) in dow

A·L·I
(Validator / Operations Administrator)

AAMA
CERTIFICATION PROGRAM

AUTHORIZATION FOR PRODUCT CERTIFICATION

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

Attn: Bill Emley

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

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

SPECIFICATION	RECORD OF PRODUCT TESTED				LABEL ORDER NO.
AAMA/NWWDA 101/I.S. 2-97 H-R55*-36x62					
COMPANY AND PLANT LOCATION	CODE NO.	SERIES MODEL & PRODUCT DESCRIPTION	MAXIMUM SIZE TESTED		
			FRAME	SASH	
MI Windows & Doors, Inc. (Oldsmar, FL) MI Windows & Doors, Inc. (Smyrna, TN)	MTL-8 MTL-9	185/318S SH (Fin) (AL)(O/X)(DG) (ASTM)	3'0" x 5'2"	2'10" x 2'7"	By Request

2. This Certification will expire May 14, 2008 and requires validation until then by continued listing in the current AAMA Certified Products Directory.

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

   Report No.: 01-50360.02

   Date of Report: June 14, 2004

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

Date: August 1, 2005

Validated for Certification:

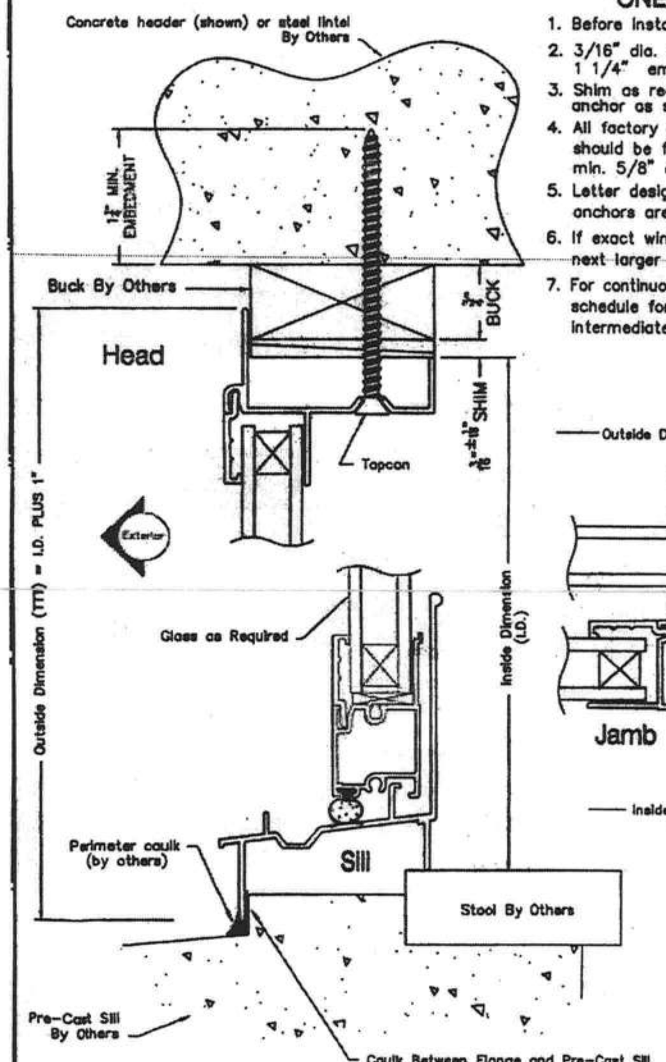
Associated Laboratories, Inc.

Authorized for Certification:

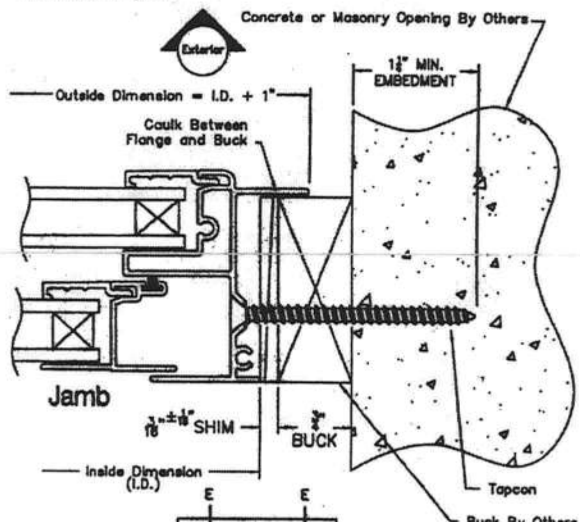
American Architectural Manufacturers Association

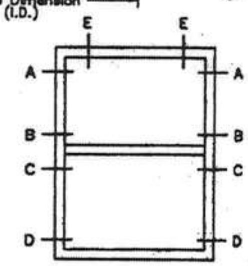
cc: AAMA
JGS/df
ACP-04 (Rev. 5/03)

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



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





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

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

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

MI HOME PRODUCTS BetterBilt / Capitol

* TAPCON LOCATION CHART				
CODE SIZE	WINDOW ID SIZE	FASTENER LOCATIONS		
		UP TO DP35	DP35.1 TO DP55	DP55.1 TO DP69.3
12	18 1/8 x 25	A, D & E	A, D & E	A, D & E
13	18 1/8 x 37 3/8	A, D & E	A, D & E	A, D & E
14	18 1/8 x 49 5/8	A, D & E	A, D & E	A, D & E
15	18 1/8 x 62	A, D & E	A, D & E	A, D & E
16	18 1/8 x 71	A, D & E	A, D & E	A, D & E
17	18 1/8 x 83	A, D & E	A, D & E	A, D & E
1/2 32	25 1/2 x 25	A, D & E	A, D & E	A, D & E
1/2 33	25 1/2 x 37 3/8	A, D & E	A, D & E	A, D & E
1/2 34	25 1/2 x 49 5/8	A, D & E	A, D & E	A, D & E
1/2 35	25 1/2 x 62	A, D & E	A, D & E	A, D & E
1/2 36	25 1/2 x 71	A, D & E	A, D & E	A, D & E
1/2 37	25 1/2 x 83	A, D & E	A, D & E	A, C, D & E
22	36 x 25	A, D & E	A, D & E	A, D & E
23	36 x 37 3/8	A, D & E	A, D & E	A, D & E
24	36 x 49 5/8	A, D & E	A, D & E	A, D & E
25	36 x 62	A, D & E	A, D & E	A, D & E
26	36 x 71	A, D & E	A, D & E	A, C, D & E
27	36 x 83	A, D & E	A, C, D & E	A, C, D & E
32	52 1/8 x 25	A, D & E	A, D & E	A, D & E
33	52 1/8 x 37 3/8	A, D & E	A, D & E	A, D & E
34	52 1/8 x 49 5/8	A, D & E	A, D & E	A, D & E
35	52 1/8 x 62	A, D & E	A, C, D & E	A, C, D & E
36	52 1/8 x 71	A, D & E	A, C, D & E	A, B, C, D & E
37	52 1/8 x 83	A, D & E	A, C, D & E	A, B, C, D & E
2040	23 3/8 x 47 5/8	A, D & E	A, D & E	A, D & E
2050	23 3/8 x 59 5/8	A, D & E	A, D & E	A, D & E
2060	23 3/8 x 71 5/8	A, D & E	A, D & E	A, D & E
2070	23 3/8 x 83 5/8	A, D & E	A, D & E	A, D & E
3040	35 3/8 x 47 5/8	A, D & E	A, D & E	A, D & E
3050	35 3/8 x 59 5/8	A, D & E	A, D & E	A, D & E
3060	35 3/8 x 71 5/8	A, D & E	A, D & E	A, C, D & E
3070	35 3/8 x 83 5/8	A, D & E	A, C, D & E	A, C, D & E
4040	47 3/8 x 47 5/8	A, D & E	A, D & E	A, D & E
4050	47 3/8 x 59 5/8	A, D & E	A, D & E	A, C, D & E
4060	47 3/8 x 71 5/8	A, D & E	A, C, D & E	A, C, D & E
4070	47 3/8 x 83 5/8	A, D & E	A, C, D & E	A, B, C, D & E
4450	51 3/8 x 59 5/8	A, D & E	A, D & E	A, C, D & E
4460	51. 3/8 x 71 5/8	A, D & E	A, C, D & E	A, B, C, D & E
4470	51 3/8 x 83 5/8	A, D & E	A, C, D & E	A, B, C, D & E

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

SYM	REVISION	DATE	BY
A	REMOVED SILL INSTALLATION ANCHOR SCREWS	7/16/04	

Product Technology Corporation
1150 Louisiana Ave. Suite 6
Winter Park, Florida 32789

MI HOME PRODUCTS
GRATZ, PA

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

PREPARED BY: PTC Product Technology Corporation
Phone 407.622.6334 Fax 407.622.6335

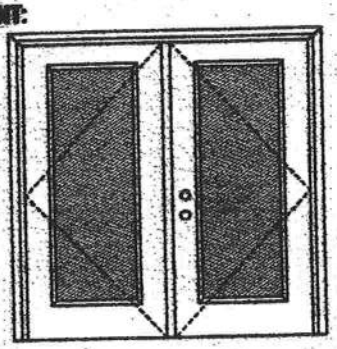
DRN: DRL	DATE: 06/15/04
SCALE: N.T.S.	DWG. NO: MIHP0059
REV. LETTER: A	SHEET: 1 OF 1

COP-WL-JH4162-02

XX
Glazed Outswing Unit

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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

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

Design Pressure
+40.5/-40.5
Limited water unless special threshold design is used.

Large Missile Impact Resistance
Hurricane protective system (shutters) is REQUIRED.

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

MINIMUM ASSEMBLY DETAIL:

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

MINIMUM INSTALLATION DETAIL:

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

APPROVED DOOR STYLES:

1/4 GLASS:


100 Series


133, 135 Series


136 Series


680 Series


822 Series

1/2 GLASS:


105 Series*


106, 160 Series*


129 Series*


200 Series*


12 R/L, 23 R/L, 24 R/L Series*


107 Series*


108 Series


304 Series

*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

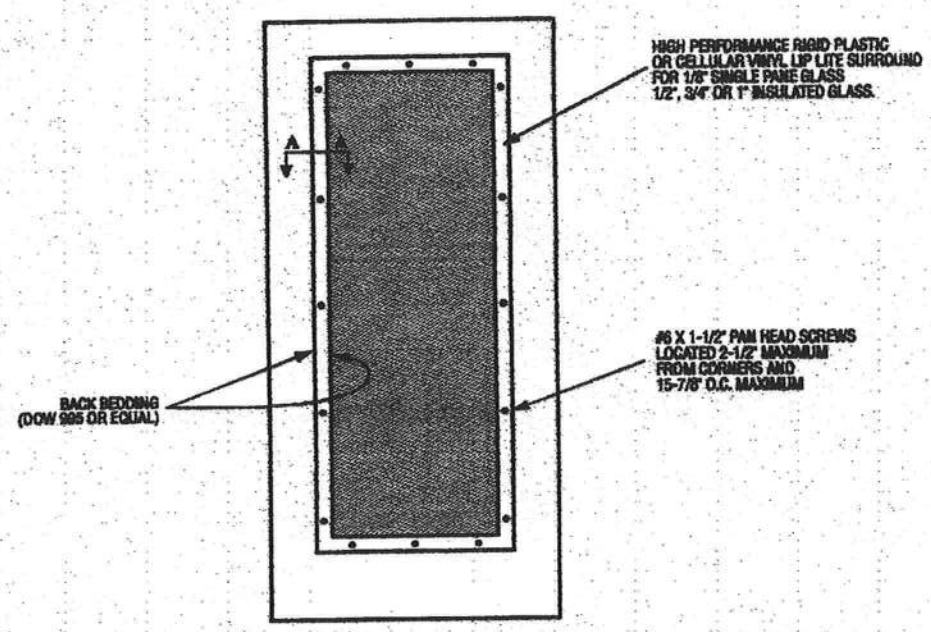
Johnson EntrySystems

March 29, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

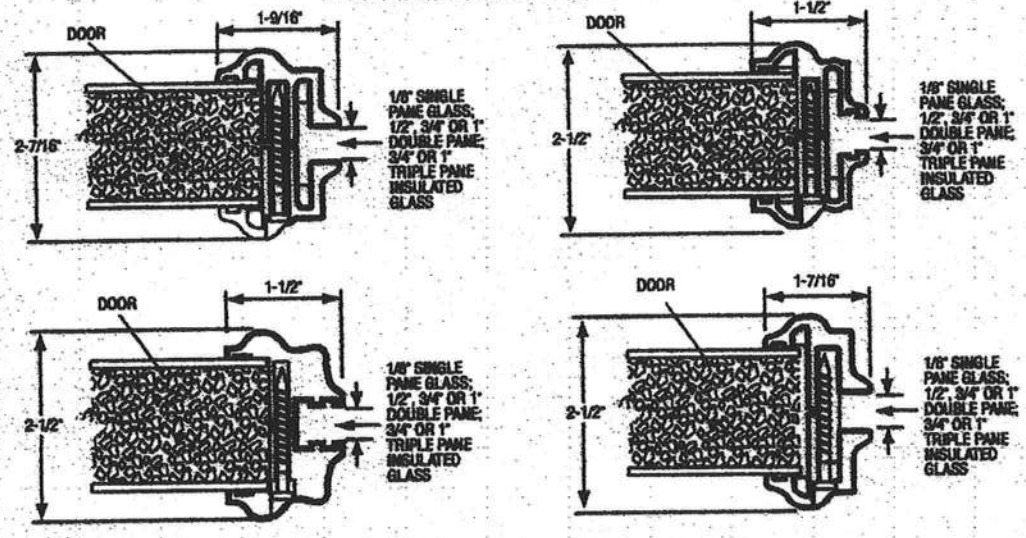
PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

GLASS INSERT IN DOOR OR SIDELITE PANEL



SECTION A-A
TYPICAL RIGID PLASTIC LIP LITE SURROUND



XX
Glazed Outswing Unit

COP-WL-JH4162-02

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

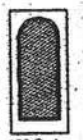
3/4 GLASS:

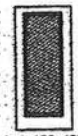

404 Series

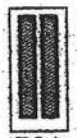

416 Series

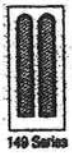

450 Series

FULL GLASS:


109 Series


114, 120, 122 Series


152 Series


149 Series


300 Series

CERTIFIED TEST REPORTS:

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

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

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

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

Frame constructed of wood with an extruded aluminum bumper threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

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

Kurt L Balthy

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

Johnson EntrySystems

March 29, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®

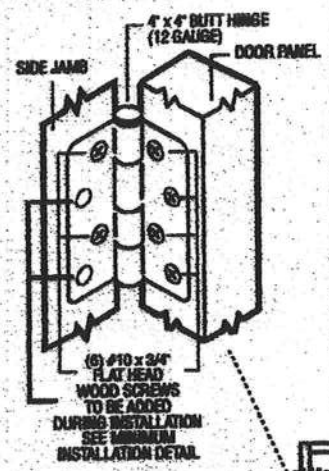
Masonite International Corporation

XX
Unit

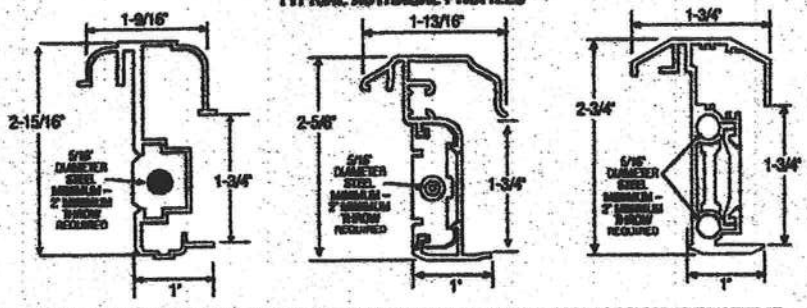
MAD-WL-MA0012-02

OUTSWING UNITS WITH DOUBLE DOOR

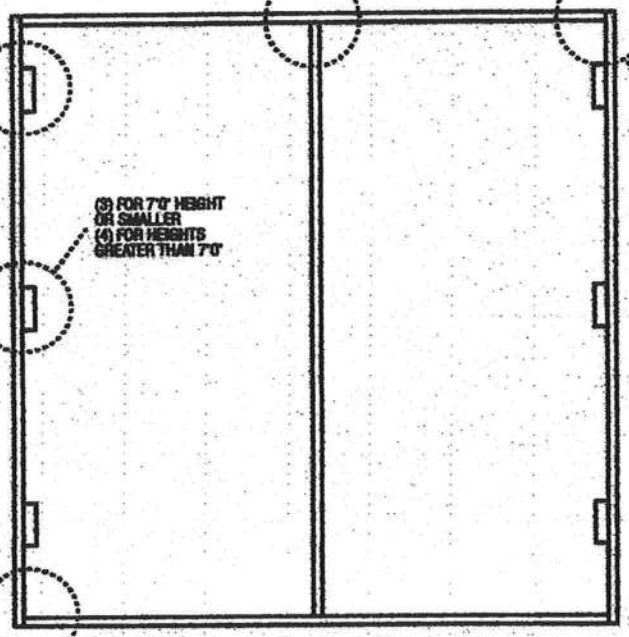
TYPICAL HINGE ATTACHMENT



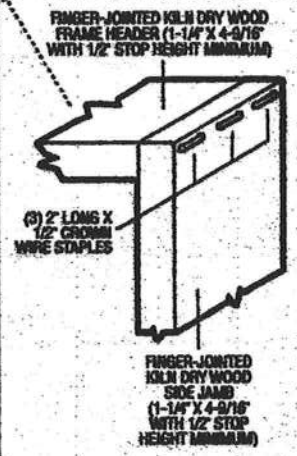
TYPICAL ASTRAGAL PROFILES



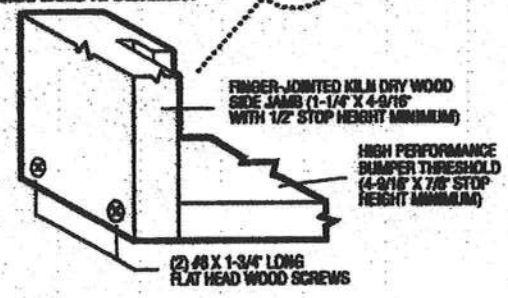
ALUMINUM EXTRUDED ASTRAGAL (0.05" MINIMUM WALL THICKNESS) WITH ADDED REINFORCEMENT INSERTS AT TOP EXTENSION BOLT, BOTTOM EXTENSION BOLT AND CYLINDERICAL/DEADBOLT LATCHING LOCATIONS. ATTACH WITH #8 X 1" PAN HEAD SCREWS – LOCATE 1" FROM EACH END MINIMUM AND 22" O.C. MAXIMUM.



TYPICAL HEADER & SIDE JAMB ATTACHMENT



TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT



March 29, 2002
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PREMDOR Collection Premium Quality Doors

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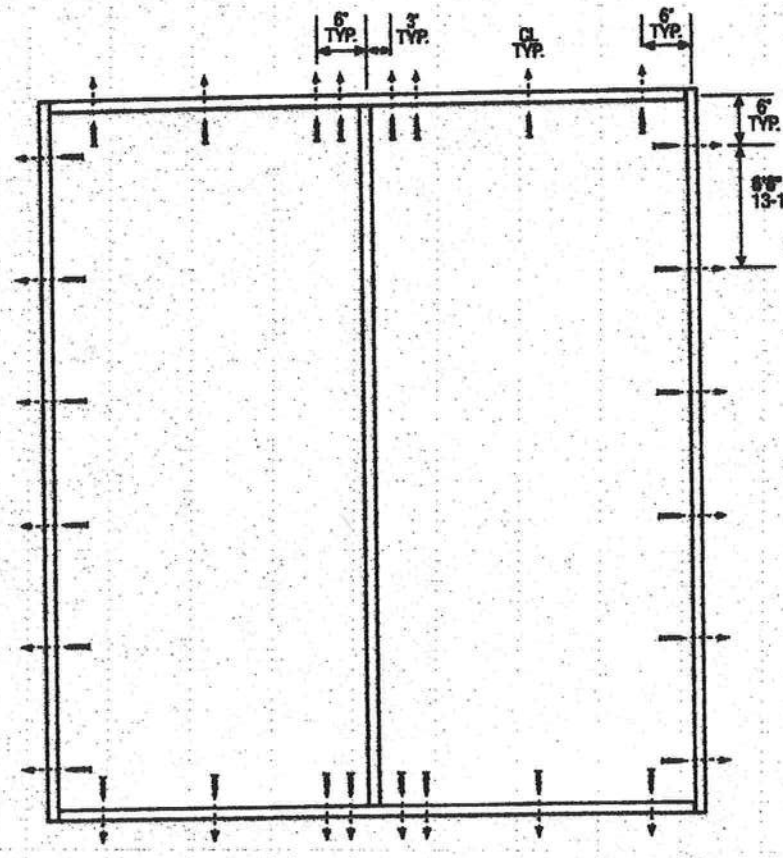
Masonite International Corporation

XX
Unit

MID-WL-MA0002-02

DOUBLE DOOR



Minimum Fastener Count

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

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

Latching Hardware:

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

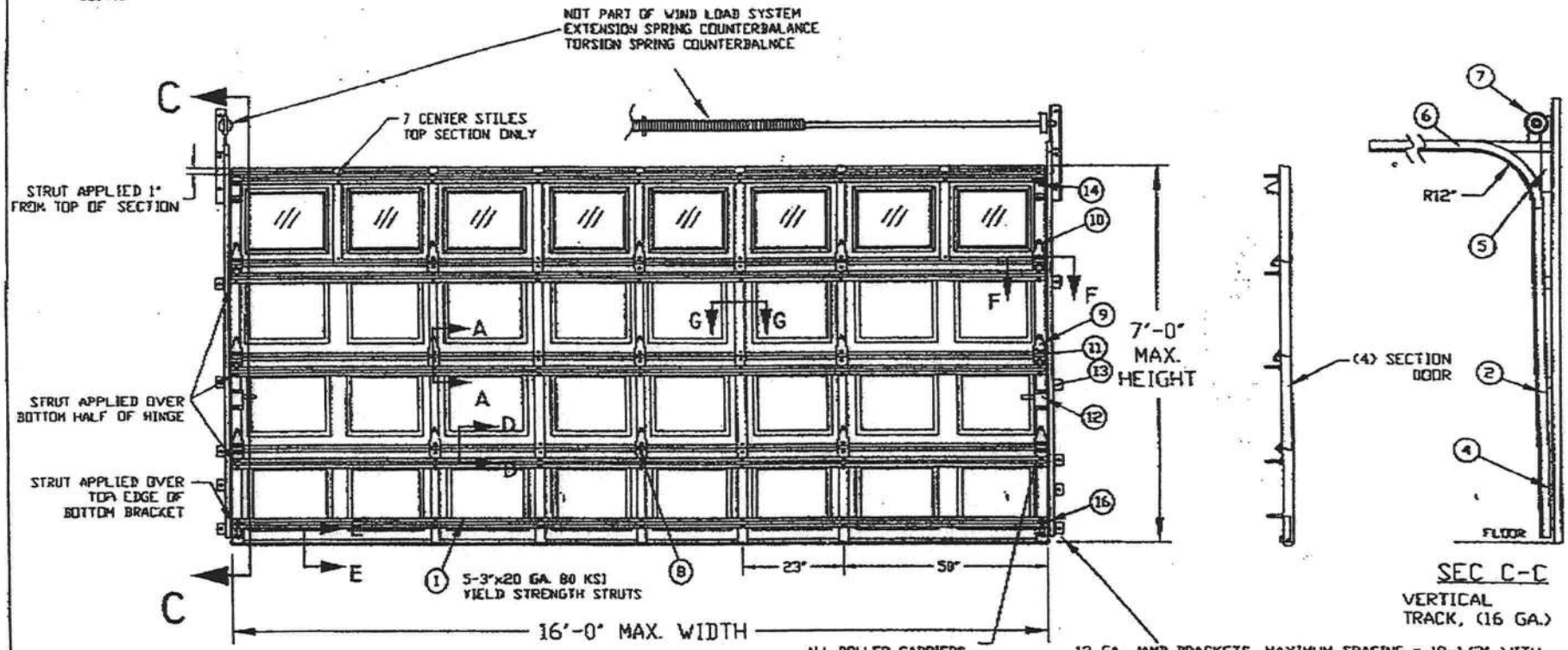
Notes:

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

REV.	DATE	BY	DESCRIPTION
A - A	11-10-00	DW	SEE E.C.N. 831

NOTES:

1. TESTED TO POSITIVE AND NEGATIVE 20 PSF DESIGN AND POSITIVE AND NEGATIVE 30 PSF TEST PRESSURES PER ASTM E-330
2. MAXIMUM SECTION HEIGHT= 21"
3. SECTION HEIGHTS OF 21.00" AND 19.50" ARE AVAILABLE AND MAY BE USED IN ANY COMBINATION TO ACHIEVE VARIOUS DOOR HEIGHTS.
4. WINDOWS MAY BE INSTALLED IN THE TOP SECTION (AS TESTED WITH 1/8" DSB GLASS OR EQUIVALENT) OR IN THE SECTION IMMEDIATELY BELOW THE TOP SECTION.
5. MINIMUM LENGTH OF ROLLER STEM IS 5½" (7" AS TESTED)
6. THE STRUT PLACEMENT ON DOOR MUST BE CONSISTENT WITH THE DOOR SHOWN.
7. STRUTS SECURED AT ALL LOCATIONS WITH TEK SCREWS.
8. QUANTITY OF SIDE LOCKS CAN BE 0,1, OR (2 AS TESTED).
9. (A) DROP IN TYPE OF INSULATION IS OPTIONAL



INSIDE ELEVATION

SEC C-C
VERTICAL TRACK, (16 GA.)

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

ENGINEER SEAL PE No. 024280 PROFESSIONAL NORTH CAROLINA

LISTED SBCCI PST & ESI REPORT No. 2202

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

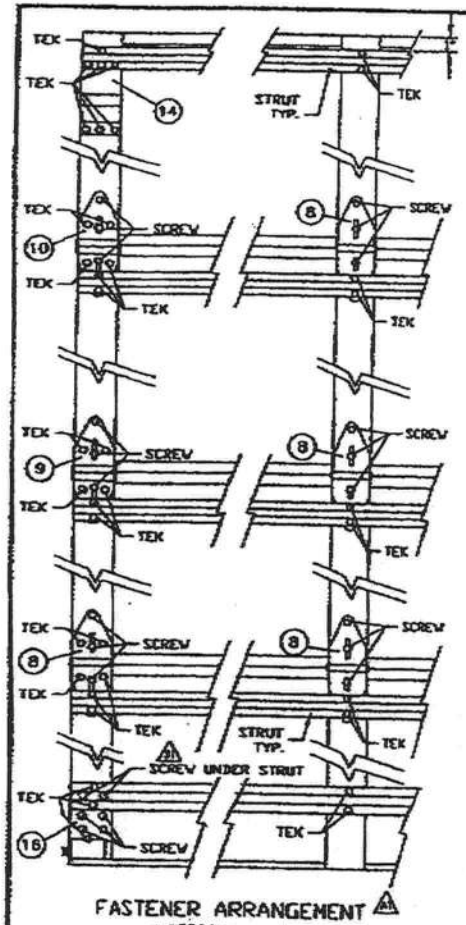
DESIGN LOAD +20.0 PSF & -20.0 PSF
TEST LOAD +30.0 PSF & -30.0 PSF

GADCO DOORS
SERIES 7400, EXTERIOR STEEL =.017 MIN (AS TESTED)
SERIES 7825, EXTERIOR STEEL =.019" MIN (A)
SERIES 7524, EXTERIOR STEEL =.024" MIN (A)
(TESTED) WITH WINDOWS

MAXIMUM DOOR WIDTH	MAXIMUM DOOR HEIGHT	TYPICAL CTR. STILE SPACING	STRUTS 80 KSI SIZE	STRUTS 80 KSI QTY.	VERTICAL TRACK
16'	7'	23"	3"	5	2 IN.

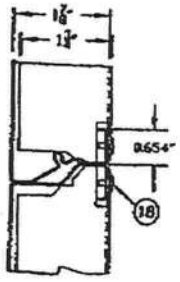
GENERAL AMERICAN DOOR COMPANY
5050 BASELINE ROAD
MONTGOMERY, IL 60538

SCALE: 1:25 | APPROVED BY: | DRAWN BY: D. WIEDMAN
DATE: 10-20-00 | REVISED: (A) 11-10-00
DESCRIPTION: 16' X 7' MAX. RAISED PANEL STEEL DOOR -WINDLOAD ±20 PSF
PART NUMBER: PAGE 1 OF 2 | DRAWING NUMBER: W13220-1

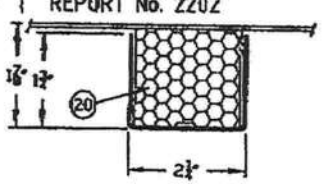


FASTENER ARRANGEMENT

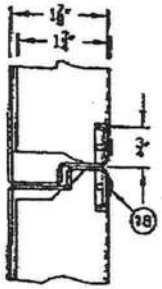
LISTED
SBCCI PST & ESI
REPORT No. 2202



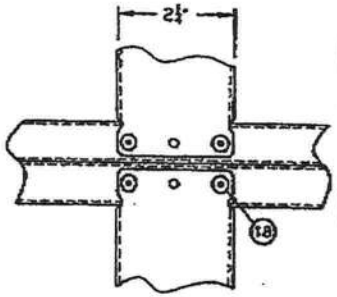
SEC D-D
PAN ATTACHMENT TO STILE (OPTIONAL)



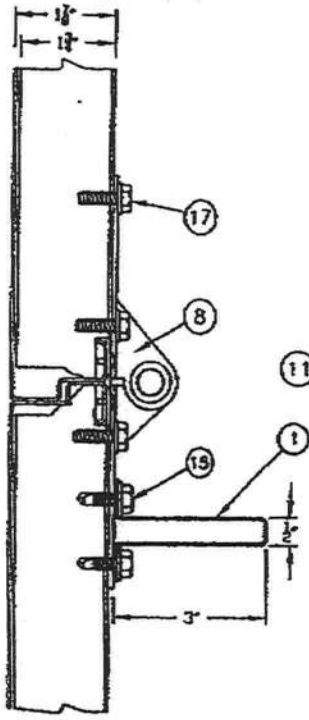
SEC G-G
CENTER STILE
20 GA. GALVANIZED



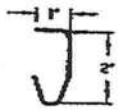
SEC D-D
PAN ATTACHMENT TO STILE (AS TESTED)



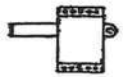
PAN ATTACHMENT TO STILE



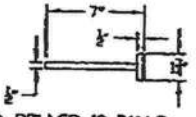
SEC A-A



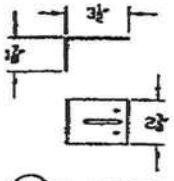
TRACK
16 GA. C055 MIN.



(12) SIDE LOCK



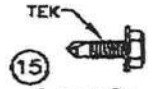
(11) ROLLER 10 BALLS



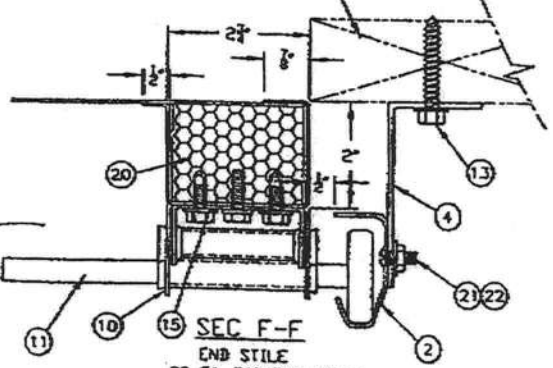
(4) #6 JAMB BRACKET

(1) 5-3"x20 GA. 80 KSI YIELD STRENGTH HEMMED STRUT APPLIED WITH 2 TEK SCREWS PER HINGE OR STILE LOCATION (14 PER STRUT, MINIMUM)

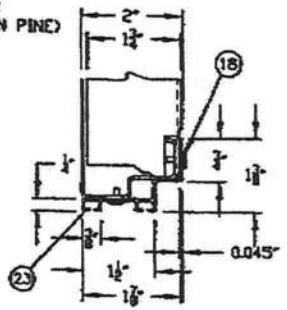
(17) SCREW
¼-20 X ¾ HEX WASHERHEAD SCREW



(15) TEK
¼-20 X ¾ HWH TEK SCREW WITH #2 REDUCED POINT



SEC F-F
END STILE
20 GA. PAINTED STEEL



SEC E-E

REV.	DATE	BY	DESCRIPTION
A	11-27-00	DW	SEE ECN #34
B	12-1-00	DW	SEE ECN #39

ITEM	PART NO.	DESCRIPTION
23	3485	BOTTOM RAIL, 6063 T5 ALUM EXT.
22	1391	1/4"-20 X 5/8" RIBBED NECK SCREW
21	4044	1/4"-20 SERRATED FLANGE NUT
20		1.0 LB DENSITY ROLLER BLOCK EPS
19		
18	4385	POP RIVET, 5/32" STEEL
17	4229	HEX WASHERHEAD SCREW 1/4"-20 X 3/4"
16	1399LBR	BOTTOM ROLLER BRACKET
15	0138	HWH TEK SCREW 1/4-20 X 3/4 W/ REDUCED PT.
14	3875	TOP SUPPORT BRACKET
13	4043	5/16" X 1-5/8" LAG SCREW
12	4716	SIDE LOCK
11	4306	LONG STEM ROLLER 2"
10	4203	ROLLER CARRIER HINGE #3 (14 GA)
9	4202	ROLLER CARRIER HINGE #2 (14 GA)
8	4201	ROLLER CARRIER HINGE #1 (14 GA)
7		COUNTER BALANCE (TORSION BAR & SPRINGS)
6		HORIZONTAL TRACK & ANGLE (16 GA)
5		VERTICAL FLAG ANGLE
4	4585-6	TRACK BRACKET #6 (12 GA)
3		
2		VERTICAL TRACK (16 GA)
1		3" HEMMED STRUT (20 GA) MIN. YIELD STR. 80KSI

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

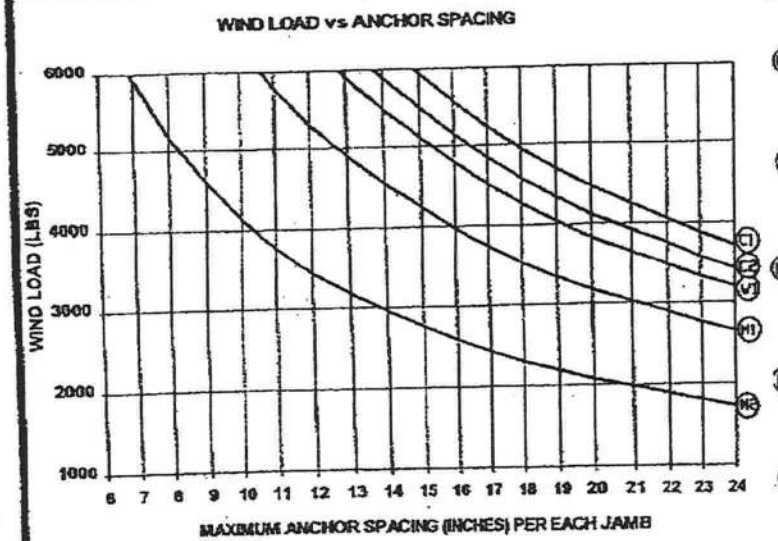
SCALE: NONE | APPROVED BY: | DRAWN BY: D. VIEDMAN
DATE: 11-7-00 | REVISED (B) 12-1-00

DESCRIPTION: 16' X 7' MAX. RAISED PANEL STEEL DOOR-WINDLOAD ±28 PSF

PAGE 2 OF 2 | DRAWING NUMBER: W13220-2

NORTH CAROLINA PROFESSIONAL SEAL PE No. 024280 ENGINEER KEVAN

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



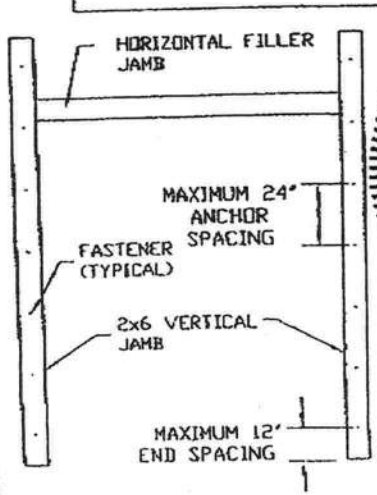
DESIGN LOAD (LBS) / FT² X GARAGE DOOR AREA(WIDTH-FT X HEIGHT-FT) = WIND LOAD(LBS)

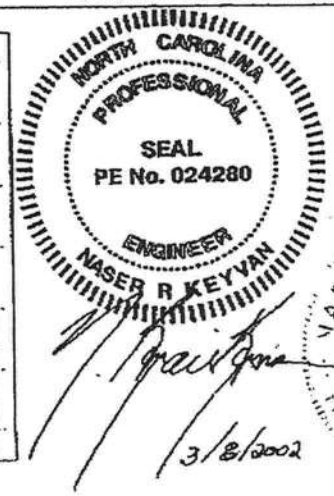
EXAMPLE

30 LBS / FT² X (16 FT WIDE X 8 FT HIGH) = 3840 LBS

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

SEE NOTE 11 FOR ADDITIONAL REQUIRED 2X6 WOOD JAMB ANCHORS





2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

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

NOTES:

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

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

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

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

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

6) EMBEDMENTS LISTED ARE THE MINIMUM ALLOWABLE EMBEDMENTS.

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

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

9) WASHERS ARE REQUIRED ON ALL FASTENERS.

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

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

GADCO®

GENERAL AMERICAN DOOR COMPANY
5050 BASELINE ROAD
MONTGOMERY, IL 60538

SCALE NONE	APPROVED BY:	DRAWN BY DW
DATE 8-30-99		REVISED

DESCRIPTION: JAMB TO STRUCTURE ATTACHMENT FOR WIND LOADED GARAGE DOORS

MASTER DRAWING NUMBER A10560 | DRAWING NUMBER

Residential System Sizing Calculation

Summary

Cady Residence

Lake City, FL 32024-

Project Title:
Mike & Linda Cady

Code Only
Professional Version
Climate: North

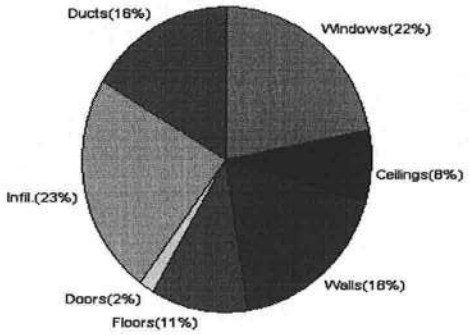
1/22/2008

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	**26101**	**Btuh**	**Total cooling load calculation**	**42527**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	118.8	31000	Sensible (SHR = 0.75)	74.3	23250
Heat Pump + Auxiliary(0.0kW)	118.8	31000	Latent	69.0	7750
			Total (Electric Heat Pump)	72.9	31000

WINTER CALCULATIONS

Winter Heating Load (for 1534 sqft)

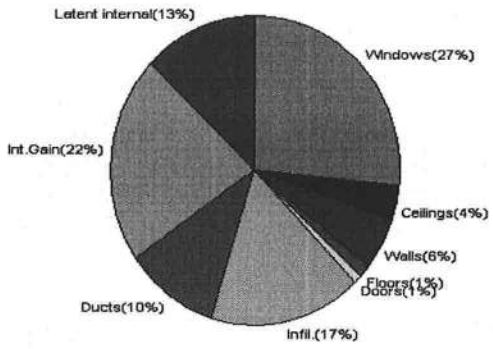
Load component			Load	
Window total	178	sqft	5730	Btuh
Wall total	1580	sqft	4641	Btuh
Door total	36	sqft	466	Btuh
Ceiling total	1742	sqft	2053	Btuh
Floor total	See detail report		2889	Btuh
Infiltration	149	cfm	6030	Btuh
Duct loss			4293	Btuh
Subtotal			**26101**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**26101**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1534 sqft)

Load component			Load	
Window total	178	sqft	11383	Btuh
Wall total	1580	sqft	2371	Btuh
Door total	36	sqft	353	Btuh
Ceiling total	1742	sqft	1498	Btuh
Floor total			491	Btuh
Infiltration	130	cfm	2424	Btuh
Internal gain			9410	Btuh
Duct gain			3365	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**31295**	**Btuh**
Latent gain(ducts)			1072	Btuh
Latent gain(infiltration)			4760	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			5400	Btuh
Total latent gain			**11232**	**Btuh**
TOTAL HEAT GAIN			**42527**	**Btuh**



Powered by ACCA MANUAL J

Version 8
For Florida residences only

EnergyGauge® System Sizing
PREPARED BY: _____
DATE: 1-22-08

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Cady Residence
Lake City, FL 32024-

Project Title:
Mike & Linda Cady

Code Only
Professional Version
Climate: North

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

1/22/2008

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NE	15.0	32.2	483 Btuh
2	2, Clear, Metal, 0.87	E	20.0	32.2	644 Btuh
3	2, Clear, Metal, 0.87	SE	15.0	32.2	483 Btuh
4	2, Clear, Metal, 0.87	S	20.0	32.2	644 Btuh
5	2, Clear, Metal, 0.87	E	48.0	32.2	1545 Btuh
6	2, Clear, Metal, 0.87	S	24.0	32.2	773 Btuh
7	2, Clear, Metal, 0.87	W	36.0	32.2	1159 Btuh
	Window Total		178(sqft)		5730 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.08)	19.0	546	2.9	1561 Btuh
2	Frame - Wood - Adj(0.09)	13.0	290	3.3	952 Btuh
3	Frame - Wood - Ext(0.08)	19.0	744	2.9	2127 Btuh
	Wall Total		1580		4641 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		18	12.9	233 Btuh
2	Insulated - Adjacent		18	12.9	233 Btuh
	Door Total		36		466Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/L/Tile	30.0	1350	1.2	1591 Btuh
2	Vented Attic/L/Tile	30.0	392	1.2	462 Btuh
	Ceiling Total		1742		2053Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	5	84.0 ft(p)	16.4	1374 Btuh
2	Raised Wood - Adj	30	1142.0 sqft	1.3	1515 Btuh
	Floor Total		1226		2889 Btuh
				Envelope Subtotal:	15778 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft) CFM=	
	Natural	0.80	11164	1580 148.9	6030 Btuh
Ductload				(DLM of 0.197)	4293 Btuh
All Zones				**Sensible Subtotal All Zones**	**26101 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Cady Residence

Lake City, FL 32024-

Project Title:
Mike & Linda Cady

Code Only
Professional Version
Climate: North

1/22/2008

WHOLE HOUSE TOTALS

	Subtotal Sensible	26101 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	26101 Btuh

EQUIPMENT

1. Electric Heat Pump	#	31000 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)

Version 8
For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Cady Residence
Lake City, FL 32024-

Project Title:
Mike & Linda Cady

Code Only
Professional Version
Climate: North

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

1/22/2008

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NE	15.0	32.2	483 Btuh
2	2, Clear, Metal, 0.87	E	20.0	32.2	644 Btuh
3	2, Clear, Metal, 0.87	SE	15.0	32.2	483 Btuh
4	2, Clear, Metal, 0.87	S	20.0	32.2	644 Btuh
	Window Total		70(sqft)		2253 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.08)	19.0	546	2.9	1561 Btuh
2	Frame - Wood - Adj(0.09)	13.0	290	3.3	952 Btuh
	Wall Total		836		2513 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		18	12.9	233 Btuh
	Door Total		18		233Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
2	Vented Attic/L/Tile	30.0	392	1.2	462 Btuh
	Ceiling Total		392		462Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	5	84.0 ft(p)	16.4	1374 Btuh
2	Raised Wood - Adj	30	1142.0 sqft	1.3	1515 Btuh
	Floor Total		1226		2889 Btuh
			Zone Envelope Subtotal:		8351 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft) CFM=	
	Natural	0.80	4312	836 78.8	3190 Btuh
Ductload	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic) (DLM of 0.197)				2272 Btuh
Zone #1			**Sensible Zone Subtotal**		**13813 Btuh**

Component Loads for Zone #2: 2nd Floor

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
5	2, Clear, Metal, 0.87	E	48.0	32.2	1545 Btuh
6	2, Clear, Metal, 0.87	S	24.0	32.2	773 Btuh
7	2, Clear, Metal, 0.87	W	36.0	32.2	1159 Btuh
	Window Total		108(sqft)		3477 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
3	Frame - Wood - Ext(0.08)	19.0	744	2.9	2127 Btuh
	Wall Total		744		2127 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Cady Residence

Lake City, FL 32024-

Project Title:
Mike & Linda Cady

Code Only
Professional Version
Climate: North

1/22/2008

Doors	Type		Area X	HTM=	Load
2	Insulated - Adjacent		18	12.9	233 Btuh
	Door Total		18		233Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/L/Tile	30.0	1350	1.2	1591 Btuh
	Ceiling Total		1350		1591Btuh
			Zone Envelope Subtotal:		7428 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft)	CFM=
	Natural	0.80	6852	744	70.1 2839 Btuh
Ductload	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic) (DLM of 0.197)				2021 Btuh
Zone #2			**Sensible Zone Subtotal**		**12288 Btuh**

WHOLE HOUSE TOTALS

	Subtotal Sensible	26101 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	26101 Btuh

EQUIPMENT

1. Electric Heat Pump	#	31000 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)

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System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Cady Residence
Lake City, FL 32024-

Project Title:
Mike & Linda Cady

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 1/22/2008

Component Loads for Whole House

	Type*		Overhang		Window Area(sqft)			HTM		Load
Window	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2, Clear, 0.87, None,N,N	NE	1.5ft	11ft.	15.0	0.0	15.0	29	60	901 Btuh
2	2, Clear, 0.87, None,N,N	E	1.5ft	11ft.	20.0	0.0	20.0	29	80	1590 Btuh
3	2, Clear, 0.87, None,N,N	SE	1.5ft	11ft.	15.0	0.0	15.0	29	63	938 Btuh
4	2, Clear, 0.87, None,N,N	S	8.5ft	10ft.	20.0	20.0	0.0	29	34	579 Btuh
5	2, Clear, 0.87, None,N,N	E	1.5ft	6ft.	48.0	0.0	48.0	29	80	3817 Btuh
6	2, Clear, 0.87, None,N,N	S	1.5ft	6ft.	24.0	24.0	0.0	29	34	695 Btuh
7	2, Clear, 0.87, None,N,N	W	1.5ft	6ft.	36.0	0.0	36.0	29	80	2863 Btuh
	Window Total				178 (sqft)					11383 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	19.0/0.08	546.0	1.5	819 Btuh
2	Frame - Wood - Adj	13.0/0.09	290.0	1.5	438 Btuh
3	Frame - Wood - Ext	19.0/0.08	744.0	1.5	1115 Btuh
	Wall Total		1580 (sqft)		2371 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Adjacent	18.0	9.8	176 Btuh
2	Insulated - Adjacent	18.0	9.8	176 Btuh
	Door Total	36 (sqft)		353 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/Light/Tile	30.0	1350.0	0.9	1161 Btuh
2	Vented Attic/Light/Tile	30.0	392.0	0.9	337 Btuh
	Ceiling Total		1742 (sqft)		1498 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	5.0	84 (ft(p))	0.0	0 Btuh
2	Raised Wood - Adj	30.0	1142 (sqft)	0.4	491 Btuh
	Floor Total		1226.0 (sqft)		491 Btuh

	Envelope Subtotal:	16096 Btuh

Infiltration	Type	ACH	Volume(cuft)	wall area(sqft)	CFM=	Load
	SensibleNatural	0.70	11164	1580	148.9	2424 Btuh

Internal gain	Occupants	Btuh/occupant	Appliance	Load
	27	X 230 +	3200	9410 Btuh

	Sensible Envelope Load:	27930 Btuh
Duct load	(DGM of 0.120)	3365 Btuh
	Sensible Load All Zones	**31295 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Cady Residence

Lake City, FL 32024-

Project Title:
Mike & Linda Cady

Code Only
Professional Version
Climate: North

1/22/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**27930 Btuh**
	Sensible Duct Load	3365 Btuh
	Total Sensible Zone Loads	**31295 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**31295 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	4760 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	1072 Btuh
	Latent occupant gain (27 people @ 200 Btuh per person)	5400 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**11232 Btuh**
	TOTAL GAIN	**42527 Btuh**

EQUIPMENT

1. Central Unit	#	31000 Btuh

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

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System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Cady Residence
Lake City, FL 32024-

Project Title:
Mike & Linda Cady

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 1/22/2008

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	NE	1.5ft	11ft.	15.0	0.0	15.0	29	60	901 Btuh
2	2, Clear, 0.87, None,N,N	E	1.5ft	11ft.	20.0	0.0	20.0	29	80	1590 Btuh
3	2, Clear, 0.87, None,N,N	SE	1.5ft	11ft.	15.0	0.0	15.0	29	63	938 Btuh
4	2, Clear, 0.87, None,N,N	S	8.5ft	10ft.	20.0	20.0	0.0	29	34	579 Btuh
	Window Total				70 (sqft)					4008 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	19.0/0.08	546.0	1.5	819 Btuh
2	Frame - Wood - Adj	13.0/0.09	290.0	1.5	438 Btuh
	Wall Total		836 (sqft)		1256 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Adjacent	18.0	9.8	176 Btuh
	Door Total	18 (sqft)		176 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
2	Vented Attic/Light/Tile	30.0	392.0	0.9	337 Btuh
	Ceiling Total		392 (sqft)		337 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	5.0	84 (ft(p))	0.0	0 Btuh
2	Raised Wood - Adj	30.0	1142 (sqft)	0.4	491 Btuh
	Floor Total		1226.0 (sqft)		491 Btuh

	Zone Envelope Subtotal:	6269 Btuh

Infiltration	Type	ACH	Volume(cuft)	wall area(sqft)	CFM=	Load
	SensibleNatural	0.70	4312	836	68.9	1283 Btuh

Internal gain	Occupants	Btuh/occupant		Appliance	Load
	2	X 230	+	800	1260 Btuh

	Sensible Envelope Load:	8812 Btuh

Duct load			
	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic)	(DGM of 0.120)	1062 Btuh

	Sensible Zone Load	**9873 Btuh**

Component Loads for Zone #2: 2nd Floor

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
5	2, Clear, 0.87, None,N,N	E	1.5ft	6ft.	48.0	0.0	48.0	29	80	3817 Btuh
6	2, Clear, 0.87, None,N,N	S	1.5ft	6ft.	24.0	24.0	0.0	29	34	695 Btuh
7	2, Clear, 0.87, None,N,N	W	1.5ft	6ft.	36.0	0.0	36.0	29	80	2863 Btuh
	Window Total				108 (sqft)					7374 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
3	Frame - Wood - Ext	19.0/0.08	744.0	1.5	1115 Btuh
	Wall Total		744 (sqft)		1115 Btuh

Doors	Type	Area (sqft)	HTM	Load
2	Insulated - Adjacent	18.0	9.8	176 Btuh
	Door Total	18 (sqft)		176 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Cady Residence

Lake City, FL 32024-

Project Title:
Mike & Linda Cady

Code Only
Professional Version
Climate: North

1/22/2008

Ceilings	Type/Color/Surface	R-Value	Area(sqft)		HTM	Load
1	Vented Attic/Light/Tile	30.0	1350.0		0.9	1161 Btuh
	Ceiling Total		1350 (sqft)			1161 Btuh
				Zone Envelope Subtotal:		9827 Btuh
Infiltration	Type	ACH	Volume(cuft)	wall area(sqft)	CFM=	Load
	SensibleNatural	0.70	6852	744	61.3	1141 Btuh
Internal gain		Occupants	Btuh/occupant		Appliance	Load
		25	X 230	+	2400	8150 Btuh
				Sensible Envelope Load:		19118 Btuh
Duct load	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic)				(DGM of 0.120)	2303 Btuh
				Sensible Zone Load		**21422 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Cady Residence

Lake City, FL 32024-

Project Title:
Mike & Linda Cady

Code Only
Professional Version
Climate: North

1/22/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**27930 Btuh**
	Sensible Duct Load	3365 Btuh
	Total Sensible Zone Loads	**31295 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**31295 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	4760 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	1072 Btuh
	Latent occupant gain (27 people @ 200 Btuh per person)	5400 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**11232 Btuh**
	TOTAL GAIN	**42527 Btuh**

EQUIPMENT

1. Central Unit	#	31000 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)

Version 8
For Florida residences only

Residential Window Diversity

MidSummer

Cady Residence

Lake City, FL 32024-

Project Title:
Mike & Linda Cady

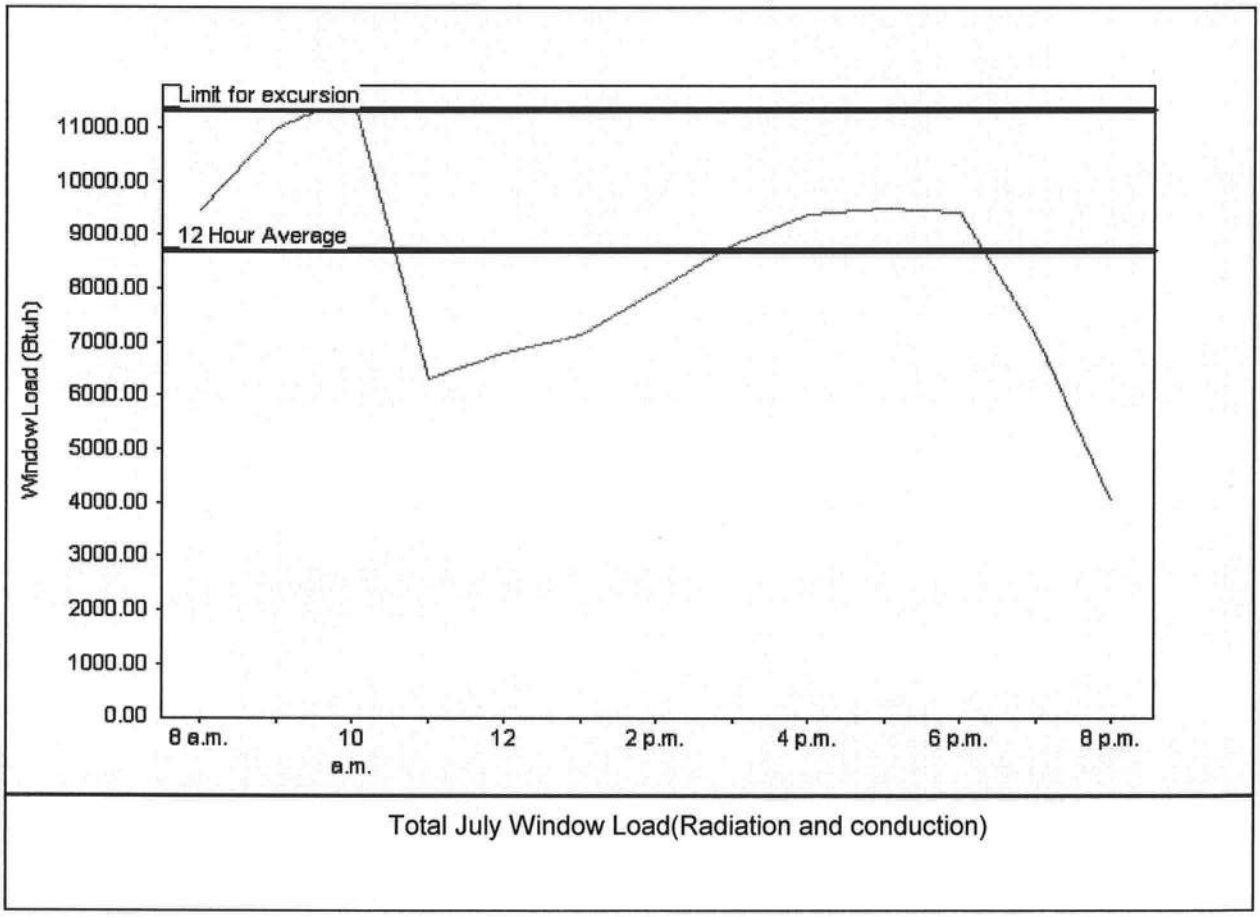
Code Only
Professional Version
Climate: North

1/22/2008

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	8712 Btuh
Summer setpoint	75 F	Peak window load for July	11609 Btu
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	11325 Btu
Latitude	29 North	Window excursion (July)	284 Btuh

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

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

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: _____

Return to: (enclose self-addressed stamped envelope)
Name: Tri-County Title Services
of Lake City, Inc.
Address: 229 N. Hernando Street
Lake City, Florida 320555

This Instrument Prepared by:
PURSUANT TO THE ISSUANCE OF TITLE INSURANCE
Tri-County Title Services
Address: of Lake City, Inc.
229 N. Hernando Street
Lake City, Florida 32055

Property Appraisers Parcel Identification (Folio) Number(s):
36-4S-16-03322-009 & 01-5S-16-03387-005

Grantee(s) S.S. #(s): MICHAEL L. CADY 503-54-9709
LINDA M. CADY 593-56-7687

SPACE ABOVE THIS LINE FOR PROCESSING DATA

WARRANTY DEED
INDIVID. TO INDIVID.

RAMCO FORM 01

©Ramsdale Paper & Printing Co., Inc. 1987

91 - 12644

1991 SEP 12 PM 2 43

R. Scippio

SPACE ABOVE THIS LINE FOR RECORDING DATA

This Warranty Deed *Made the* 4th *day of* September *A.D. 1991 by*
ROBERT A. BERMAN
hereinafter called the grantor, to
MICHAEL L. CADY and his wife, LINDA M. CADY
whose post office address is P.O. Box 1477, Lake City, Florida, 32056

hereinafter called the grantee:
(Wherever used herein the terms "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 $* 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, State of* Florida *, viz:*

SEE SCHEDULE "A" ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.

THE PROPERTY DESCRIBED IN SCHEDULE "A" HEREOF IS NOT THE HOMESTEAD OF THE GRANTOR HEREIN, WHO IN FACT RESIDES AT 1709 St. Andrews Road, Hollywood Florida 33021 .

BK 0750 PG 0743

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, and hereby 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, 19* 90.

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

Signed, sealed and delivered in the presence of:

Signature: Martin Berman
Printed Signature: MARTIN BERMAN

Signature: Angela Tortorella
Printed Signature: ANGELA TORTORELLA

Signature
Printed Signature

Signature
Printed Signature

Robert A. Berman (L.S.)
Signature
ROBERT A. BERMAN
Printed Signature
1709 St. Andrews Road, Hollywood, Florida 33021
Post Office Address

(L.S.)
Signature
Printed Signature
Post Office Address

DOCUMENTARY STAMP 210.00
INTANGIBLE TAX —0—
P. DEWITT CASON, CLERK OF COURTS, COLUMBIA COUNTY
By R. Scippio

STATE OF FLORIDA
COUNTY OF FLORIDA

I HEREBY CERTIFY that on this day, before me, an officer duly authorized in the State aforesaid and in the County aforesaid to take acknowledgments, personally appeared ROBERT A. BERMAN to me known to be the person described in and who executed the foregoing instrument and he acknowledged before me that he executed the same.

WITNESS my hand and official seal in the County and State last aforesaid this 4 day of September. A.D. 1991.

Linda Baker
Notary Signature
LINDA BAKER
Printed Notary Signature
My Commission Expires:

SEAL

NOTARY PUBLIC STATE OF FLORIDA
MY COMMISSION EXP. MAR.16,1994
BONDED THRU GENERAL INS. UND.

TOGETHER WITH an easement for ingress and egress described as follows: BEGIN at the Southeast corner of Lot 6, Unit 4, SOUTHWOOD ACRES, a subdivision according to a plat thereof recorded in Plat Book 4, Page 7 of the Public Records of Columbia County, Florida and run thence S 0°08'06" E, 45 feet, thence N 89°20'07" E, 94.55 feet, thence S 0°08'06" E, 249.61 feet, thence N 89°20'07" E, 123.41 feet to the West line of the above described lands, thence N 0°08'06" W along said West line, 30.00 feet to the Northwest corner of said described lands, thence S 89°20'07" W, 93.41 feet, thence N 0°08'06" W, 264.61 feet to the South line of said Unit 4, SOUTHWOOD ACRES, thence S 89°20'07" W along said South line, 124.55 feet to the POINT OF BEGINNING.

PARCEL NO. 4

Commence at the Southeast corner of Section 36, Township 4 South, Range 16 East, Columbia County, Florida and run thence N 0°14'34" E along the East line of said Section 36, 37.54 feet, thence S 89°20'07" W, 220.15 feet to the POINT OF BEGINNING, thence continue S 89°20'07" W, 219.43 feet, thence S 0°08'06" E, 398.19 feet, thence N 88°51'13" E, 219.46 feet, thence N 0°08'06" W, 396.34 feet to the POINT OF BEGINNING. Said lands being a part of the SE¼ of SE¼ of Section 36 and the NE¼ of NE¼ of Section 1, Township 5 South, Range 16 East. The North 30 feet of said lands being subject to an easement for ingress and egress.

TOGETHER WITH an easement for ingress and egress described as follows: BEGIN at the Southeast corner of Lot 6, Unit 4, SOUTHWOOD ACRES, a subdivision according to plat thereof recorded in Plat Book 4, Page 7 of the Public Records of Columbia County, Florida and run thence S 0°08'06" E, 45 feet, thence N 89°20'07" E, 94.55 feet, thence S 0°08'06" E, 219.61 feet to the North line of the above described lands, thence N 89°20'07" E along said North line, 30.00 feet, thence N 0°08'06" W, 264.61 feet to the South line of said Unit 4, SOUTHWOOD ACRES, thence S 89°20'07" W along said South line, 124.55 feet to the POINT OF BEGINNING.

PARCEL NO. 5

Commence at the Southeast corner of Section 36, Township 4 South, Range 16 East, Columbia County, Florida and run thence N 0°14'34' E along the East line of said Section 36, 37.54 feet, thence S 89°20'07" W, 439.58 feet to the POINT OF BEGINNING, thence continue S 89°20'07" W, 218.42 feet, thence S 0°08'06" E, 400.02 feet, thence N 88°51'13" E, 218.44 feet, thence N 0°08'06" W, 398.19 feet to the POINT OF BEGINNING. Said lands being a part of the SE¼ of SE¼ of Section 36 and the NE¼ of NE¼ of Section 1, Township 5 South, Range 16 East.

TOGETHER WITH an easement for ingress and egress described as follows: BEGIN at the Southeast corner of Lot 6, Unit 4, SOUTHWOOD ACRES, a subdivision according to plat thereof recorded in Plat Book 4, Page 7 of the Public Records of Columbia County, Florida and run thence S 0°08'06" E, 45 feet, thence N 89°20'07" E, 94.55 feet, thence S 0°08'06" E, 219.61 feet, thence S 89°20'07" W, 96.02 feet to the Northeast corner of the above described lands, thence S 0°08'06" E along the East line of said above described lands, 30.00 feet, thence N 89°20'07" E, 126.02 feet, thence N 0°08'06" W, 294.61 feet to the South line of said Unit 4, SOUTHWOOD ACRES, thence S 89°20'27" W along said South line, 124.55 feet to the POINT OF BEGINNING.

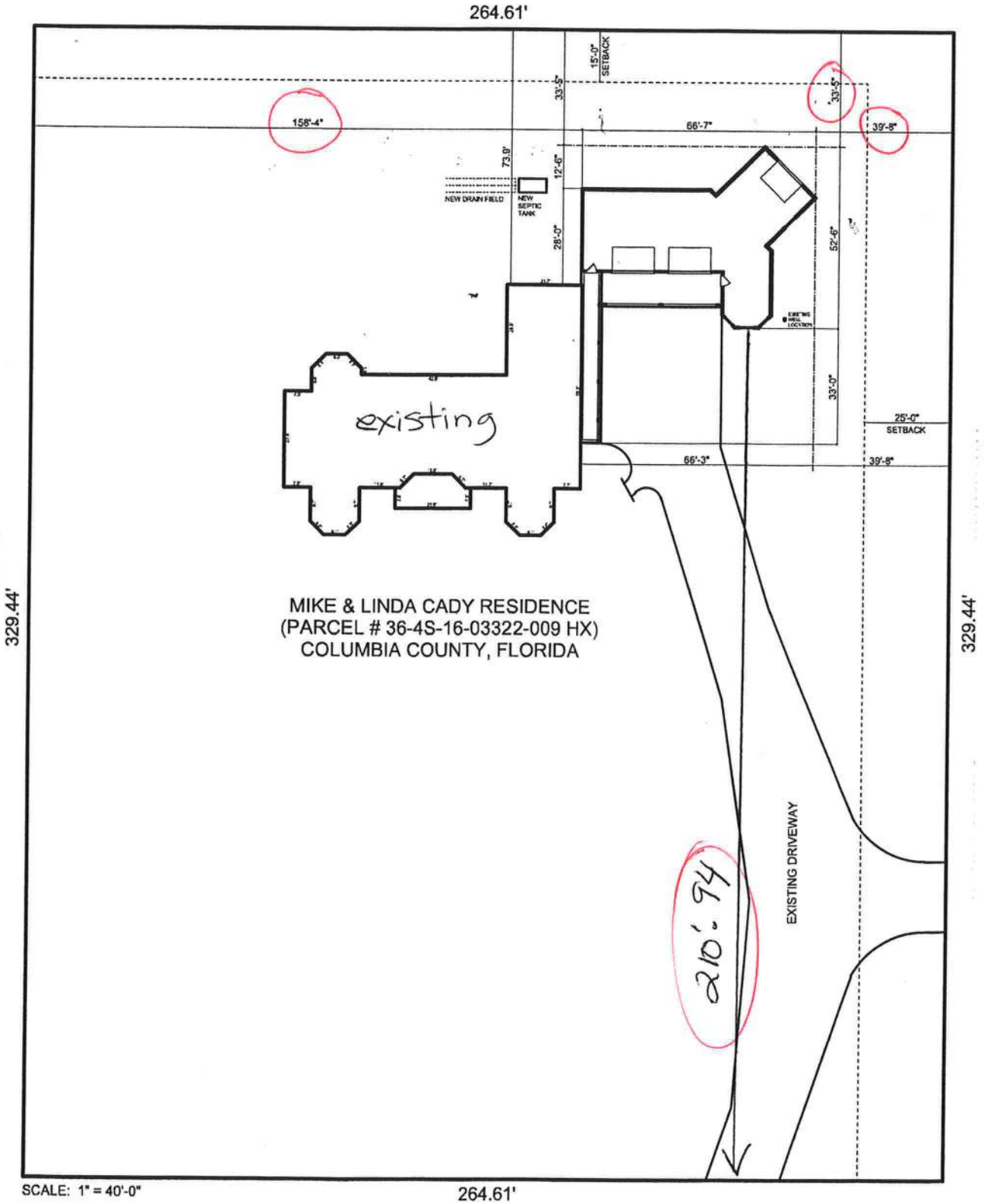
SCHEDULE "A"

PARCEL NO.1
Commence at the Southeast corner of Section 36, Township 4 South, Range 16 East, Columbia County, Florida and run thence N 0°14'34" E along the East line of said Section 36, 37.54 feet, thence S 89°20'07" W,328.56 feet to the POINT OF BEGINNING; thence continue S 89°20'07" W, 329.44 feet, thence N 0°08'06" W, 264.61 feet to the South line of Unit 4 of SOUTHWOOD ACRES, a subdivision according to plat thereof recorded in Plat Book 4, Page 7 of the Public Records of Columbia County, Florida, thence N 89°20'07" E along said South line, 329.44 feet, thence S 0°08'06" E, 264.61 feet to POINT OF BEGINNING. Said lands being subject to an easement for ingress and egress across a portion of the North 45 feet as recorded in Official Records Book 430, Page 671. Also the East 15 feet of said lands being subject to an easement for ingress and egress.

PARCEL NO. 2
Commence at the Southeast corner of Section 36, Township 4 South, Range 16 East, Columbia County, Florida and run thence N 0°14'34"E along the East line of said Section 36, 37.54 feet to the POINT OF BEGINNING, thence continue N 0°14'34"E along said East line, 264.63 feet to the Southeast corner of Lot 9, Unit 4, SOUTHWOOD ACRES, a subdivision according to plat thereof recorded in Plat Book 4, Page 7 of the Public Records of Columbia County, Florida, thence S 89°20'07" W along the South line of said Unit 4, SOUTHWOOD ACRES, 330.31 feet, thence S 0°08'06" E, 264.61 feet, thence N 89°20'07" E, 328.56 feet to the POINT OF BEGINNING. The North 45 feet of said lands being subject to an easement for ingress and egress as recorded in Official Records Book 430, Page 671. Also the West 15 feet of said lands being subject to an easement for ingress and egress.

TOGETHER WITH an easement for ingress and egress described as follows: BEGIN at the southeast corner of Lot 6, Unit 4, SOUTHWOOD ACRES, a subdivision according to plat thereof recorded in Plat Book 4, Page 7 of the Public Records of Columbia County, Florida and run thence S 0°08'06" E, 45 feet, thence N 89°20'07" E, 109.55 feet to the West line of the above described lands, thence N 0°08'06" W along said West line, 45 feet to the Northwest corner of said described lands, thence S 89°20'07" W along the South line of said Unit 4 of SOUTHWOOD ACRES, 109.55 feet to the POINT OF BEGINNING.

PARCEL NO. 3
BEGIN at the Southeast corner of Section 36, Township 4 South, Range 16 East, Columbia County, Florida and run thence N 0°14'34" E along the East line of said Section 36, 37.54 feet, thence S 89°20'07" W, 220.15 feet, thence S 0°08'06" E 396.34 feet, thence N 88°51'13" E, 221.14 feet to the East line of Section 1, Township 5 South, Range 16 East, thence N 0°19'47" W along said East line, 356.93 feet to the POINT OF BEGINNING. Said lands being a part of the SE¼ of SE¼ of Section 36, and the NE¼ of NE¼ of Section 1.

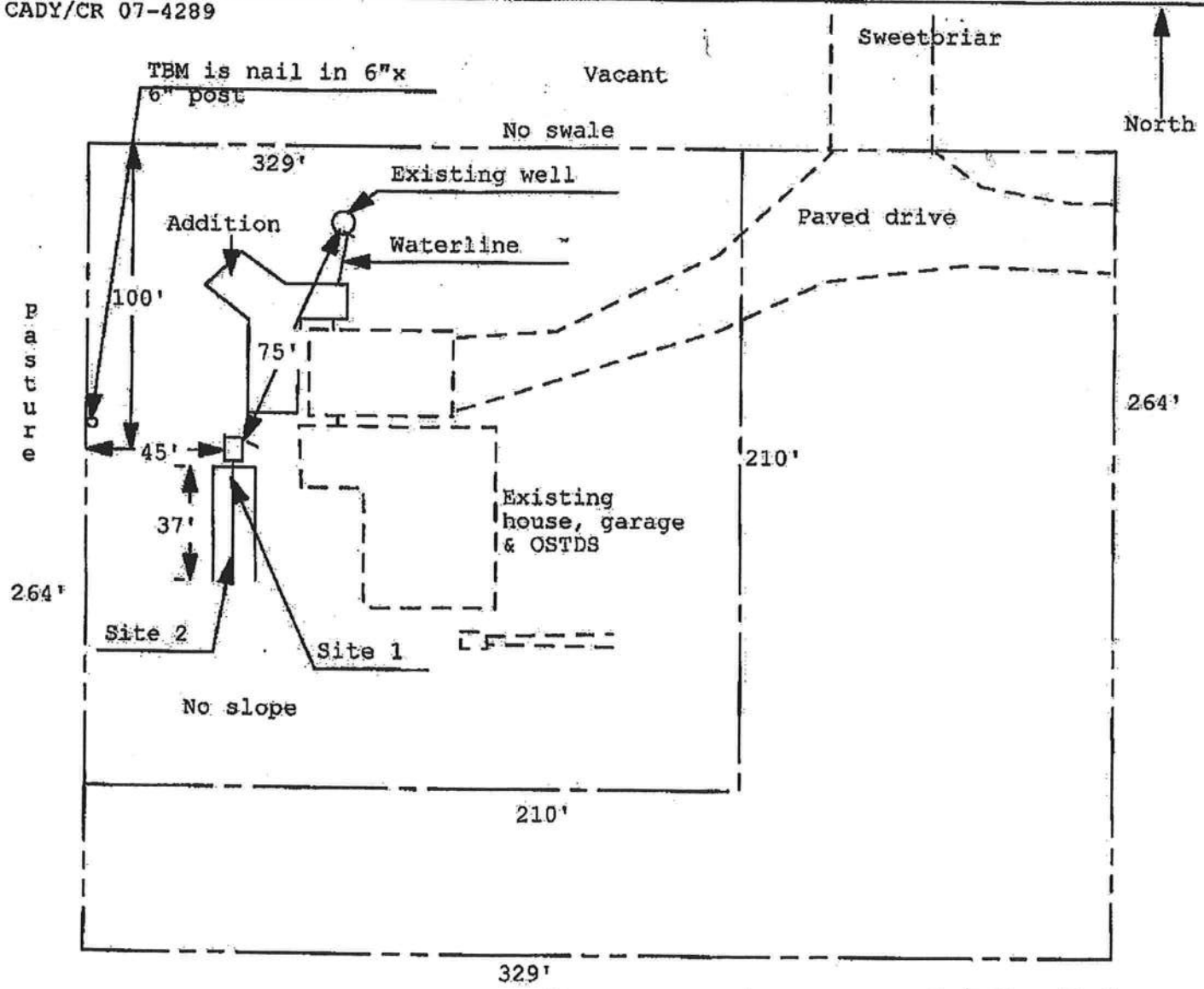

264.61'
15'-0" SETBACK
33'-5"
158'-4"
66'-7"
39'-8"
73.9'
12'-6"
NEW DRAIN FIELD
NEW SEPTIC TANK
28'-0"
52'-6"
existing
33'-0"
25'-0" SETBACK
66'-3"
39'-8"
329.44'
MIKE & LINDA CADY RESIDENCE
(PARCEL # 36-4S-16-03322-009 HX)
COLUMBIA COUNTY, FLORIDA
329.44'
EXISTING DRIVEWAY
210'-94
SCALE: 1" = 40'-0"
264.61'

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

Permit Application Number: 08-0167

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

CADY/CR 07-4289



1 inch = 50 feet

Site Plan Submitted By Paul Lloyd Date 2/7/08

Plan Approved ✓ Not Approved ____ Date 2-12-08

By Mark Parr Columbia CPHU

Notes: _____

FORM 600A-2004R EnergyGauge® 4.5.2

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Mike & Linda Cady**	Builder:	
Address:		Permitting Office:	Columbia
City, State:	**Lake City, FL 32024-**	Permit Number:	26825
Owner:	**Cady Residence**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 31.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	1	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	1534 ft²	13. Heating systems	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		a. Electric Heat Pump	Cap: 31.0 kBtu/hr
a. U-factor: (or Single or Double DEFAULT)	Description Area 7a. (Dble Default) 178.0 ft²		HSPF: 7.70
b. SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 178.0 ft²	b. N/A	
8. Floor types		c. N/A	
a. Slab-On-Grade Edge Insulation	R=5.0, 84.0(p) ft	14. Hot water systems	
b. Raised Wood, Adjacent	R=30.0, 1142.0ft²	a. Electric Resistance	Cap: 50.0 gallons
c. N/A			EF: 0.90
9. Wall types		b. N/A	
a. Frame, Wood, Exterior	R=19.0, 546.0 ft²	c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)	
b. Frame, Wood, Adjacent	R=13.0, 290.0 ft²	15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT,
c. Frame, Wood, Exterior	R=19.0, 744.0 ft²		
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic	R=30.0, 1350.0 ft²		
b. Under Attic	R=30.0, 392.0 ft²		
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 35.0 ft		
b. N/A			

Glass/Floor Area: 0.12	Total as-built points: 15965 Total base points: 17371	PASS

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

PREPARED BY: _____

DATE: 1-22-08

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

OWNER/AGENT: _____

DATE: 2-5-08

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: **, 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	1534.0	18.59	5133.0	1.Double, Clear	NE	1.5	11.0	15.0	29.56	0.99	437.0	
				2.Double, Clear	E	1.5	11.0	20.0	42.06	0.99	828.0	
				3.Double, Clear	SE	1.5	11.0	15.0	42.75	0.99	632.0	
				4.Double, Clear	S	8.5	10.0	20.0	35.87	0.54	388.0	
				5.Double, Clear	E	1.5	6.0	48.0	42.06	0.91	1842.0	
				6.Double, Clear	S	1.5	6.0	24.0	35.87	0.86	736.0	
				7.Double, Clear	W	1.5	6.0	36.0	38.52	0.91	1266.0	
				As-Built Total:				**178.0**			**6129.0**	
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Adjacent	290.0	0.70	203.0	1. Frame, Wood, Exterior			19.0	546.0	0.90		491.4	
Exterior	1290.0	1.70	2193.0	2. Frame, Wood, Adjacent			13.0	290.0	0.60		174.0	
				3. Frame, Wood, Exterior			19.0	744.0	0.90		669.6	
Base Total:	**1580.0**		**2396.0**	**As-Built Total:**				**1580.0**			**1335.0**	
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points	
Adjacent	36.0	2.40	86.4	1.Adjacent Insulated				18.0	1.60		28.8	
Exterior	0.0	0.00	0.0	2.Adjacent Insulated				18.0	1.60		28.8	
Base Total:	**36.0**		**86.4**	**As-Built Total:**				**36.0**			**57.6**	
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points	
Under Attic	1534.0	1.73	2653.8	1. Under Attic			30.0	1350.0	1.73 X 1.00		2335.5	
				2. Under Attic			30.0	392.0	1.73 X 1.00		678.2	
Base Total:	**1534.0**		**2653.8**	**As-Built Total:**				**1742.0**			**3013.7**	
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Slab	84.0(p)	-37.0	-3108.0	1. Slab-On-Grade Edge Insulation			5.0	84.0(p)	-36.20		-3040.8	
Raised	1142.0	-3.99	-4556.6	2. Raised Wood, Adjacent			30.0	1142.0	0.40		456.8	
Base Total:			**-7664.6**	**As-Built Total:**				**1226.0**			**-2584.0**	
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points	
	1534.0	10.21	15662.1					1534.0	10.21		15662.1	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL, 32024-	PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 18266.8			**Summer As-Built Points:**					**23613.4**
Total Summer Points	X System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
			(sys 1: Central Unit 31000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)					
18266.8	0.3250	5936.7	23613 **23613.4**	1.00 **1.00**	(1.09 x 1.147 x 0.91) **1.138**	0.260 **0.260**	0.950 **0.950**	6635.7 **6635.7**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **, 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	1534.0	20.17	5569.0	1.Double, Clear	NE	1.5	11.0	15.0	23.57	1.00	353.0	
				2.Double, Clear	E	1.5	11.0	20.0	18.79	1.01	379.0	
				3.Double, Clear	SE	1.5	11.0	15.0	14.71	1.02	225.0	
				4.Double, Clear	S	8.5	10.0	20.0	13.30	2.49	661.0	
				5.Double, Clear	E	1.5	6.0	48.0	18.79	1.04	934.0	
				6.Double, Clear	S	1.5	6.0	24.0	13.30	1.12	356.0	
				7.Double, Clear	W	1.5	6.0	36.0	20.73	1.02	763.0	
				As-Built Total:				**178.0**			**3671.0**	
WALL TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM	=	Points	
Adjacent	290.0	3.60	1044.0	1. Frame, Wood, Exterior			19.0	546.0	2.20		1201.2	
Exterior	1290.0	3.70	4773.0	2. Frame, Wood, Adjacent			13.0	290.0	3.30		957.0	
				3. Frame, Wood, Exterior			19.0	744.0	2.20		1636.8	
Base Total:	**1580.0**		**5817.0**	**As-Built Total:**				**1580.0**			**3795.0**	
DOOR TYPES	Area X	BWPM	= Points	Type				Area X	WPM	=	Points	
Adjacent	36.0	11.50	414.0	1.Adjacent Insulated				18.0	8.00		144.0	
Exterior	0.0	0.00	0.0	2.Adjacent Insulated				18.0	8.00		144.0	
Base Total:	**36.0**		**414.0**	**As-Built Total:**				**36.0**			**288.0**	
CEILING TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM X	WCM =	Points	
Under Attic	1534.0	2.05	3144.7	1. Under Attic			30.0	1350.0	2.05 X	1.00	2767.5	
				2. Under Attic			30.0	392.0	2.05 X	1.00	803.6	
Base Total:	**1534.0**		**3144.7**	**As-Built Total:**				**1742.0**			**3571.1**	
FLOOR TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM	=	Points	
Slab	84.0(p)	8.9	747.6	1. Slab-On-Grade Edge Insulation			5.0	84.0(p)	7.60		638.4	
Raised	1142.0	0.96	1096.3	2. Raised Wood, Adjacent			30.0	1142.0	2.20		2512.4	
Base Total:			**1843.9**	**As-Built Total:**				**1226.0**			**3150.8**	
INFILTRATION	Area X	BWPM	= Points					Area X	WPM	=	Points	
	1534.0	-0.59	-905.1					1534.0	-0.59		-905.1	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , **Lake City, FL, 32024-**	PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**15883.6**	**Winter As-Built Points:**					**13570.8**
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 31000 btuh ,EFF(7.7) Ducts:Unc(S),Unc(R),Int(AH),R6.0					
			13570.8	1.000	(1.069 x 1.169 x 0.93)	0.443	0.950	6635.4
15883.6	**0.5540**	**8799.5**	**13570.8**	**1.00**	**1.162**	**0.443**	**0.950**	**6635.4**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **, 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	
1		2635.00	2635.0	50.0	0.90	1	1.00	2693.56	1.00	2693.6	
				As-Built Total:						**2693.6**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
5937	**8799**	**2635**	**17371**	**6636**	**6635**	**2694**	**15965**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **, 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* = 86.5

The higher the score, the more efficient the home.

Cady Residence, , Lake City, FL, 32024-

1.	New construction or existing	New	__
2.	Single family or multi-family	Single family	__
3.	Number of units, if multi-family	1	__
4.	Number of Bedrooms	1	__
5.	Is this a worst case?	No	__
6.	Conditioned floor area (ft²)	1534 ft²	__
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
	a. U-factor: (or Single or Double DEFAULT)	7a. Description Area (Dble Default) 178.0 ft²	__
	b. SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 178.0 ft²	__
8.	Floor types		
	a. Slab-On-Grade Edge Insulation	R=5.0, 84.0(p) ft	__
	b. Raised Wood, Adjacent	R=30.0, 1142.0ft²	__
	c. N/A		__
9.	Wall types		
	a. Frame, Wood, Exterior	R=19.0, 546.0 ft²	__
	b. Frame, Wood, Adjacent	R=13.0, 290.0 ft²	__
	c. Frame, Wood, Exterior	R=19.0, 744.0 ft²	__
	d. N/A		__
	e. N/A		__
10.	Ceiling types		
	a. Under Attic	R=30.0, 1350.0 ft²	__
	b. Under Attic	R=30.0, 392.0 ft²	__
	c. N/A		__
11.	Ducts		
	a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 35.0 ft	__
	b. N/A		__
12.	Cooling systems		
	a. Central Unit	Cap: 31.0 kBtu/hr	__
		SEER: 13.00	__
	b. N/A		__
			__
	c. N/A		__
			__
13.	Heating systems		
	a. Electric Heat Pump	Cap: 31.0 kBtu/hr	__
		HSPF: 7.70	__
	b. N/A		__
			__
	c. N/A		__
			__
14.	Hot water systems		
	a. Electric Resistance	Cap: 50.0 gallons	__
		EF: 0.90	__
	b. N/A		__
			__
	c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		__
15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT,	__

I 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.

(0802-24)

Mike Cady

COLUMBIA COUNTY BUILDING DEPARTMENT
135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Office: 386-758-1008 Fax: 386-758-2160

NOTARIZED DISCLOSURE STATEMENT
FOR OWNER/BUILDER WHEN ACTING AS THEIR OWN CONTRACTOR AND CLAIMING EXEMPTION OF CONTRACTOR LICENSING REQUIREMENTS IN ACCORDANCE WITH FLORIDA STATUTES, ss. 489.103(7).

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed $75,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved for yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F.I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

I understand that if I am not physically doing the work or physically supervising free labor from friends or relatives, that I must hire licensed contractors, i.e. electrician, plumber, mechanical (heating & air conditioning), etc. I further understand that the violation of not physically doing the work, and the use of unlicensed contractors at the construction site, will cause the project to be shut down by the inspection staff of the Columbia County Building Department. Additionally, state statutes allows for additional penalties. I also understand that if this violation does occur, that in order for the job to proceed, I will have a licensed contractor come in and obtain a new permit as taking the job over. I understand that if I hire subcontractors under a contract price, that they must be licensed to work in Columbia County, i.e. masonry, drywall, carpentry. Contractors licensed by the Columbia County Contractor Licensing Section or the State of Florida are required to have worker's compensation and liability coverage.

TYPE OF CONSTRUCTION

(X) Single Family Dwelling
( ) Other _____
( ) Two-Family Residence
( ) Farm Outbuilding
( ) Addition, Alteration, Modification or other Improvement

I Michael Cady, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes ss.489.103(7) allowing this exception for the construction permitted by Columbia County Building Permit Number _____

X Michael Cady 2-22-08
Owner Builder Signature Date

FLORIDA NOTARY
The above signer is personally known to me or produced identification _____
Notary Signature Linda Roder Date 2-22-08

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

FOR BUILDING DEPARTMENT USE ONLY
I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7). Date_____ Building Official/Representative_____

0802-24

Mike Cady

FROM :COLUMBIA CO BUILDING + ZONING FAX NO. :386-758-2160 Nov. 30 2007 10:23AM P1

COLUMBIA COUNTY BUILDING DEPARTMENT
135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Office: 386-758-1008 Fax: 386-758-2160

NOTARIZED DISCLOSURE STATEMENT
FOR OWNER/BUILDER WHEN ACTING AS THER OWN CONTRACTOR AND CLAIMING EXEMPTION OF CONTRACTOR LICENSING REQUIREMENTS IN ACCORDANCE WITH FLORIDA STATUTES, ss. 489.103(7).

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed $75,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved for yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F.I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

I understand that if I am not physically doing the work or physically supervising free labor from friends or relatives, that I must hire licensed contractors, i.e. electrician, plumber, mechanical (heating & air conditioning), etc. I further understand that the violation of not physically doing the work, and the use of unlicensed contractors at the construction site, will cause the project to be shut down by the inspection staff of the Columbia County Building Department. Additionally, state statutes allows for additional penalties. I also understand that if this violation does occur, that in order for the job to proceed, I will have a licensed contractor come in and obtain a new permit as taking the job over. I understand that if I hire subcontractors under a contract price, that they must be licensed to work in Columbia County, i.e. masonry, drywall, carpentry. Contractors licensed by the Columbia County Contractor Licensing Section or the State of Florida are required to have worker's compensation and liability coverage.

TYPE OF CONSTRUCTION

(X) Single Family Dwelling ( ) Two-Family Residence ( ) Farm Outbuilding
( ) Other _____ ( ) Addition, Alteration, Modification or other Improvement

I Michael Cady, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes ss.489.103(7) allowing this exception for the construction permitted by Columbia County Building Permit Number _____

X Michael Cady 2-22-08
Owner Builder Signature Date

FLORIDA NOTARY
The above signer is personally known to me or produced identification _____
Notary Signature Linda Roder Date 2-22-08

NOTARY PUBLIC STATE OF FLORIDA
Linda R. Roder
Commission #DD303275
Expires: Mar 24, 2008
Bonded Thru
Atlantic Bonding Co., Inc.

FOR BUILDING DEPARTMENT USE ONLY
I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7). Date _____ Building Official/Representative _____

NICHOLAS
PAUL
GEISLER
ARCHITECT
N.C.A.R.B. Certified

1758 NW Brown Road
Lake City, FL 32055
386/755-9021

17 APRIL 2008

JOHNNY KEARSE, BUILDING OFFICIAL
COLUMBIA COUNTY, BUILDING DEPT.
COLUMBIA COUNTY COURTHOUSE ANNEX
LAKE CITY, FLORIDA 32055

RE: CADY GARAGE ADDITION
PERMIT Nr.: 26825

DEAR SIR:

PLEASE BE ADVISED OF THE FOLLOWING CORRECTION TO THE CONSTRUCTION DOCUMENTS FOR THE ABOVE REFERENCED PROJECT:

1. THE DETAIL AND/OR NOTES THAT REFER TO 3 #5 REBAR AT THE BOTTOM OF THE PROPOSED FOOTINGS SHOULD READ 2 #5 REBAR.

2. PLEASE NOTE THAT IT IS THE OWNER'S DESIRE TO INSTALL A THIRD #5 REBAR AT THE TOP OF THE FOOTING. THIS SHALL BE ACCOMPLISHED BY PLACING THE THIRD REBAR AT THE TIME OF THE POUR. THE EXACT LOCATION IS NOT IMPORTANT AS TO THE STRUCTURAL CONSIDERATIONS FOR THE PROJECT.

3. HAVING INSPECTED THE PREPARED FOOTINGS AT THE JOB SITE, I HAVE DIRECTED THE CONTRACTOR TO SHIFT THE PAD FOOTING AT THE COVERED WALK THAT IS NEAREST TO THE NEW GARAGE AS NEEDED TO THE RIGHT AS WHEN FACING THE GARAGE, SO AS TO CLEAR THE CONDUIT BUNDLE THAT WOULD OTHERWISE BE ENCASED WITHIN THE FOOTING. THIS FOOTING IS PRIMERILEY INTENDED AS A DEAD LOAD FOR THE ROOF UPLIFT LOADS OF THE COVERED WALK AND AS SUCH WILL PROVIDE SATISFACTORY UPLIFT PERFORMANCE WHILE SHIFTED AS NOTED ABOVE.

SHOULD YOU HAVE ANY FURTHER QUESTIONS WITH THIS, PLEASE CALL FOR ASSISTANCE.

YOURS TRULY,
NICHOLAS PAUL GEISLER, ARCHITECT AR0007005

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.

#26825

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 [redacted]
Company Business License No. JB[redacted] Company Phone No. [redacted]
FHA/VA Case No. (if any)

Section 2: Builder Information

Company Name: Mike Cady Company Phone No. 755-6237

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 300 SW Sweetbriar Ln. Lake City, FL 32024

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

Section 4: Treatment Information

Date(s) of Treatment(s) 4/14/08
Brand Name of Product(s) Used Termidor
EPA Registration No.
Approximate Final Mix Solution % .06%
Approximate Size of Treatment Area: Sq. ft. 1534 Linear ft. — Linear ft. of Masonry Voids —
Approximate Total Gallons of Solution Applied 150 gals.
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) S. Gregory Certification No. (if required by State law) JP[redacted]

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 Shannon Gregory Date 4/14/08

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, 3[illegible]2)