DATE 06/11/2008

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000027076

APPLICANT LINDA RODER PHONE 752-2281

ADDRESS 387 SW KEMP CT LAKE CITY FL 32024

OWNER ADAM PAPKA PHONE 623-2383

ADDRESS 404 SW AINSLEY GLEN LAKE CITY FL 32024

CONTRACTOR ADAM PAPKA PHONE 623-2383

LOCATION OF PROPERTY 47S, TL ON WALTER AVE, TL ON LITTLE RD, TR ON MEADOWS,TR ON AINSLEY GLEN, TO THE END OF CUL-DE-SAC, ON LEFT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 221050.00

HEATED FLOOR AREA 3058.00 TOTAL AREA 4421.00 HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 8/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT

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

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

PARCEL ID 01-5S-16-03405-210 SUBDIVISION SOUTHWOOD MEADOWS

LOT 10 BLOCK PHASE UNIT TOTAL ACRES

000001608		CBC1253409		
Culvert Permit No.	Culvert Waiver	Contractor's License Number		Applicant/Owner/Contractor
CULVERT	08-065	BK	JH	Y
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE

SEC. 2.3.1 LEGAL LOT OF RECORD

Check # or Cash 1502

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 $ 1110.00 CERTIFICATION FEE $ 22.11 SURCHARGE FEE $ 22.11

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

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ 25.00 **TOTAL FEE** 1254.22

INSPECTORS OFFICE _____ CLERKS OFFICE _____

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

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

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.

Columbia County Building Permit Application

CK # 1502

For Office Use Only Application # 0801-60 Date Received 1-14-08 By LH Permit # 16081 27076

Zoning Official B2K Date 1.01.08 Flood Zone X FEMA Map # N/A Zoning A-3

Land Use A-3 Elevation N/A MFE 1ft above Rd River N/A Plans Examiner OK HH Date 1-22-08

Comments Section 2.3.1 Legal Lt of Record

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

□ Dev Permit # well letter □ In Floodway □ Letter of Authorization from Contractor

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

Fax 752-2282

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

Address 387 SW Kemp Ct Lake City FL 32024

Owners Name Adam Papka & Leah Papka Phone 623-2383

911 Address 404 SW Ainsley Gln Lake City FL 32024

Contractors Name Adam Papka of Adams Framing for construction Phone 623-2383

Address POB 1921 Lake City FL 32056

Fee Simple Owner Name & Address NA

Bonding Co. Name & Address NA

Architect/Engineer Name & Address Mark Disosway

Mortgage Lenders Name & Address CCB

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

Property ID Number 01-5S-16-03405-210 Estimated Cost of Construction 225 K

Subdivision Name Southwood Meadows Lot 10 Block A Unit ___ Phase ___

Driving Directions 475, L on SW Little Road Ron Meadows Terrace, R on Ainsley GLN to end of cul-de-sac. Lot is left lot of culdesac Lon Walter Ave

Number of Existing Dwellings on Property 0

Construction of Single family dwelling Total Acreage 1.23 Lot Size 1.23 ac

Do you need a (Culvert Permit) or Culvert Waiver or Have an Existing Drive Total Building Height 25'-8"

Actual Distance of Structure from Property Lines - Front ~~75'~~ Side ~~25'~~ Side ~~25'~~ Rear ~~67'~~

Number of Stories 2 Heated Floor Area 3058 Total Heated Floor Area 3058 Roof Pitch 8-12

~~5304~~ 4421

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

Columbia County Building Permit Application

Application # _____

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

X _____
Owners Signature

Affirmed under penalty of perjury to by the Owner and subscribed before me this 4 **day of** Jan **20** 08

Personally known ✓ **or Produced Identification** _____

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

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

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

X _____
Contractor's Signature (Permitee)

Contractor's License Number CBC 1253409
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 4 **day of** Jan **20** 08

Personally known ✓ **or Produced Identification** _____

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

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

Revised 11-13-07

Notice of Authorization

I Adam Papke, do hereby authorize Linda Roder or Melanie Roder,

to be my representative and act on my behaf in all aspects of applying for any

building permit to be located in Columbia county.

Any homeowner and legal description

Contractor's signature

1-4-07
Date

NOTARY PUBLIC STATE OF FLORIDA

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

Sworn and subscribed before me this 7 day of Jan, 2008

Notary Public

My commision expires: _____
Commision No. _____
Personally known _____
Produced ID (Type): _____

Grantee Title

Warranty Deed

THIS WARRANTY DEED made the 14th day of January A.D., 2008

Ben Martin and his wife, Irene Martin

hereinafter called the grantor, to

Adam R. Papka and his wife, Leah Papka

whose post office address is: P.O. Box 1921, Lake City, FL 32056

hereinafter called the grantee:

Inst:200812000704 Date:1/14/2008 Time:12:04 PM
Doc Stamp-Deed:0.70
DC,P.DeWitt Cason,Columbia County Page 1 of 1

(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 corporation)

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, Florida, viz: 07405-210

Lot 10, Block A, Southwood Meadows, Unit II, a subdivision according to the plat thereof recorded in Plat Book 6, Page 84, of the public records of Columbia County, Florida.

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

TO HAVE AND TO HOLD, the same in fee simple forever.

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

IN WITNESS WHEREOF, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

Witness: Matthew D. Rocco

Witness: Jonathan Rocco

Jonathan Rocco

Ben Martin

Irene Martin

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 14th day of January, 2008 by Ben Martin and his wife, Irene Martin, personally known to me or, if not personally known to me, who produced Driver's License for Identification and who did not take an oath.

Notary Public

(Notary Seal)

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

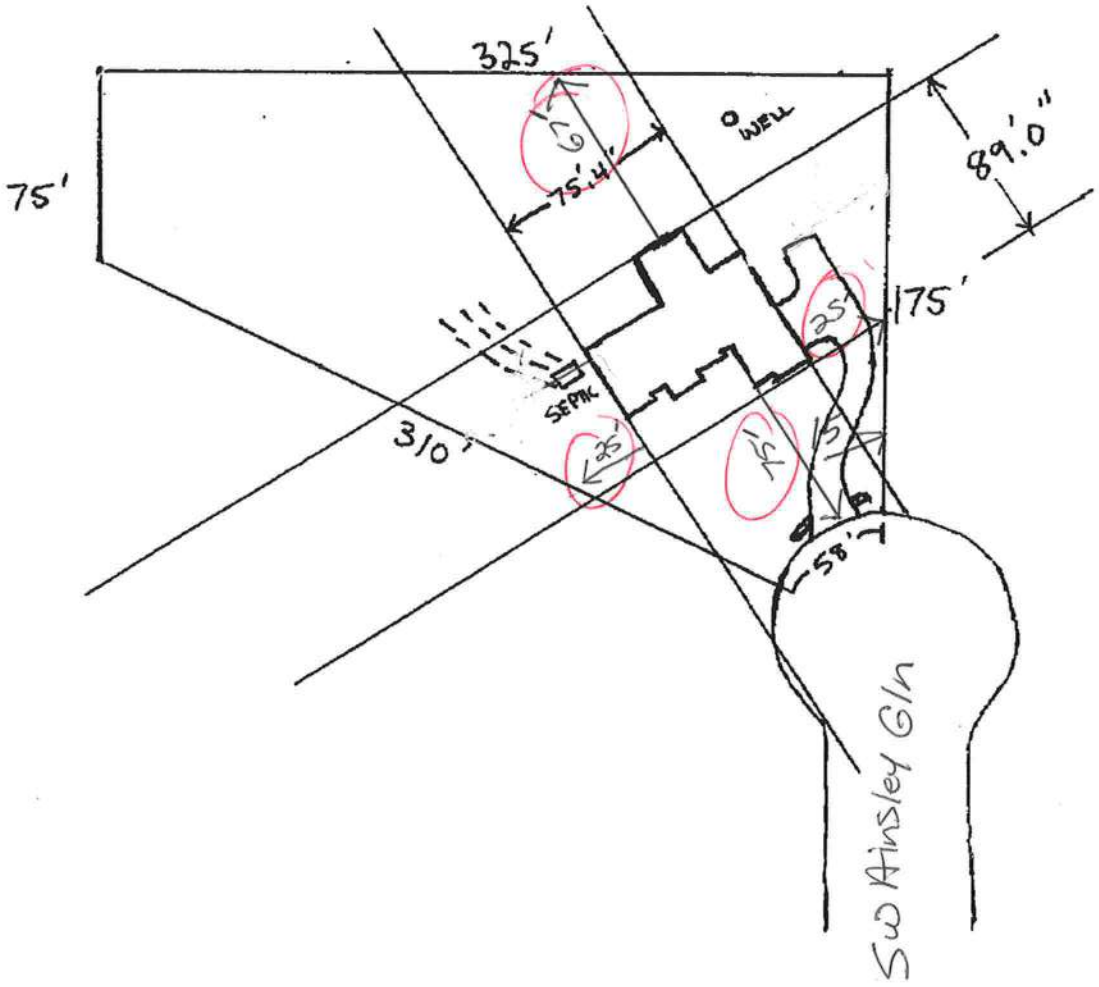
ID# 01-55-16-03405-210

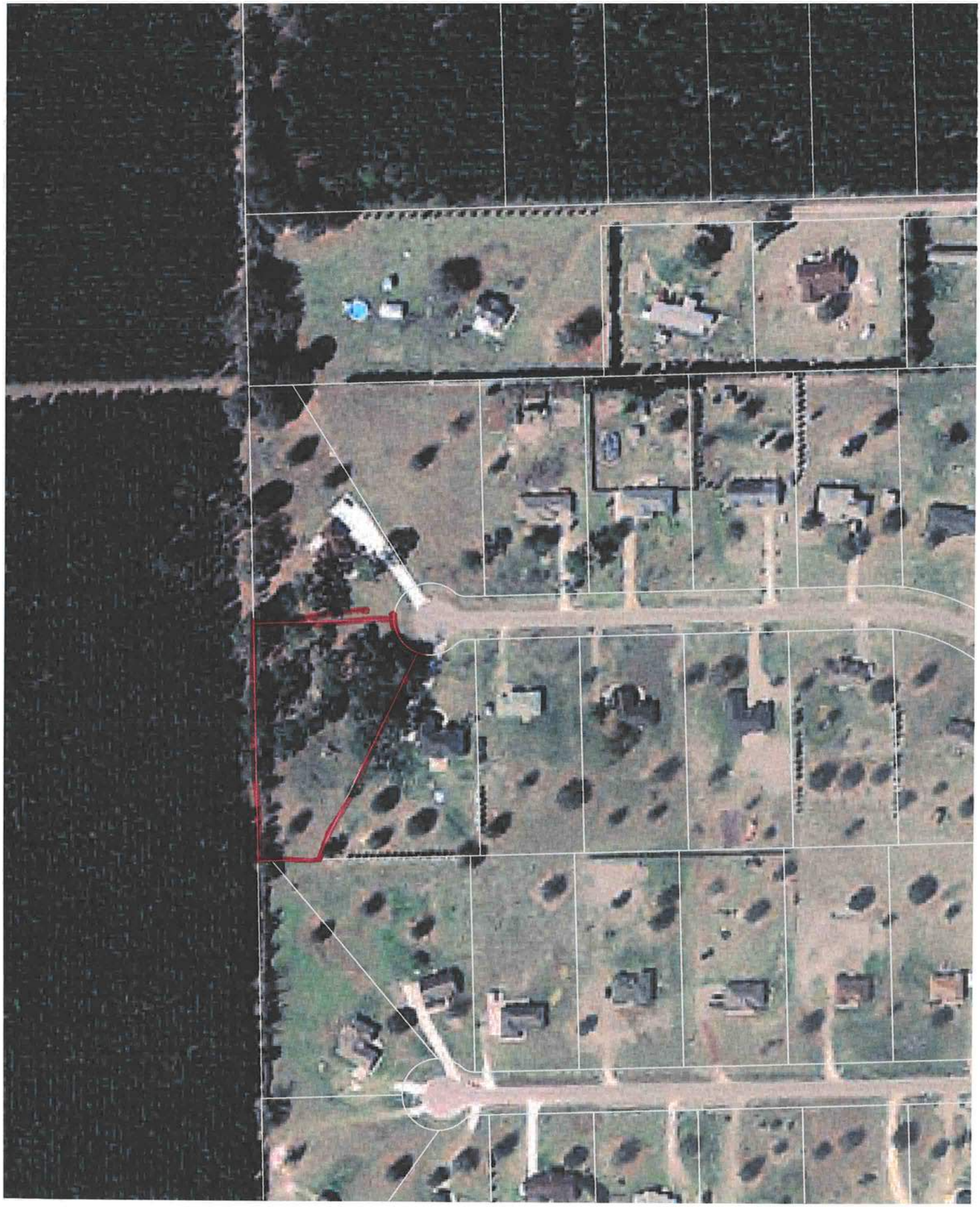
LOT 10 BLOCK A

Southwood Meadows SD

Adam Papka

SITE PLAN





0801-60

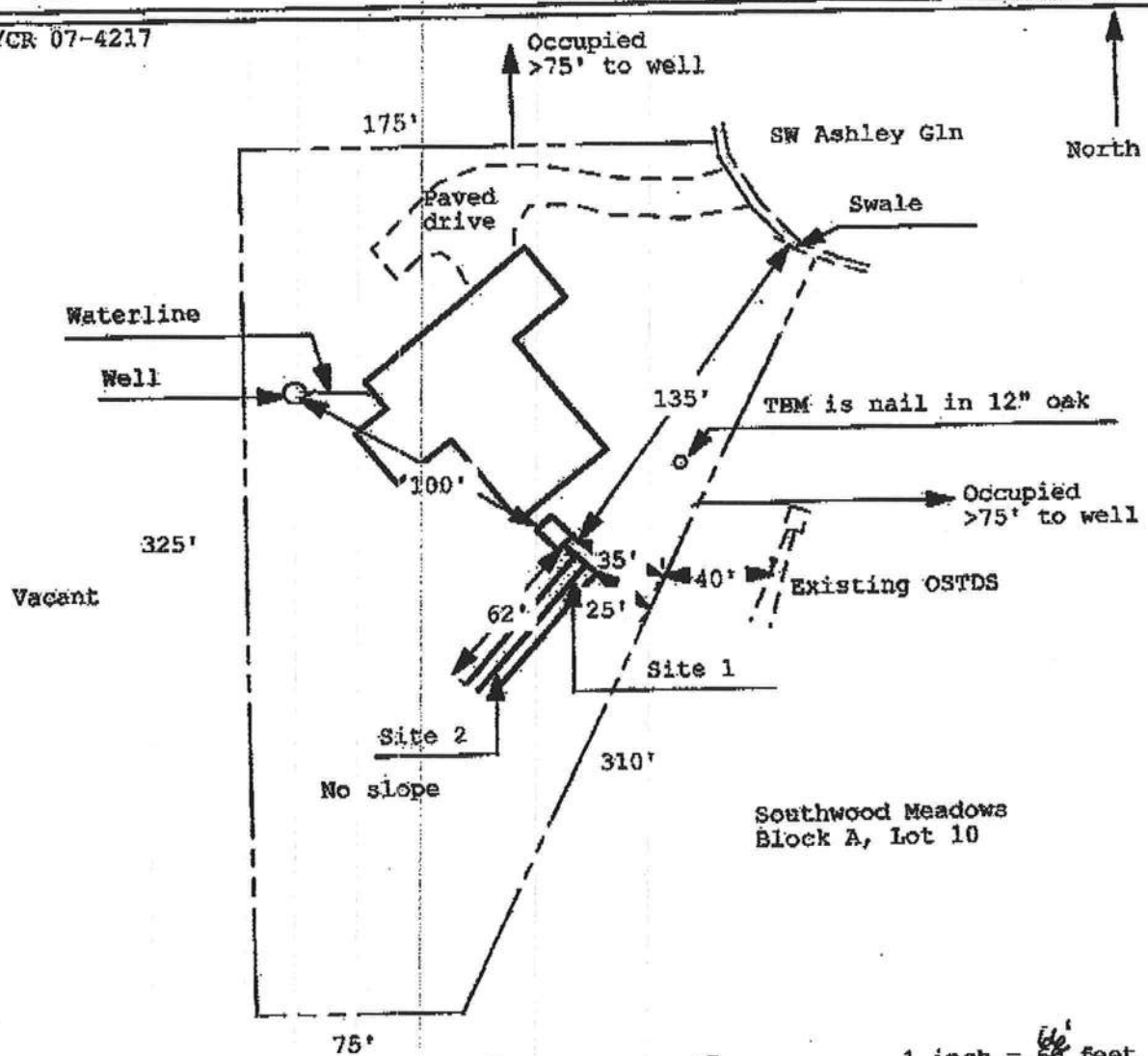
0801-60

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

Permit Application Number: 08-0065

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

PAPKA/CR 07-4217



1 inch = 50 feet

Site Plan Submitted By Paul Lloyd Date 11/18/08

Plan Approved ✓ Not Approved ____ Date 1-15-08

By [signature] Columbia CPHU

Notes: ____

(0801-60)

Inst:200812010944 Date:6/9/2008 Time:3:49 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1152 P:68

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 01-55-16-03405-210

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): Lot 10 Block A Southwood Meadows
   a) Street (job) Address: 404 SW Hinsley Gln Lake City FL 32024
2. General description of improvements: Single family dwelling
3. Owner Information
   a) Name and address: Adam Papka
   b) Name and address of fee simple titleholder (if other than owner) P.O.B. 1921 Lake City FL 32056
   c) Interest in property home site
4. Contractor Information
   a) Name and address: Adams Framing
   b) Telephone No.: 623-2383 Fax No. (Opt.)
5. Surety Information
   a) Name and address: NA
   b) Amount of Bond:
   c) Telephone No.: Fax No. (Opt.)
6. Lender
   a) Name and address: NA
   b) Phone No.
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

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

Signature of Owner or Owner's Authorized Officer/Director/Partner/Manager

Adam Papka
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 9 day of June, 20 08, by:

Adam Papka as (type of authority, e.g. officer, trustee, attorney in fact) for (name of party on behalf of whom instrument was executed).

Personally Known ✓ OR Produced Identification ___ Type ___

Linda Roder

0801-60

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS

DONALD AND MARY HALL
OWNERS

PHONE (386) 752-1854
FAX (386) 755-7022
904 NW MAIN BLVD.
LAKE CITY, FLORIDA 32055

June 10, 2008

Notice To All Contractors:
Re: Adam Papka - 01-5S-16-03405-210

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

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

Thank You,

Donald Hall

FORM 600A-2004 EnergyGauge® 4.1

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**611075Adam'sFramingConstruction**	Builder:	PAPKA
Address:		Permitting Office:	Columbia
City, State:	,	Permit Number:	27076
Owner:	**Papka, Adam Residence**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1.	New construction or existing	New	
2.	Single family or multi-family	Single family	
3.	Number of units, if multi-family	1	
4.	Number of Bedrooms	3	
5.	Is this a worst case?	Yes	
6.	Conditioned floor area (ft²)	3058 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) 595.7 ft²	
b.	SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 595.7 ft²	
8.	Floor types		
a.	Slab-On-Grade Edge Insulation	R=0.0, 254.0(p) ft	
b.	N/A		
c.	N/A		
9.	Wall types		
a.	Frame, Wood, Exterior	R=13.0, 1824.3 ft²	
b.	Frame, Wood, Exterior	R=13.0, 196.0 ft²	
c.	N/A		
d.	N/A		
e.	N/A		
10.	Ceiling types		
a.	Under Attic	R=30.0, 3180.0 ft²	
b.	N/A		
c.	N/A		
11.	Ducts		
a.	Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 220.0 ft	
b.	N/A		

12.	Cooling systems		
a.	Central Unit	Cap: 34.0 kBtu/hr	
		SEER: 13.00	
b.	Central Unit	Cap: 34.0 kBtu/hr	
		SEER: 13.00	
c.	N/A		
13.	Heating systems		
a.	Electric Heat Pump	Cap: 34.0 kBtu/hr	
		HSPF: 7.90	
b.	Electric Heat Pump	Cap: 34.0 kBtu/hr	
		HSPF: 7.90	
c.	N/A		
14.	Hot water systems		
a.	Electric Resistance	Cap: 80.0 gallons	
		EF: 0.93	
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)		

Glass/Floor Area: 0.19

Total as-built points: 38569
Total base points: 40329

PASS

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

PREPARED BY: _____

DATE: 1-14-08

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

OWNER/AGENT: _____

DATE: 1-14-08

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: , , , 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	3058.0	20.04	11030.8	Double, Clear	S	1.5	6.5	54.0	35.87	0.88	1698.2	
				Double, Clear	W	99.0	6.0	20.0	38.52	0.37	288.6	
				Double, Clear	S	16.0	6.0	40.0	35.87	0.43	622.4	
				Double, Clear	E	99.0	5.5	20.0	42.06	0.36	300.2	
				Double, Clear	S	21.0	5.5	10.0	35.87	0.43	154.9	
				Double, Clear	E	10.0	6.5	60.0	42.06	0.43	1080.9	
				Double, Clear	S	1.5	0.0	72.0	35.87	0.43	1115.4	
				Double, Clear	S	1.5	0.0	24.0	35.87	0.43	371.8	
				Double, Clear	W	1.5	6.5	72.0	38.52	0.93	2571.6	
				Double, Clear	S	1.5	6.5	18.0	35.87	0.88	566.1	
				Double, Clear	W	1.5	6.5	36.0	38.52	0.93	1285.8	
				Double, Clear	W	1.5	5.5	8.0	38.52	0.90	276.4	
				Double, Clear	N	1.5	6.0	8.7	19.20	0.94	156.8	
				Double, Clear	N	1.5	0.0	42.0	19.20	0.59	478.3	
				Double, Clear	N	1.5	3.0	4.0	19.20	0.83	63.8	
				Double, Clear	N	1.5	0.0	26.0	19.20	0.59	296.1	
				Double, Clear	E	1.5	4.0	6.0	42.06	0.82	205.8	
				Double, Clear	E	1.5	6.0	25.0	42.06	0.91	959.8	
				Double, Clear	E	1.5	6.5	36.0	42.06	0.93	1403.0	
				Double, Clear	E	1.5	3.0	8.0	42.06	0.73	244.1	
				Double, Clear	N	1.5	0.0	6.0	19.20	0.59	68.3	
				As-Built Total:				**595.7**			**14208.5**	

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0	1824.3	1.50	2736.5
Exterior	2020.3	1.70	3434.5	Frame, Wood, Exterior	13.0	196.0	1.50	294.0
Base Total:	**2020.3**		**3434.5**	**As-Built Total:**		**2020.3**		**3030.5**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	20.0	1.60	32.0	Exterior Insulated	120.0	4.10	492.0
Exterior	180.0	4.10	738.0	Exterior Insulated	60.0	4.10	246.0
				Adjacent Insulated	20.0	1.60	32.0
Base Total:	**200.0**		**770.0**	**As-Built Total:**	**200.0**		**770.0**

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT						
CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X	SCM	=	Points
Under Attic	3058.0	1.73	5290.3	Under Attic	30.0	3180.0	1.73 X	1.00		5501.4
Base Total:	**3058.0**		**5290.3**	**As-Built Total:**		**3180.0**				**5501.4**
FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	=		Points
Slab	254.0(p)	-37.0	-9398.0	Slab-On-Grade Edge Insulation	0.0	254.0(p	-41.20			-10464.8
Raised	0.0	0.00	0.0							
Base Total:			**-9398.0**	**As-Built Total:**		**254.0**				**-10464.8**
INFILTRATION	Area X	BSPM	= Points			Area X	SPM	=		Points
	3058.0	10.21	31222.2			3058.0	10.21			31222.2
Summer Base Points: 42349.8				**Summer As-Built Points:**						**44267.7**
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 34000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)						
				44268	0.50	(1.09 x 1.147 x 0.91)	0.263	1.000		6611.2
				(sys 2: Central Unit 34000 btuh ,SEER/EFF(13.0) Ducts: None						
				44268	0.50	(1.00 x 1.147 x 1.00	0.263	1.000		6611.2
42349.8	**0.4266**		**18066.4**	**44267.7**	**1.00**	**1.138**	**0.263**	**1.000**		**13222.4**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , 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	3058.0	12.74	7012.6	Double, Clear	S	1.5	6.5	54.0	13.30	1.09	785.6	
				Double, Clear	W	99.0	6.0	20.0	20.73	1.24	513.1	
				Double, Clear	S	16.0	6.0	40.0	13.30	3.65	1938.6	
				Double, Clear	E	99.0	5.5	20.0	18.79	1.51	566.3	
				Double, Clear	S	21.0	5.5	10.0	13.30	3.66	486.7	
				Double, Clear	E	10.0	6.5	60.0	18.79	1.40	1574.6	
				Double, Clear	S	1.5	0.0	72.0	13.30	3.66	3504.2	
				Double, Clear	S	1.5	0.0	24.0	13.30	3.66	1168.1	
				Double, Clear	W	1.5	6.5	72.0	20.73	1.02	1521.8	
				Double, Clear	S	1.5	6.5	18.0	13.30	1.09	261.9	
				Double, Clear	W	1.5	6.5	36.0	20.73	1.02	760.9	
				Double, Clear	W	1.5	5.5	8.0	20.73	1.03	170.5	
				Double, Clear	N	1.5	6.0	8.7	24.58	1.00	214.3	
				Double, Clear	N	1.5	0.0	42.0	24.58	1.03	1060.5	
				Double, Clear	N	1.5	3.0	4.0	24.58	1.01	99.2	
				Double, Clear	N	1.5	0.0	26.0	24.58	1.03	656.5	
				Double, Clear	E	1.5	4.0	6.0	18.79	1.07	121.1	
				Double, Clear	E	1.5	6.0	25.0	18.79	1.04	486.5	
				Double, Clear	E	1.5	6.5	36.0	18.79	1.03	697.3	
				Double, Clear	E	1.5	3.0	8.0	18.79	1.12	168.4	
				Double, Clear	N	1.5	0.0	6.0	24.58	1.03	151.5	
				As-Built Total:				**595.7**			**16907.5**	

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0	1824.3	3.40	6202.6
Exterior	2020.3	3.70	7475.1	Frame, Wood, Exterior	13.0	196.0	3.40	666.4
Base Total:	**2020.3**		**7475.1**	**As-Built Total:**		**2020.3**		**6869.0**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	20.0	8.00	160.0	Exterior Insulated	120.0	8.40	1008.0
Exterior	180.0	8.40	1512.0	Exterior Insulated	60.0	8.40	504.0
				Adjacent Insulated	20.0	8.00	160.0
Base Total:	**200.0**		**1672.0**	**As-Built Total:**	**200.0**		**1672.0**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT						
CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	X WCM	=	Points
Under Attic	3058.0	2.05	6268.9	Under Attic	30.0	3180.0	2.05	X 1.00		6519.0
Base Total:	**3058.0**		**6268.9**	**As-Built Total:**		**3180.0**				**6519.0**
FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM		=	Points
Slab	254.0(p)	8.9	2260.6	Slab-On-Grade Edge Insulation	0.0	254.0(p	18.80			4775.2
Raised	0.0	0.00	0.0							
Base Total:			**2260.6**	**As-Built Total:**		**254.0**				**4775.2**
INFILTRATION	Area X	BWPM	= Points			Area X	WPM		=	Points
	3058.0	-0.59	-1804.2			3058.0	-0.59			-1804.2
Winter Base Points:			**22885.0**	**Winter As-Built Points:**						**34938.5**
Total Winter Points	X System Multiplier	= Heating Points		Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points	
				(sys 1: Electric Heat Pump 34000 btuh ,EFF(7.9) Ducts:Unc(S),Unc(R),Int(AH),R6.0						
				34938.5	0.500	(1.069 x 1.169 x 0.93)	0.432	1.000		8763.5
				(sys 2: Electric Heat Pump 34000 btuh ,EFF(7.9) Ducts: None						
				34938.5	0.500(1.00 x 1.169 x 1.00)		0.432	1.000		8763.5
22885.0	**0.6274**	**14358.0**		**34938.5**	**1.00**	**1.162**	**0.432**	**1.000**		**17527.0**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT						
WATER HEATING										
Number of Bedrooms	X Multiplier	= Total		Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total
3	2635.00	7905.0		80.0	0.93	3	1.00	2606.67	1.00	7820.0
				As-Built Total:						**7820.0**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
18066	**14358**	**7905**	**40329**	**13222**	**17527**	**7820**	**38569**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 83.8

The higher the score, the more efficient the home.

Papka, Adam Residence, , , ,

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	3			
5.	Is this a worst case?	Yes			
6.	Conditioned floor area (ft²)	3058 ft²			
7.	Glass type [1] and area: (Label reqd. by 13-104.4.5 if not default)				
a.	U-factor:	Description	Area		
	(or Single or Double DEFAULT) 7a.	(Dble Default)	595.7 ft²		
b.	SHGC:				
	(or Clear or Tint DEFAULT) 7b.	(Clear)	595.7 ft²		
8.	Floor types				
a.	Slab-On-Grade Edge Insulation	R=0.0, 254.0(p) ft			
b.	N/A				
c.	N/A				
9.	Wall types				
a.	Frame, Wood, Exterior	R=13.0, 1824.3 ft²			
b.	Frame, Wood, Exterior	R=13.0, 196.0 ft²			
c.	N/A				
d.	N/A				
e.	N/A				
10.	Ceiling types				
a.	Under Attic	R=30.0, 3180.0 ft²			
b.	N/A				
c.	N/A				
11.	Ducts				
a.	Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 220.0 ft			
b.	N/A				
12.	Cooling systems				
a.	Central Unit			Cap: 34.0 kBtu/hr	
				SEER: 13.00	
b.	Central Unit			Cap: 34.0 kBtu/hr	
				SEER: 13.00	
c.	N/A				
13.	Heating systems				
a.	Electric Heat Pump			Cap: 34.0 kBtu/hr	
				HSPF: 7.90	
b.	Electric Heat Pump			Cap: 34.0 kBtu/hr	
				HSPF: 7.90	
c.	N/A				
14.	Hot water systems				
a.	Electric Resistance			Cap: 80.0 gallons	
				EF: 0.93	
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)				

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.

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001608

DATE 06/11/2008 PARCEL ID # 01-5S-16-03405-210

APPLICANT LINDA RODER PHONE 752-2281

ADDRESS 387 SW KEMP CT LAKE CITY FL 32024

OWNER ADAM PAPKA PHONE 623-2383

ADDRESS 404 SW AINSLEY GLEN LAKE CITY FL 32024

CONTRACTOR ADAM PAPKA PHONE 623-2383

LOCATION OF PROPERTY 47S, TL ON WALTER AVE, TL ON LITTLE RD, TR ON MEADOWS,TR ON AINSLEY GLEN, TO THE END OF CUL-DE-SAC, ON LEFT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT SOUTHWOOD MEADOWS 10

SIGNATURE

INSTALLATION REQUIREMENTS

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

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

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

[ ] Department of Transportation Permit installation approved standards.

[ ] Other

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

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

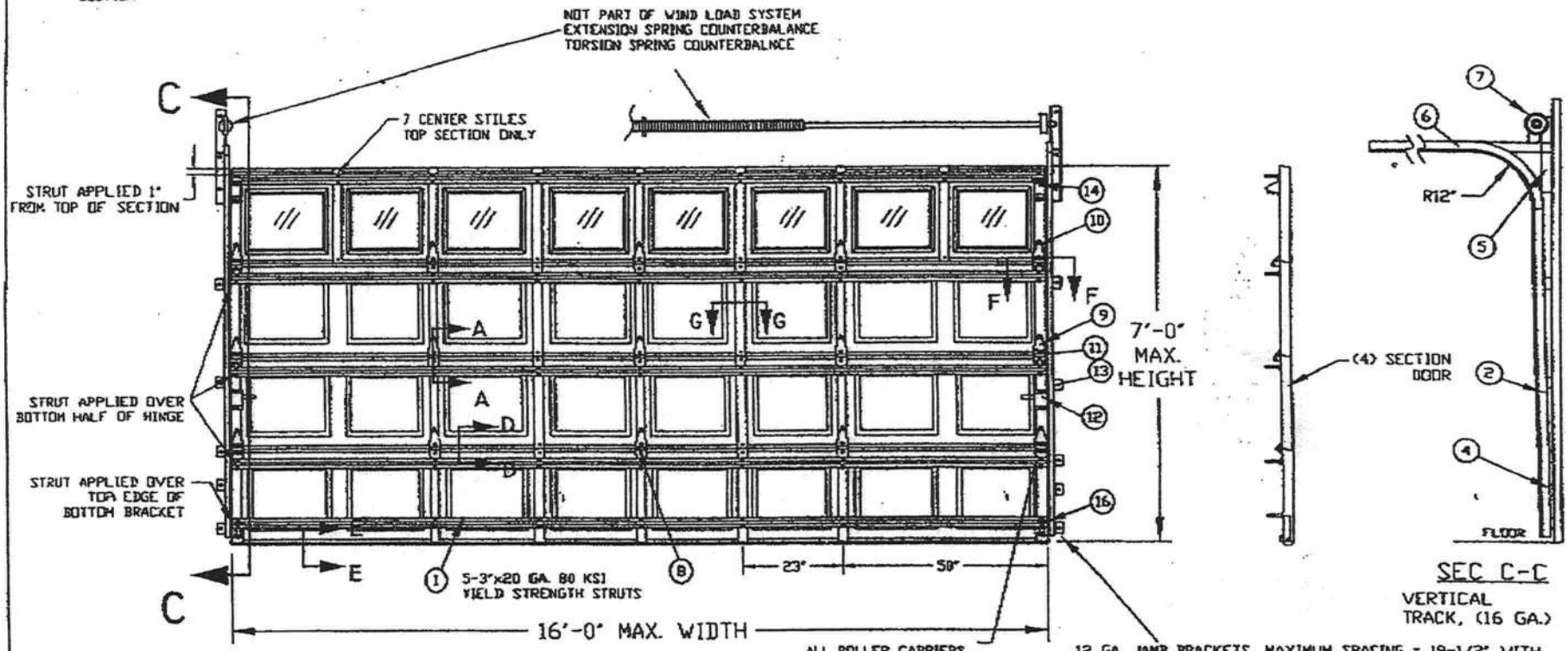
Amount Paid 25.00

COLUMBIA COUNTY GATEWAY TO FLORIDA

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.

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL PE No. 024280 STAGNER R. TEEVAN

LISTED SBCCI PST & ESI
REPORT No. 2202

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

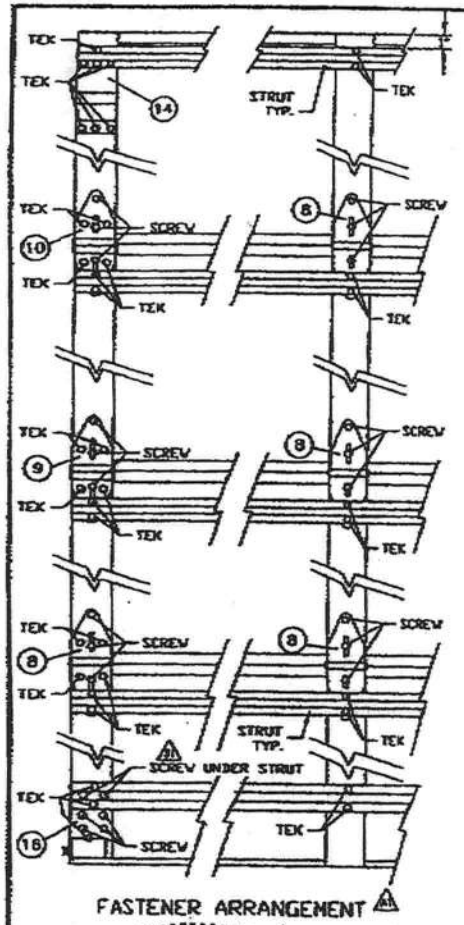
DESIGN LOAD +20.0 PSF & -20.0 PSF
TEST LOAD +30.0 PSF & -30.0 PSF

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.

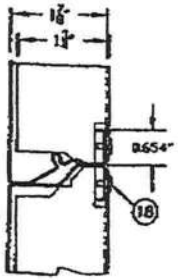
GADCO
GENERAL AMERICAN DOOR COMPANY
5050 BASELINE ROAD
MONTGOMERY, IL 60538

SCALE: 1/3 | 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

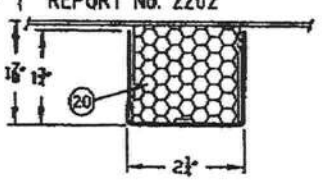


FASTENER ARRANGEMENT

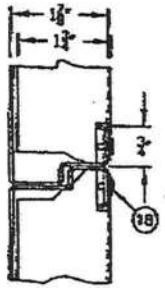
LISTED
SBCCI PST & ESI
REPORT No. 2202



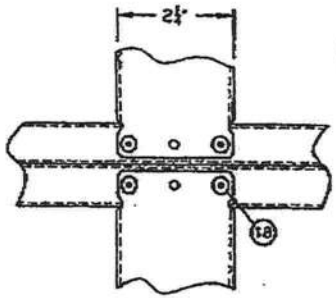
SEC D-D
PAN ATTACHMENT TO STILE (OPTIONAL)



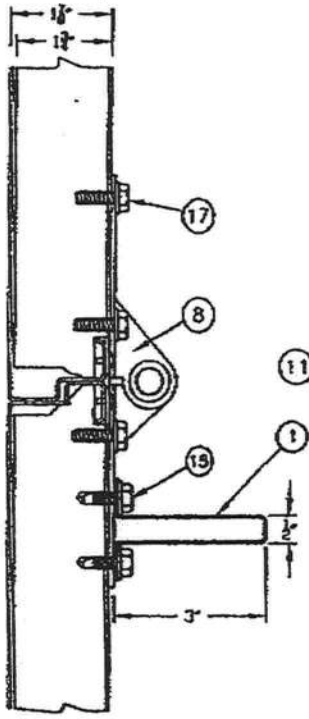
SEC G-G
CENTER STILE
20 GA. GALVANIZED



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

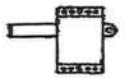


PAN ATTACHMENT TO STILE

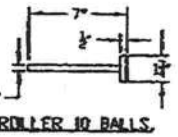


SEC A-A

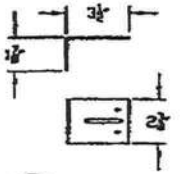
TRACK
16 GA. COSS MIN.)



(12) SIDE LOCK



(11) ROLLER 10 BALLS

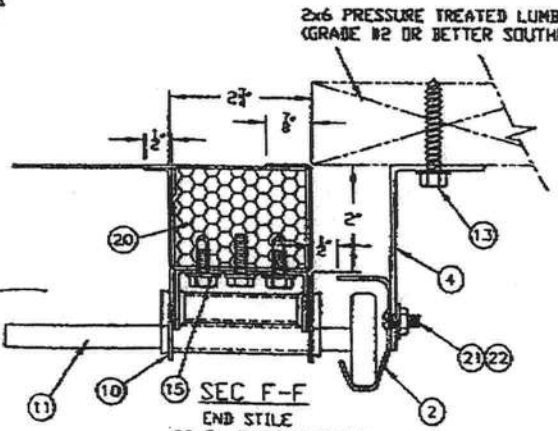


(4) #6 JAMB BRACKET

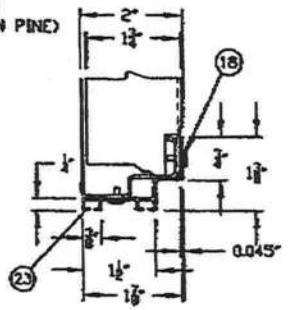
(1) 5-3"x20 GA. 80 KSI YIELD STRENGTH FEMMED STRUT APPLIED WITH 2 TEK SCREWS PER HINGE OR STILE LOCATION (14 PER STRUT, MINIMUM)

(17) 1/4-20 x 3/4 HEX WASHERHEAD SCREW

(15) 1/4-20 x 3/4 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 836
B	12-1-00	DW	SEE ECN 836

ITEM	PART NO.	DESCRIPTION
23	3485	BOTTOM RAIL 6063 T6 ALUM EXT.
22	1391	1/4"-20 X 3/8" RIBBED NECK SCREW
21	4044	1/4"-20 SERRATED FLANGE NUT
20		1.0 DENSITY ROLLER BLOCK EPS
19		
18	4389	POP RIVET, 5/32" STEEL
17	4229	HEX WASHERHEAD SCREW 1/4"-20 X 3/4"
16	1399LHR	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	4718	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

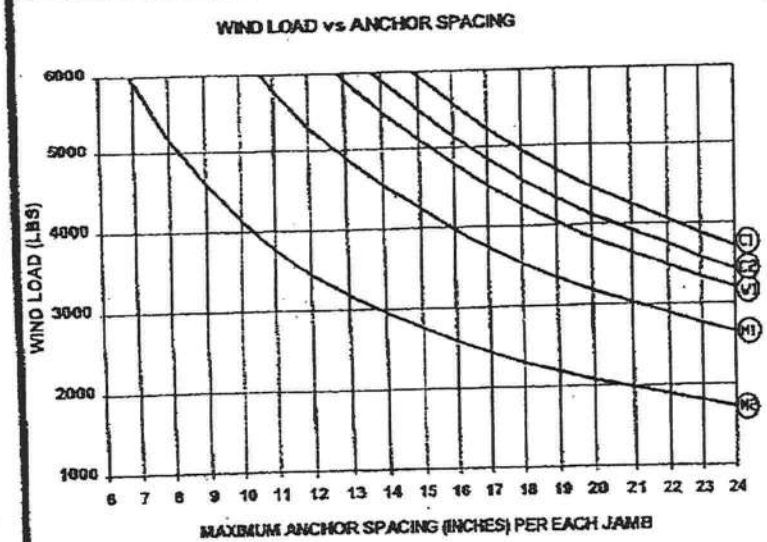
SCALE: NONE | APPROVED BY: | DRAWN BY: D. VIEDMAN
DATE: 11-7-00 | REVISED: (B) 12-1-00

DESCRIPTION: 16' X 7' MAX. RAISED PANEL STEEL DOOR-WINDLOAD ±20 PSF

PAGE 2 OF 2 | DRAWING NUMBER: W13220-2

NORTH CAROLINA PROFESSIONAL SEAL PE No. 024280 ENGINEER

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.



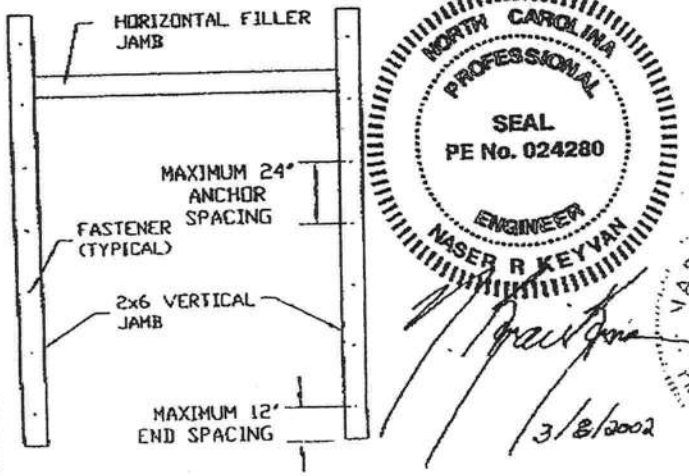
DESIGN LOAD $\frac{(LBS)}{FT^2}$ X GARAGE DOOR AREA(WIDTH-FT X HEIGHT-FT) = WIND LOAD(LBS)

EXAMPLE

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

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

SEE NOTE 11 FOR ADDITIONAL REQUIRED 2X6 WOOD JAMB ANCHORS



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

FLORIDA DEPARTMENT OF Community Affairs

Community Affairs

Product Approval
USER: Public User

FL #	FL5108
Application Type	New
Code Version	2004
Application Status	Approved
Comments	
Archived	

Product Manufacturer	MI Windows and Doors
Address/Phone/Email	650 W Market St Gratz, PA 17030 (717) 365-3300 ext 2101 surich@miwd.com
Authorized Signature	Steven Urich surich@miwd.com
Technical Representative	
Address/Phone/Email	
Quality Assurance Representative	
Address/Phone/Email	

U) windows

A·L·I
(Validator / Operations Administrator)

AAMA

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	185/3185 SH (Fin) (AL)(O/X)(OG) (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:

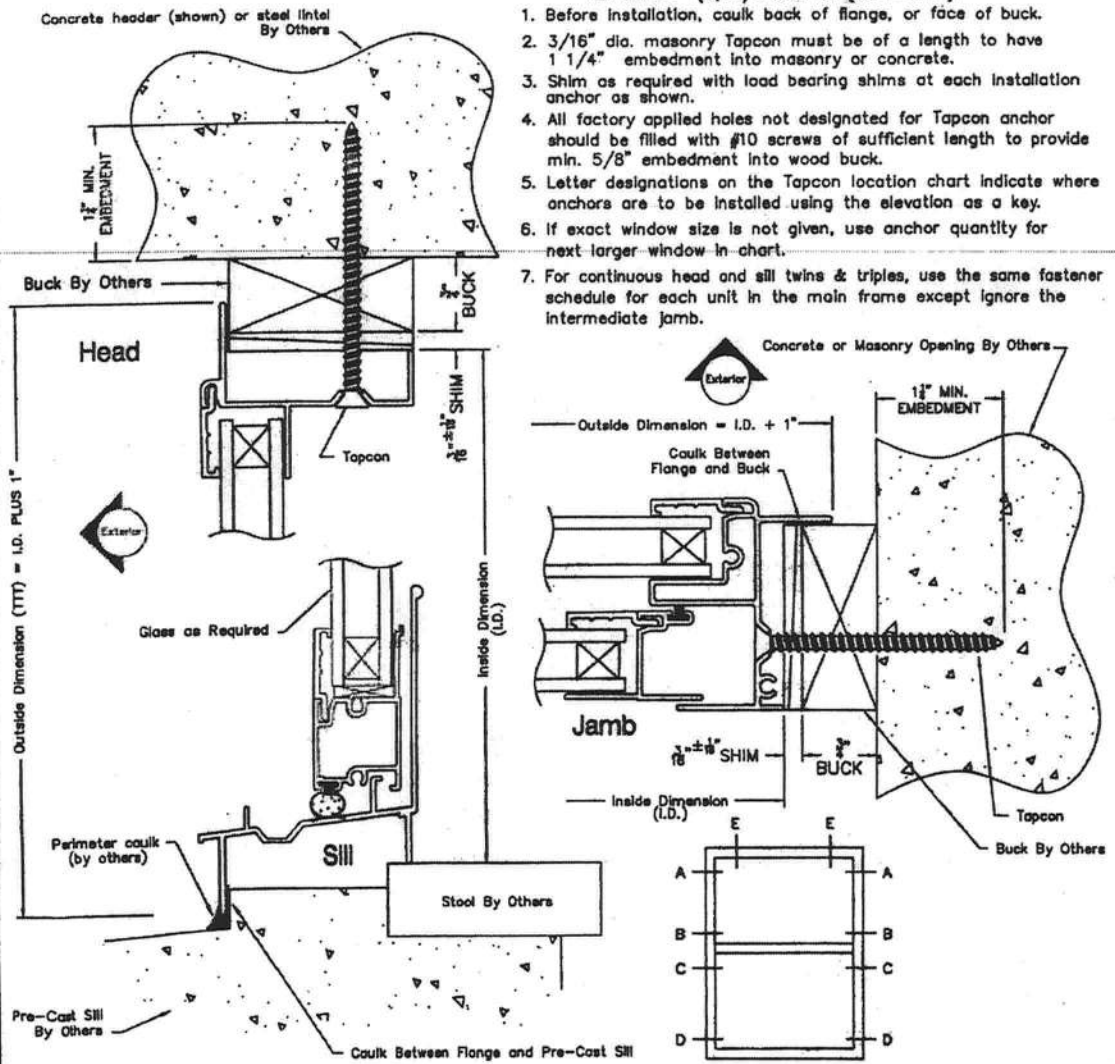
Associated Laboratories, Inc.

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.

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

SYM	REVISION	DATE	BY
A	REMOVED SILL INSTALLATION ANCHOR SCREWS	7/15/04	BB

"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.

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

MI HOME PRODUCTS
GRATZ, PA

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

PREPARED BY: Product Technology Corporation
1150 Lake Howell Circle, Suite 6
Winter Park, Florida 32789
Phone 407.622.6334 Fax 407.622.6336

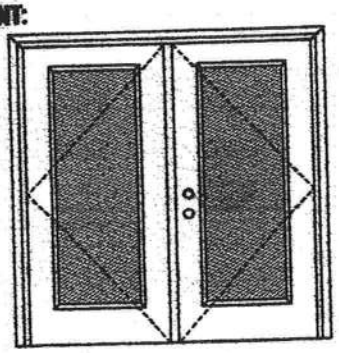
DRWN:	DRL
DATE:	06/15/04
SCALE:	N.T.S.
DWG. NO:	MIHP0059
REV. LETTER:	A
SHEET:	1 OF 1

XX
Glazed Outswing Unit

COP-WL-JH4162-02

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:

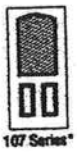

105 Series*


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

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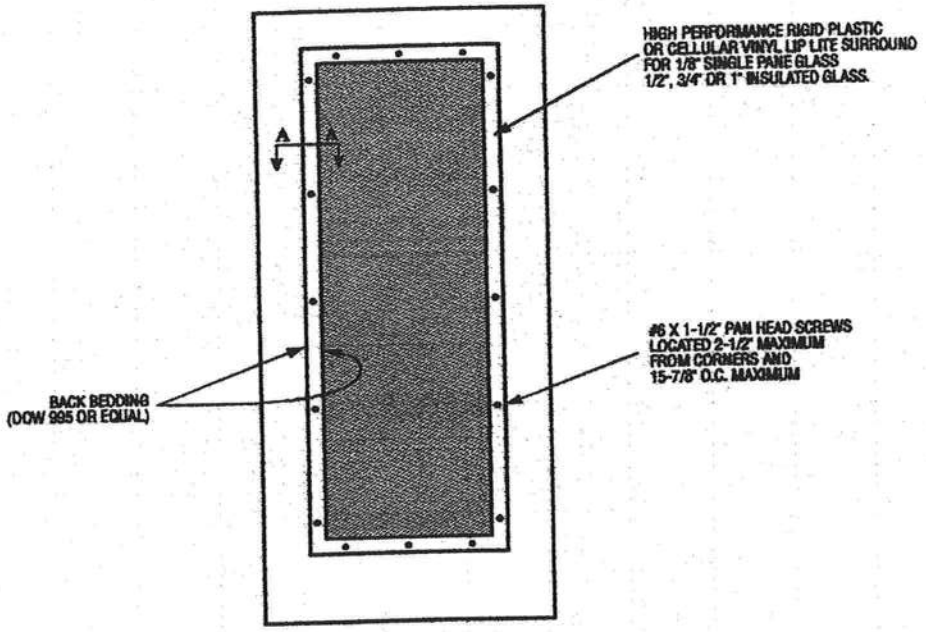
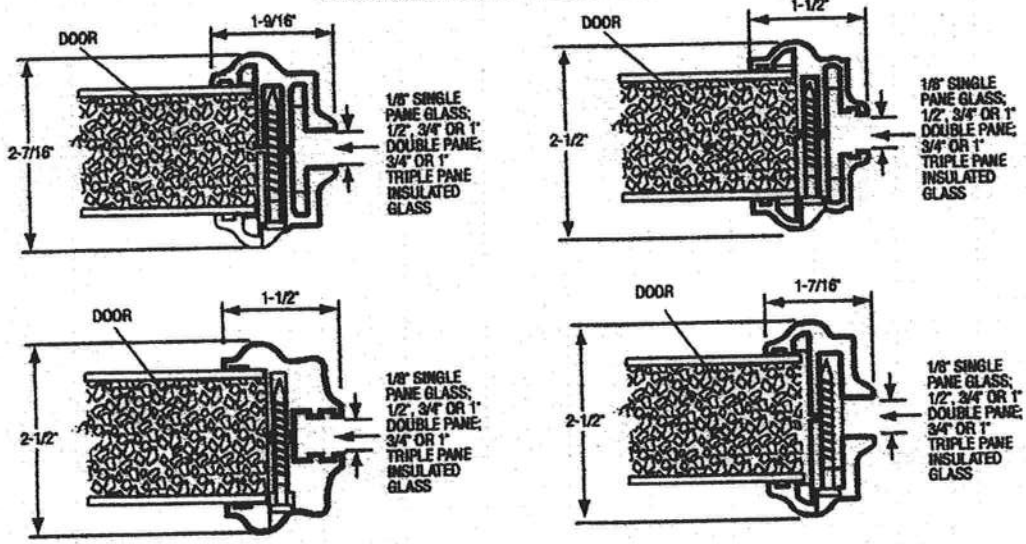
Masonite International Corporation

GLASS INSERT IN DOOR OR SIDELITE PANEL



SECTION A-A
TYPICAL RIGID PLASTIC LIP LITE SURROUND



March 29, 2002

XX
Glazed Outswing Unit

COP-WL-JH4162-02

WOOD-EDGE STEEL DOORS

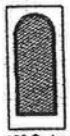
APPROVED DOOR STYLES:
3/4 GLASS:

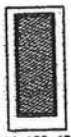

404 Series

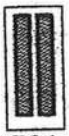

410 Series

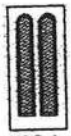

450 Series

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 Balthazor

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

2

Johnson EntrySystems

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PREMDOR Collection Premium Quality Doors

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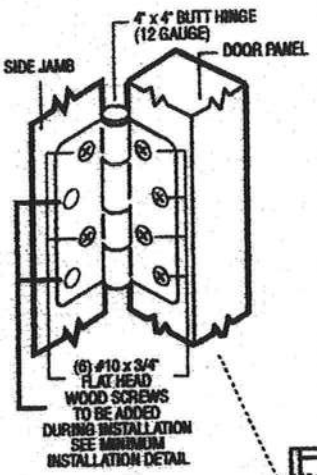
Masonite International Corporation

XX
Unit

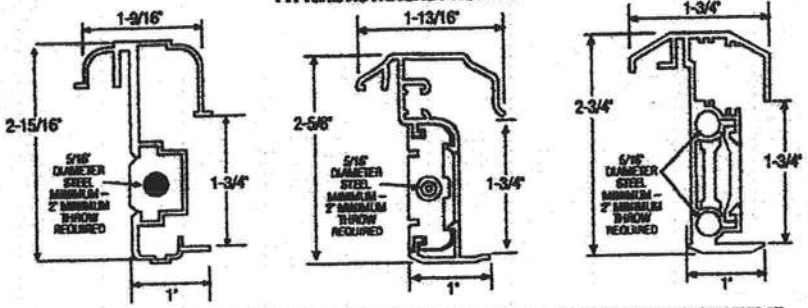
MAD-WL-MA0012-02

OUTSWING UNITS WITH DOUBLE DOOR

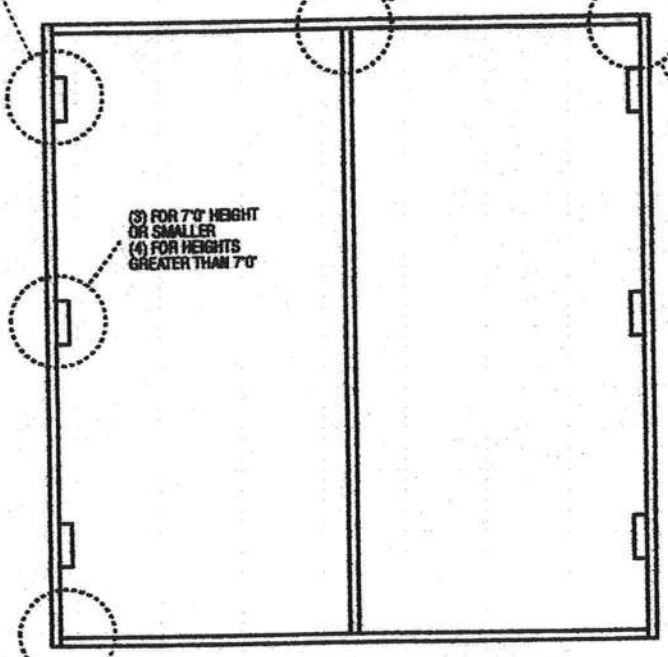
TYPICAL HINGE ATTACHMENT



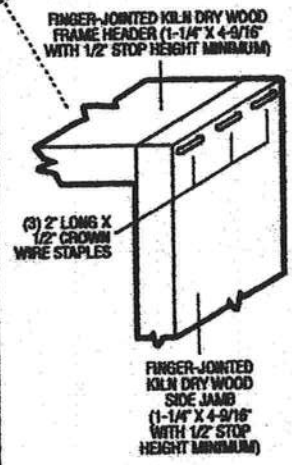
TYPICAL ASTRAGAL PROFILES



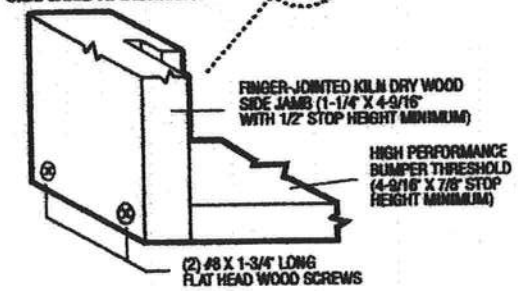
ALUMINUM EXTRUDED ASTRAGAL (0.05" MINIMUM WALL THICKNESS) WITH ADDED REINFORCEMENT INSERTS AT TOP EXTENSION BOLT, BOTTOM EXTENSION BOLT AND CYLINDERICAL/DEADBOLT LATCHING LOCATIONS. ATTACH WITH #8 X 1" PAN HEAD SCREWS – LOCATE 1" FROM EACH END MINIMUM AND 22" O.C. MAXIMUM.



TYPICAL HEADER & SIDE JAMB ATTACHMENT



TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT



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Masonite International Corporation

March 29, 2002
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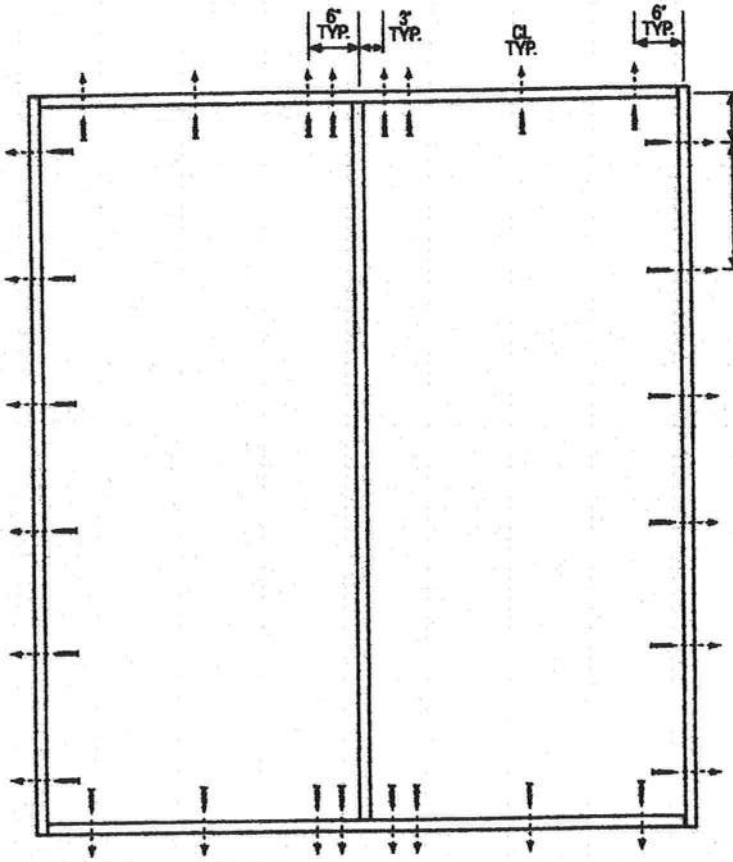
XX
Unit

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.

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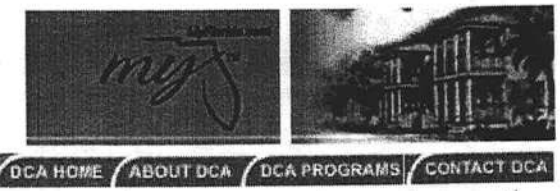
Masonite International Corporation

FLORIDA DEPARTMENT OF Community Affairs



Community Affairs

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

Product Approval
USER: Public User

FL #	FL1956-R1
Application Type	Revision
Code Version	2004
Application Status	Approved
Comments	
Archived	

Product Manufacturer	TAMKO Building Products, Inc.
Address/Phone/Email	PO Box 1404 Joplin, MO 64802 (800) 641-4691 ext 2394 fred_oconnor@tamko.com
Authorized Signature	Frederick O'Connor fred_oconnor@tamko.com
Technical Representative	Frederick J. O'Connor
Address/Phone/Email	PO Box 1404 Joplin, MO 64802 (800) 641-4691 fred_oconnor@tamko.com

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

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

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

Summary of Products

FL #	Model, Number or Name	Description

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

Back Next

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

Product Approval Accepts:

4

Underwriters Laboratories Inc.®

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

June 17, 2005

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

Our Reference: R2919

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

Let me know if you have any further questions.

Very truly yours,

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

Reviewed by,

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

TAMKO BUILDING PRODUCTS

Application Instructions for

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

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

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

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

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

1. ROOF DECK

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

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

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

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

TAMKO does not recommend re-roofing over existing roof.

2. VENTILATION

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

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

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

IT IS PARTICULARLY IMPORTANT TO PROVIDE ADEQUATE VENTILATION.

3. FASTENERS

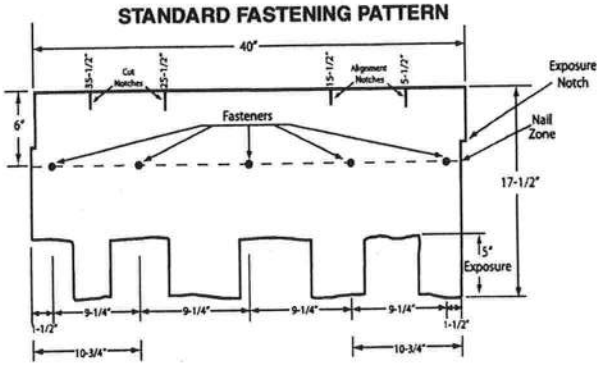
WIND CAUTION: Extreme wind velocities can damage these shingles after application when proper sealing of the shingles does not occur. This can especially be a problem if the shingles are applied in cooler months or in areas on the roof that do not receive direct sunlight. These conditions may impede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

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

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

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

STANDARD FASTENING PATTERN



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

(Continued)

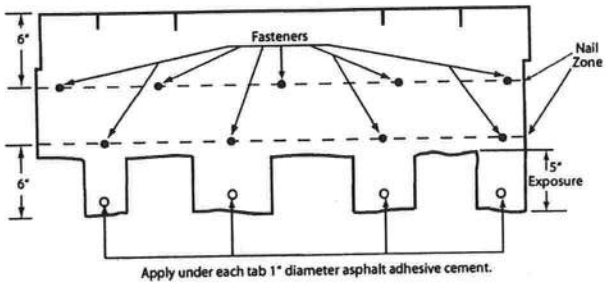
TAMKO® BUILDING PRODUCTS

(CONTINUED from Pg. 1)

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

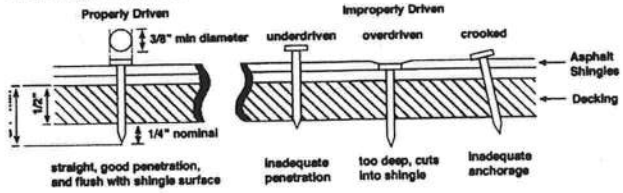
Each shingle tab must be sealed underneath with quick setting asphalt adhesive cement immediately upon installation. Spots of cement must be equivalent in size to a $.25 piece and applied to shingles with a 5 in. exposure, use 9 fasteners per shingle.

MANSARD FASTENING PATTERN



Apply under each tab 1" diameter asphalt adhesive cement.

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



4. UNDERLAYMENT

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

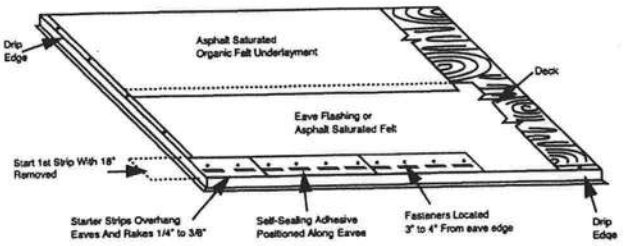
Products which are acceptable for use as underlayment are:

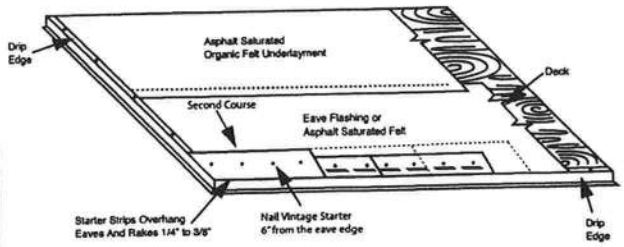
- TAMKO No. 15 Asphalt Saturated Organic Felt
- A non-perforated asphalt saturated organic felt which meets ASTM: D226, Type I or ASTM D4869, Type I
- Any TAMKO non-perforated asphalt saturated organic felt
- TAMKO TW Metal and Tile Underlayment, TW Underlayment and Moisture Guard Plus® (additional ventilation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

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

5. APPLICATION INSTRUCTIONS

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





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

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

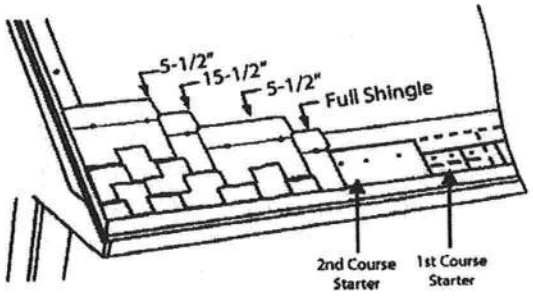
(Continued)

(CONTINUED from Pg. 2)

TAMKO BUILDING PRODUCTS

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

SHINGLE APPLICATION: Start the first course at the left rake edge with a full size shingle and overhang the rake edge 1/4 in. to 3/8 in.. To begin the second course, align the right side of the shingle with the 5-1/2 in. alignment notch on the first course shingle making sure to align the exposure notch. (See shingle illustration on next page) Cut the appropriate amount from the rake edge so the overhang is 1/4" to 3/8". For the third course, align the shingle with the 15-1/2 in. alignment notch at the top of the second course shingle, again being sure to align the exposure notch. Cut the appropriate amount from the rake edge. To begin the fourth course, align the shingle with the 5-1/2 in. alignment notch from the third course shingle while aligning the exposure notch. Cut the appropriate amount from the rake edge. Continue up the rake in as many rows as necessary using the same formula as outlined above. Cut pieces may be used to complete courses at the right side. As you work across the roof, install full size shingles taking care to align the exposure notches. Shingle joints should be no closer than 4 in.



6. LOW SLOPE APPLICATION

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

7. VALLEY APPLICATION

TAMKO recommends an open valley construction with Heritage Vintage AR shingles.

To begin, center a sheet of TAMKO Moisture Guard Plus, TW Underlayment or TW Metal & Tile Underlayment in the valley.

After the underlayment has been secured, install the recommended corrosion resistant metal (26 gauge galvanized metal or an equivalent) in the valley. Secure the valley metal to the roof deck. Overlaps should be 12" and cemented.

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

SHINGLE APPLICATION INSTRUCTIONS (OPEN VALLEY)

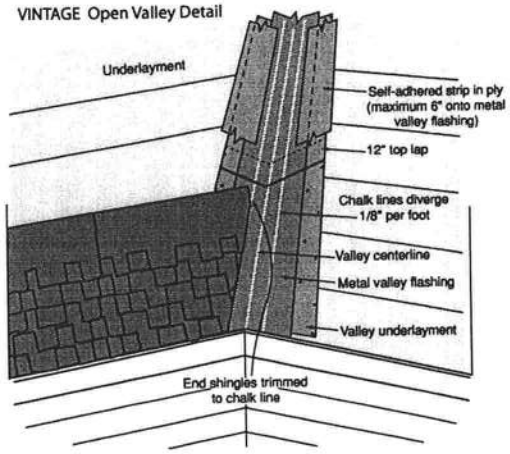
- Snap two chalk lines, one on each side of the valley centerline over the full length of the valley flashing. Locate the upper ends of the chalk lines 3" to either side of the valley centerline.
- The lower end should diverge from each other by 1/8" per foot. Thus, for an 8' long valley, the chalk lines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

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

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

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

VINTAGE Open Valley Detail



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

Excessive use of adhesive will cause blistering to this product.

TAMKO assumes no responsibility for blistering.

(Continued)

(CONTINUED from Pg. 3)

TAMKO BUILDING PRODUCTS

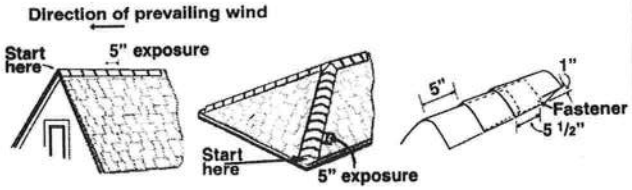
• HERITAGE® VINTAGE™ AR – Phillipsburg, KS
LAMINATED ASPHALT SHINGLES

8. HIP AND RIDGE FASTENING DETAIL

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

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

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



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

Residential System Sizing Calculation

Summary

Papka, Adam Residence

Project Title:
611075Adam'sFramingConstruction

Class 3 Rating
Registration No. 0
Climate: North

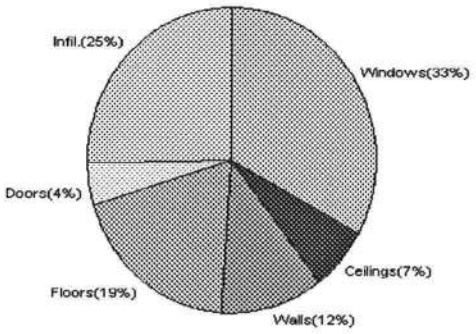
1/14/2008

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	**57606**	**Btuh**	**Total cooling load calculation**	**54208**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	118.0	68000	Sensible (SHR = 0.75)	110.1	51000
Heat Pump + Auxiliary(0.0kW)	118.0	68000	Latent	215.0	17000
			Total (Electric Heat Pump)	125.4	68000

WINTER CALCULATIONS

Winter Heating Load (for 3058 sqft)

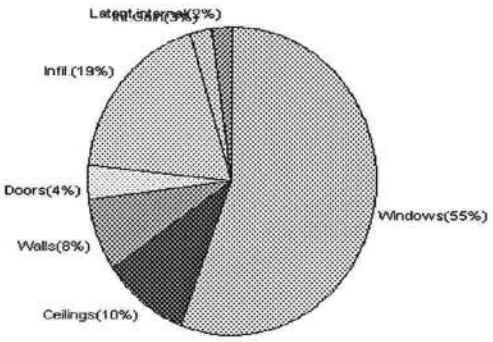
Load component			Load	
Window total	596	sqft	19176	Btuh
Wall total	2020	sqft	6635	Btuh
Door total	200	sqft	2590	Btuh
Ceiling total	3180	sqft	3747	Btuh
Floor total	254	sqft	11090	Btuh
Infiltration	355	cfm	14369	Btuh
Duct loss			0	Btuh
Subtotal			**57606**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**57606**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 3058 sqft)

Load component			Load	
Window total	596	sqft	30067	Btuh
Wall total	2020	sqft	4214	Btuh
Door total	200	sqft	1960	Btuh
Ceiling total	3180	sqft	5266	Btuh
Floor total			0	Btuh
Infiltration	183	cfm	3415	Btuh
Internal gain			1380	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**46302**	**Btuh**
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			6705	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1200	Btuh
Total latent gain			**7905**	**Btuh**
TOTAL HEAT GAIN			**54208**	**Btuh**



For Florida residences only

EnergyGauge® System Sizing
PREPARED BY:
DATE: 1-14-07

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Papka, Adam Residence

Project Title:
611075Adam'sFramingConstruction

Class 3 Rating
Registration No. 0
Climate: North

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

1/14/2008

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

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	54.0	32.2	1738 Btuh
2	2, Clear, Metal, 0.87	NE	20.0	32.2	644 Btuh
3	2, Clear, Metal, 0.87	NW	40.0	32.2	1288 Btuh
4	2, Clear, Metal, 0.87	SW	20.0	32.2	644 Btuh
5	2, Clear, Metal, 0.87	NW	10.0	32.2	322 Btuh
6	2, Clear, Metal, 0.87	SW	60.0	32.2	1931 Btuh
7	2, Clear, Metal, 0.87	NW	72.0	32.2	2318 Btuh
8	2, Clear, Metal, 0.87	NW	24.0	32.2	773 Btuh
9	2, Clear, Metal, 0.87	NE	72.0	32.2	2318 Btuh
10	2, Clear, Metal, 0.87	NW	18.0	32.2	579 Btuh
11	2, Clear, Metal, 0.87	NE	36.0	32.2	1159 Btuh
12	2, Clear, Metal, 0.87	NE	8.0	32.2	258 Btuh
13	2, Clear, Metal, 0.87	SE	8.7	32.2	280 Btuh
14	2, Clear, Metal, 0.87	SE	42.0	32.2	1352 Btuh
15	2, Clear, Metal, 0.87	SE	4.0	32.2	129 Btuh
16	2, Clear, Metal, 0.87	SE	26.0	32.2	837 Btuh
17	2, Clear, Metal, 0.87	SW	6.0	32.2	193 Btuh
18	2, Clear, Metal, 0.87	SW	25.0	32.2	805 Btuh
19	2, Clear, Metal, 0.87	SW	36.0	32.2	1159 Btuh
20	2, Clear, Metal, 0.87	SW	8.0	32.2	258 Btuh
21	2, Clear, Metal, 0.87	SE	6.0	32.2	193 Btuh
	Window Total		596(sqft)		19176 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1824	3.3	5991 Btuh
2	Frame - Wood - Ext(0.09)	13.0	196	3.3	644 Btuh
	Wall Total		2020		6635 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		60	12.9	777 Btuh
3	Insulated - Exterior		120	12.9	1554 Btuh
	Door Total		200		2590Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	3180	1.2	3747 Btuh
	Ceiling Total		3180		3747Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	254.0 ft(p)	43.7	11090 Btuh
	Floor Total		254		11090 Btuh
			Zone Envelope Subtotal:		43237 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.58	36696	354.7	14369 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Papka, Adam Residence

Project Title:
611075Adam'sFramingConstruction

Class 3 Rating
Registration No. 0
Climate: North

1/14/2008

Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)	0 Btuh
Zone #1	**Sensible Zone Subtotal**	**57606 Btuh**

WHOLE HOUSE TOTALS

	Subtotal Sensible	57606 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	57606 Btuh

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

For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Papka, Adam Residence | Project Title: 611075Adam'sFramingConstruction | Class 3 Rating | Registration No. 0 | Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F | 1/14/2008

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

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	54.0	32.2	1738 Btuh
2	2, Clear, Metal, 0.87	NE	20.0	32.2	644 Btuh
3	2, Clear, Metal, 0.87	NW	40.0	32.2	1288 Btuh
4	2, Clear, Metal, 0.87	SW	20.0	32.2	644 Btuh
5	2, Clear, Metal, 0.87	NW	10.0	32.2	322 Btuh
6	2, Clear, Metal, 0.87	SW	60.0	32.2	1931 Btuh
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14	2, Clear, Metal, 0.87	SE	42.0	32.2	1352 Btuh
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16	2, Clear, Metal, 0.87	SE	26.0	32.2	837 Btuh
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	Window Total		596(sqft)		19176 Btuh
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	Wall Total		2020		6635 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		60	12.9	777 Btuh
3	Insulated - Exterior		120	12.9	1554 Btuh
	Door Total		200		2590Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	3180	1.2	3747 Btuh
	Ceiling Total		3180		3747Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	254.0 ft(p)	43.7	11090 Btuh
	Floor Total		254		11090 Btuh
			Zone Envelope Subtotal:		43237 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.58	36696	354.7	14369 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Papka, Adam Residence

Project Title:
611075Adam'sFramingConstruction

Class 3 Rating
Registration No. 0
Climate: North

1/14/2008

Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)	0 Btuh
Zone #1	**Sensible Zone Subtotal**	**57606 Btuh**

WHOLE HOUSE TOTALS

	Subtotal Sensible	57606 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	57606 Btuh

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

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Papka, Adam Residence

Project Title:
611075Adam'sFramingConstruction

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 1/14/2008

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

Component Loads for Whole House

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Overhang Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	HTM Unshaded	Load
1	2, Clear, 0.87, None,N,N	NW	1.5ft.	6.5ft.	54.0	0.0	54.0	29	60	3242 Btuh
2	2, Clear, 0.87, None,N,N	NE	99ft.	6ft.	20.0	0.0	20.0	29	60	1201 Btuh
3	2, Clear, 0.87, None,N,N	NW	16ft.	6ft.	40.0	0.0	40.0	29	60	2401 Btuh
4	2, Clear, 0.87, None,N,N	SW	99ft.	5.5ft.	20.0	20.0	0.0	29	63	579 Btuh
5	2, Clear, 0.87, None,N,N	NW	21ft.	5.5ft.	10.0	0.0	10.0	29	60	600 Btuh
6	2, Clear, 0.87, None,N,N	SW	10ft.	6.5ft.	60.0	60.0	0.0	29	63	1738 Btuh
7	2, Clear, 0.87, None,N,N	NW	1.5ft.	0ft.	72.0	0.0	72.0	29	60	4323 Btuh
8	2, Clear, 0.87, None,N,N	NW	1.5ft.	0ft.	24.0	0.0	24.0	29	60	1441 Btuh
9	2, Clear, 0.87, None,N,N	NE	1.5ft.	6.5ft.	72.0	0.0	72.0	29	60	4323 Btuh
10	2, Clear, 0.87, None,N,N	NW	1.5ft.	6.5ft.	18.0	0.0	18.0	29	60	1081 Btuh
11	2, Clear, 0.87, None,N,N	NE	1.5ft.	6.5ft.	36.0	0.0	36.0	29	60	2161 Btuh
12	2, Clear, 0.87, None,N,N	NE	1.5ft.	5.5ft.	8.0	0.0	8.0	29	60	480 Btuh
13	2, Clear, 0.87, None,N,N	SE	1.5ft.	6ft.	8.7	1.7	7.0	29	63	486 Btuh
14	2, Clear, 0.87, None,N,N	SE	1.5ft.	0ft.	42.0	42.0	0.0	29	63	1216 Btuh
15	2, Clear, 0.87, None,N,N	SE	1.5ft.	3ft.	4.0	3.0	1.0	29	63	148 Btuh
16	2, Clear, 0.87, None,N,N	SE	1.5ft.	0ft.	26.0	26.0	0.0	29	63	753 Btuh
17	2, Clear, 0.87, None,N,N	SW	1.5ft.	4ft.	6.0	3.0	3.0	29	63	273 Btuh
18	2, Clear, 0.87, None,N,N	SW	1.5ft.	6ft.	25.0	7.6	17.4	29	63	1308 Btuh
19	2, Clear, 0.87, None,N,N	SW	1.5ft.	6.5ft.	36.0	12.1	23.9	29	63	1844 Btuh
20	2, Clear, 0.87, None,N,N	SW	1.5ft.	3ft.	8.0	6.1	1.9	29	63	296 Btuh
21	2, Clear, 0.87, None,N,N	SE	1.5ft.	0ft.	6.0	6.0	0.0	29	63	174 Btuh
	Window Total				596 (sqft)					30067 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1824.3	2.1	3805 Btuh
2	Frame - Wood - Ext	13.0/0.09	196.0	2.1	409 Btuh
	Wall Total		2020 (sqft)		4214 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Adjacent	20.0	9.8	196 Btuh
2	Insulated - Exterior	60.0	9.8	588 Btuh
3	Insulated - Exterior	120.0	9.8	1176 Btuh
	Door Total	200 (sqft)		1960 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	3180.0	1.7	5266 Btuh
	Ceiling Total		3180 (sqft)		5266 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	254 (ft(p))	0.0	0 Btuh
	Floor Total		254.0 (sqft)		0 Btuh

	Zone Envelope Subtotal:	41508 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Papka, Adam Residence

Project Title:
611075Adam'sFramingConstruction

Class 3 Rating
Registration No. 0
Climate: North

1/14/2008

Infiltration	Type SensibleNatural	ACH 0.30		Volume(cuft) 36696		CFM= 183.5	Load 3415	Btuh
Internal gain		Occupants 6	X	Btuh/occupant 230	+	Appliance 0	Load 1380	Btuh
Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic)					DGM = 0.00	0.0	Btuh
						Sensible Zone Load	**46302**	**Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Papka, Adam Residence

Project Title:
611075Adam'sFramingConstruction

Class 3 Rating
Registration No. 0
Climate: North

1/14/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**46302 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**46302 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**46302 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	6705 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**7905 Btuh**
	TOTAL GAIN	**54208 Btuh**

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

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Papka, Adam Residence

Project Title:
611075Adam'sFramingConstruction

Class 3 Rating
Registration No. 0
Climate: North

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Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 1/14/2008

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

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	NW	1.5ft.	6.5ft.	54.0	0.0	54.0	29	60	3242 Btuh
2	2, Clear, 0.87, None,N,N	NE	99ft.	6ft.	20.0	0.0	20.0	29	60	1201 Btuh
3	2, Clear, 0.87, None,N,N	NW	16ft.	6ft.	40.0	0.0	40.0	29	60	2401 Btuh
4	2, Clear, 0.87, None,N,N	SW	99ft.	5.5ft.	20.0	20.0	0.0	29	63	579 Btuh
5	2, Clear, 0.87, None,N,N	NW	21ft.	5.5ft.	10.0	0.0	10.0	29	60	600 Btuh
6	2, Clear, 0.87, None,N,N	SW	10ft.	6.5ft.	60.0	60.0	0.0	29	63	1738 Btuh
7	2, Clear, 0.87, None,N,N	NW	1.5ft.	0ft.	72.0	0.0	72.0	29	60	4323 Btuh
8	2, Clear, 0.87, None,N,N	NW	1.5ft.	0ft.	24.0	0.0	24.0	29	60	1441 Btuh
9	2, Clear, 0.87, None,N,N	NE	1.5ft.	6.5ft.	72.0	0.0	72.0	29	60	4323 Btuh
10	2, Clear, 0.87, None,N,N	NW	1.5ft.	6.5ft.	18.0	0.0	18.0	29	60	1081 Btuh
11	2, Clear, 0.87, None,N,N	NE	1.5ft.	6.5ft.	36.0	0.0	36.0	29	60	2161 Btuh
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13	2, Clear, 0.87, None,N,N	SE	1.5ft.	6ft.	8.7	1.7	7.0	29	63	486 Btuh
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15	2, Clear, 0.87, None,N,N	SE	1.5ft.	3ft.	4.0	3.0	1.0	29	63	148 Btuh
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18	2, Clear, 0.87, None,N,N	SW	1.5ft.	6ft.	25.0	7.6	17.4	29	63	1308 Btuh
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21	2, Clear, 0.87, None,N,N	SE	1.5ft.	0ft.	6.0	6.0	0.0	29	63	174 Btuh
	Window Total				596 (sqft)					30067 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1824.3	2.1	3805 Btuh
2	Frame - Wood - Ext	13.0/0.09	196.0	2.1	409 Btuh
	Wall Total		2020 (sqft)		4214 Btuh

Doors	Type	Area (sqft)	HTM	Load
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	Door Total	200 (sqft)		1960 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	3180.0	1.7	5266 Btuh
	Ceiling Total		3180 (sqft)		5266 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	254 (ft(p))	0.0	0 Btuh
	Floor Total		254.0 (sqft)		0 Btuh

		Load
	Zone Envelope Subtotal:	41508 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Papka, Adam Residence

Project Title:
611075Adam'sFramingConstruction

Class 3 Rating
Registration No. 0
Climate: North

1/14/2008

Infiltration	Type SensibleNatural	ACH 0.30	Volume(cuft) 36696			CFM= 183.5	Load 3415	Btuh
Internal gain		Occupants 6	Btuh/occupant X 230		+	Appliance 0	Load 1380	Btuh
Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic)					DGM = 0.00	0.0	Btuh
						Sensible Zone Load	**46302**	**Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Papka, Adam Residence

Project Title:
611075Adam'sFramingConstruction

Class 3 Rating
Registration No. 0
Climate: North

1/14/2008

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	**46302 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**46302 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
Whole House	**Total sensible gain**	**46302 Btuh**
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	6705 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**7905 Btuh**
	TOTAL GAIN	**54208 Btuh**

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

For Florida residences only

Residential Window Diversity

MidSummer

Papka, Adam Residence

Project Title:
611075Adam'sFramingConstruction

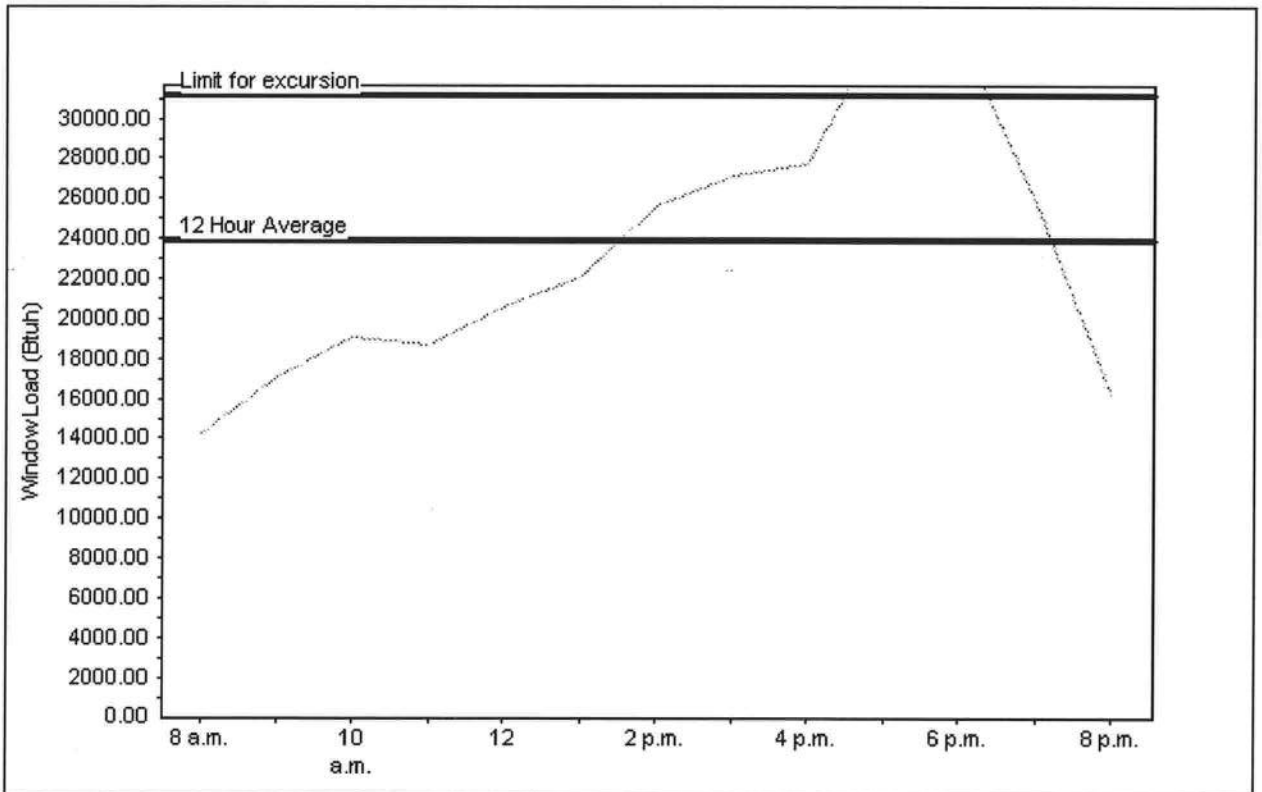
Class 3 Rating
Registration No. 0
Climate: North

1/14/2008

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	23941 Btu
Summer setpoint	75 F	Peak window load for July	35192 Btu
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	31123 Btu
Latitude	29 North	Window excursion (July)	4070 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: 1-14-08

Cantilever Reinforcement

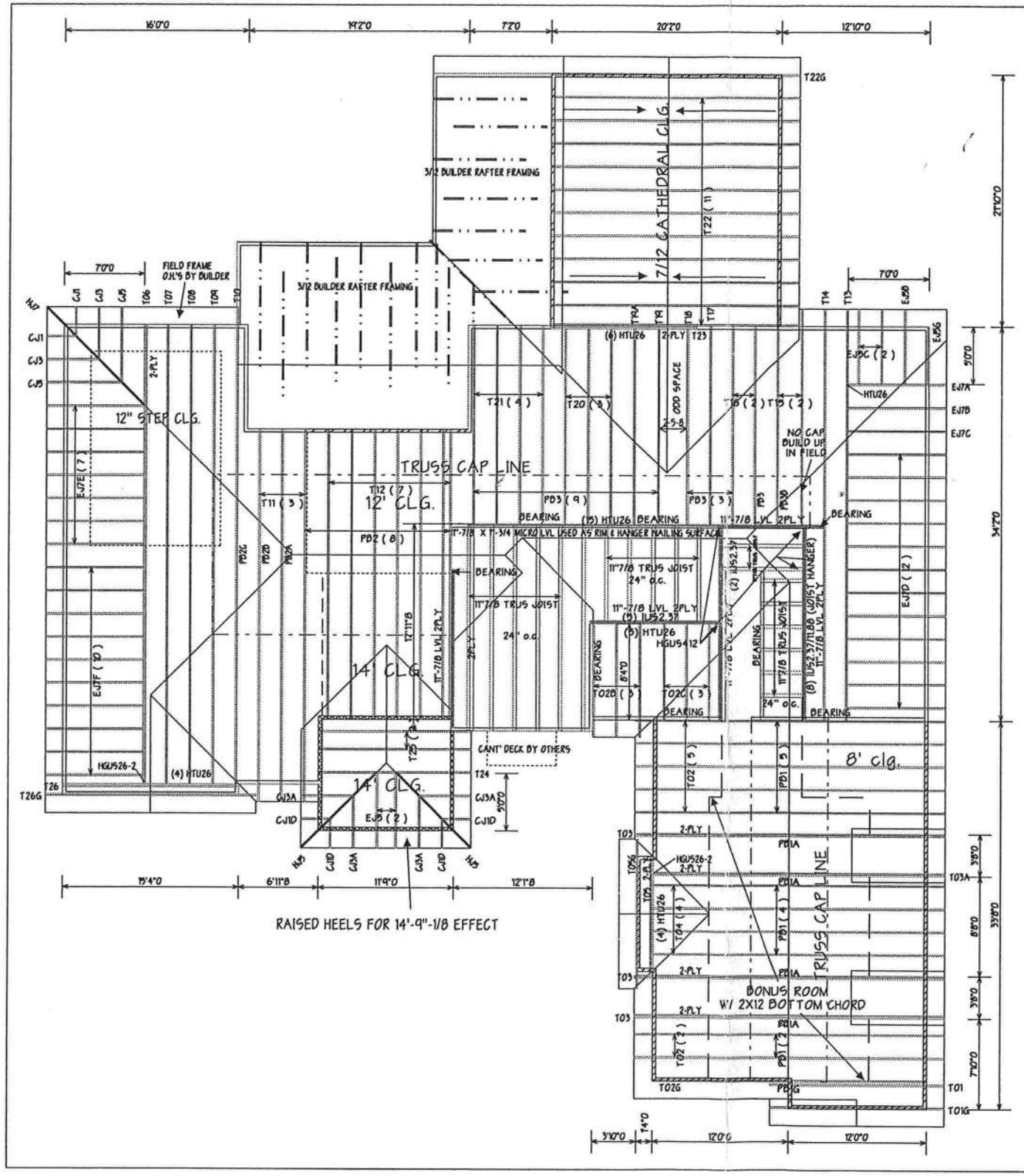
Depth	TJI®	Roof Truss Span	Section A: Cantilevers less than 5" (Brick Ledge)									Section B: Cantilevers 5" to 24"								
			Roof Total Load									Roof Total Load								
			35 PSF			45 PSF			55 PSF			35 PSF			45 PSF			55 PSF		
			On-Center Joist Spacing									On-Center Joist Spacing								
			16"	19.2"	24"	16"	19.2"	24"	16"	19.2"	24"	16"	19.2"	24"	16"	19.2"	24"	16"	19.2"	24"
9½" 11⅞" 14"	110	20'			E5		E5	E5		E5	E5						X			X
		22'			E5		E5	E5	E5	E5	E5						X		X	X
		24'		E5	E5	E5	E5	E5	E5	E5	E5						X		X	X
		26'		E5	E5	E5	E5	E5	E5	E5	E6			X		E2	X	E2	X	X
		28'		E5	X	E5	E5	X	E5	E5	X		E2	X	E2	X	X	X	X	X
		30'	E5	E5	X	E5	E5	X	E5	E5	X		E3	X	E3	X	X	X	X	X
		32'	E5	X	X	E5	X	X	E5	X	X	E2	X	X	X	X	X	X	X	X
9½" 11⅞" 14" 16"	210	20'			E5			E5		E5	E5									X
		22'			E5		E5	E5		E5	E5						E2			X
		24'			E5		E5	E5	E5	E5	E5						E2			X
		26'		E5	E5		E5	E5	E5	E5	E5						X		E2	X
		28'		E5	E5	E5	E5	E5	E5	E5	E6			E2		E2	X	E2	X	X
		30'		E5	E5	E5	E5	E5	E5	E5	E6			E3	E2	E3	X	E3	X	X
		32'	E5	E5	X	E5	E5	X	E5	E5	X		E2	X	E3	X	X	X	X	X
9½" 11⅞" 14" 16"	230	24'			E5		E5	E5	E5	E5	E5						E2			X
		26'		E5	E5		E5	E5	E5	E5	E5						E2		E2	X
		28'		E5	E5	E5	E5	E5	E5	E5	E5					E2	E3	E2	E3	X
		30'		E5	E5	E5	E5	E5	E5	E5	E5			E2		E2	X	E2	X	X
		32'	E5	E5	X	E5	E5	X	E5	E5	X		E2	E3	E2	E3	X	E3	X	X
		34'	E5	E5	X	E5	E5	X	E5	E5	X		E3	X	E3	X	X	X	X	X
11⅞" 14" 16"	360	28'			E5		E5	E5	E5	E5	E5									E2
		30'		E5	E5		E5	E5	E5	E5	E5						E1W			E2
		32'		E5	E5	E5	E5	E5	E5	E5	E5						E2			E2
		34'		E5	E5	E5	E5	E5	E5	E5	E6						E2		E1W	E3
		36'		E5	E5	E5	E5	E5	E5	E5	E6			E1W			E2		E2	E3
		38'	E5	E5	E5	E5	E5	E5	E5	E5	E6			E1W			E2		E2	E3
		40'	E5	E5	E5	E5	E5	E5	E5	E5	E6			E1W		E1W	E2		E2	E3
11⅞" 14" 16"	560	30'			E5		E5	E5		E5	E5									
		32'			E5		E5	E5	E5	E5	E5									
		34'			E5		E5	E5	E5	E5	E5									E2
		36'		E5	E5		E5	E5	E5	E5	E6									E2
		38'		E5	E5	E5	E5	E5	E5	E5	E6									E2
		40'		E5	E5	E5	E5	E5	E5	E5	E6						E1W			E2

How to Use This Table

1. Identify TJI® joist and depth.
2. Locate the **Roof Truss Span** (horizontal) that meets or exceeds your condition.
3. Identify the cantilever condition (less than 5" or 5" to 24") and locate the **Roof Total Load** and **On-Center Joist Spacing** for your application.
4. Scan down to find the appropriate cantilever detail and refer to drawing on page 12:
   - Blank cells indicate that no reinforcement is required.
   - E4 may be used in place of E2 or E3 except when using TJI® 560 joists.
   - X indicates that cantilever will not work. Use TJ-Beam® or TJ-Xpert® software, or reduce spacing of joists and recheck table.

General Notes

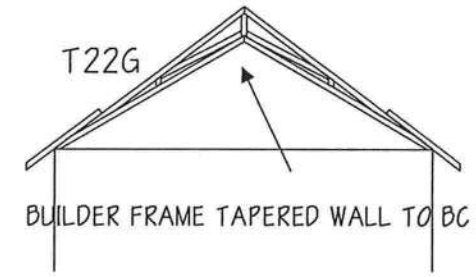
- Table is based on:
  - 15 psf roof dead load on a horizontal projection.
  - 80 plf exterior wall load with 3'-0" maximum width window or door openings. For larger openings, or multiple 3'-0" width openings spaced less than 6'-0" on-center, additional joists beneath the opening's trimmers may be required.
  - More restrictive of simple or continuous span.
  - Roof truss with 24" soffits.
- ¾" reinforcement refers to ¾" Exposure 1 plywood or other ¾" Exposure 1, 48/24-rated sheathing that is cut to match the full depth of the TJI® joist. Install with face grain horizontal. Reinforcing member must bear fully on the wall plate.
- Designed for 2x4 and 2x6 plate widths.
- For conditions beyond the scope of this table, including cantilevers longer than 24", use our TJ-Beam® or TJ-Xpert® software.

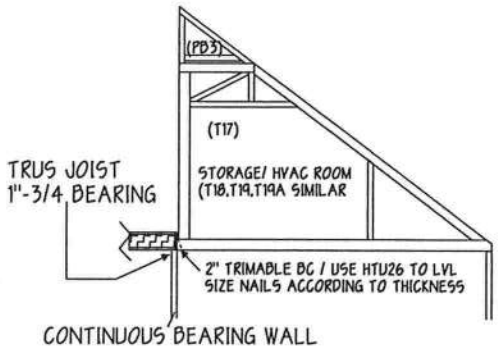


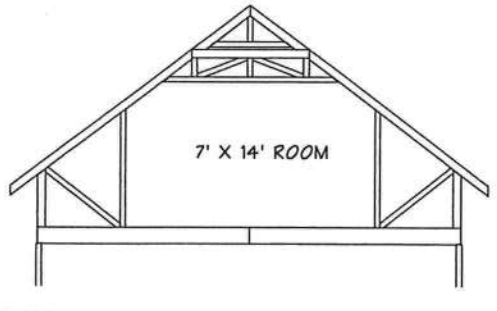
1ST FLOOR ROOF AND 2ND FLOOR
(SEE LAYOUT 2 FOR 2ND FLOOR ROOF)

TRUSS INFORMATION

9/12 PITCH UNLESS NOTED
18" O.H.
ROOF & FLOOR 24" O.C.
FLOOR DEPTH 11"-7/8
BEARING ADDED TO TRUSS ROOF
ALL BEAMS MICROLLAM (11"-7/8) LVL
10'-0" CLGS. UNLESS NOTED







BEARING HEIGHT SCHEDULE

- 10'-1"-1/8
- 8'-1"-1/8
- 12'-1"-1/8
- 14'-1"-1/8

HANGER SCHEDULE

ROOF	(36) HTU26 (2) HGUS26-2
FLOOR	(3) HGUS412 (15) LUS 2.37 / 11.88

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) 5T42 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 (IDR) 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 WARE 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: 407-322-9553

BUILDER: ADAMS CONSTRUCTION

LEGAL ADDRESS: ADAM PAPKA RES.

MODEL: CUSTOM LAY-1 OF 2 | SCALE: NTS

DATE: 12-14-07 | DRAWN BY: B.CANNADY | JOB #: L262683

Cantilever Reinforcement

Depth	TJI®	Roof Truss Span	Section A: Cantilevers less than 5" (Brick Ledge)									Section B: Cantilevers 5" to 24"								
			Roof Total Load									Roof Total Load								
			35 PSF			45 PSF			55 PSF			35 PSF			45 PSF			55 PSF		
			On-Center Joist Spacing									On-Center Joist Spacing								
			16"	19.2"	24"	16"	19.2"	24"	16"	19.2"	24"	16"	19.2"	24"	16"	19.2"	24"	16"	19.2"	24"
9½" 11⅞" 14"	110	20'			E5		E5	E5		E5	E5						X			X
		22'			E5		E5	E5	E5	E5	E5						X		X	X
		24'		E5	E5	E5	E5	E5	E5	E5	E5						X		X	X
		26'		E5	E5	E5	E5	E5	E5	E5	E6			X		E2	X	E2	X	X
		28'		E5	X	E5	E5	X	E5	E5	X		E2	X	E2	X	X	X	X	X
		30'	E5	E5	X	E5	E5	X	E5	E5	X		E3	X	E3	X	X	X	X	X
		32'	E5	X	X	E5	X	X	E5	X	X	E2	X	X	X	X	X	X	X	X
9½" 11⅞" 14" 16"	210	20'			E5			E5		E5	E5									X
		22'			E5		E5	E5		E5	E5						E2			X
		24'			E5		E5	E5	E5	E5	E5						E2			X
		26'		E5	E5		E5	E5	E5	E5	E5						X		E2	X
		28'		E5	E5	E5	E5	E5	E5	E5	E6			E2		E2	X	E2	X	X
		30'		E5	E5	E5	E5	E5	E5	E5	E6			E3	E2	E3	X	E3	X	X
		32'	E5	E5	X	E5	E5	X	E5	E5	X		E2	X	E3	X	X	X	X	X
9½" 11⅞" 14" 16"	230	24'			E5		E5	E5	E5	E5	E5						E2			X
		26'		E5	E5		E5	E5	E5	E5	E5						E2		E2	X
		28'		E5	E5	E5	E5	E5	E5	E5	E5					E2	E3	E2	E3	X
		30'		E5	E5	E5	E5	E5	E5	E5	E5			E2		E2	X	E2	X	X
		32'	E5	E5	X	E5	E5	X	E5	E5	X		E2	E3	E2	E3	X	E3	X	X
		34'	E5	E5	X	E5	E5	X	E5	E5	X		E3	X	E3	X	X	X	X	X
11⅞" 14" 16"	360	28'			E5		E5	E5	E5	E5	E5									E2
		30'		E5	E5		E5	E5	E5	E5	E5						E1W			E2
		32'		E5	E5	E5	E5	E5	E5	E5	E5						E2			E2
		34'		E5	E5	E5	E5	E5	E5	E5	E6						E2		E1W	E3
		36'		E5	E5	E5	E5	E5	E5	E5	E6			E1W			E2		E2	E3
		38'	E5	E5	E5	E5	E5	E5	E5	E5	E6			E1W			E2		E2	E3
		40'	E5	E5	E5	E5	E5	E5	E5	E5	E6			E1W		E1W	E2		E2	E3
11⅞" 14" 16"	560	30'			E5		E5	E5		E5	E5									
		32'			E5		E5	E5	E5	E5	E5									
		34'			E5		E5	E5	E5	E5	E5									E2
		36'		E5	E5		E5	E5	E5	E5	E6									E2
		38'		E5	E5	E5	E5	E5	E5	E5	E6									E2
		40'		E5	E5	E5	E5	E5	E5	E5	E6						E1W			E2

How to Use This Table

1. Identify TJI® joist and depth.
2. Locate the **Roof Truss Span** (horizontal) that meets or exceeds your condition.
3. Identify the cantilever condition (less than 5" or 5" to 24") and locate the **Roof Total Load** and **On-Center Joist Spacing** for your application.
4. Scan down to find the appropriate cantilever detail and refer to drawing on page 12:
   - Blank cells indicate that no reinforcement is required.
   - E4 may be used in place of E2 or E3 except when using TJI® 560 joists.
   - X indicates that cantilever will not work. Use TJ-Beam® or TJ-Xpert® software, or reduce spacing of joists and recheck table.

General Notes

- Table is based on:
  - 15 psf roof dead load on a horizontal projection.
  - 80 plf exterior wall load with 3'-0" maximum width window or door openings. For larger openings, or multiple 3'-0" width openings spaced less than 6'-0" on-center, additional joists beneath the opening's trimmers may be required.
  - More restrictive of simple or continuous span.
  - Roof truss with 24" soffits.
- ¾" reinforcement refers to ¾" Exposure 1 plywood or other ¾" Exposure 1, 48/24-rated sheathing that is cut to match the full depth of the TJI® joist. Install with face grain horizontal. Reinforcing member must bear fully on the wall plate.
- Designed for 2x4 and 2x6 plate widths.
- For conditions beyond the scope of this table, including cantilevers longer than 24", use our TJ-Beam® or TJ-Xpert® software.

Builders FirstSource

Project Information for: L262683

Builder: Adams Framing & Construction, LLC
Lot : 10
Subdivision: Aimsley Glen
County: Columbia
Truss Count: 67
Design Program: MiTek 20/20 6.3
Building Code: FBC2004/TPI2002

Truss Design Load Information:

Gravity: **Wind:**

Roof (psf): 42.0 Wind Standard: ASCE 7-02 Wind Exposure: B
Floor (psf): 55.0 Wind Speed (mph): 110

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

Contractor of Record, responsible for structural engineering:
Adam R. Papka Florida License No. CBC1253409
Address: P.O. Box 1921 Lake City, Florida 32056

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	Date	No.	Drwg. #	Truss ID	Date	No.	Drwg. #	Truss ID	Date
1	J1921247	CJ1	1/2/08	29	J1921275	T02	1/2/08	57	J1921303	T23	1/2/08
2	J1921248	CJ1D	1/2/08	30	J1921276	T02B	1/2/08	58	J1921304	T24	1/2/08
3	J1921249	CJ3	1/2/08	31	J1921277	T02C	1/2/08	59	J1921305	T25	1/2/08
4	J1921250	CJ3A	1/2/08	32	J1921278	T02G	1/2/08	60	J1921306	T26	1/2/08
5	J1921251	CJ5	1/2/08	33	J1921279	T03	1/2/08	61	J1921307	T26G	1/2/08
6	J1921252	EJ5	1/2/08	34	J1921280	T03A	1/2/08	62	J1921308	T27	1/2/08
7	J1921253	EJ5B	1/2/08	35	J1921281	T04	1/2/08	63	J1921309	T27G	1/2/08
8	J1921254	EJ5C	1/2/08	36	J1921282	T05	1/2/08	64	J1921310	T28	1/2/08
9	J1921255	EJ5G	1/2/08	37	J1921283	T05G	1/2/08	65	J1921311	T29	1/2/08
10	J1921256	EJ7A	1/2/08	38	J1921284	T06	1/2/08	66	J1921312	T30	1/2/08
11	J1921257	EJ7B	1/2/08	39	J1921285	T07	1/2/08	67	J1921313	T31	1/2/08
12	J1921258	EJ7C	1/2/08	40	J1921286	T08	1/2/08				
13	J1921259	EJ7D	1/2/08	41	J1921287	T09	1/2/08				
14	J1921260	EJ7E	1/2/08	42	J1921288	T10	1/2/08				
15	J1921261	EJ7F	1/2/08	43	J1921289	T11	1/2/08				
16	J1921262	HJ5	1/2/08	44	J1921290	T12	1/2/08				
17	J1921263	HJ7	1/2/08	45	J1921291	T13	1/2/08				
18	J1921264	PB1	1/2/08	46	J1921292	T14	1/2/08				
19	J1921265	PB1A	1/2/08	47	J1921293	T15	1/2/08				
20	J1921266	PB1G	1/2/08	48	J1921294	T16	1/2/08				
21	J1921267	PB2	1/2/08	49	J1921295	T17	1/2/08				
22	J1921268	PB2A	1/2/08	50	J1921296	T18	1/2/08				
23	J1921269	PB2B	1/2/08	51	J1921297	T19	1/2/08				
24	J1921270	PB2C	1/2/08	52	J1921298	T19A	1/2/08				
25	J1921271	PB3	1/2/08	53	J1921299	T20	1/2/08				
26	J1921272	PB3B	1/2/08	54	J1921300	T21	1/2/08				
27	J1921273	T01	1/2/08	55	J1921301	T22	1/2/08				
28	J1921274	T01G	1/2/08	56	J1921302	T22G	1/2/08				

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	CJ1	JACK	2	1	J1921247
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:00:56 2007 Page 1

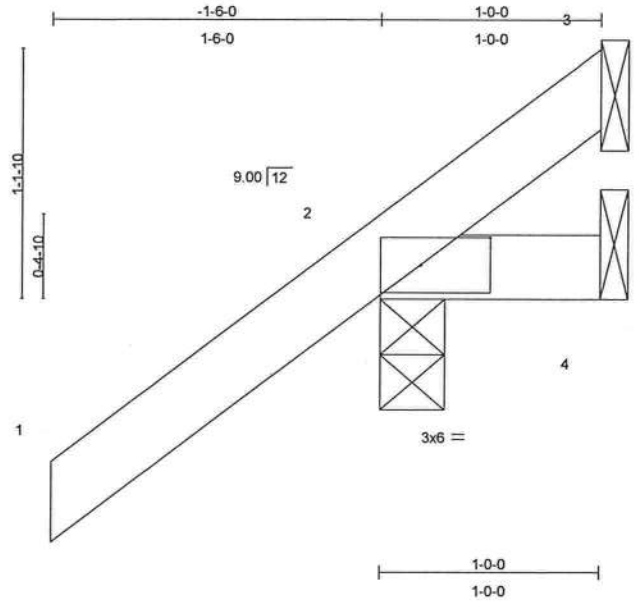


Plate Offsets (X,Y): [2:0-3-13,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.17	Vert(LL)	-0.00	2	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.01	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=179/0-3-8, 4=5/Mechanical, 3=-40/Mechanical
Max Horz 2=106(load case 6)
Max Uplift 2=-193(load case 6), 3=-40(load case 1)
Max Grav 2=179(load case 1), 4=14(load case 2), 3=74(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-59/55
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

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

January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	CJ1	JACK	2	1	J1921247 Job Reference (optional)

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 193 lb uplift at joint 2 and 40 lb uplift at joint 3.

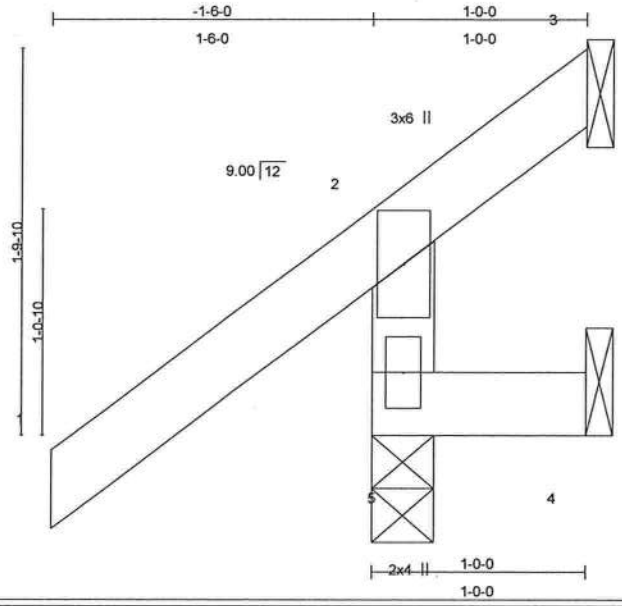
LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE# No. 34836
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	CJ1D	JACK	4	1	J1921248
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:00:56 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.26	Vert(LL)	0.00	5	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.03	Vert(TL)	0.00	5	>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: 7 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 1-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 5=203/0-3-8, 4=-15/Mechanical, 3=-45/Mechanical
Max Horz 5=109(load case 6)
Max Uplift 5=-146(load case 6), 4=-31(load case 6), 3=-45(load case 1)
Max Grav 5=203(load case 1), 4=7(load case 2), 3=38(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-5=-179/188, 1-2=0/53, 2-3=-54/27
BOT CHORD 4-5=0/0

JOINT STRESS INDEX
2 = 0.29 and 5 = 0.26

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; end vertical left exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 146 lb uplift at joint 5, 31 lb uplift at joint 4 and 45 lb uplift at joint 3.

Continued on page 2

Julius Lee
Truss Design Engineer
Florida PE No. 34869
105 Crandall Park Blvd
Boynton Beach, FL 33435

January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	CJ1D	JACK	4	1	J1921248 Job Reference (optional)

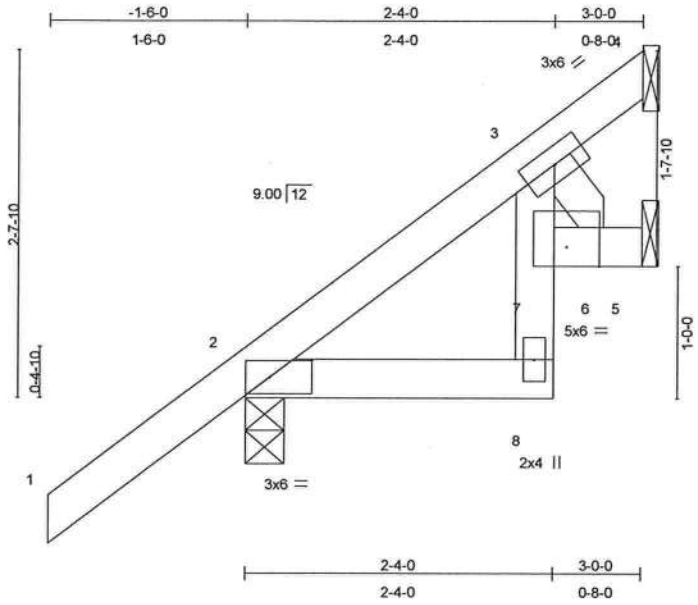
LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida FIE No. 34183
1309 Coastal Bay Blvd
Boynton Beach, FL 33435

January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	CJ3	SPECIAL	2	1	J1921249
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:00:57 2007 Page 1



Scale = 1:16.5

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.19	Vert(LL)	-0.00	8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.06	Vert(TL)	-0.00	2-8	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.01	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 16 lb	

LUMBER

TOP CHORD	2 X 4 SYP No.2
BOT CHORD	2 X 4 SYP No.2 *Except* 3-8 2 X 4 SYP No.3
WEBS	2 X 4 SYP No.3

BRACING

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

REACTIONS (lb/size) 4=34/Mechanical, 2=204/0-3-8, 5=29/Mechanical
Max Horz 2=173(load case 6)
Max Uplift 4=-43(load case 6), 2=-135(load case 6), 5=-25(load case 7)
Max Grav 4=34(load case 1), 2=204(load case 1), 5=41(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/48, 2-3=-76/0, 3-4=-33/18
BOT CHORD	2-8=-12/17, 7-8=0/31, 3-7=-3/54, 6-7=-29/42, 5-6=0/0
WEBS	3-6=-70/48

JOINT STRESS INDEX

2 = 0.14, 3 = 0.05, 6 = 0.00, 7 = 0.02 and 8 = 0.02

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.

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Truss Design Engineer
Florida PE No. 34869
1905 Crastal Bay Blvd
Boynton Beach, FL 33435

January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
					J1921249
L262683	CJ3	SPECIAL	2	1	Job Reference (optional)

NOTES

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 43 lb uplift at joint 4, 135 lb uplift at joint 2 and 25 lb uplift at joint 5.

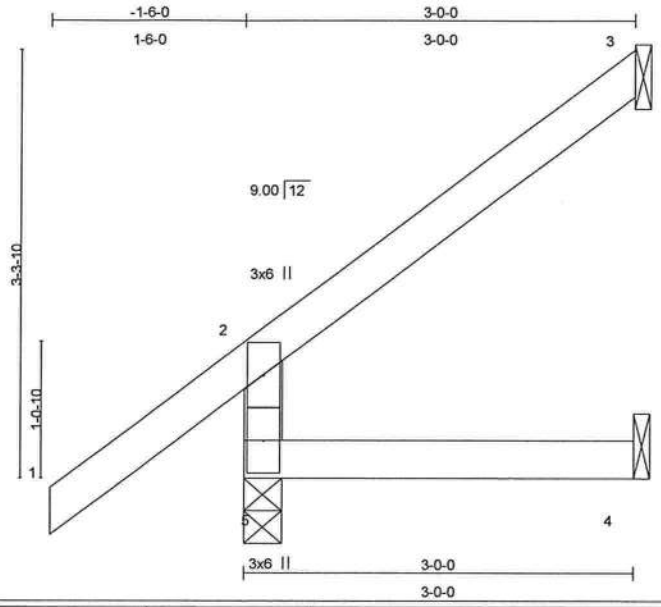
LOAD CASE(S) Standard

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

January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	CJ3A	JACK	4	1	J1921250
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:00:57 2007 Page 1



Scale = 1:16.8

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.37	Vert(LL)	0.01	4-5	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.13	Vert(TL)	-0.00	4-5	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.02	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
WEBS 2 X 4 SYP No.3

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

REACTIONS (lb/size) 5=204/0-3-8, 3=53/Mechanical, 4=10/Mechanical
Max Horz 5=196(load case 6)
Max Uplift 5=-125(load case 6), 3=-80(load case 6), 4=-46(load case 6)
Max Grav 5=204(load case 1), 3=53(load case 1), 4=38(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-5=-187/133, 1-2=0/53, 2-3=-70/23
BOT CHORD 4-5=0/0

JOINT STRESS INDEX
2 = 0.45 and 5 = 0.18

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; end vertical left exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 125 lb uplift at joint 5, 80 lb uplift at joint 3 and 46 lb uplift at joint 4.

Continued on page 2

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January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
					J1921250
L262683	CJ3A	JACK	4	1	Job Reference (optional)

LOAD CASE(S) Standard

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January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	CJ5	SPECIAL	2	1	J1921251
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:00:58 2007 Page 1

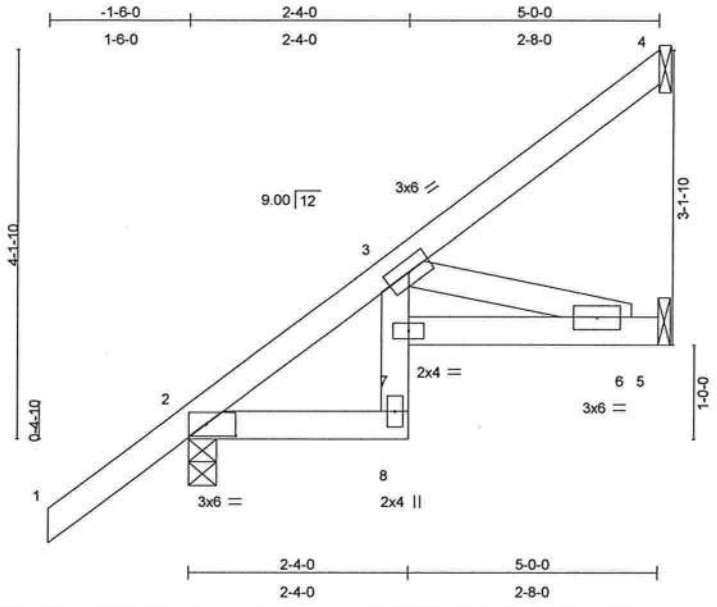

Plate Offsets (X,Y): [2:0-3-13,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.19	Vert(LL)	-0.01	8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.31	Vert(TL)	-0.01	8	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 26 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except* 3-8 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

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

REACTIONS (lb/size) 4=73/Mechanical, 2=257/0-3-8, 5=65/Mechanical
Max Horz 2=242(load case 6)
Max Uplift 4=-85(load case 6), 2=-124(load case 6), 5=-35(load case 6)
Max Grav 4=73(load case 1), 2=257(load case 1), 5=78(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-165/0, 3-4=-70/35
BOT CHORD 2-8=-78/82, 7-8=0/31, 3-7=0/75, 6-7=-190/200, 5-6=0/0
WEBS 3-6=-208/197

JOINT STRESS INDEX
2 = 0.16, 3 = 0.11, 6 = 0.06, 7 = 0.11 and 8 = 0.07

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.

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January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
					J1921251
L262683	CJ5	SPECIAL	2	1	Job Reference (optional)

NOTES

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 85 lb uplift at joint 4, 124 lb uplift at joint 2 and 35 lb uplift at joint 5.

LOAD CASE(S) Standard

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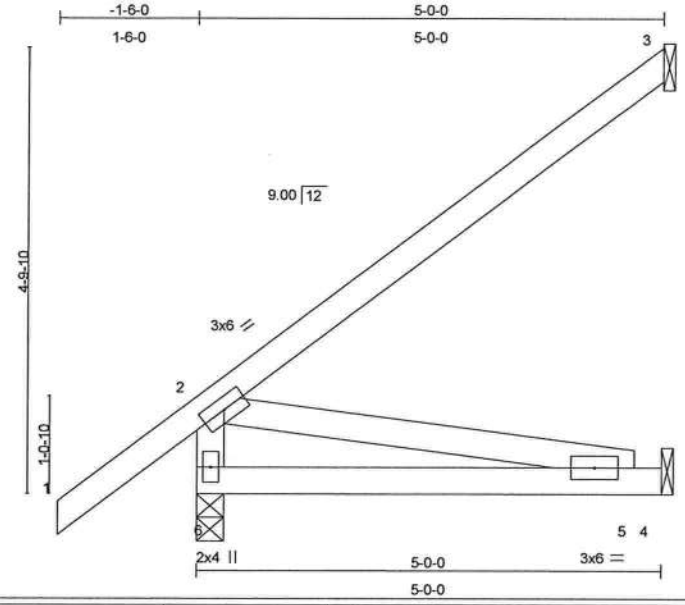
January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	EJ5	JACK	2	1	J1921252
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:00:58 2007 Page 1



Scale = 1:23.4

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.22	Vert(LL)	0.09	5-6	>637	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.26	Vert(TL)	-0.05	5-6	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.07	Horz(TL)	-0.01	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 27 lb	

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

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

REACTIONS (lb/size) 6=257/0-3-8, 3=114/Mechanical, 4=24/Mechanical
Max Horz 6=265(load case 6)
Max Uplift 6=-148(load case 6), 3=-126(load case 6), 4=-90(load case 6)
Max Grav 6=257(load case 1), 3=114(load case 1), 4=72(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-6=-234/117, 1-2=0/53, 2-3=-108/53
BOT CHORD 5-6=-294/1, 4-5=0/0
WEBS 2-5=-1/299

JOINT STRESS INDEX
2 = 0.11, 5 = 0.08 and 6 = 0.08

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; end vertical left exposed; 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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January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
					J1921252
L262683	EJ5	JACK	2	1	Job Reference (optional)

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 148 lb uplift at joint 6, 126 lb uplift at joint 3 and 90 lb uplift at joint 4.

LOAD CASE(S) Standard

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January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	EJ5B	MONO HIP	1	1	J1921253
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 02 10:09:32 2008 Page 1

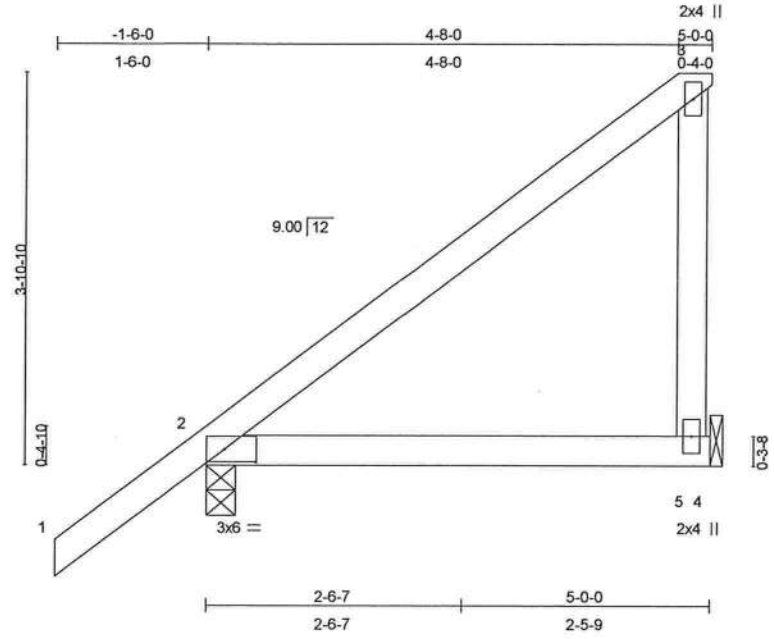

Plate Offsets (X,Y): [2:0-3-13,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.20	Vert(LL)	-0.02	2-5	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.15	Vert(TL)	-0.04	2-5	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00		n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 25 lb	

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

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

REACTIONS (lb/size) 5=136/Mechanical, 2=254/0-3-8
Max Horz 2=238(load case 6)
Max Uplift 5=-115(load case 6), 2=-124(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-114/53, 3-5=-110/145
BOT CHORD 2-5=0/0, 4-5=0/0

JOINT STRESS INDEX
2 = 0.17, 3 = 0.07 and 5 = 0.08

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 115 lb uplift at joint 5 and 124 lb uplift at joint 2.

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LOAD CASE(S) Standard

January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	EJ5C	JACK	2	1	J1921254
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:00:59 2007 Page 1

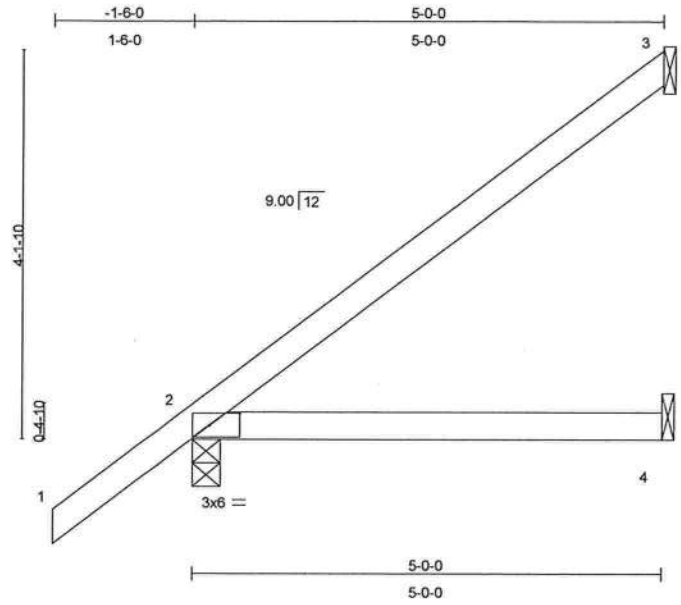

Plate Offsets (X,Y): [2:0-3-13,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.22	Vert(LL)	-0.03	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	-0.05	2-4	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 20 lb	

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

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

REACTIONS (lb/size) 3=114/Mechanical, 2=257/0-3-8, 4=24/Mechanical
Max Horz 2=242(load case 6)
Max Uplift 3=-135(load case 6), 2=-124(load case 6)
Max Grav 3=114(load case 1), 2=257(load case 1), 4=72(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-117/54
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.17

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

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January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
					J1921254
L262683	EJ5C	JACK	2	1	Job Reference (optional)

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 135 lb uplift at joint 3 and 124 lb uplift at joint 2.

LOAD CASE(S) Standard

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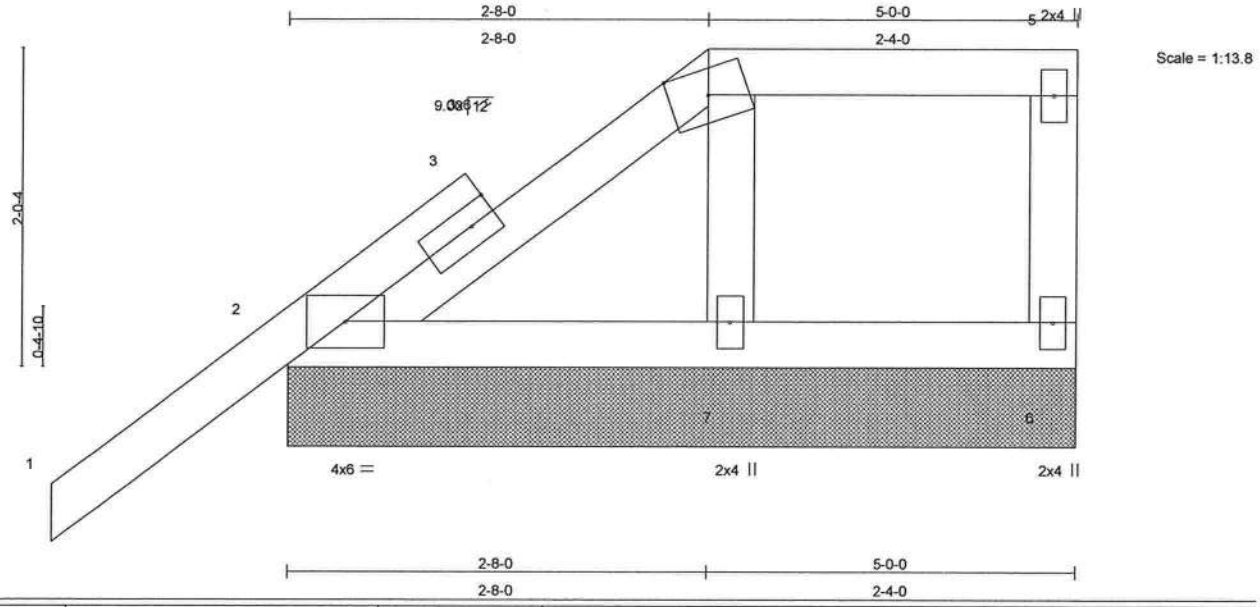
January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	EJ5G	MONO HIP	1	1	J1921255
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:00 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.17	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.05	Vert(TL)	-0.00	1	n/r	90		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.03	Horz(TL)	-0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 25 lb	

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

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

REACTIONS (lb/size) 2=193/5-0-0, 6=65/5-0-0, 7=134/5-0-0
Max Horz 2=148(load case 6)
Max Uplift 2=-143(load case 6), 6=-46(load case 4), 7=-49(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-55/7, 3-4=-21/16, 4-5=-1/0, 5-6=-59/71
BOT CHORD 2-7=-9/9, 6-7=0/0
WEBS 4-7=-103/107

JOINT STRESS INDEX
2 = 0.78, 3 = 0.00, 3 = 0.15, 4 = 0.04, 5 = 0.04, 6 = 0.04 and 7 = 0.06

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) Provide adequate drainage to prevent water ponding.
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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

Continued on page 2

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January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	EJ5G	MONO HIP	1	1	J1921255 Job Reference (optional)

NOTES

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 143 lb uplift at joint 2, 46 lb uplift at joint 6 and 49 lb uplift at joint 7.

7) Truss designed for wind loads in plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail".

LOAD CASE(S) Standard

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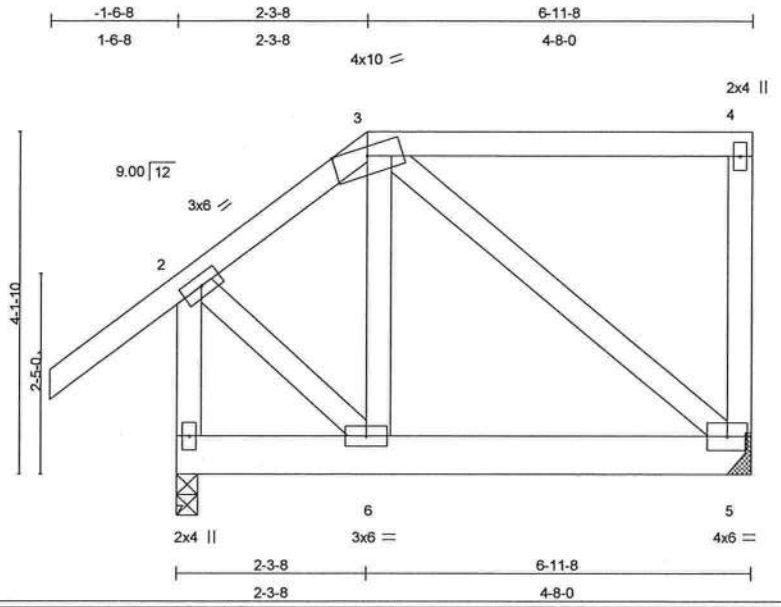
January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	EJ7A	MONO HIP	1	1	J1921256
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:00 2007 Page 1



Simpson HTU26

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)	-0.00	5-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.06	Vert(TL)	-0.01	5-6	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.10	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 55 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3

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

REACTIONS (lb/size) 7=460/0-3-0, 5=346/Mechanical
Max Horz 7=166(load case 5)
Max Uplift 7=-129(load case 5), 5=-134(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-7=-430/135, 1-2=0/55, 2-3=-230/86, 3-4=-30/14, 4-5=-121/66
BOT CHORD 6-7=-106/11, 5-6=-84/165
WEBS 2-6=-75/255, 3-6=-73/96, 3-5=-175/100

JOINT STRESS INDEX
2 = 0.63, 3 = 0.28, 4 = 0.64, 5 = 0.16, 6 = 0.15 and 7 = 0.31

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60.
2) Provide adequate drainage to prevent water ponding.
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 at joint(s) 7.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 129 lb uplift at joint 7 and 134 lb uplift at joint 5.

Continued on page 2

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January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	EJ7A	MONO HIP	1	1	J1921256
					Job Reference (optional)

NOTES

7) Girder carries tie-in span(s): 5-0-0 from 0-0-0 to 6-11-8
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: 1-2=-54, 2-3=-54, 3-4=-54, 5-7=-53(F=-43)

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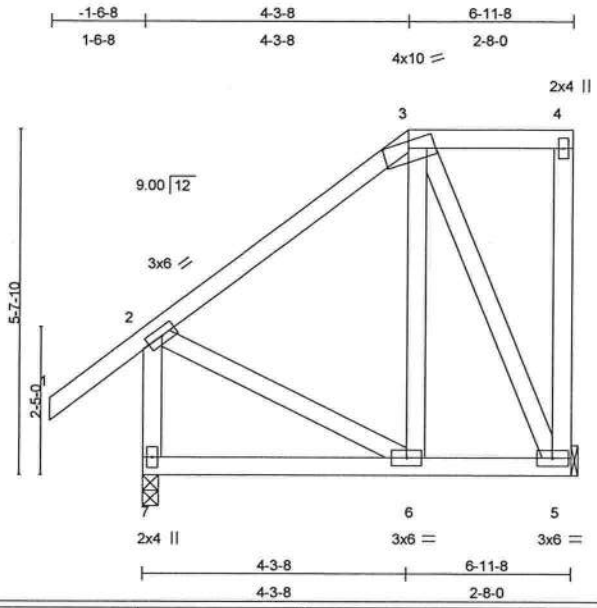
Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	EJ7B	MONO HIP	1	1	J1921257
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:01 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	Vert(LL)	-0.01	6-7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	-0.01	6-7	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.10	Horz(TL)	-0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 58 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=316/0-3-0, 5=202/Mechanical
Max Horz 7=216(load case 6)
Max Uplift 7=-53(load case 6), 5=-106(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-7=-293/137, 1-2=0/55, 2-3=-160/51, 3-4=-3/2, 4-5=-46/49
BOT CHORD 6-7=-276/19, 5-6=-106/71
WEBS 2-6=-15/193, 3-6=-68/99, 3-5=-161/243

JOINT STRESS INDEX
2 = 0.54, 3 = 0.38, 4 = 0.09, 5 = 0.16, 6 = 0.08 and 7 = 0.33

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; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
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 at joint(s) 7.

Continued on page 2

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1109 Coastal Bay Blvd
Boynton Beach, FL 33435

January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
					J1921257
L262683	EJ7B	MONO HIP	1	1	Job Reference (optional)

NOTES

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 53 lb uplift at joint 7 and 106 lb uplift at joint 5.

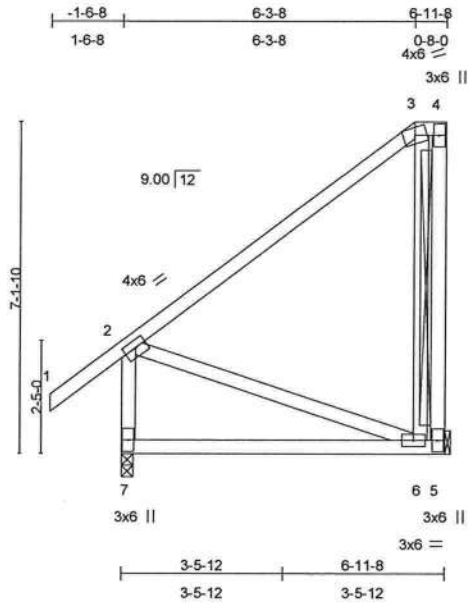
LOAD CASE(S) Standard

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

January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	EJ7C	MONO HIP	1	1	J1921258
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:01 2007 Page 1



Scale = 1:46.7

Plate Offsets (X,Y): [2:0-3-0,0-1-12]

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)	-0.04	6-7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.15	Vert(TL)	-0.07	6-7	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.20	Horz(TL)	-0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 58 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*
4-5 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-7-10 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-5
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 7=316/0-3-0, 5=202/Mechanical
Max Horz 7=264(load case 6)
Max Uplift 7=-15(load case 6), 5=-168(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-7=-271/51, 1-2=0/55, 2-3=-139/61, 3-4=-25/29, 4-5=-120/73
BOT CHORD 6-7=-408/70, 5-6=-24/22
WEBS 2-6=-48/399, 3-6=-238/328

JOINT STRESS INDEX
2 = 0.71, 3 = 0.65, 4 = 0.25, 5 = 0.26, 6 = 0.17 and 7 = 0.27

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Florida PE No. 34869
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Boynton Beach, FL 33435

Continued on page 2

January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	EJ7C	MONO HIP	1	1	J1921258
					Job Reference (optional)

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; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
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 at joint(s) 7.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 15 lb uplift at joint 7 and 168 lb uplift at joint 5.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34169
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	EJ7D	JACK	12	1	J1921259
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:02 2007 Page 1

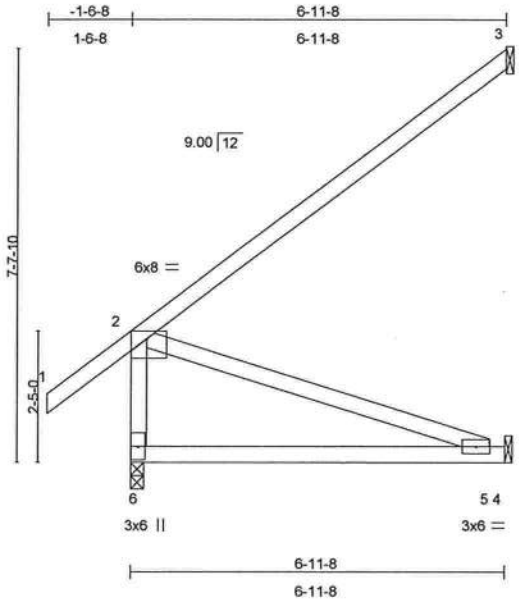

Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.68	Vert(LL)	-0.06	5-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.26	Vert(TL)	-0.11	5-6	>747	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.13	Horz(TL)	-0.01	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 39 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 9-1-12 oc bracing.

REACTIONS (lb/size) 6=319/0-3-0, 3=144/Mechanical, 4=61/Mechanical
Max Horz 6=278(load case 6)
Max Uplift 6=-3(load case 6), 3=-111(load case 6), 4=-77(load case 6)
Max Grav 6=319(load case 1), 3=144(load case 1), 4=110(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-6=-274/41, 1-2=0/55, 2-3=-143/64
BOT CHORD 5-6=-476/114, 4-5=0/0
WEBS 2-5=-120/503

JOINT STRESS INDEX
2 = 0.50, 5 = 0.13 and 6 = 0.37

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; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
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

Continued on page 2

Julius Lee
Truss Design Engineer
Florida PE# No. 34-65648
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	EJ7D	JACK	12	1	J1921259 Job Reference (optional)

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 6.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 3 lb uplift at joint 6, 111 lb uplift at joint 3 and 77 lb uplift at joint 4.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1405 Coastal Bay Blvd
Boynton Beach, FL 33435

January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	EJ7E	SPECIAL	7	1	J1921260
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:02 2007 Page 1

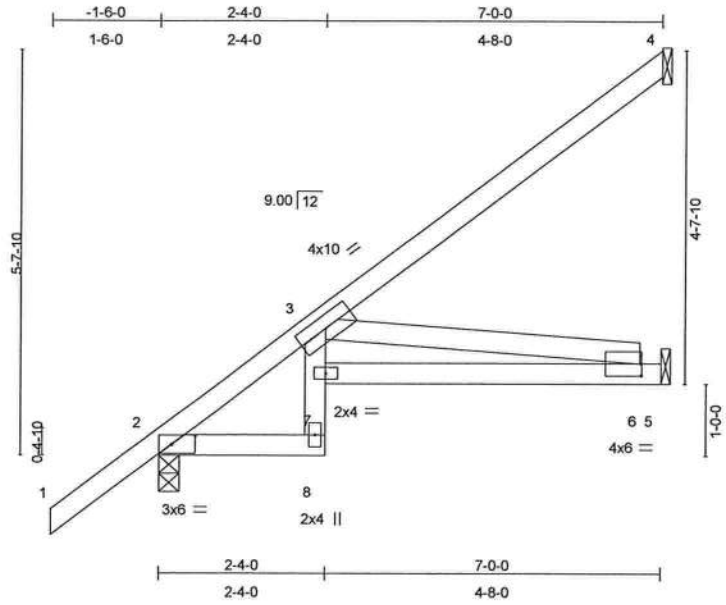

Plate Offsets (X,Y): [2:0-3-13,0-1-8], [6:0-0-4,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.22	Vert(LL)	0.04	6-7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.51	Vert(TL)	-0.05	6-7	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.21	Horz(TL)	0.02	5	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 *Except*
3-8 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
8-9-8 oc bracing: 6-7.

REACTIONS (lb/size) 4=104/Mechanical, 2=317/0-3-8, 5=102/Mechanical
Max Horz 2=223(load case 6)
Max Uplift 4=-79(load case 6), 2=-77(load case 6), 5=-33(load case 6)
Max Grav 4=104(load case 1), 2=317(load case 1), 5=117(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-272/0, 3-4=-103/47
BOT CHORD 2-8=-158/164, 7-8=-2/53, 3-7=0/137, 6-7=-507/524, 5-6=0/0
WEBS 3-6=-531/513

JOINT STRESS INDEX
2 = 0.45, 3 = 0.79, 6 = 0.17, 7 = 0.66 and 8 = 0.51

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

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January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
					J1921260
L262683	EJ7E	SPECIAL	7	1	Job Reference (optional)

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 79 lb uplift at joint 4, 77 lb uplift at joint 2 and 33 lb uplift at joint 5.

LOAD CASE(S) Standard

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

January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	EJ7F	JACK	10	1	J1921261
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:03 2007 Page 1

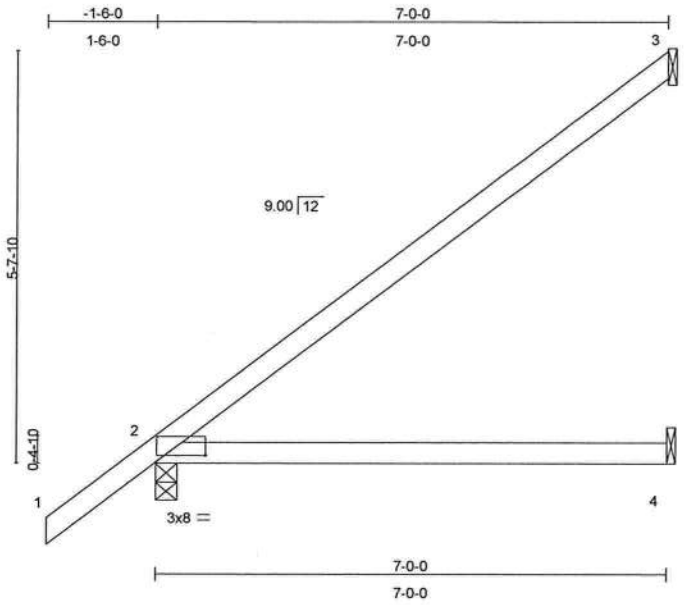

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Plate Offsets (X,Y): [2:0-8-3,0-1-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.42	Vert(LL)	0.11	2-4	>773	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.29	Vert(TL)	-0.17	2-4	>469	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 27 lb	

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

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

REACTIONS (lb/size) 3=157/Mechanical, 2=317/0-3-8, 4=50/Mechanical
Max Horz 2=223(load case 6)
Max Uplift 3=-118(load case 6), 2=-77(load case 6)
Max Grav 3=157(load case 1), 2=317(load case 1), 4=96(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-155/74
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.71

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 118 lb uplift at joint 3 and 77 lb uplift at joint 2.

Continued on page 2

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

January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
					J1921261
L262683	EJ7F	JACK	10	1	Job Reference (optional)

LOAD CASE(S) Standard

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

January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	HJ5	MONO TRUSS	2	1	J1921262
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:03 2007 Page 1

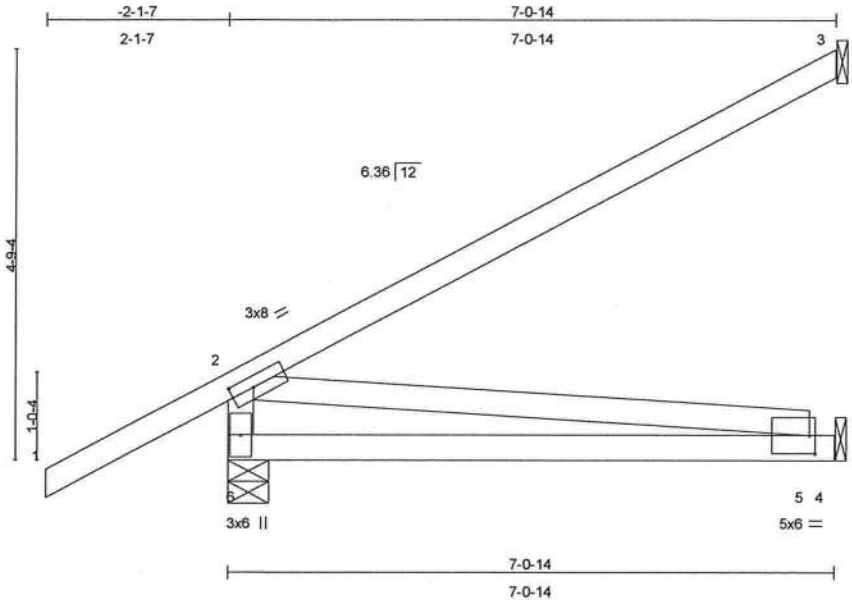

Plate Offsets (X,Y): [2:0-3-3,0-1-8], [5:0-0-12,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.53	Vert(LL)	0.09	5-6	>946	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.33	Vert(TL)	-0.11	5-6	>770	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.17	Horz(TL)	-0.01	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 37 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 7-0-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-9-13 oc bracing.

REACTIONS (lb/size) 6=277/0-5-11, 3=185/Mechanical, 4=56/Mechanical
Max Horz 6=243(load case 5)
Max Uplift 6=-209(load case 5), 3=-186(load case 5), 4=-92(load case 5)
Max Grav 6=277(load case 1), 3=185(load case 1), 4=113(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-6=-250/121, 1-2=0/57, 2-3=-112/57
BOT CHORD 5-6=-381/207, 4-5=0/0
WEBS 2-5=-208/384

JOINT STRESS INDEX
2 = 0.76, 5 = 0.12 and 6 = 0.41

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; end vertical left exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

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

January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	HJ5	MONO TRUSS	2	1	J1921262 Job Reference (optional)

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 209 lb uplift at joint 6, 186 lb uplift at joint 3 and 92 lb uplift at joint 4.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-54
   Trapezoidal Loads (plf)
   Vert: 2=-2(F=26, B=26)-to-3=-95(F=-21, B=-21), 6=0(F=5, B=5)-to-4=-18(F=-4, B=-4)

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January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	HJ7	SPECIAL	1	1	J1921263
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:04 2007 Page 1

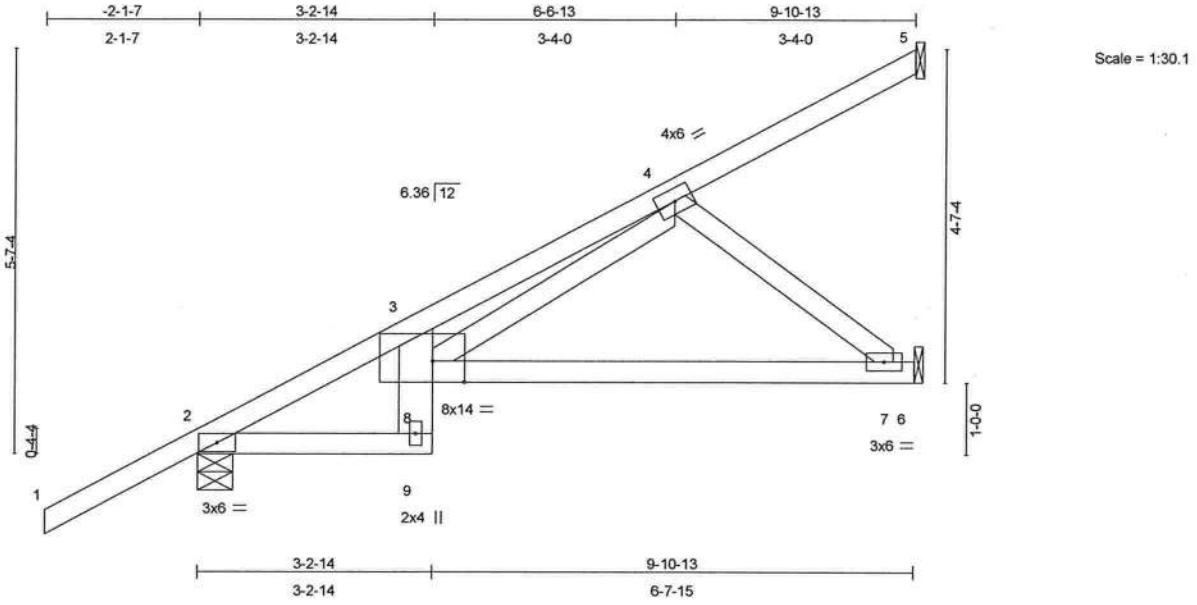


Plate Offsets (X,Y): [8:0-5-4,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	-0.08	7-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.39	Vert(TL)	-0.18	7-8	>625	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.23	Horz(TL)	0.03	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 50 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
3-9 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 8-9.

REACTIONS (lb/size) 5=161/Mechanical, 2=279/0-5-11, 6=314/Mechanical
Max Horz 2=312(load case 5)
Max Uplift 5=-182(load case 5), 2=-73(load case 5), 6=-194(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/53, 2-3=-263/0, 3-4=-850/107, 4-5=-112/55
BOT CHORD 2-9=-84/211, 8-9=-30/61, 3-8=-245/125, 7-8=-294/337, 6-7=0/0
WEBS 4-7=-432/377, 4-8=-70/716

JOINT STRESS INDEX
2 = 0.60, 3 = 0.00, 4 = 0.35, 7 = 0.14, 8 = 0.25 and 9 = 0.42

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 182 lb uplift at joint 5, 73 lb uplift at joint 2 and 194 lb uplift at joint 6.

Continued on page 2

julius Lee
Truss Design Engineer
Florida PE# No. 34183
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
					J1921263
L262683	HJ7	SPECIAL	1	1	Job Reference (optional)

NOTES

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

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-2=-54

Trapezoidal Loads (plf)

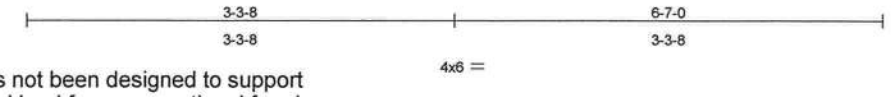
Vert: 2=51(F=25, B=25)-to-3=13(F=7, B=7), 3=-41(F=7, B=7)-to-5=-134(F=-40, B=-40), 2=-0(F=5, B=5)-to-9=-7(F=1, B=1), 8=-7(F=1, B=1)-to-6=-25(F=-7, B=-7)

Julius Lee
Truss Design Engineer
Florida PE No. 34836
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

January 2,2008

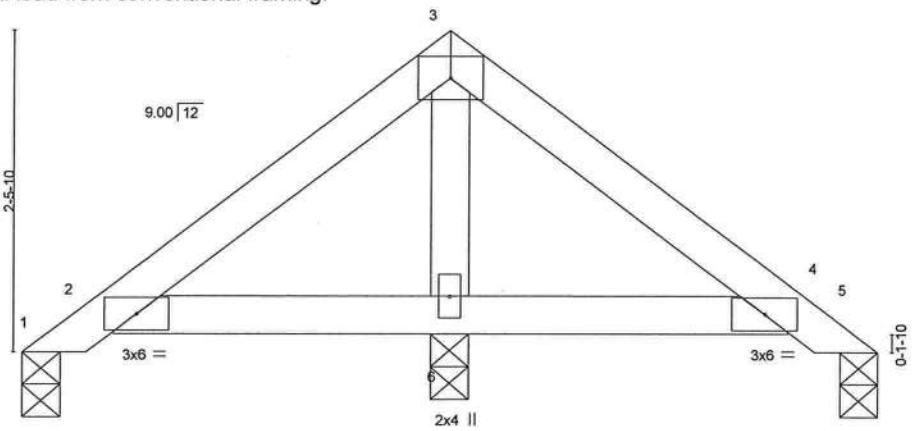
Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	PB1	PIGGYBACK	11	1	J1921264
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:04 2007 Page 1



Scale = 1:16.7

Warning: This truss has not been designed to support any additional load from conventional framing.



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.08	Vert(LL)	-0.00	4-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.06	Vert(TL)	-0.00	4-6	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 22 lb	

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

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

REACTIONS (lb/size) 1=40/0-3-8, 5=40/0-3-8, 6=325/0-3-8
Max Horz 1=-66(load case 4)
Max Uplift 1=-8(load case 7), 5=-23(load case 4), 6=-74(load case 6)
Max Grav 1=59(load case 10), 5=59(load case 11), 6=325(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-58/62, 2-3=-49/131, 3-4=-49/131, 4-5=-30/17
BOT CHORD 2-6=-64/98, 4-6=-64/98
WEBS 3-6=-262/174

JOINT STRESS INDEX
2 = 0.21, 3 = 0.17, 4 = 0.21 and 6 = 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) *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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January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
					J1921264
L262683	PB1	PIGGYBACK	11	1	Job Reference (optional)

NOTES

5) Bearing at joint(s) 1, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 8 lb uplift at joint 1, 23 lb uplift at joint 5 and 74 lb uplift at joint 6.
7) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

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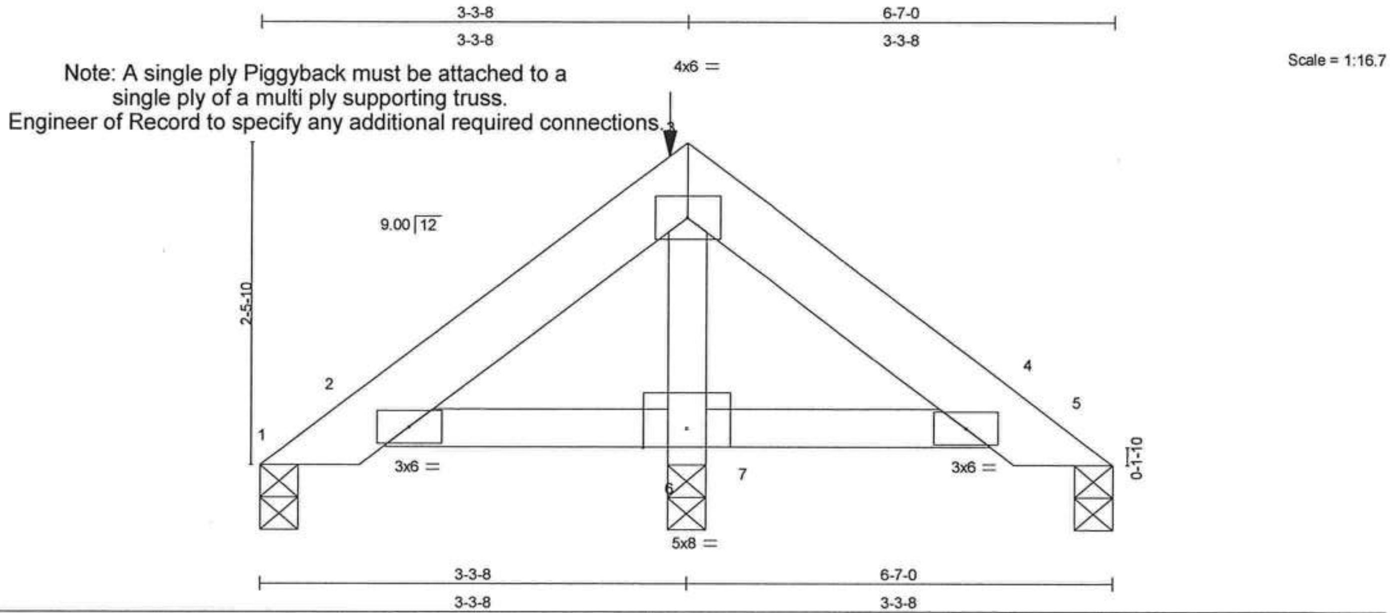
January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE J1921265
L262683	PB1A	PIGGYBACK	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 02 10:55:20 2008 Page 1



LOADING (psf)		SPACING	2-10-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.06	Vert(LL)	-0.00	2	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	-0.00	2	>999	240		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.15	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 29 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD 2-0-0 oc purlins (6-0-0 max.)
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 3, 4

REACTIONS (lb/size) 1=111/0-3-8, 5=111/0-3-8, 7=787/0-3-8
Max Horz 1=93(load case 5)
Max Uplift 1=-29(load case 7), 5=-40(load case 7), 7=-190(load case 6)
Max Grav 1=129(load case 10), 5=130(load case 11), 7=787(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-82/95, 2-3=-40/88, 3-4=-41/87, 4-5=-61/42
BOT CHORD 2-6=-19/77, 4-6=-17/77
WEBS 6-7=-787/424, 3-6=-706/412

JOINT STRESS INDEX
2 = 0.20, 3 = 0.34, 4 = 0.20 and 6 = 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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 1, 5, 7 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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January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	PB1A	PIGGYBACK	4	1	J1921265 Job Reference (optional)

NOTES

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 29 lb uplift at joint 1, 40 lb uplift at joint 5 and 190 lb uplift at joint 7.
7) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS
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=-93, 2-3=-77, 3-4=-76, 4-5=-93, 2-4=-14
   Concentrated Loads (lb)
   Vert: 3=-435(F)

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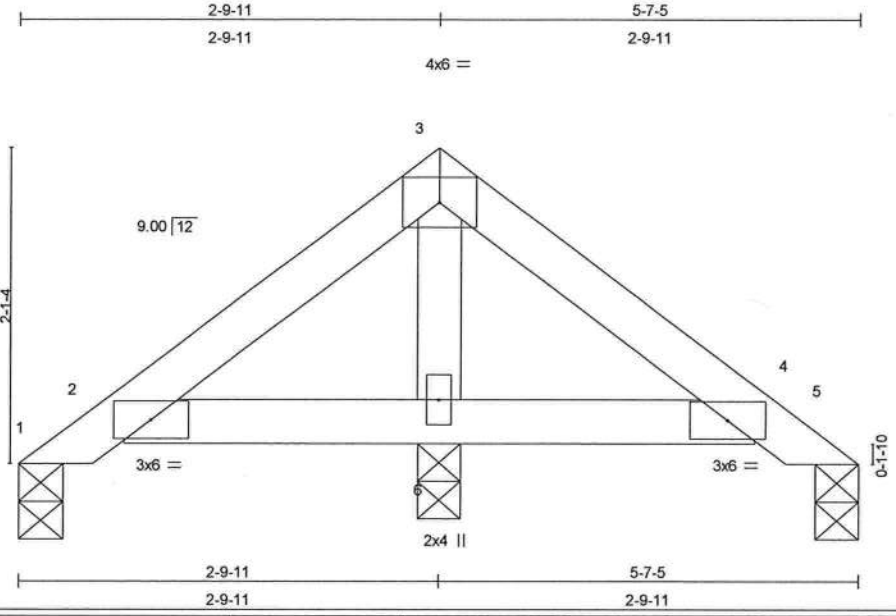
January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	PB1G	PIGGYBACK	1	1	J1921266
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 02 10:38:02 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	4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.11	Vert(TL)	-0.01	4-6	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.08	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 19 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-7-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 1=92/0-3-8, 5=92/0-3-8, 6=620/0-3-8
Max Horz 1=-69(load case 4)
Max Uplift 1=-44(load case 7), 5=-52(load case 7), 6=-289(load case 6)
Max Grav 1=107(load case 10), 5=107(load case 11), 6=620(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-56/68, 2-3=-104/245, 3-4=-104/245, 4-5=-53/28
BOT CHORD 2-6=-110/113, 4-6=-110/113
WEBS 3-6=-516/310

JOINT STRESS INDEX
2 = 0.38, 3 = 0.30, 4 = 0.38 and 6 = 0.19

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 1, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

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January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
					J1921266
L262683	PB1G	PIGGYBACK	1	1	Job Reference (optional)

NOTES

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 44 lb uplift at joint 1, 52 lb uplift at joint 5 and 289 lb uplift at joint 6.
7) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
9) Truss designed for wind loads in plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail".

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-153(F=-87), 2-3=-141(F=-87), 3-4=-141(F=-87), 4-5=-153(F=-87), 2-4=-10

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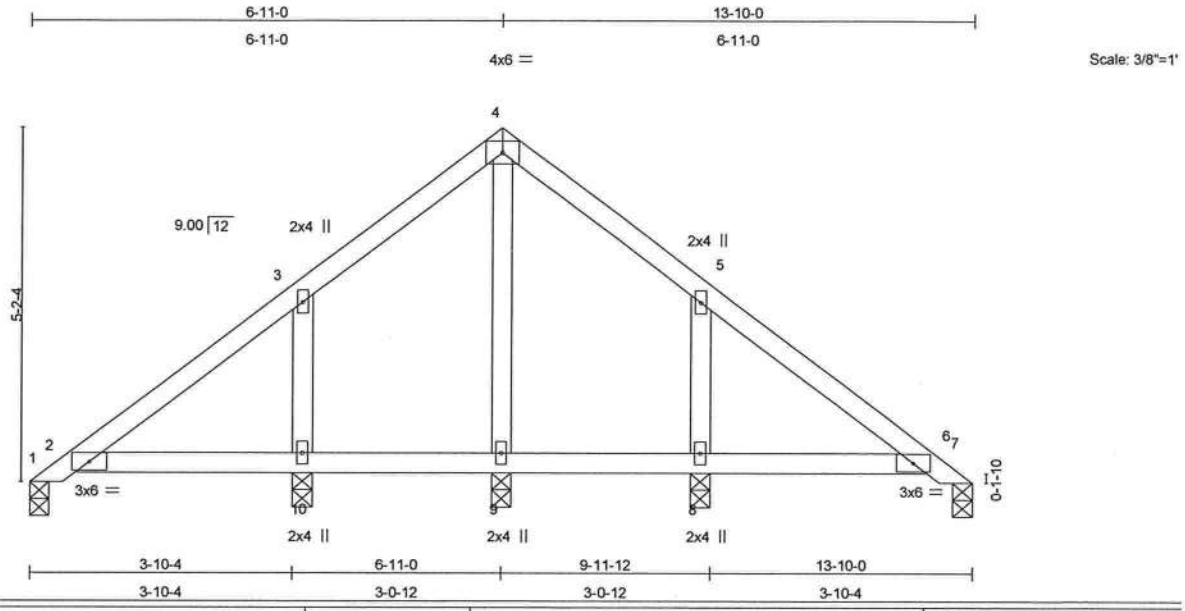
January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	PB2	PIGGYBACK	8	1	J1921267 Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:06 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.11	Vert(LL)	-0.01	6-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	-0.01	6-8	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.10	Horz(TL)	0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 58 lb	

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

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

REACTIONS (lb/size) 1=55/0-3-8, 7=55/0-3-8, 9=254/0-3-8, 10=252/0-3-8, 8=252/0-3-8
Max Horz 1=141(load case 5)
Max Uplift 1=-39(load case 4), 9=-1(load case 5), 10=-137(load case 6), 8=-131(load case 7)
Max Grav 1=68(load case 10), 7=68(load case 11), 9=254(load case 1), 10=259(load case 10), 8=259(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-149/144, 2-3=-120/153, 3-4=-30/131, 4-5=-2/131, 5-6=-96/153, 6-7=-35/5
BOT CHORD 2-10=-72/141, 9-10=-72/141, 8-9=-72/141, 6-8=-72/141
WEBS 4-9=-244/34, 3-10=-199/209, 5-8=-199/209

JOINT STRESS INDEX
2 = 0.26, 3 = 0.10, 4 = 0.13, 5 = 0.10, 6 = 0.26, 8 = 0.12, 9 = 0.09 and 10 = 0.12

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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January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
					J1921267
L262683	PB2	PIGGYBACK	8	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) 1, 7 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 39 lb uplift at joint 1, 1 lb uplift at joint 9, 137 lb uplift at joint 10 and 131 lb uplift at joint 8.
7) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

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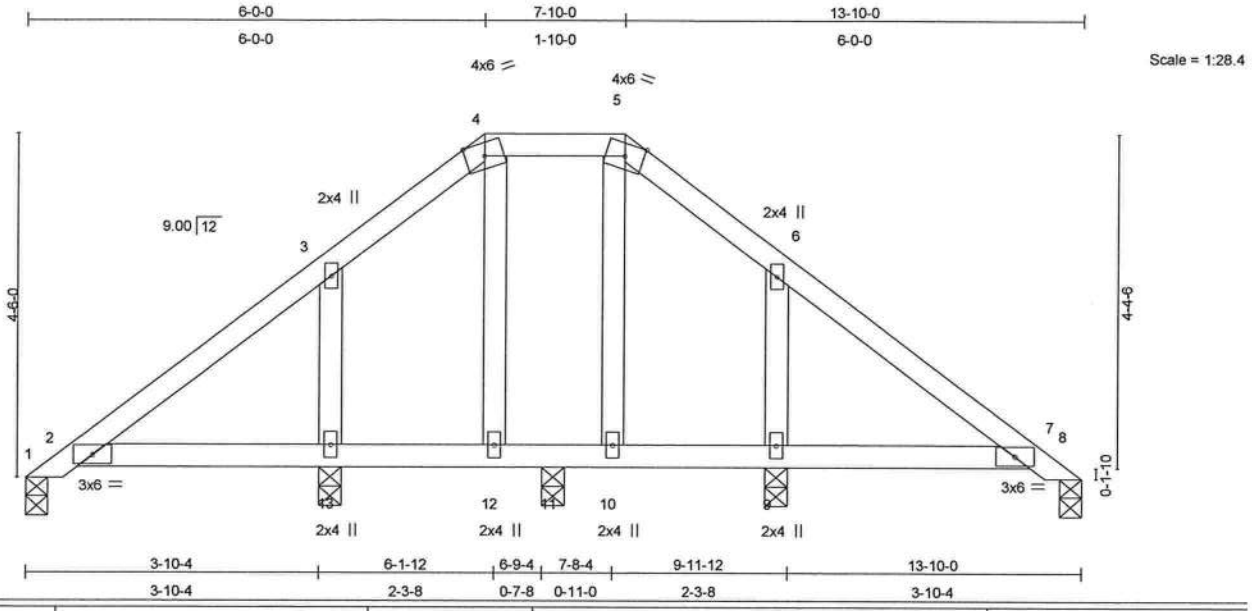
January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	PB2A	HIP CAP	1	1	J1921268
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:07 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.10	Vert(LL)	-0.01	7-9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.11	Vert(TL)	-0.01	7-9	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.01	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 62 lb	

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

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

REACTIONS (lb/size) 1=60/0-3-8, 8=60/0-3-8, 13=259/0-3-8, 9=259/0-3-8, 11=230/0-3-8
Max Horz 1=-122(load case 4)
Max Uplift 1=-31(load case 4), 8=-7(load case 4), 13=-129(load case 6), 9=-121(load case 7), 11=-32(load case 5)
Max Grav 1=76(load case 10), 8=76(load case 11), 13=262(load case 10), 9=262(load case 11), 11=230(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-125/124, 2-3=-93/140, 3-4=-11/96, 5-6=-1/96, 6-7=-92/140, 7-8=-39/8, 4-5=0/67
BOT CHORD 2-13=-62/139, 12-13=-62/139, 11-12=-67/140, 10-11=-67/140, 9-10=-62/139, 7-9=-62/139
WEBS 4-12=-127/40, 5-10=-127/38, 3-13=-181/193, 6-9=-181/193

JOINT STRESS INDEX
2 = 0.30, 3 = 0.10, 4 = 0.05, 5 = 0.05, 6 = 0.10, 7 = 0.30, 9 = 0.11, 10 = 0.04, 12 = 0.04 and 13 = 0.11

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.

Continued on page 2

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January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	PB2A	HIP CAP	1	1	J1921268 Job Reference (optional)

NOTES

3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Bearing at joint(s) 1, 8 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 31 lb uplift at joint 1, 7 lb uplift at joint 8, 129 lb uplift at joint 13, 121 lb uplift at joint 9 and 32 lb uplift at joint 11.
8) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

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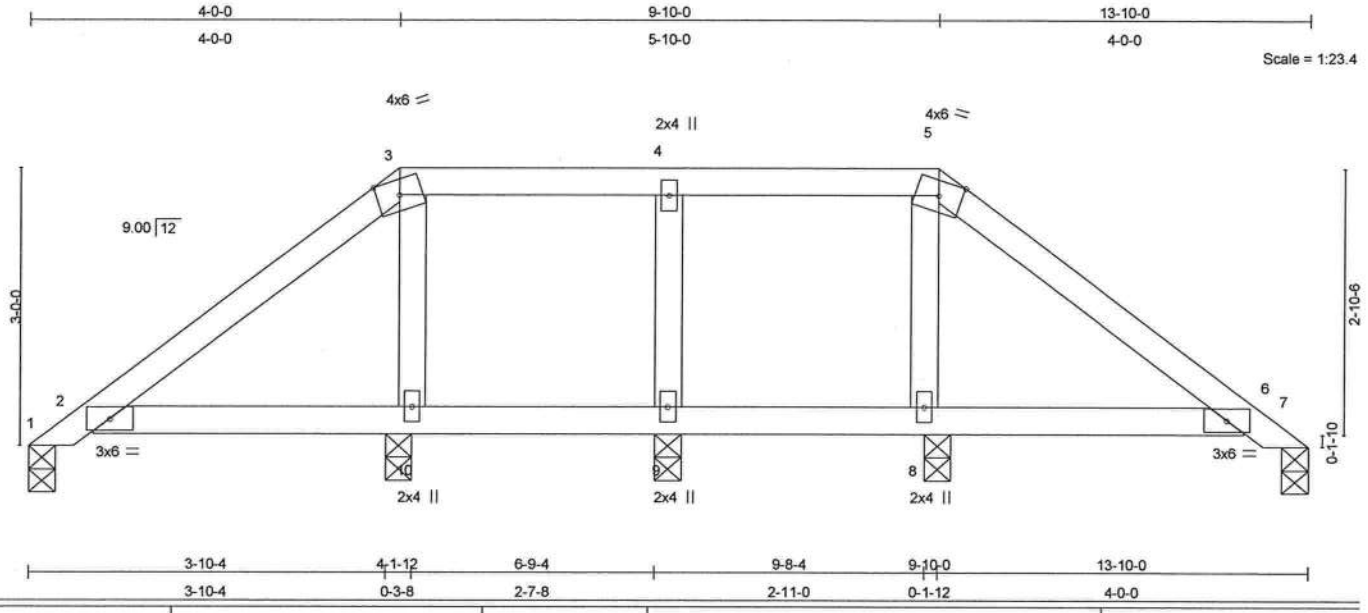
January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	PB2B	HIP CAP	1	1	J1921269
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:08 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.12	Vert(LL)	-0.01	6-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	-0.01	2-10	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	7	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 6-0-0 oc bracing.

REACTIONS (lb/size) 1=42/0-3-8, 7=42/0-3-8, 10=318/0-3-8, 8=318/0-3-8, 9=148/0-3-8
Max Horz 1=81(load case 5)
Max Uplift 1=-11(load case 4), 7=-25(load case 4), 10=-98(load case 5), 8=-77(load case 7), 9=-76(load case 4)
Max Grav 1=66(load case 10), 7=66(load case 11), 10=318(load case 1), 8=318(load case 1), 9=168(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-74/79, 2-3=-72/180, 5-6=-72/180, 6-7=-34/18, 3-4=-1/109, 4-5=-1/109
BOT CHORD 2-10=-94/122, 9-10=-109/133, 8-9=-109/133, 6-8=-94/122
WEBS 3-10=-261/184, 5-8=-261/184, 4-9=-155/110

JOINT STRESS INDEX
2 = 0.26, 3 = 0.32, 4 = 0.06, 5 = 0.32, 6 = 0.26, 8 = 0.10, 9 = 0.06 and 10 = 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.

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January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	PB2B	HIP CAP	1	1	J1921269 Job Reference (optional)

NOTES

4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Bearing at joint(s) 1, 7 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 11 lb uplift at joint 1, 25 lb uplift at joint 7, 98 lb uplift at joint 10, 77 lb uplift at joint 8 and 76 lb uplift at joint 9.
8) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

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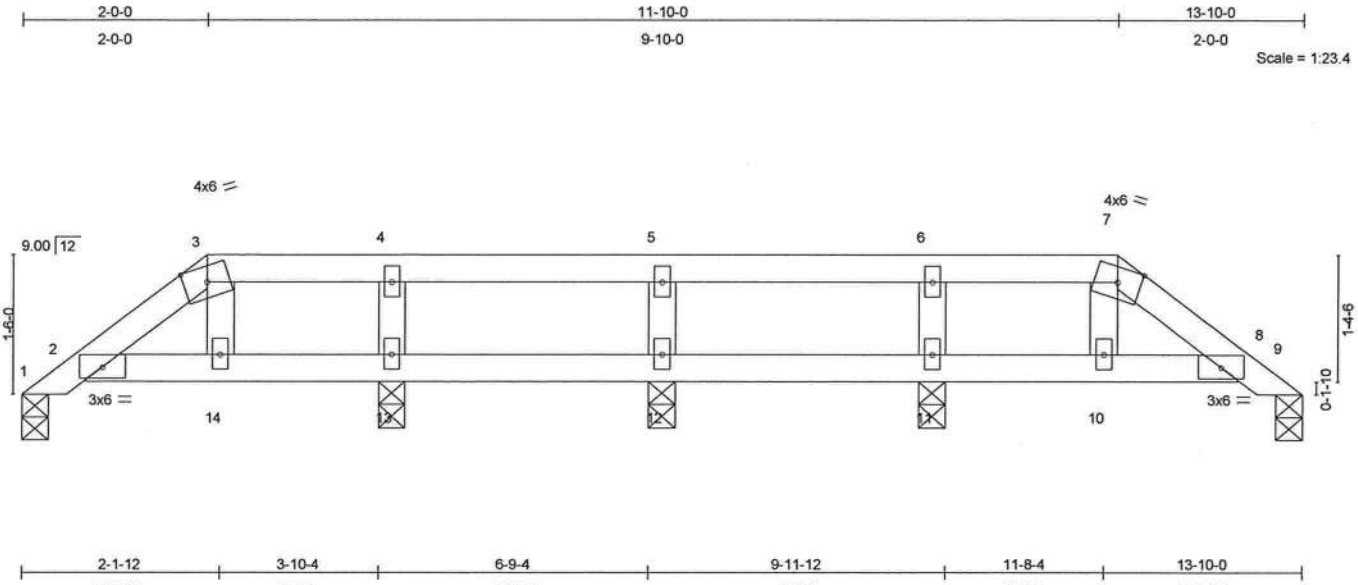
January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	PB2C	HIP CAP	1	1	J1921270
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:09 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.11	Vert(LL)	-0.01	10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	-0.01	10	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.03	Horz(TL)	0.01	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 46 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.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=131/0-3-8, 9=131/0-3-8, 13=225/0-3-8, 12=157/0-3-8, 11=225/0-3-8
Max Horz 1=39(load case 5)
Max Uplift 1=-26(load case 6), 9=-29(load case 7), 13=-89(load case 5), 12=-70(load case 4), 11=-79(load case 4)
Max Grav 1=131(load case 1), 9=131(load case 1), 13=229(load case 10), 12=165(load case 10), 11=229(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-69/43, 2-3=-129/73, 7-8=-129/73, 8-9=-69/43, 3-4=-93/81, 4-5=-93/82, 5-6=-93/82, 6-7=-93/81
BOT CHORD 2-14=-25/93, 13-14=-22/93, 12-13=-22/93, 11-12=-22/93, 10-11=-22/93, 8-10=-23/93
WEBS 3-14=-7/32, 7-10=-7/32, 4-13=-166/131, 5-12=-151/133, 6-11=-166/131

JOINT STRESS INDEX
2 = 0.24, 3 = 0.04, 4 = 0.07, 5 = 0.07, 6 = 0.07, 7 = 0.04, 8 = 0.24, 10 = 0.02, 11 = 0.07, 12 = 0.07, 13 = 0.07 and 14 = 0.02

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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January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
					J1921270
L262683	PB2C	HIP CAP	1	1	Job Reference (optional)

NOTES

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 plates are 2x4 MT20 unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Bearing at joint(s) 1, 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 26 lb uplift at joint 1, 29 lb uplift at joint 9, 89 lb uplift at joint 13, 70 lb uplift at joint 12 and 79 lb uplift at joint 11.
9) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

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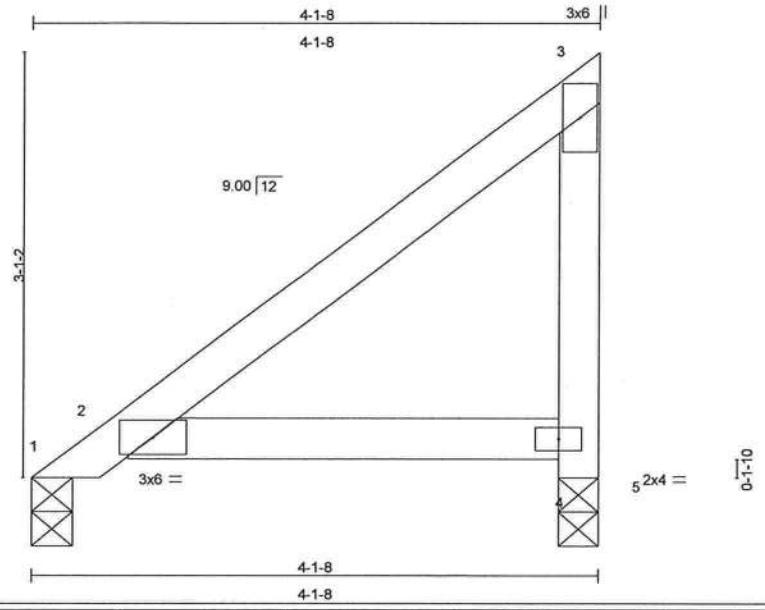
January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	PB3	MONO PIGGYBACK	13	1	J1921271
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:10 2007 Page 1



Scale = 1:15.8

LOADING (psf)		SPACING	2-7-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.24	Vert(LL)	0.02	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.17	Vert(TL)	-0.02	2-4	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.00	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 16 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 2-0-0 oc purlins, except end verticals (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 3

REACTIONS (lb/size) 1=160/0-3-8, 5=159/0-3-8
Max Horz 1=119(load case 6)
Max Uplift 5=-88(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-148/0, 2-3=-99/27, 4-5=-159/161, 3-4=-100/131
BOT CHORD 2-4=-44/43

JOINT STRESS INDEX
2 = 0.52, 3 = 0.25 and 4 = 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) Bearing at joint(s) 1, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

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January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
					J1921271
L262683	PB3	MONO PIGGYBACK	13	1	Job Reference (optional)

NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 88 lb uplift at joint 5.
6) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

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

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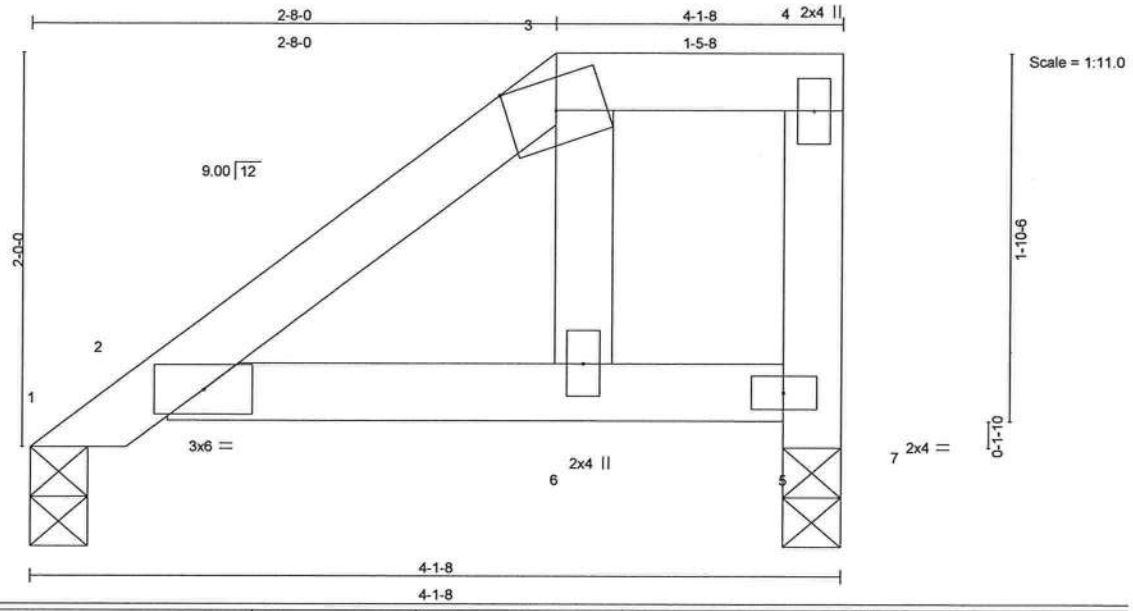
January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE J1921272
L262683	PB3B	MONO HIP PIGGYBACK	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:10 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.15	Vert(LL)	-0.01	2-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	-0.01	2-6	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.01	Horz(TL)	-0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 16 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-1-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=124/0-3-8, 7=123/0-3-8
Max Horz 1=62(load case 6)
Max Uplift 1=-15(load case 6), 7=-37(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-65/0, 2-3=-91/20, 3-4=-53/51, 5-7=-123/119, 4-5=-65/68
BOT CHORD 2-6=-57/55, 5-6=-52/53
WEBS 3-6=-26/54

JOINT STRESS INDEX
2 = 0.26, 3 = 0.03, 4 = 0.39, 5 = 0.53 and 6 = 0.03

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) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 1, 7 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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January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	PB3B	MONO HIP PIGGYBACK	1	1	J1921272 Job Reference (optional)

NOTES

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 15 lb uplift at joint 1 and 37 lb uplift at joint 7.
7) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

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January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T01	COMMON	1	1	J1921273
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:11 2007 Page 1

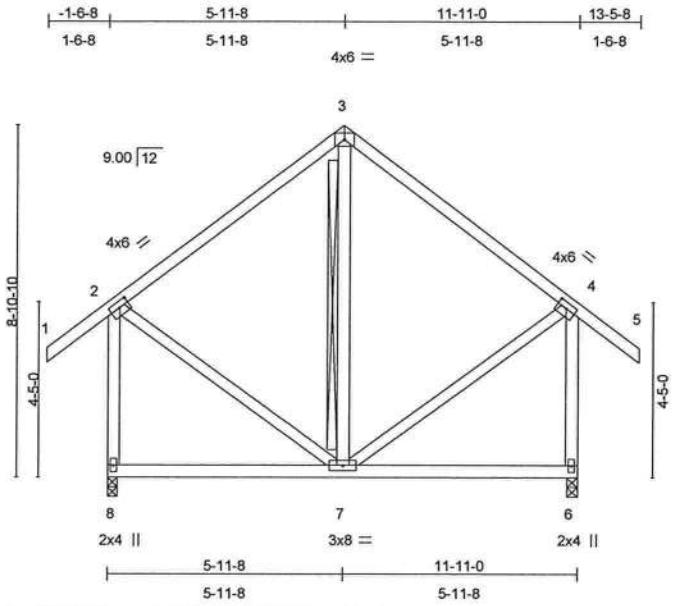

Plate Offsets (X,Y): [2:0-3-0,0-1-12], [4:0-3-0,0-1-12]

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)	-0.02	7-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.14	Vert(TL)	-0.03	7-8	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.09	Horz(TL)	0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 91 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.
WEBS T-Brace: 2 X 4 SYP No.3 - 3-7
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 8=463/0-3-0, 6=463/0-3-0
Max Horz 8=288(load case 5)
Max Uplift 8=-119(load case 6), 6=-119(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/55, 2-3=-265/268, 3-4=-265/268, 4-5=0/55, 2-8=-434/309, 4-6=-434/309
BOT CHORD 7-8=-251/272, 6-7=-16/87
WEBS 3-7=-118/71, 2-7=-104/186, 4-7=-104/187

JOINT STRESS INDEX
2 = 0.65, 3 = 0.54, 4 = 0.65, 6 = 0.49, 7 = 0.14 and 8 = 0.49

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

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January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T01	COMMON	1	1	J1921273 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 and C-C Exterior(2) zone; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 119 lb uplift at joint 8 and 119 lb uplift at joint 6.

LOAD CASE(S) Standard

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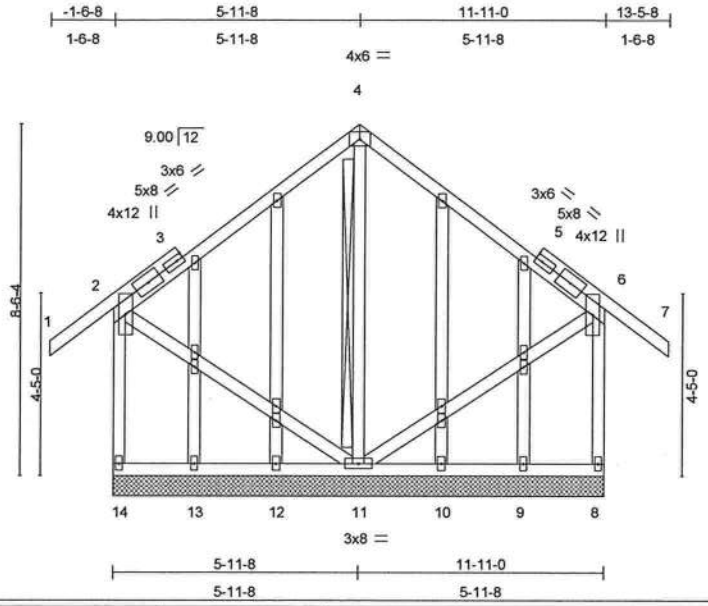
January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T01G	GABLE	1	1	J1921274
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:12 2007 Page 1



Scale = 1:52.7

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.35	Vert(LL)	0.02	6-7	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	0.03	6-7	n/r	90		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.15	Horz(TL)	0.00	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 128 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 6-0-0 oc bracing.
WEBS	T-Brace: 2 X 4 SYP No.3 - 4-11 Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance. Brace must cover 90% of web length.

REACTIONS (lb/size) 14=206/11-11-0, 8=206/11-11-0, 11=465/11-11-0, 12=25/11-11-0, 13=-1/11-11-0, 10=25/11-11-0, 9=-1/11-11-0
Max Horz 14=-354(load case 4)
Max Uplift 14=-75(load case 6), 8=-76(load case 7), 11=-334(load case 6), 13=-8(load case 10), 9=-8(load case 11)
Max Grav 14=239(load case 10), 8=239(load case 11), 11=465(load case 1), 12=61(load case 2), 13=57(load case 2), 10=61(load case 2), 9=57(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/48, 2-3=-64/60, 3-4=-19/139, 4-5=-18/139, 5-6=-64/60, 6-7=0/48, 2-14=-208/117, 6-8=-208/117
BOT CHORD	13-14=-322/329, 12-13=-322/329, 11-12=-322/329, 10-11=-23/68, 9-10=-23/68, 8-9=-23/68
WEBS	4-11=-370/126, 2-11=-123/260, 6-11=-124/261

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January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
					J1921274
L262683	T01G	GABLE	1	1	Job Reference (optional)

JOINT STRESS INDEX

2 = 0.72, 3 = 0.19, 3 = 0.00, 3 = 0.00, 3 = 0.26, 4 = 0.62, 5 = 0.19, 5 = 0.00, 5 = 0.26, 5 = 0.00, 6 = 0.72, 8 = 0.35, 9 = 0.00, 10 = 0.00, 11 = 0.19, 12 = 0.00, 13 = 0.00, 14 = 0.35, 15 = 0.00, 15 = 0.00, 16 = 0.00, 17 = 0.00, 17 = 0.00, 18 = 0.00, 19 = 0.00, 19 = 0.00, 20 = 0.00 and 20 = 0.00

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; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 75 lb uplift at joint 14, 76 lb uplift at joint 8, 334 lb uplift at joint 11, 8 lb uplift at joint 13 and 8 lb uplift at joint 9.

LOAD CASE(S) Standard

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January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T02	ATTIC	7	1	J1921275
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:14 2007 Page 1

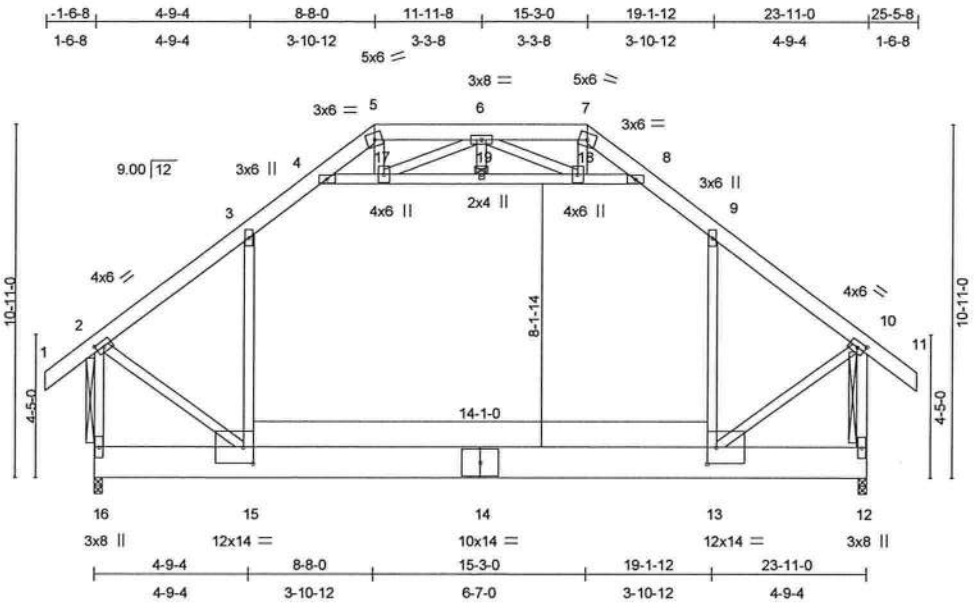

Plate Offsets (X,Y): [2:0-2-14,0-2-0], [10:0-2-14,0-2-0], [13:0-3-8,0-6-0], [15:0-3-8,0-6-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	-0.17	13-15	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.47	Vert(TL)	-0.27	13-15	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.42	Horz(TL)	0.01	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 264 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 12 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, and 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 9-11-1 oc bracing.
WEBS 1 Row at midpt 4-8
T-Brace: 2 X 4 SYP No.3 - 2-16, 10-12
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 16=1710/0-3-0, 12=1710/0-3-0
Max Horz 16=328(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/55, 2-3=-1463/189, 3-4=-1122/315, 4-5=-229/243, 5-6=-60/275, 6-7=-60/275, 7-8=-229/242, 8-9=-1122/315, 9-10=-1463/189, 10-11=0/55, 2-16=-1954/220, 10-12=-1954/220
BOT CHORD 15-16=-284/312, 14-15=-27/1058, 13-14=-27/1058, 12-13=-16/77
WEBS 3-15=-12/446, 9-13=-12/446, 4-17=-1083/121, 17-19=-864/8, 18-19=-864/8, 8-18=-1083/121, 5-17=-37/226, 7-18=-37/226, 6-19=0/31, 6-17=-403/128, 6-18=-403/127, 2-15=-14/1322, 10-13=-14/1322

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January 2,2008

Continued on page 2

JOINT STRESS INDEX

2 = 0.74, 3 = 0.18, 4 = 0.36, 5 = 0.41, 6 = 0.56, 7 = 0.41, 8 = 0.36, 9 = 0.18, 10 = 0.74, 12 = 0.31, 13 = 0.21, 14 = 0.46, 15 = 0.21, 16 = 0.31, 17 = 0.33, 18 = 0.33 and 19 = 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; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) 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) Ceiling dead load (5.0 psf) on member(s). 3-4, 8-9, 4-17, 17-19, 18-19, 8-18; Wall dead load (5.0psf) on member(s).3-15, 9-13
6) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 13-15
7) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

LOAD CASE(S) Standard

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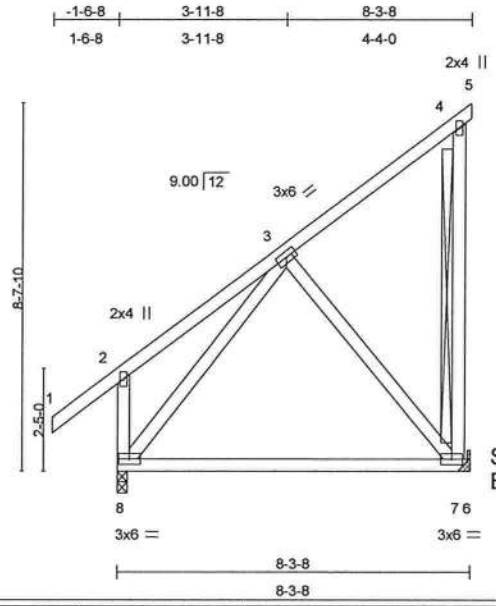
January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE J1921276
L262683	T02B	MONO TRUSS	3	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:14 2007 Page 1



Scale = 1:51.0

Simpson HTU26 into Beam by others.

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.54	Vert(LL)	-0.08	7-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.20	Vert(TL)	-0.14	7-8	>661	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.20	Horz(TL)	-0.00	7	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.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-7
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 8=352/0-3-0, 7=249/Mechanical
Max Horz 8=310(load case 6)
Max Uplift 7=-215(load case 6)

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 2-8=-208/297, 1-2=0/55, 2-3=-118/205, 3-4=-86/49, 4-5=-2/0, 4-7=-97/113
BOT CHORD 7-8=-196/97, 6-7=0/0
WEBS 3-8=-294/56, 3-7=-142/308

JOINT STRESS INDEX
2 = 0.67, 3 = 0.18, 4 = 0.38, 7 = 0.38 and 8 = 0.68

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January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
					J1921276
L262683	T02B	MONO TRUSS	3	1	Job Reference (optional)

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; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
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 215 lb uplift at joint 7.

LOAD CASE(S) Standard

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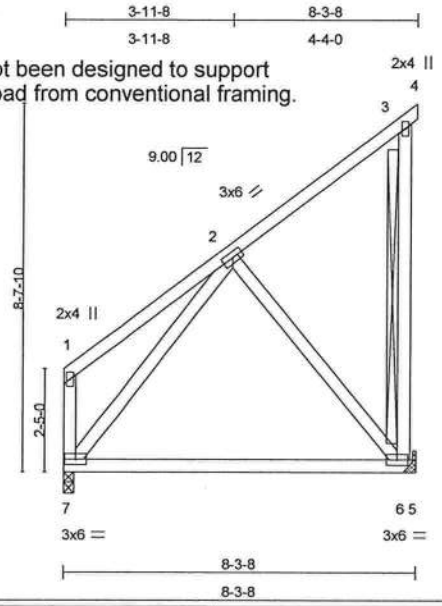
Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T02C	MONO TRUSS	3	1	J1921277
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:15 2007 Page 1

Warning: This truss has not been designed to support any additional load from conventional framing.



Scale = 1:51.0

Simpson HTU26 into Beam by others.

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.55	Vert(LL)	-0.08	6-7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.21	Vert(TL)	-0.14	6-7	>667	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.16	Horz(TL)	-0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 61 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.
WEBS T-Brace: 2 X 4 SYP No.3 - 3-6
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 7=251/0-3-0, 6=258/Mechanical
Max Horz 7=246(load case 6)
Max Uplift 6=-210(load case 6)

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 1-7=-127/146, 1-2=-124/146, 2-3=-85/48, 3-4=-2/0, 3-6=-95/110
BOT CHORD 6-7=-195/107, 5-6=0/0
WEBS 2-7=-231/62, 2-6=-158/307

JOINT STRESS INDEX
1 = 0.46, 2 = 0.17, 3 = 0.36, 6 = 0.38 and 7 = 0.68

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Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T02C	MONO TRUSS	3	1	J1921277 Job Reference (optional)

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; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
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 210 lb uplift at joint 6.

LOAD CASE(S) Standard

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January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T02G	GABLE	1	1	J1921278
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 02 10:39:57 2008 Page 1

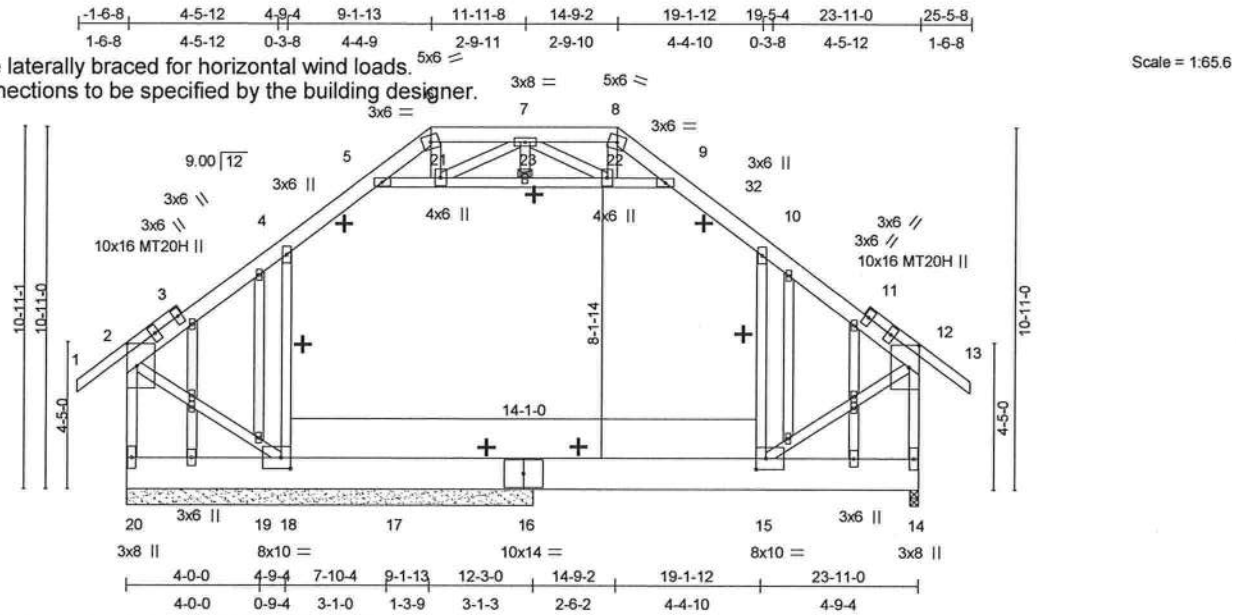

Plate Offsets (X,Y): [2:0-8-0,0-3-8], [12:0-8-0,0-3-8], [15:0-3-8,0-4-0], [18:0-3-8,0-4-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.54	Vert(LL)	-0.03	15-16	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.38	Vert(TL)	-0.05	15-16	>999	240	MT20H	187/143
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.37	Horz(TL)	0.01	14	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 289 lb	

LUMBER

TOP CHORD	2 X 6 SYP No.1D *Except* 1-3 2 X 4 SYP No.2, 11-13 2 X 4 SYP No.2
BOT CHORD	2 X 12 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, and 2-0-0 oc purlins (6-0-0 max.): 6-8.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 5-9

REACTIONS (lb/size) 20=1385/0-3-0, 16=1038/0-3-8, 14=1393/0-3-0, 17=131/0-3-8, 19=115/0-3-8
Max Horz 20=417(load case 5)
Max Uplift 20=-626(load case 4), 16=-9(load case 7), 14=-349(load case 7), 17=-176(load case 5), 19=-278(load case 5)
Max Grav 20=1385(load case 1), 16=1081(load case 12), 14=1393(load case 1), 17=221(load case 11), 19=420(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-6/66, 2-3=-974/437, 3-4=-907/432, 4-5=-993/456, 5-6=-665/455, 6-7=-534/459, 7-8=-626/407, 8-9=-771/452, 9-32=-907/471, 10-32=-1014/468, 10-11=-900/312, 11-12=-944/286, 12-13=0/45, 2-20=-1373/591, 12-14=-1271/387
BOT CHORD	19-20=-359/385, 18-19=-359/385, 17-18=-275/725, 16-17=-275/725, 15-16=-275/725, 14-15=-20/76
WEBS	4-18=-499/321, 10-15=-427/201, 5-21=-312/254, 21-23=-350/149, 22-23=-350/149, 9-22=-201/134, 6-21=-123/228, 8-22=-61/141, 7-23=0/25, 7-21=-397/275, 7-22=-232/163, 2-18=-481/932, 12-15=-319/927

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JOINT STRESS INDEX

2 = 0.44, 3 = 0.00, 3 = 0.34, 3 = 0.56, 3 = 0.56, 4 = 0.16, 5 = 0.15, 6 = 0.29, 7 = 0.57, 8 = 0.26, 9 = 0.15, 10 = 0.16, 11 = 0.00, 11 = 0.34, 11 = 0.43, 11 = 0.43, 12 = 0.38, 14 = 0.21, 15 = 0.15, 16 = 0.28, 18 = 0.15, 20 = 0.30, 21 = 0.33, 22 = 0.33, 23 = 0.34, 24 = 0.34, 25 = 0.34, 26 = 0.34, 26 = 0.34, 27 = 0.16, 28 = 0.34, 29 = 0.34, 30 = 0.16, 31 = 0.34 and 31 = 0.34

January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T02G	GABLE	1	1	J1921278
					Job Reference (optional)

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; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) 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) 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 plates are 2x4 MT20 unless otherwise indicated.
8) Gable studs spaced at 2-0-0 oc.
9) Ceiling dead load (5.0 psf) on member(s). 4-5, 9-10, 5-21, 21-23, 22-23, 9-22; Wall dead load (5.0psf) on member(s).4-18, 10-15
10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 17-18, 16-17, 15-16
11) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 626 lb uplift at joint 20, 9 lb uplift at joint 16, 349 lb uplift at joint 14, 176 lb uplift at joint 17 and 278 lb uplift at joint 19.
13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
14) Gable truss supports 1' 4" max. rake gable overhang.

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-79(F=-25), 2-4=-79(F=-25), 4-5=-89(F=-25), 5-6=-79(F=-25), 6-7=-79(F=-25), 7-8=-106, 8-9=-106, 9-32=-116, 10-32=-64, 10-12=-54, 12-13=-54, 18-20=-10, 15-18=-110, 14-15=-10, 5-9=-10
   Drag: 4-18=-10, 10-15=-10

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Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T03	ATTIC	3	2	J1921279
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 02 10:52:45 2008 Page 1

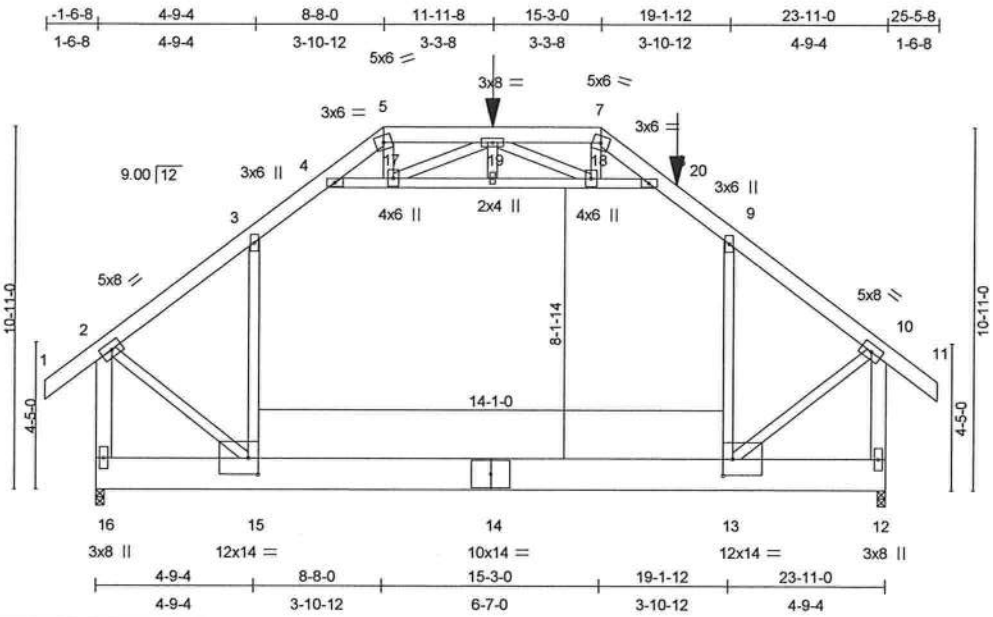

Plate Offsets (X,Y): [13:0-3-8,0-6-0], [15:0-3-8,0-6-0]

LOADING (psf)		SPACING	2-10-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.40	Vert(LL)	-0.12	13-15	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.52	Vert(TL)	-0.20	13-15	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.57	Horz(TL)	0.01	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 540 lb	

LUMBER

TOP CHORD	2 X 6 SYP No.1D
BOT CHORD	2 X 12 SYP No.2
WEBS	2 X 4 SYP No.3 *Except*
	2-16 2 X 6 SYP No.1D, 10-12 2 X 6 SYP No.1D

BRACING

TOP CHORD	2-0-0 oc purlins (6-0-0 max.), except end verticals (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS	1 Brace at Jt(s): 5, 7, 2, 10

REACTIONS (lb/size) 16=2826/0-3-0, 12=3866/0-3-0
Max Horz 16=466(load case 4)
Max Uplift 16=-86(load case 5), 12=-192(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/81, 2-3=-2566/98, 3-4=-2056/208, 4-5=-668/483, 5-6=-341/503, 6-7=-541/559, 7-8=-785/515, 8-20=-1909/198, 9-20=-2213/229, 9-10=-2744/93, 10-11=0/81, 2-16=-3429/134, 10-12=-3612/171
BOT CHORD	15-16=-403/476, 14-15=-150/1890, 13-14=-150/1890, 12-13=-10/208
WEBS	3-15=0/716, 9-13=-89/563, 4-17=-1704/64, 17-19=-1182/0, 18-19=-1182/0, 8-18=-1594/19, 5-17=-129/554, 7-18=-101/454, 6-19=0/39, 6-17=-1093/359, 6-18=-873/297, 2-15=-210/2383, 10-13=-183/2208

JOINT STRESS INDEX

2 = 0.66, 3 = 0.16, 4 = 0.29, 5 = 0.31, 6 = 0.57, 7 = 0.31, 8 = 0.29, 9 = 0.16, 10 = 0.66, 12 = 0.41, 13 = 0.20, 14 = 0.33, 15 = 0.20, 16 = 0.41, 17 = 0.34, 18 = 0.34 and 19 = 0.34

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January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T03	ATTIC	3	2	J1921279 Job Reference (optional)

NOTES

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
   Bottom chords connected as follows: 2 X 12 - 2 rows at 0-9-0 oc.
   Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
5) Provide adequate drainage to prevent water ponding.
6) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Ceiling dead load (5.0 psf) on member(s). 3-4, 8-9, 4-17, 17-19, 18-19, 8-18; Wall dead load (5.0psf) on member(s).3-15, 9-13
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 13-15
9) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 86 lb uplift at joint 16 and 192 lb uplift at joint 12.

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 Except:

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-77, 2-3=-77, 3-4=-91, 4-5=-77, 5-7=-76, 7-8=-77, 8-20=-91, 10-11=-77, 15-16=-14, 13-15=-156, 12-13=-156(F=-142), 4-8=-14
   Drag: 3-15=-14, 9-13=-14
   Concentrated Loads (lb)
   Vert: 6=-435(F) 20=-220(F)
   Trapezoidal Loads (plf)
   Vert: 20=-152(F=-61)-to-9=-166(F=-76), 9=-152(F=-76)-to-10=-192(F=-115)
9) Attic Floor: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
   Vert: 1-2=-20, 2-3=-20, 3-4=-34, 4-5=-20, 5-7=-20, 7-8=-20, 8-20=-34, 10-11=-20, 15-16=-14, 13-15=-156, 12-13=-156(F=-142), 4-8=-14
   Drag: 3-15=-14, 9-13=-14
   Concentrated Loads (lb)
   Vert: 6=-163(F) 20=-83(F)
   Trapezoidal Loads (plf)
   Vert: 20=-57(F=-23)-to-9=-72(F=-38), 9=-57(F=-38)-to-10=-97(F=-77)
10) 1st unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-77, 2-3=-77, 3-4=-91, 4-5=-77, 5-7=-76, 7-8=-20, 8-20=-34, 10-11=-20, 15-16=-14, 13-15=-156, 12-13=-156(F=-142), 4-8=-14
   Drag: 3-15=-14, 9-13=-14
   Concentrated Loads (lb)
   Vert: 6=-435(F) 20=-220(F)
   Trapezoidal Loads (plf)
   Vert: 20=-95(F=-61)-to-9=-110(F=-76), 9=-96(F=-76)-to-10=-135(F=-115)
11) 2nd unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-20, 2-3=-20, 3-4=-34, 4-5=-20, 5-7=-76, 7-8=-77, 8-20=-91, 10-11=-77, 15-16=-14, 13-15=-156, 12-13=-156(F=-142), 4-8=-14
   Drag: 3-15=-14, 9-13=-14
   Concentrated Loads (lb)
   Vert: 6=-435(F) 20=-220(F)
   Trapezoidal Loads (plf)
   Vert: 20=-152(F=-61)-to-9=-166(F=-76), 9=-152(F=-76)-to-10=-192(F=-115)

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January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T03A	ATTIC	1	2	J1921280
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 02 11:00:00 2008 Page 1

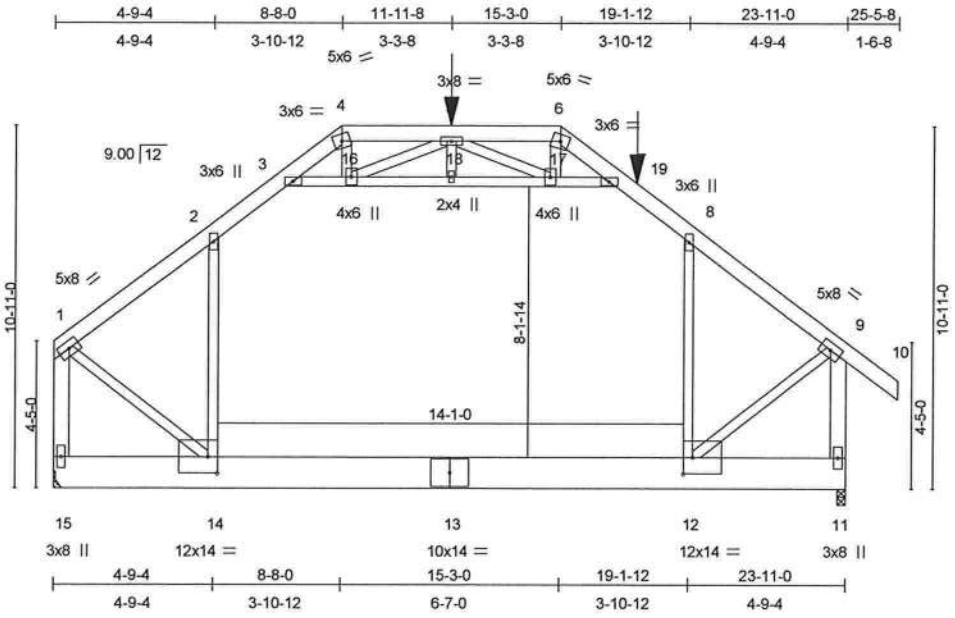

Plate Offsets (X,Y): [12:0-3-8,0-6-0], [14:0-3-8,0-6-0]

LOADING (psf)		SPACING	2-10-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	-0.12	12-14	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.52	Vert(TL)	-0.20	12-14	>999	240		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.58	Horz(TL)	0.01	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 531 lb	

LUMBER

TOP CHORD	2 X 6 SYP No.1D
BOT CHORD	2 X 12 SYP No.2
WEBS	2 X 4 SYP No.3 *Except* 1-15 2 X 6 SYP No.1D, 9-11 2 X 6 SYP No.1D

BRACING

TOP CHORD	2-0-0 oc purlins (6-0-0 max.), except end verticals (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS	1 Brace at Jt(s): 1, 4, 6, 9

REACTIONS (lb/size) 15=2685/Mechanical, 11=3871/0-3-0
Max Horz 15=-415(load case 3)
Max Uplift 11=-179(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-2570/99, 2-3=-2062/194, 3-4=-661/488, 4-5=-333/509, 5-6=-539/554, 6-7=-783/512, 7-19=-1915/177, 8-19=-2219/206, 8-9=-2753/67, 9-10=0/81, 1-15=-3272/100, 9-11=-3625/137
BOT CHORD	14-15=-319/462, 13-14=-129/1898, 12-13=-129/1898, 11-12=-11/209
WEBS	2-14=0/715, 8-12=-87/565, 3-16=-1708/40, 16-18=-1185/0, 17-18=-1185/0, 7-17=-1598/0, 4-16=-130/554, 6-17=-96/455, 5-18=0/39, 5-16=-1093/359, 5-17=-875/287, 1-14=-198/2355, 9-12=-155/2218

JOINT STRESS INDEX

1 = 0.66, 2 = 0.16, 3 = 0.29, 4 = 0.31, 5 = 0.57, 6 = 0.31, 7 = 0.29, 8 = 0.16, 9 = 0.66, 11 = 0.41, 12 = 0.20, 13 = 0.33, 14 = 0.20, 15 = 0.41, 16 = 0.34, 17 = 0.34 and 18 = 0.34

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January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T03A	ATTIC	1	2	J1921280
					Job Reference (optional)

NOTES

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
   Bottom chords connected as follows: 2 X 12 - 2 rows at 0-9-0 oc.
   Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; end vertical right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
5) Provide adequate drainage to prevent water ponding.
6) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Ceiling dead load (5.0 psf) on member(s). 2-3, 7-8, 3-16, 16-18, 17-18, 7-17; Wall dead load (5.0psf) on member(s).2-14, 8-12
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 12-14
9) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 179 lb uplift at joint 11.

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 Except:

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-77, 2-3=-91, 3-4=-77, 4-6=-76, 6-7=-77, 7-19=-91, 9-10=-77, 14-15=-14, 12-14=-156, 11-12=-156(F=-142), 3-7=-14
   Drag: 2-14=-14, 8-12=-14
   Concentrated Loads (lb)
   Vert: 5=-435(F) 19=-220(F)
   Trapezoidal Loads (plf)
   Vert: 19=-152(F=-61)-to-8=-166(F=-76), 8=-152(F=-76)-to-9=-192(F=-115)
9) Attic Floor: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
   Vert: 1-2=-20, 2-3=-34, 3-4=-20, 4-6=-20, 6-7=-20, 7-19=-34, 9-10=-20, 14-15=-14, 12-14=-156, 11-12=-156(F=-142), 3-7=-14
   Drag: 2-14=-14, 8-12=-14
   Concentrated Loads (lb)
   Vert: 5=-163(F) 19=-83(F)
   Trapezoidal Loads (plf)
   Vert: 19=-57(F=-23)-to-8=-72(F=-38), 8=-57(F=-38)-to-9=-97(F=-77)
10) 1st unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-77, 2-3=-91, 3-4=-77, 4-6=-76, 6-7=-20, 7-19=-34, 9-10=-20, 14-15=-14, 12-14=-156, 11-12=-156(F=-142), 3-7=-14
   Drag: 2-14=-14, 8-12=-14
   Concentrated Loads (lb)
   Vert: 5=-435(F) 19=-220(F)
   Trapezoidal Loads (plf)
   Vert: 19=-95(F=-61)-to-8=-110(F=-76), 8=-96(F=-76)-to-9=-137(F=-117)
11) 2nd unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-20, 2-3=-34, 3-4=-20, 4-6=-76, 6-7=-77, 7-19=-91, 9-10=-77, 14-15=-14, 12-14=-156, 11-12=-156(F=-142), 3-7=-14
   Drag: 2-14=-14, 8-12=-14
   Concentrated Loads (lb)
   Vert: 5=-435(F) 19=-220(F)
   Trapezoidal Loads (plf)
   Vert: 19=-152(F=-61)-to-8=-167(F=-76), 8=-153(F=-76)-to-9=-194(F=-117)

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Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T04	ATTIC	4	1	J1921281
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:20 2007 Page 1

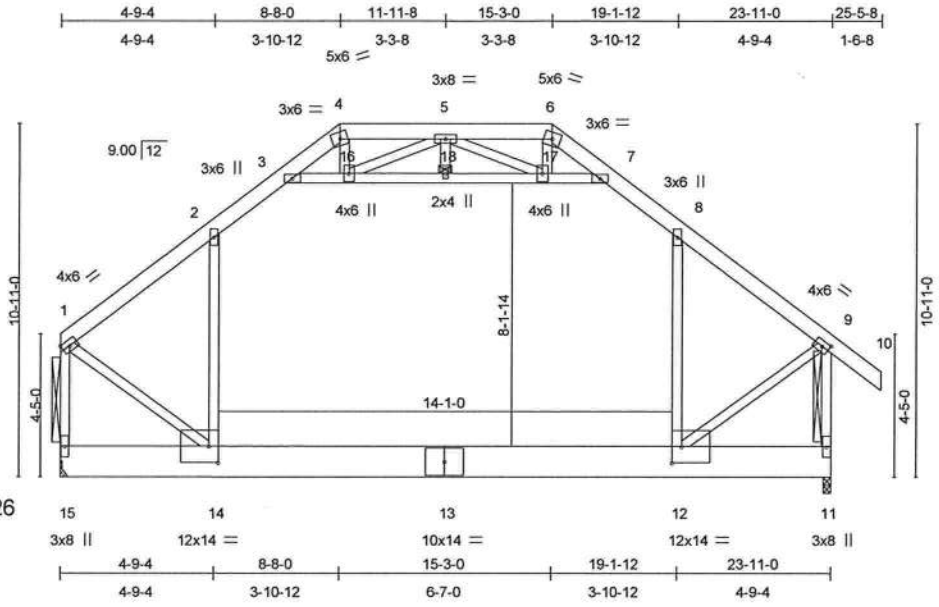

Plate Offsets (X,Y): [9:0-2-14,0-2-0], [12:0-3-8,0-6-0], [14:0-3-8,0-6-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.49	Vert(LL)	-0.17	12-14	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.47	Vert(TL)	-0.28	12-14	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.43	Horz(TL)	0.01	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 260 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 12 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, and 2-0-0 oc purlins (6-0-0 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 9-8-12 oc bracing.
WEBS 1 Row at midpt 3-7
T-Brace: 2 X 4 SYP No.3 - 1-15, 9-11
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 15=1616/Mechanical, 11=1713/0-3-0
Max Horz 15=-292(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1461/129, 2-3=-1127/295, 3-4=-223/245, 4-5=-52/277, 5-6=-59/271, 6-7=-228/245, 7-8=-1126/289, 8-9=-1469/155, 9-10=0/55, 1-15=-1851/152, 9-11=-1963/177
BOT CHORD 14-15=-221/305, 13-14=-13/1063, 12-13=-13/1063, 11-12=-16/76
WEBS 2-14=-14/444, 8-12=-3/448, 3-16=-1086/95, 16-18=-867/0, 17-18=-867/0, 7-17=-1086/73, 4-16=-40/226, 6-17=-32/227, 5-18=0/31, 5-16=-404/128, 5-17=-404/120, 1-14=-16/1318, 9-12=0/1329

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Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
					J1921281
L262683	T04	ATTIC	4	1	Job Reference (optional)

JOINT STRESS INDEX

1 = 0.80, 2 = 0.18, 3 = 0.36, 4 = 0.41, 5 = 0.56, 6 = 0.41, 7 = 0.36, 8 = 0.18, 9 = 0.80, 11 = 0.31, 12 = 0.21, 13 = 0.46, 14 = 0.21, 15 = 0.31, 16 = 0.33, 17 = 0.33 and 18 = 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; end vertical right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Ceiling dead load (5.0 psf) on member(s). 2-3, 7-8, 3-16, 16-18, 17-18, 7-17; Wall dead load (5.0psf) on member(s).2-14, 8-12
6) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 12-14
7) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T05	HIP	1	2	J1921282
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 02 11:05:20 2008 Page 1

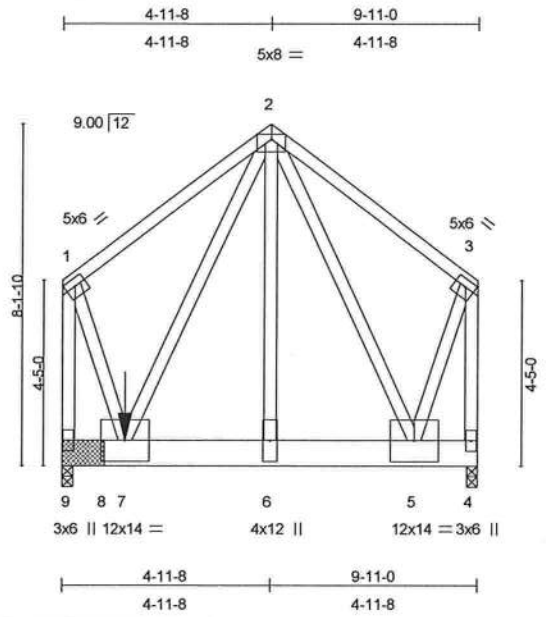

Plate Offsets (X,Y): [1:0-2-12,0-2-0], [3:0-2-12,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.00	TC	0.93	Vert(LL)	-0.03	6-7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.00	BC	0.26	Vert(TL)	-0.06	6-7	>999	240		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.47	Horz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 224 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*
1-9 2 X 4 SYP No.3, 3-4 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) 9=5469/0-3-4 (0-3-0 + bearing block), 4=4474/0-3-0
Max Horz 9=-263(load case 3)
Max Uplift 9=-1548(load case 6), 4=-1290(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1792/600, 2-3=-1409/496, 1-9=-5015/1447, 3-4=-3901/1145
BOT CHORD 8-9=-241/220, 7-8=-241/220, 6-7=-542/1592, 5-6=-542/1592, 4-5=-42/73
WEBS 2-6=-935/3243, 1-7=-1135/4067, 3-5=-978/3135, 2-7=-544/309, 2-5=-1286/460

JOINT STRESS INDEX
1 = 0.92, 2 = 0.51, 3 = 0.92, 4 = 0.56, 5 = 0.41, 6 = 0.40, 7 = 0.41, 8 = 0.00, 8 = 0.00, 8 = 0.00, 9 = 0.56, 9 = 0.00 and 9 = 0.00

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 2 rows at 0-3-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) 2 X 8 SYP 2400F 2.0E bearing block 12" long at jt. 9 attached to each face with 4 rows of 10d (0.131"x3") nails spaced 3" o.c. 16 Total fasteners per block. Bearing is assumed to be SYP.

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January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T05	HIP	1	2	J1921282 Job Reference (optional)

NOTES

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; end vertical left and right exposed; 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 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 1548 lb uplift at joint 9 and 1290 lb uplift at joint 4.

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
   Vert: 1-2=-54, 2-3=-54, 7-9=-10, 4-7=-813(F=-803)
   Concentrated Loads (lb)
   Vert: 7=-2685(F)

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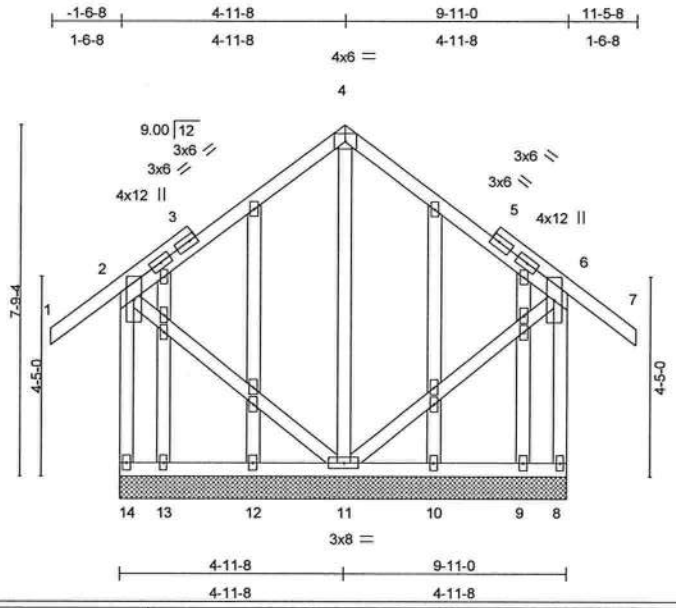
January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T05G	GABLE	1	1	J1921283
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:22 2007 Page 1



Scale: 1/4"=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	0.21	Vert(LL)	0.01	7	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	0.01	6-7	n/r	90		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.29	Horz(TL)	0.00	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 113 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 6-0-0 oc bracing.

REACTIONS (lb/size) 14=198/9-11-0, 8=198/9-11-0, 11=367/9-11-0, 12=23/9-11-0, 13=-5/9-11-0, 10=23/9-11-0, 9=-5/9-11-0
Max Horz 14=-328(load case 4)
Max Uplift 14=-104(load case 4), 8=-100(load case 5), 11=-252(load case 6), 13=-32(load case 8), 9=-32(load case 9)
Max Grav 14=227(load case 10), 8=227(load case 11), 11=367(load case 1), 12=63(load case 2), 13=45(load case 2), 10=63(load case 2), 9=45(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/48, 2-3=-59/88, 3-4=-7/114, 4-5=-6/114, 5-6=-59/88, 6-7=0/48, 2-14=-197/127, 6-8=-197/127
BOT CHORD	13-14=-283/295, 12-13=-283/295, 11-12=-283/295, 10-11=-32/83, 9-10=-32/83, 8-9=-32/83
WEBS	4-11=-292/65, 2-11=-115/222, 6-11=-116/222

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JOINT STRESS INDEX

2 = 0.80, 3 = 0.00, 3 = 0.23, 3 = 0.23, 4 = 0.41, 5 = 0.00, 5 = 0.23, 5 = 0.23, 6 = 0.80, 8 = 0.47, 9 = 0.00, 10 = 0.00, 11 = 0.16, 12 = 0.00, 13 = 0.00, 14 = 0.47, 15 = 0.00, 15 = 0.00, 16 = 0.00, 17 = 0.00, 17 = 0.00, 18 = 0.00, 18 = 0.00, 19 = 0.00, 20 = 0.00, 20 = 0.00, 21 = 0.00, 21 = 0.00, 22 = 0.00 and 22 = 0.00

Continued on page 2

January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
					J1921283
L262683	T05G	GABLE	1	1	
					Job Reference (optional)

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; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 104 lb uplift at joint 14, 100 lb uplift at joint 8, 252 lb uplift at joint 11, 32 lb uplift at joint 13 and 32 lb uplift at joint 9.

LOAD CASE(S) Standard

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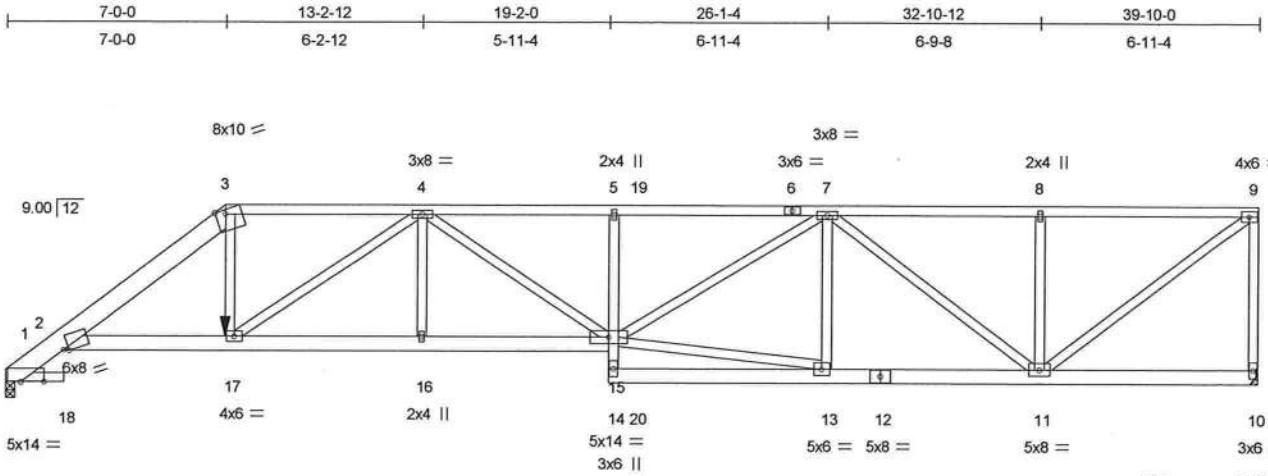
January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T06	SPECIAL	1	2	J1921284
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 02 10:16:57 2008 Page 1



Simpson HGUS26-2

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.75	Vert(LL)	0.26	15-16	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.94	Vert(TL)	-0.48	15-16	>982	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.63	Horz(TL)	0.20	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 548 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2 *Except* 1-3 2 X 8 SYP No.1D
BOT CHORD 2 X 6 SYP No.1D *Except* 1-18 2 X 4 SYP No.2, 5-14 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING

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

REACTIONS (lb/size) 1=2644/0-3-8, 10=2762/Mechanical
Max Horz 1=338(load case 5)
Max Uplift 1=-872(load case 4), 10=-1368(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-1747/453, 2-3=-4804/1794, 3-4=-3981/1511, 4-5=-6400/2776, 5-19=-6383/2852, 6-19=-6383/2852, 6-7=-6383/2852, 7-8=-3043/1480, 8-9=-3043/1480, 9-10=-2662/1381
BOT CHORD 1-18=0/0, 2-17=-1649/3898, 16-17=-2527/5781, 15-16=-2527/5781, 14-15=-12/173, 5-15=-614/386, 14-20=-397/905, 13-20=-397/905, 12-13=-2246/4769, 11-12=-2246/4769, 10-11=-57/88
WEBS 3-17=-870/2192, 4-17=-2205/1036, 4-16=-117/467, 4-15=-507/755, 13-15=-1870/3906, 7-15=-715/1905, 7-13=-491/398, 7-11=-2182/969, 8-11=-826/630, 9-11=-1800/3738

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JOINT STRESS INDEX

1 = 0.10, 2 = 0.85, 3 = 0.68, 4 = 0.57, 5 = 0.53, 6 = 0.52, 7 = 0.91, 8 = 0.34, 9 = 0.78, 10 = 0.33, 11 = 0.87, 12 = 0.52, 13 = 0.62, 14 = 0.78, 15 = 0.80, 16 = 0.34 and 17 = 0.50

January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T06	SPECIAL	1	2	J1921284
					Job Reference (optional)

NOTES

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2 X 8 - 2 rows at 0-9-0 oc, 2 X 4 - 1 row at 0-9-0 oc.
   Bottom chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc, 2 X 6 - 2 rows at 0-9-0 oc.
   Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) 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 bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 872 lb uplift at joint 1 and 1368 lb uplift at joint 10.

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-54, 3-19=-79(F=-25), 9-19=-118(F=-64), 1-18=-10, 2-17=-10, 15-17=-64(F=-53), 14-20=-64(F=-53), 10-20=-22(F=-12)
   Concentrated Loads (lb)
   Vert: 17=-411(F)

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January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T07	SPECIAL	1	1	J1921285
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:24 2007 Page 1

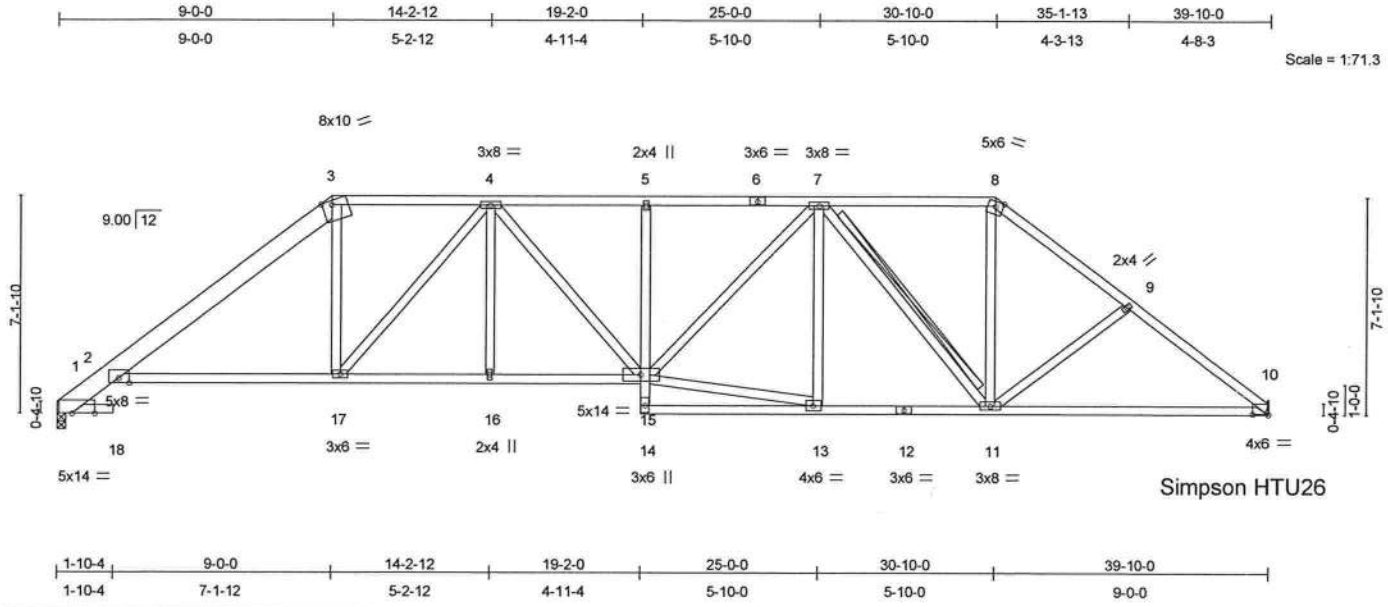

Plate Offsets (X,Y): [1:0-8-13,0-0-0], [3:0-3-14,Edge], [10:0-6-3,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.57	Vert(LL)	0.23	2-17	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.57	Vert(TL)	-0.38	2-17	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.71	Horz(TL)	0.26	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 251 lb	

LUMBER

TOP CHORD	2 X 4 SYP No.2 *Except* 1-3 2 X 8 SYP No.1D
BOT CHORD	2 X 4 SYP No.2 *Except* 5-14 2 X 4 SYP No.3
WEBS	2 X 4 SYP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-2-12 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 7-1-11 oc bracing.
WEBS	T-Brace: 2 X 4 SYP No.3 - 7-11

Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 1=1252/0-3-8, 10=1252/Mechanical
Max Horz 1=191(load case 5)
Max Uplift 1=-316(load case 5), 10=-317(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-784/399, 2-3=-1904/910, 3-4=-1518/880, 4-5=-2110/1184, 5-6=-2100/1181, 6-7=-2100/1181, 7-8=-1305/794, 8-9=-1683/903, 9-10=-1867/938
BOT CHORD	1-18=0/0, 2-17=-577/1499, 16-17=-784/1914, 15-16=-784/1914, 14-15=0/95, 5-15=-298/214, 13-14=-51/144, 12-13=-706/1705, 11-12=-706/1705, 10-11=-660/1439
WEBS	3-17=-223/618, 4-17=-690/318, 4-16=0/139, 4-15=-156/339, 13-15=-665/1585, 7-15=-253/585, 7-13=-242/153, 7-11=-691/328, 8-11=-342/689, 9-11=-189/214

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Continued on page 2

January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
					J1921285
L262683	T07	SPECIAL	1	1	Job Reference (optional)

JOINT STRESS INDEX

1 = 0.09, 2 = 0.51, 3 = 0.42, 4 = 0.56, 5 = 0.33, 6 = 0.45, 7 = 0.56, 8 = 0.48, 9 = 0.33, 10 = 0.67, 11 = 0.56, 12 = 0.55, 13 = 0.67, 14 = 0.37, 15 = 0.60, 16 = 0.33 and 17 = 0.39

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
6) Bearing at joint(s) 1 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 316 lb uplift at joint 1 and 317 lb uplift at joint 10.
8) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

LOAD CASE(S) Standard

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January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T08	SPECIAL	1	1	J1921286
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:25 2007 Page 1

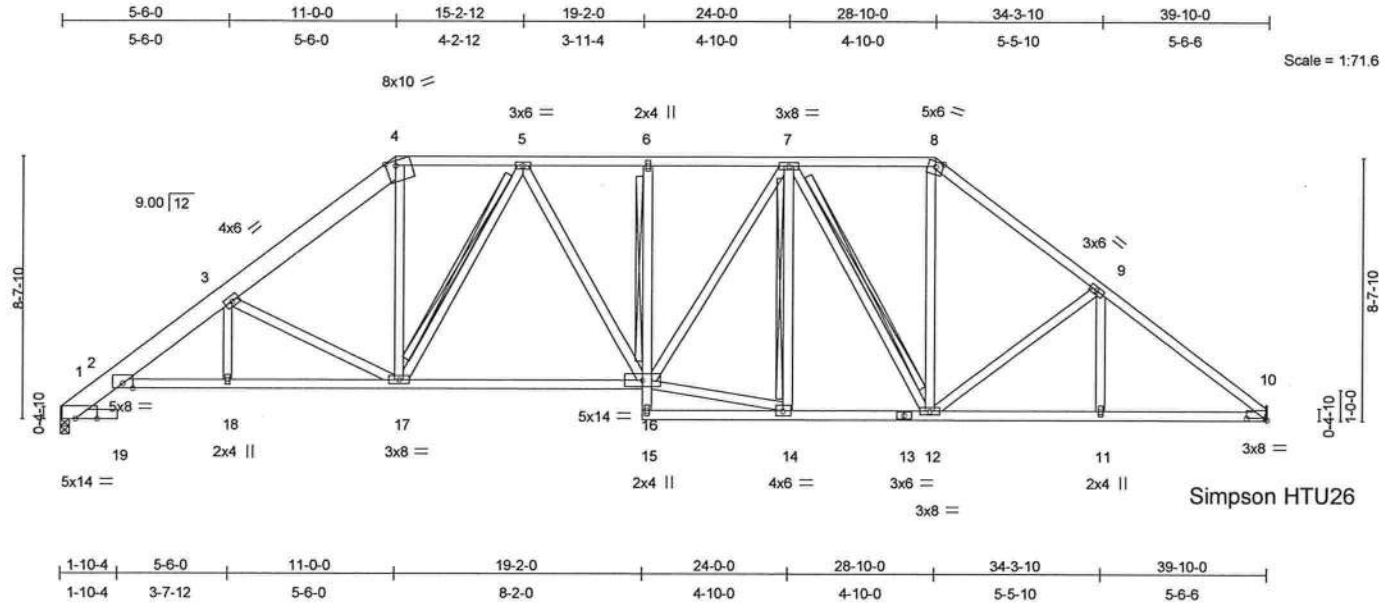

Plate Offsets (X,Y): [1:0-8-9,0-0-0], [4:0-3-14,Edge], [10:0-8-3,0-0-14]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.57	Vert(LL)	0.16	16-17	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.61	Vert(TL)	-0.31	16-17	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.45	Horz(TL)	0.20	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 280 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2 *Except* 1-4 2 X 8 SYP No.1D
BOT CHORD 2 X 4 SYP No.2 *Except* 6-15 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-4-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
T-Brace: 2 X 4 SYP No.3 - 6-16
WEBS T-Brace: 2 X 4 SYP No.3 - 5-17, 7-14, 7-12
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 1=1252/0-3-8, 10=1252/Mechanical
Max Horz 1=232(load case 5)
Max Uplift 1=-271(load case 5), 10=-274(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-784/394, 2-3=-2207/1064, 3-4=-1788/927, 4-5=-1354/818, 5-6=-1679/985, 6-7=-1674/985, 7-8=-1211/779, 8-9=-1592/875, 9-10=-1900/912
BOT CHORD 1-19=0/0, 2-18=-815/1866, 17-18=-815/1867, 16-17=-574/1562, 15-16=0/73, 6-16=-238/174, 14-15=-53/58, 13-14=-524/1426, 12-13=-524/1426, 11-12=-627/1442, 10-11=-627/1442
WEBS 3-18=0/160, 3-17=-600/413, 4-17=-359/737, 5-17=-512/264, 5-16=-132/302, 14-16=-482/1398, 7-16=-204/487, 7-14=-255/132, 7-12=-527/258, 8-12=-319/617, 9-12=-305/270, 9-11=0/182

Continued on page 2

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January 2,2008

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T08	SPECIAL	1	1	J1921286 Job Reference (optional)

JOINT STRESS INDEX

1 = 0.09, 2 = 0.53, 3 = 0.32, 4 = 0.48, 5 = 0.44, 6 = 0.33, 7 = 0.59, 8 = 0.52, 9 = 0.42, 10 = 0.78, 11 = 0.33, 12 = 0.59, 13 = 0.45, 14 = 0.61, 15 = 0.73, 16 = 0.55, 17 = 0.59 and 18 = 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) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Bearing at joint(s) 1 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 271 lb uplift at joint 1 and 274 lb uplift at joint 10.
8) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

LOAD CASE(S) Standard

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January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE J1921287
L262683	T09	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:26 2007 Page 1

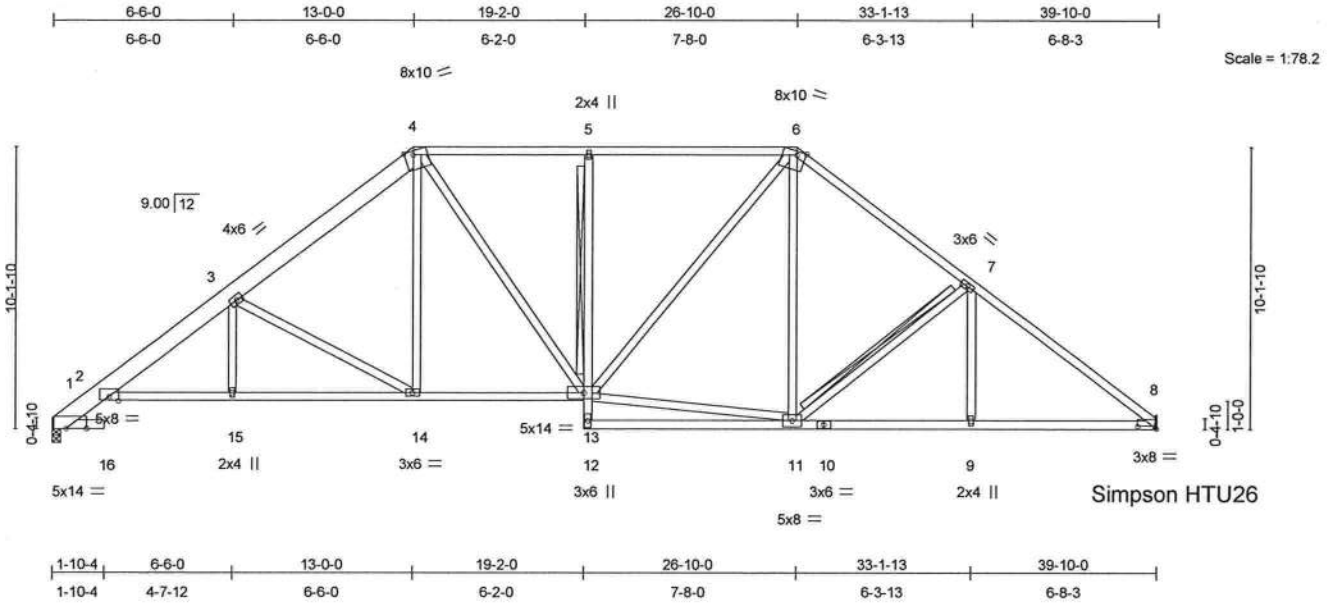

Plate Offsets (X,Y): [1:0-8-13,0-0-0], [4:0-3-14,Edge], [6:0-3-14,Edge], [8:0-8-3,0-1-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.57	Vert(LL)	0.14	13-14	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.60	Vert(TL)	-0.25	13-14	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.62	Horz(TL)	0.19	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 272 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2 *Except* 1-4 2 X 8 SYP No.1D
BOT CHORD 2 X 4 SYP No.2 *Except* 5-12 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-3-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-1-9 oc bracing. Except:
T-Brace: 2 X 4 SYP No.3 - 5-13
WEBS T-Brace: 2 X 4 SYP No.3 - 7-11
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 1=1252/0-3-8, 8=1252/Mechanical
Max Horz 1=274(load case 5)
Max Uplift 1=-224(load case 6), 8=-228(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-784/389, 2-3=-2129/1009, 3-4=-1674/883, 4-5=-1409/877, 5-6=-1406/881, 6-7=-1508/845, 7-8=-1874/887
BOT CHORD 1-16=0/0, 2-15=-745/1771, 14-15=-744/1772, 13-14=-377/1237, 12-13=0/113, 5-13=-374/248, 11-12=-13/115, 10-11=-587/1409, 9-10=-587/1409, 8-9=-587/1409
WEBS 3-15=0/207, 3-14=-619/437, 4-14=-172/412, 4-13=-223/392, 11-13=-327/1040, 6-13=-269/517, 6-11=-103/269, 7-11=-362/320, 7-9=0/211

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January 2,2008

Continued on page 2

JOINT STRESS INDEX

1 = 0.09, 2 = 0.52, 3 = 0.32, 4 = 0.43, 5 = 0.33, 6 = 0.65, 7 = 0.42, 8 = 0.74, 9 = 0.33, 10 = 0.45, 11 = 0.46, 12 = 0.48, 13 = 0.38, 14 = 0.34 and 15 = 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) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Bearing at joint(s) 1 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 224 lb uplift at joint 1 and 228 lb uplift at joint 8.
8) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

LOAD CASE(S) Standard

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January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE J1921288
L262683	T10	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:27 2007 Page 1

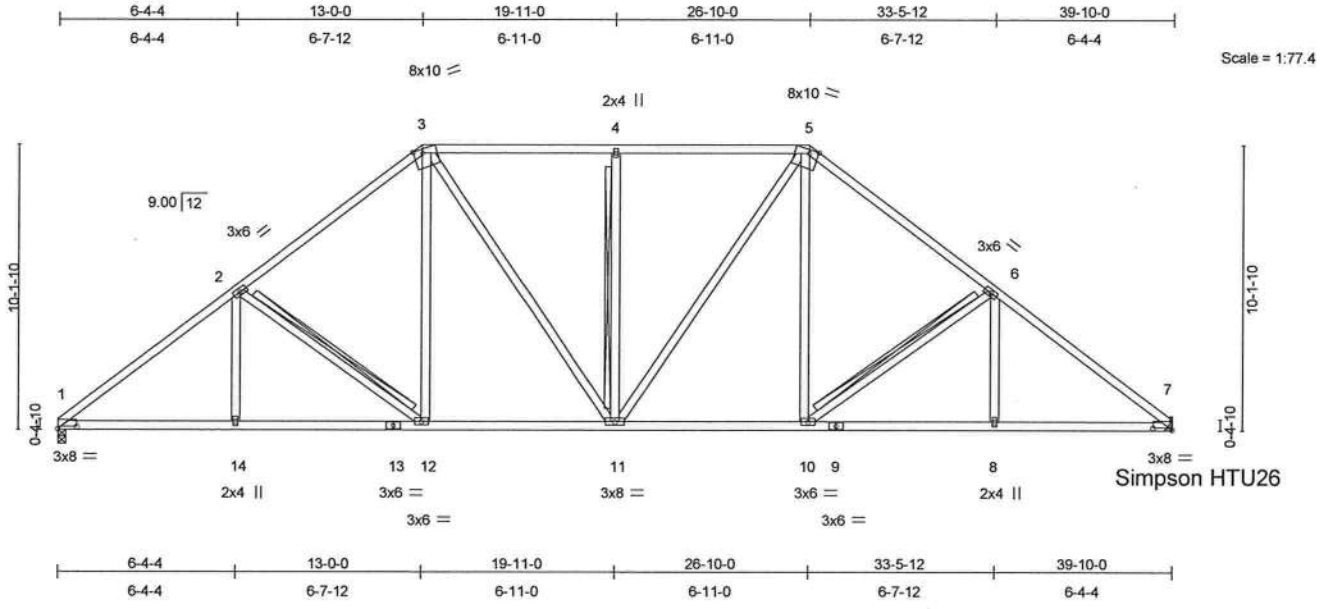

Plate Offsets (X,Y): [1:0-8-3,0-0-14], [3:0-3-14,Edge], [5:0-3-14,Edge], [7:0-8-3,0-0-14]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.35	Vert(LL)	0.10	11	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.18	10-11	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.57	Horz(TL)	0.09	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 243 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-3-12 oc purlins, except
2-0-0 oc purlins (5-3-11 max.): 3-5.
BOT CHORD Rigid ceiling directly applied or 7-10-3 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 2-12, 4-11, 6-10
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 1=1265/0-3-8, 7=1265/Mechanical
Max Horz 1=273(load case 5)
Max Uplift 1=-229(load case 6), 7=-229(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1894/897, 2-3=-1532/848, 3-4=-1297/846, 4-5=-1297/846, 5-6=-1532/848, 6-7=-1894/897
BOT CHORD 1-14=-600/1424, 13-14=-600/1424, 12-13=-600/1424, 11-12=-345/1142, 10-11=-345/1142, 9-10=-600/1424, 8-9=-600/1424, 7-8=-600/1424
WEBS 2-14=0/211, 2-12=-354/316, 3-12=-137/343, 3-11=-228/386, 4-11=-387/246, 5-11=-228/386, 5-10=-137/343, 6-10=-354/316, 6-8=0/211

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January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T10	HIP	1	1	J1921288
					Job Reference (optional)

JOINT STRESS INDEX

1 = 0.78, 2 = 0.42, 3 = 0.62, 4 = 0.33, 5 = 0.62, 6 = 0.42, 7 = 0.78, 8 = 0.33, 9 = 0.46, 10 = 0.34, 11 = 0.57, 12 = 0.34, 13 = 0.46 and 14 = 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) 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 229 lb uplift at joint 1 and 229 lb uplift at joint 7.

LOAD CASE(S) Standard

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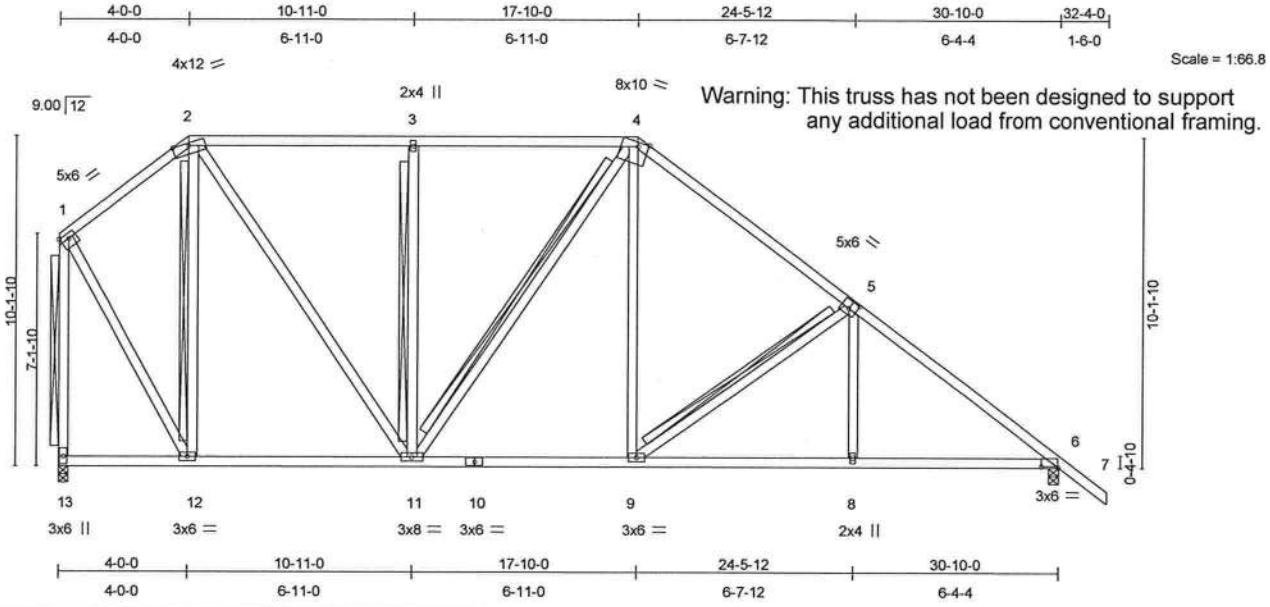
January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T11	HIP	3	1	J1921289
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:28 2007 Page 1



Warning: This truss has not been designed to support any additional load from conventional framing.

Plate Offsets (X,Y): [1:0-3-0,0-1-12], [4:0-3-14,Edge], [5:0-3-0,0-3-0], [6:0-6-3,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.39	Vert(LL)	-0.05	8-9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.28	Vert(TL)	-0.10	8-9	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.77	Horz(TL)	0.04	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 218 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-14 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 2-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 12-13.
WEBS T-Brace: 2 X 4 SYP No.3 - 2-12, 3-11, 4-11, 5-9, 1-13
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 13=975/0-3-8, 6=1069/0-3-8
Max Horz 13=-398(load case 4)
Max Uplift 13=-240(load case 4), 6=-266(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-494/408, 2-3=-717/555, 3-4=-717/555, 4-5=-1053/605, 5-6=-1409/637, 6-7=0/48, 1-13=-958/519
BOT CHORD 12-13=-151/343, 11-12=-178/354, 10-11=-115/761, 9-10=-115/761, 8-9=-318/1036, 6-8=-318/1037
WEBS 2-12=-562/284, 2-11=-309/648, 3-11=-402/267, 4-11=-166/76, 4-9=-134/344, 5-9=-345/297, 5-8=0/210, 1-12=-269/714

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January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
					J1921289
L262683	T11	HIP	3	1	Job Reference (optional)

JOINT STRESS INDEX

1 = 0.79, 2 = 0.92, 3 = 0.33, 4 = 0.60, 5 = 0.68, 6 = 0.76, 8 = 0.33, 9 = 0.34, 10 = 0.26, 11 = 0.65, 12 = 0.57 and 13 = 0.40

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; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *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 240 lb uplift at joint 13 and 266 lb uplift at joint 6.

LOAD CASE(S) Standard

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January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T12	SPECIAL	7	1	J1921290
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:29 2007 Page 1

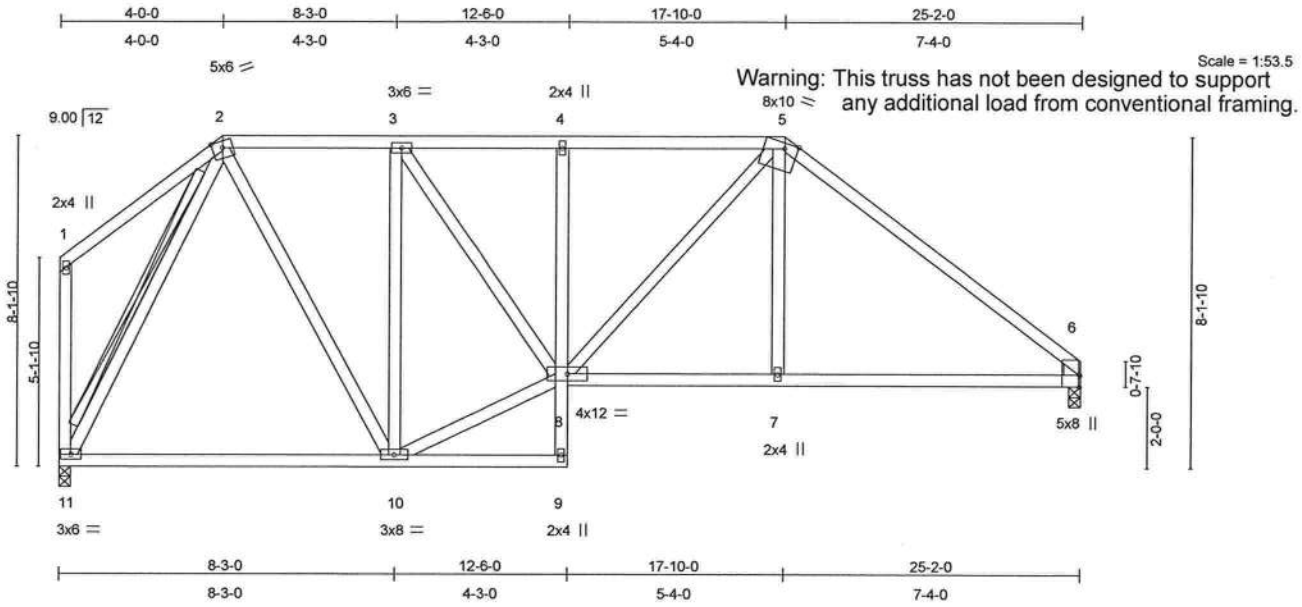

Plate Offsets (X,Y): [5:0-3-14,Edge], [6:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.47	Vert(LL)	0.11	6-7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.37	Vert(TL)	-0.16	10-11	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.70	Horz(TL)	0.04	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 171 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
4-9 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3
WEDGE
Right: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-7-12 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 2-5.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 9-10.
WEBS T-Brace: 2 X 4 SYP No.3 - 2-11
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 11=796/0-3-8, 6=796/0-3-8
Max Horz 11=-158(load case 4)
Max Uplift 11=-189(load case 5), 6=-178(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-82/87, 2-3=-570/402, 3-4=-853/515, 4-5=-857/512, 5-6=-1080/490, 1-11=-110/107
BOT CHORD 10-11=-162/337, 9-10=-18/21, 8-9=0/25, 4-8=-266/167, 7-8=-244/756, 6-7=-243/753
WEBS 2-10=-232/513, 3-10=-637/318, 8-10=-210/610, 3-8=-196/494, 5-8=-194/263, 5-7=-2/229, 2-11=-718/361

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JOINT STRESS INDEX
1 = 0.45, 2 = 0.34, 3 = 0.41, 4 = 0.33, 5 = 0.72, 6 = 0.50, 6 = 0.00, 7 = 0.33, 8 = 0.88, 9 = 0.33, 10 = 0.59 and 11 = 0.53

Continued on page 2

January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T12	SPECIAL	7	1	J1921290
					Job Reference (optional)

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
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 189 lb uplift at joint 11 and 178 lb uplift at joint 6.

LOAD CASE(S) Standard

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January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE J1921291
L262683	T13	MONO HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 02 10:20:04 2008 Page 1

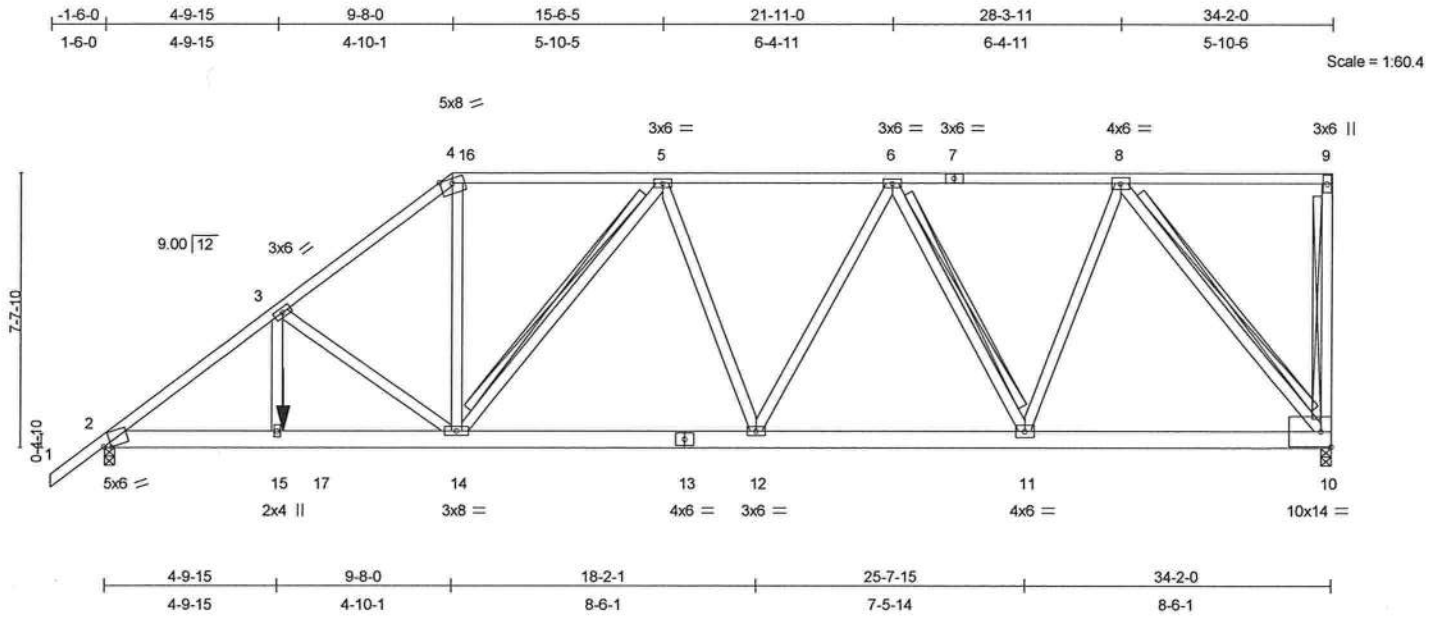

Plate Offsets (X,Y): [2:0-2-6,0-0-14]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.65	Vert(LL)	0.14	12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.41	Vert(TL)	-0.26	12-14	>999	240		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.80	Horz(TL)	0.08	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 243 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-2-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-3-10 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 9-10, 5-14, 6-11
2 X 6 SYP No.1D - 8-10
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 10=2364/0-3-8, 2=2338/0-3-8
Max Horz 2=292(load case 5)
Max Uplift 10=-1197(load case 3), 2=-853(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/51, 2-3=-3509/1316, 3-4=-2921/1223, 4-16=-2314/1031, 5-16=-2314/1031, 5-6=-2732/1276, 6-7=-2038/979, 7-8=-2038/979, 8-9=-35/19, 9-10=-293/218
BOT CHORD 2-15=-1155/2717, 15-17=-1155/2717, 14-17=-1155/2717, 13-14=-1330/2783, 12-13=-1330/2783, 11-12=-1270/2579, 10-11=-819/1593
WEBS 3-15=-131/463, 3-14=-529/221, 4-14=-476/1253, 5-14=-761/596, 5-12=-149/174, 6-12=-62/333, 6-11=-1180/644, 8-11=-479/1303, 8-10=-2518/1293

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JOINT STRESS INDEX
2 = 0.91, 3 = 0.44, 4 = 0.93, 5 = 0.49, 6 = 0.48, 7 = 0.44, 8 = 0.83, 9 = 0.45, 10 = 0.39, 11 = 0.83, 12 = 0.49, 13 = 0.73, 14 = 0.63 and 15 = 0.34

January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T13	MONO HIP	1	1	J1921291
					Job Reference (optional)

NOTES

1) 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.
2) Provide adequate drainage to prevent water ponding.
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 1197 lb uplift at joint 10 and 853 lb uplift at joint 2.
6) Girder carries tie-in span(s): 7-0-0 from 6-0-0 to 10-0-0
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-54, 4-16=-54, 9-16=-118(F=-64), 2-17=-10, 14-17=-85(F=-75), 10-14=-22(F=-12)
   Concentrated Loads (lb)
   Vert: 15=-346(F)

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January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T14	MONO HIP	1	1	J1921292
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:31 2007 Page 1

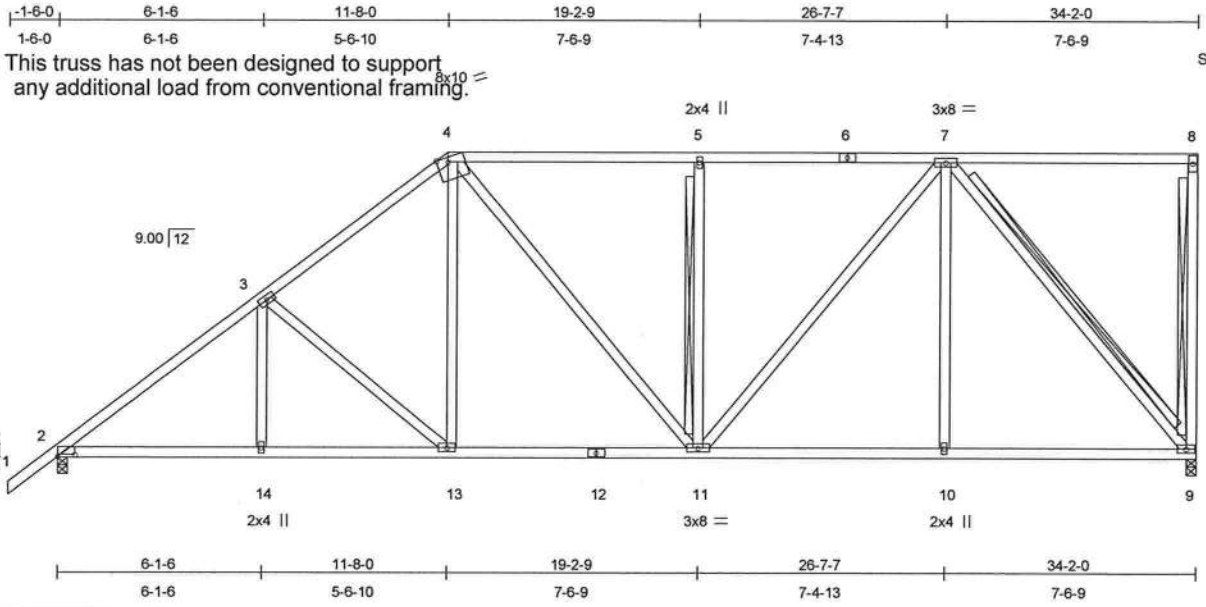

Plate Offsets (X,Y): [2:0-6-3,0-0-10], [4:0-3-14,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.46	Vert(LL)	-0.07	11-13	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.30	Vert(TL)	-0.16	11-13	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.85	Horz(TL)	0.05	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 226 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-9-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-0-12 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 8-9, 5-11, 7-9
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 9=1082/0-3-8, 2=1175/0-3-8
Max Horz 2=338(load case 6)
Max Uplift 9=-317(load case 4), 2=-248(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-1581/655, 3-4=-1275/641, 4-5=-1052/607, 5-6=-1052/607, 6-7=-1052/607, 7-8=-20/10, 8-9=-179/127
BOT CHORD 2-14=-788/1172, 13-14=-788/1172, 12-13=-595/956, 11-12=-595/956, 10-11=-415/743, 9-10=-415/743
WEBS 3-14=0/180, 3-13=-284/252, 4-13=-118/325, 4-11=-167/148, 5-11=-405/286, 7-11=-299/482, 7-10=0/234, 7-9=-1126/631

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JOINT STRESS INDEX
2 = 0.71, 3 = 0.42, 4 = 0.60, 5 = 0.33, 6 = 0.32, 7 = 0.56, 8 = 0.34, 9 = 0.40, 10 = 0.33, 11 = 0.56, 12 = 0.37, 13 = 0.34 and 14 = 0.33

January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
					J1921292
L262683	T14	MONO HIP	1	1	Job Reference (optional)

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) Provide adequate drainage to prevent water ponding.
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 3x6 MT20 unless otherwise indicated.
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 317 lb uplift at joint 9 and 248 lb uplift at joint 2.

LOAD CASE(S) Standard

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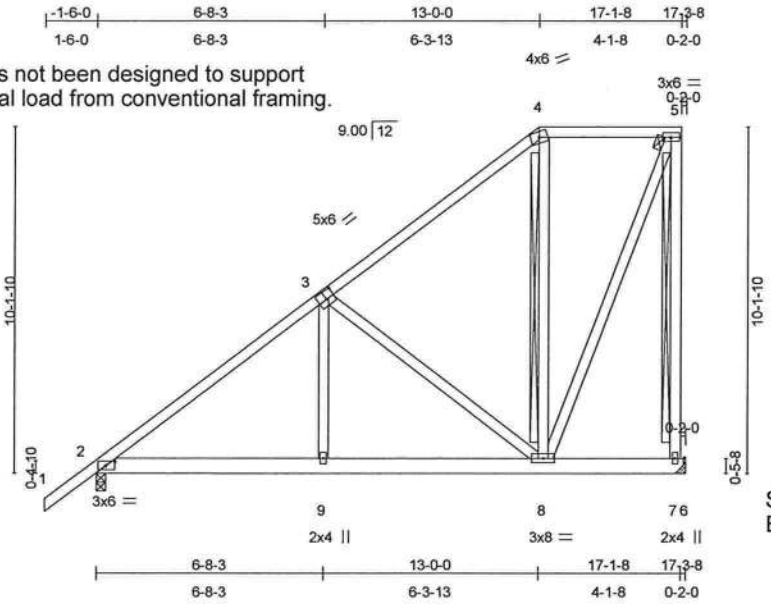
January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE J1921293
L262683	T15	MONO HIP	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:31 2007 Page 1

Warning: This truss has not been designed to support any additional load from conventional framing.



Scale: 3/16"=1'

Simpson HTU26 into Beam by others.

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	-0.02	2-9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.12	Vert(TL)	-0.03	2-9	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.68	Horz(TL)	0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 135 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 5-7, 4-8
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.
JOINTS 1 Brace at Jt(s): 5

REACTIONS (lb/size) 7=537/Mechanical, 2=632/0-3-8
Max Horz 2=371(load case 6)
Max Uplift 7=-191(load case 6), 2=-127(load case 6)

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=0/51, 2-3=-700/96, 3-4=-329/62, 4-5=-175/132, 5-7=-510/375
BOT CHORD 2-9=-382/474, 8-9=-382/474, 7-8=-3/3, 6-7=0/0
WEBS 3-9=0/226, 3-8=-376/311, 4-8=-168/190, 5-8=-358/467

JOINT STRESS INDEX
2 = 0.72, 3 = 0.63, 4 = 0.62, 5 = 0.48, 7 = 0.33, 8 = 0.63 and 9 = 0.33

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January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
					J1921293
L262683	T15	MONO HIP	2	1	Job Reference (optional)

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) Provide adequate drainage to prevent water ponding.
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 191 lb uplift at joint 7 and 127 lb uplift at joint 2.

LOAD CASE(S) Standard

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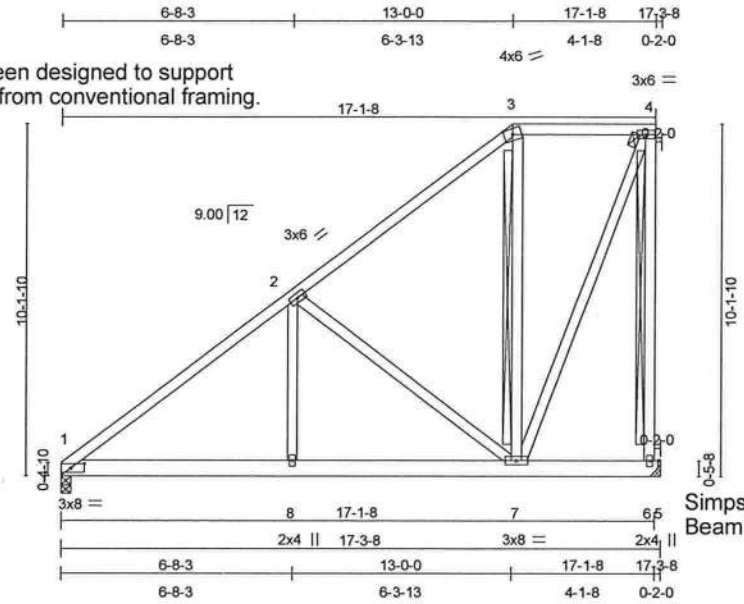
January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE	J1921294
L262683	T16	MONO HIP	2	1	Job Reference (optional)	

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:32 2007 Page 1

Warning: This truss has not been designed to support any additional load from conventional framing.



Scale = 1:62.5

Simpson HTU26 into Beam by others.

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	0.03	1-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.14	Vert(TL)	-0.04	1-8	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.69	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 132 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-6, 3-7
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.
JOINTS 1 Brace at Jt(s): 4

REACTIONS (lb/size) 1=539/0-3-8, 6=542/Mechanical
Max Horz 1=313(load case 6)
Max Uplift 1=-53(load case 6), 6=-196(load case 6)

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=-715/121, 2-3=-331/64, 3-4=-176/134, 4-6=-513/380
BOT CHORD 1-8=-403/487, 7-8=-403/487, 6-7=-3/3, 5-6=0/0
WEBS 2-8=-1/230, 2-7=-391/336, 3-7=-167/187, 4-7=-363/470

JOINT STRESS INDEX
1 = 0.74, 2 = 0.42, 3 = 0.61, 4 = 0.48, 6 = 0.33, 7 = 0.63 and 8 = 0.33

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January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T16	MONO HIP	2	1	J1921294 Job Reference (optional)

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) Provide adequate drainage to prevent water ponding.
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 53 lb uplift at joint 1 and 196 lb uplift at joint 6.

LOAD CASE(S) Standard

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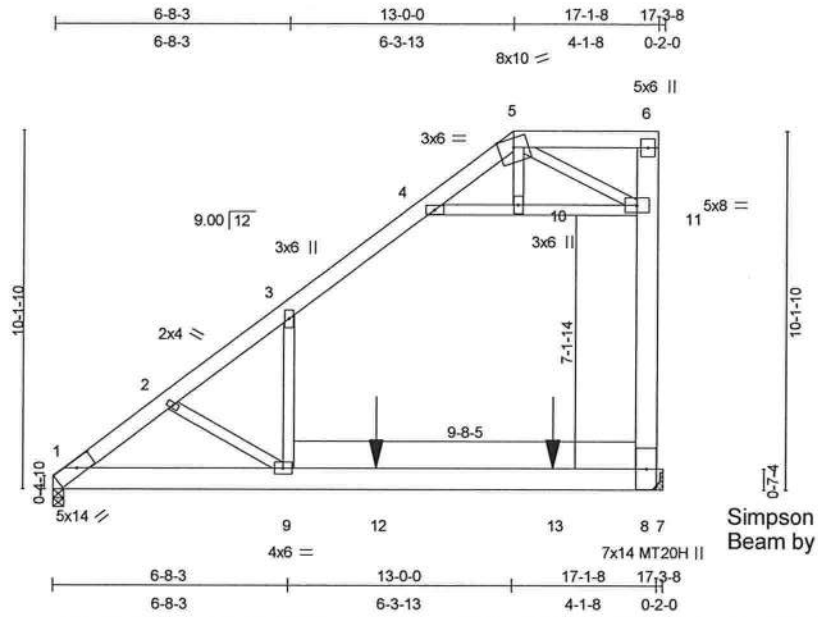
January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE	J1921295
L262683	T17	ROOF TRUSS	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 02 10:24:48 2008 Page 1



Simpson HTU26 into Beam by others.

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.93	Vert(LL)	-0.34	8-9	>582	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.69	Vert(TL)	-0.69	8-9	>289	240	MT20H	187/143
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.62	Horz(TL)	0.01	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 156 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 8 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3 *Except*
6-8 2 X 8 SYP No.1D

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-9-4 oc purlins, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 7-1-7 oc bracing.

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.

REACTIONS (lb/size) 1=964/0-3-8, 8=1472/Mechanical
Max Horz 1=308(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1383/0, 2-3=-1032/0, 3-4=-580/0, 4-5=-7/401, 5-6=-329/1067, 8-11=-469/273, 6-11=-93/62
BOT CHORD 1-9=-390/1182, 9-12=-255/590, 12-13=-255/590, 8-13=-255/590, 7-8=0/0
WEBS 3-9=0/590, 5-10=0/57, 4-10=-958/0, 10-11=-953/0, 5-11=-791/516, 2-9=-700/160

JOINT STRESS INDEX
1 = 0.28, 2 = 0.34, 3 = 0.23, 4 = 0.33, 5 = 0.24, 6 = 0.35, 8 = 0.68, 9 = 0.34, 10 = 0.16 and 11 = 0.32

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) 200.0lb AC unit load placed on the bottom chord, 11-8-1 from left end, supported at two points, 5-0-0 apart.
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 plates are MT20 plates unless otherwise indicated.

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January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T17	ROOF TRUSS	1	1	J1921295
					Job Reference (optional)

NOTES

6) Ceiling dead load (5.0 psf) on member(s). 3-4, 4-10, 10-11; Wall dead load (5.0psf) on member(s).3-9
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 8-9
8) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

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

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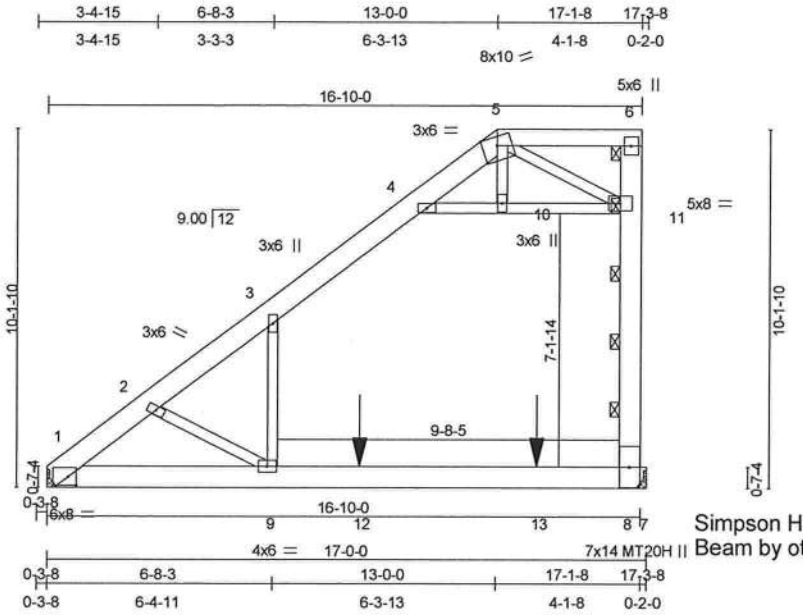
January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T18	ROOF TRUSS	1	1	J1921296
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 02 10:26:06 2008 Page 1



Simpson HTU26

Simpson HTU26 into Beam by others.

Plate Offsets (X,Y): [1:0-2-12,0-3-0]

LOADING (psf)		SPACING	2-7-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.85	Vert(LL)	-0.33	8-9	>592	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.86	Vert(TL)	-0.64	8-9	>304	240	MT20H	187/143
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.54	Horz(TL)	0.01	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 167 lb	

LUMBER
TOP CHORD 2 X 8 SYP 2400F 2.0E *Except* 5-6 2 X 6 SYP No.1D
BOT CHORD 2 X 8 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3 *Except* 6-8 2 X 8 SYP 2400F 2.0E

BRACING
TOP CHORD 2-0-0 oc purlins (6-0-0 max.), except end verticals (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 5-8-6 oc bracing.
JOINTS 1 Brace at Jt(s): 6, 5

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.

REACTIONS (lb/size) 1=1222/Mechanical, 8=1824/Mechanical
Max Horz 1=397(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1775/0, 2-3=-1312/0, 3-4=-665/0, 4-5=0/369, 5-6=-366/1281, 8-11=-647/373, 6-11=-108/86
BOT CHORD 1-9=-624/1482, 9-12=-318/686, 12-13=-318/686, 8-13=-318/686, 7-8=0/0
WEBS 3-9=0/905, 5-10=0/88, 4-10=-941/0, 10-11=-933/0, 5-11=-1156/656, 2-9=-924/348

JOINT STRESS INDEX
1 = 0.69, 2 = 0.24, 3 = 0.33, 4 = 0.33, 5 = 0.28, 6 = 0.42, 8 = 0.77, 9 = 0.49, 10 = 0.16 and 11 = 0.38

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) 200.0lb AC unit load placed on the bottom chord, 11-8-1 from left end, supported at two points, 5-0-0 apart.
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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January 2,2008

Continued on page 2

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T18	ROOF TRUSS	1	1	J1921296
					Job Reference (optional)

NOTES

5) All plates are MT20 plates unless otherwise indicated.
6) Ceiling dead load (5.0 psf) on member(s). 3-4, 4-10, 10-11; Wall dead load (5.0psf) on member(s).3-9
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 8-9
8) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

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

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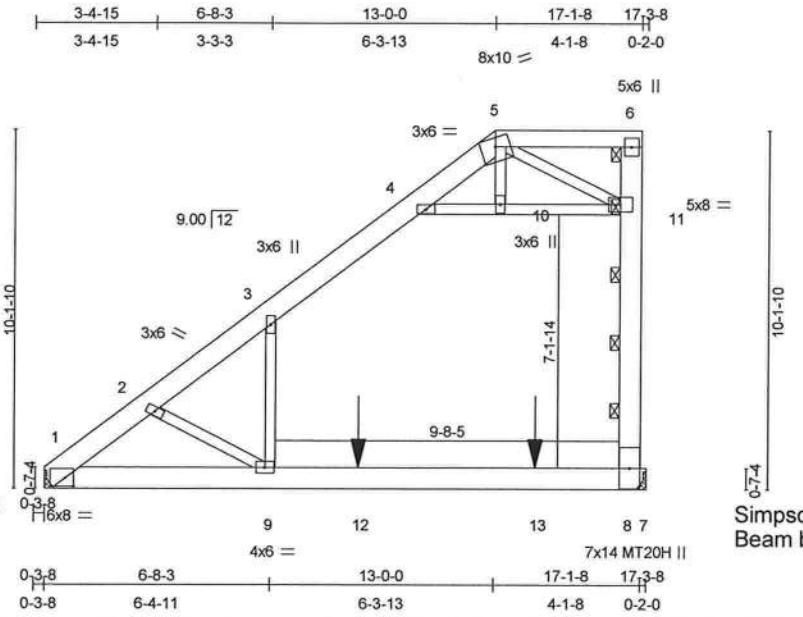
January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T19	ROOF TRUSS	1	1	J1921297
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 02 10:27:41 2008 Page 1



Simpson HTU26

Simpson HTU26 into Beam by others.

Plate Offsets (X,Y): [1:0-2-12,0-3-0]

LOADING (psf)		SPACING	2-7-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.85	Vert(LL)	-0.33	8-9	>592	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.86	Vert(TL)	-0.64	8-9	>304	240	MT20H	187/143
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.54	Horz(TL)	0.01	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 167 lb	

LUMBER

TOP CHORD	2 X 8 SYP 2400F 2.0E *Except* 5-6 2 X 6 SYP No.1D
BOT CHORD	2 X 8 SYP 2400F 2.0E
WEBS	2 X 4 SYP No.3 *Except* 6-8 2 X 8 SYP 2400F 2.0E

BRACING

TOP CHORD	2-0-0 oc purlins (6-0-0 max.), except end verticals (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD	Rigid ceiling directly applied or 5-8-6 oc bracing.
JOINTS	1 Brace at Jt(s): 6, 5

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.

REACTIONS (lb/size) 1=1222/Mechanical, 8=1824/Mechanical
Max Horz 1=397(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-1775/0, 2-3=-1312/0, 3-4=-665/0, 4-5=0/369, 5-6=-366/1281, 8-11=-647/373, 6-11=-108/86
BOT CHORD	1-9=-624/1482, 9-12=-318/686, 12-13=-318/686, 8-13=-318/686, 7-8=0/0
WEBS	3-9=0/905, 5-10=0/88, 4-10=-941/0, 10-11=-933/0, 5-11=-1156/656, 2-9=-924/348

JOINT STRESS INDEX

1 = 0.69, 2 = 0.24, 3 = 0.33, 4 = 0.33, 5 = 0.28, 6 = 0.42, 8 = 0.77, 9 = 0.49, 10 = 0.16 and 11 = 0.38

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) 200.0lb AC unit load placed on the bottom chord, 11-8-1 from left end, supported at two points, 5-0-0 apart.
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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January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T19	ROOF TRUSS	1	1	J1921297
					Job Reference (optional)

NOTES

5) All plates are MT20 plates unless otherwise indicated.
6) Ceiling dead load (5.0 psf) on member(s). 3-4, 4-10, 10-11; Wall dead load (5.0psf) on member(s).3-9
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 8-9
8) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

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

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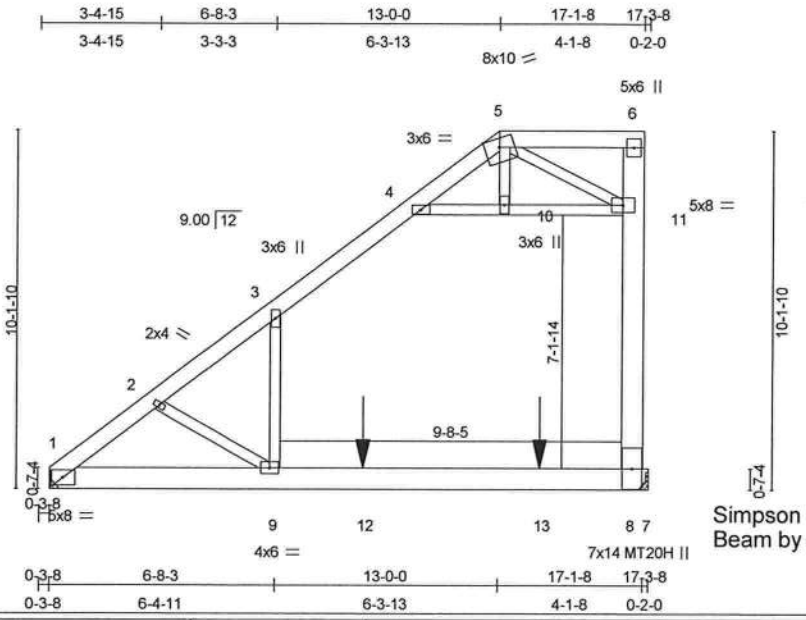
January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE	J1921298
L262683	T19A	ROOF TRUSS	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 02 10:29:08 2008 Page 1



Simpson HTU26

Simpson HTU26 into Beam by others.

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.91	Vert(LL)	-0.34	8-9	>578	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.99	Vert(TL)	-0.69	8-9	>287	240	MT20H	187/143
BCLL	10.0	* Rep Stress Incr	YES	WB	0.61	Horz(TL)	0.01	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 156 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*
6-8 2 X 8 SYP No.1D

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-9-11 oc purlins, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

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.

REACTIONS (lb/size) 1=962/Mechanical, 8=1455/Mechanical
Max Horz 1=308(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1335/0, 2-3=-1022/0, 3-4=-574/0, 4-5=-12/397, 5-6=-341/1064, 8-11=-470/278, 6-11=-93/62
BOT CHORD 1-9=-416/1118, 9-12=-257/583, 12-13=-257/583, 8-13=-257/583, 7-8=0/0
WEBS 3-9=0/589, 5-10=0/57, 4-10=-946/0, 10-11=-941/0, 5-11=-793/525, 2-9=-632/188

JOINT STRESS INDEX
1 = 0.58, 2 = 0.34, 3 = 0.23, 4 = 0.33, 5 = 0.24, 6 = 0.35, 8 = 0.68, 9 = 0.34, 10 = 0.16 and 11 = 0.32

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) 200.0lb AC unit load placed on the bottom chord, 11-8-1 from left end, supported at two points, 5-0-0 apart.
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 plates are MT20 plates unless otherwise indicated.
6) Ceiling dead load (5.0 psf) on member(s). 3-4, 4-10, 10-11; Wall dead load (5.0psf) on member(s).3-9

Continued on page 2

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January 2,2008

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T19A	ROOF TRUSS	1	1	J1921298 Job Reference (optional)

NOTES

7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 8-9
8) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

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

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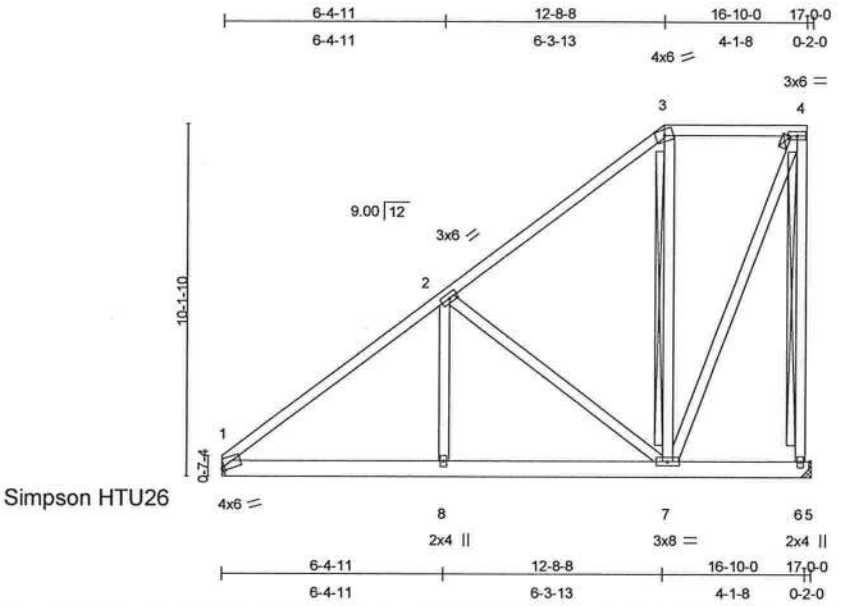
January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T20	MONO HIP	3	1	J1921299
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:35 2007 Page 1



Simpson HTU26

Simpson HTU26 into Beam by others.

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.28	Vert(LL)	0.03	1-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.14	Vert(TL)	-0.04	1-8	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.69	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 131 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-6, 3-7
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.
JOINTS 1 Brace at Jt(s): 4

REACTIONS (lb/size) 1=532/Mechanical, 6=535/Mechanical
Max Horz 1=313(load case 6)
Max Uplift 1=-50(load case 6), 6=-196(load case 6)

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=-700/117, 2-3=-327/64, 3-4=-174/134, 4-6=-507/381
BOT CHORD 1-8=-400/471, 7-8=-400/471, 6-7=-3/3, 5-6=0/0
WEBS 2-8=-1/225, 2-7=-373/332, 3-7=-170/190, 4-7=-364/464

JOINT STRESS INDEX
1 = 0.79, 2 = 0.42, 3 = 0.62, 4 = 0.48, 6 = 0.33, 7 = 0.63 and 8 = 0.33

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Continued on page 2

January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
					J1921299
L262683	T20	MONO HIP	3	1	Job Reference (optional)

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) Provide adequate drainage to prevent water ponding.
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 50 lb uplift at joint 1 and 196 lb uplift at joint 6.

LOAD CASE(S) Standard

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January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T21	MONO HIP	4	1	J1921300
					Job Reference (optional)

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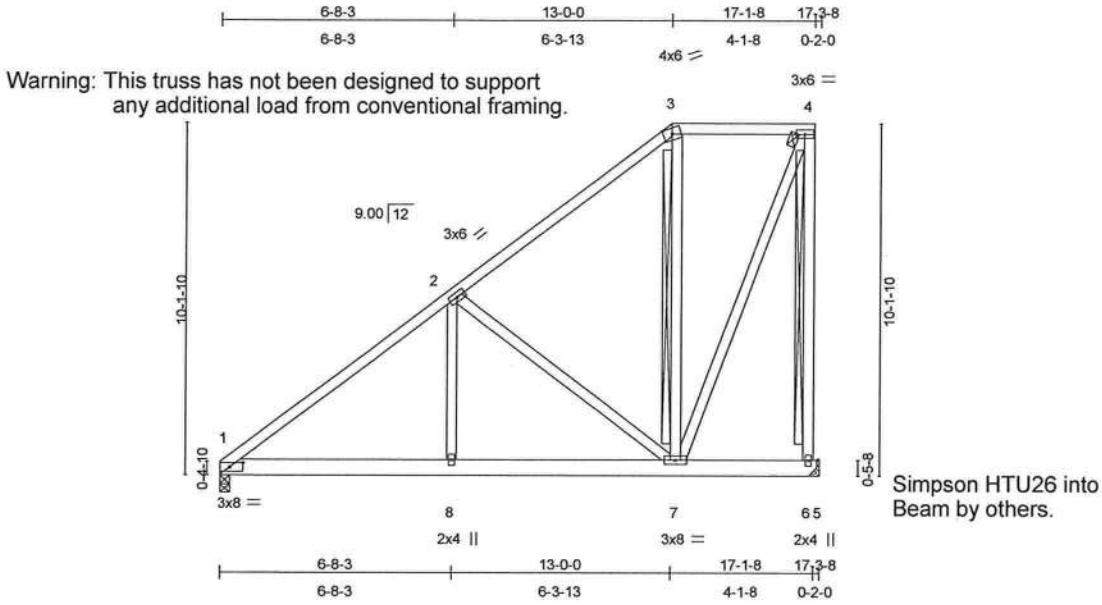

Scale = 1:62.5

Warning: This truss has not been designed to support any additional load from conventional framing.

Simpson HTU26 into Beam by others.

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	0.03	1-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.14	Vert(TL)	-0.04	1-8	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.69	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 132 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-6, 3-7
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.
JOINTS 1 Brace at Jt(s): 4

REACTIONS (lb/size) 1=539/0-3-8, 6=542/Mechanical
Max Horz 1=313(load case 6)
Max Uplift 1=-53(load case 6), 6=-196(load case 6)

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=-715/121, 2-3=-331/64, 3-4=-176/134, 4-6=-513/380
BOT CHORD 1-8=-403/487, 7-8=-403/487, 6-7=-3/3, 5-6=0/0
WEBS 2-8=-1/230, 2-7=-391/336, 3-7=-167/187, 4-7=-363/470

JOINT STRESS INDEX
1 = 0.74, 2 = 0.42, 3 = 0.61, 4 = 0.48, 6 = 0.33, 7 = 0.63 and 8 = 0.33

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January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T21	MONO HIP	4	1	J1921300 Job Reference (optional)

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) Provide adequate drainage to prevent water ponding.
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 53 lb uplift at joint 1 and 196 lb uplift at joint 6.

LOAD CASE(S) Standard

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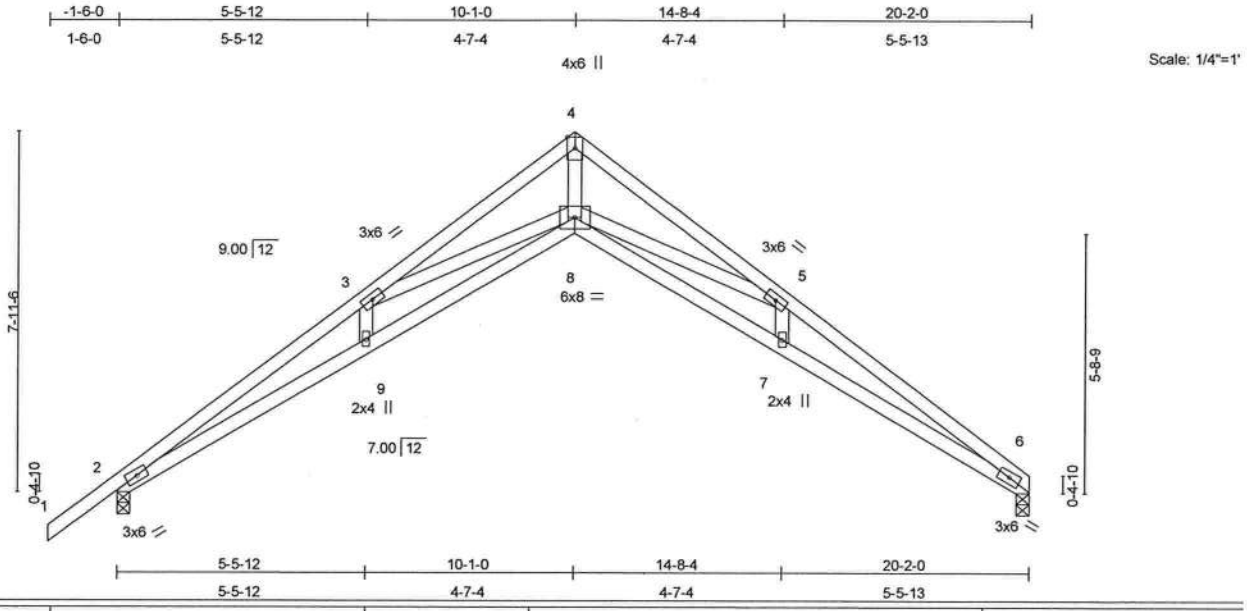
January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T22	SCISSOR	11	1	J1921301
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:37 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.38	Vert(LL)	-0.33	8	>717	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.60	Vert(TL)	-0.64	8-9	>374	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.74	Horz(TL)	0.85	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 95 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 3-4-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-9-5 oc bracing.

REACTIONS (lb/size) 2=729/0-3-8, 6=632/0-3-8
Max Horz 2=232(load case 5)
Max Uplift 2=-203(load case 6), 6=-128(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-2828/947, 3-4=-2217/471, 4-5=-2217/473, 5-6=-2879/1026
BOT CHORD 2-9=-741/2484, 8-9=-748/2499, 7-8=-825/2549, 6-7=-825/2539
WEBS 3-9=0/135, 3-8=-557/556, 4-8=-390/2303, 5-8=-603/627, 5-7=0/138

JOINT STRESS INDEX
2 = 0.82, 3 = 0.42, 4 = 0.55, 5 = 0.42, 6 = 0.82, 7 = 0.33, 8 = 0.92 and 9 = 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) 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.

Continued on page 2

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January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T22	SCISSOR	11	1	J1921301 Job Reference (optional)

NOTES

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 203 lb uplift at joint 2 and 128 lb uplift at joint 6.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T22G	SCISSOR	1	1	J1921302
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:38 2007 Page 1

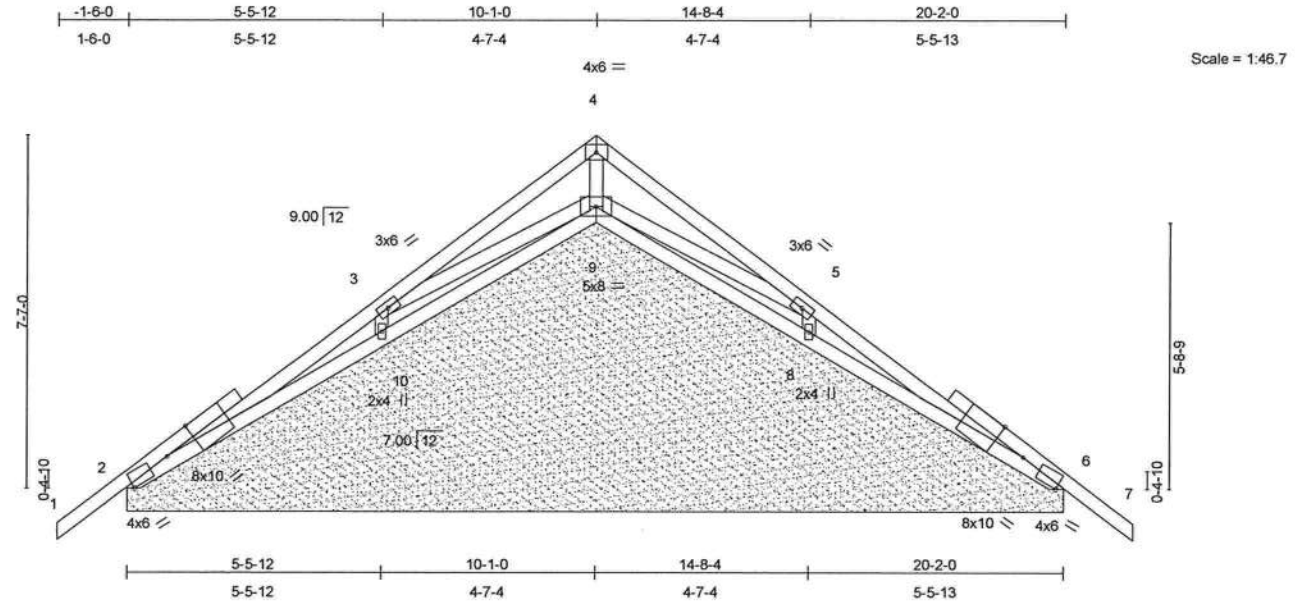

Plate Offsets (X,Y): [2:0-8-7,Edge], [2:0-11-8,Edge], [6:0-8-7,Edge], [6:0-11-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.20	Vert(LL)	0.01	7	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.15	Vert(TL)	0.03	7	n/r	90		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.08	Horz(TL)	0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 102 lb	

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

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

REACTIONS (lb/size) 2=237/20-2-0, 6=237/20-2-0, 10=364/20-2-0, 9=250/20-2-0, 8=364/20-2-0
Max Horz 2=262(load case 5)
Max Uplift 2=-210(load case 7), 6=-257(load case 7), 10=-280(load case 6), 9=-37(load case 5), 8=-267(load case 7)
Max Grav 2=237(load case 1), 6=237(load case 1), 10=371(load case 10), 9=282(load case 7), 8=371(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/42, 2-3=-157/201, 3-4=-95/139, 4-5=-95/126, 5-6=-88/87, 6-7=0/42
BOT CHORD 2-10=-86/154, 9-10=-83/148, 8-9=-37/119, 6-8=-34/115
WEBS 3-10=-303/300, 3-9=-1/142, 4-9=-208/32, 5-9=-35/161, 5-8=-303/288

JOINT STRESS INDEX
2 = 0.14, 2 = 0.13, 3 = 0.42, 4 = 0.31, 5 = 0.42, 6 = 0.14, 6 = 0.13, 8 = 0.33, 9 = 0.53 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 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.

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January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T22G	SCISSOR	1	1	J1921302 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 210 lb uplift at joint 2, 257 lb uplift at joint 6, 280 lb uplift at joint 10, 37 lb uplift at joint 9 and 267 lb uplift at joint 8.
7) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 6, 10, 9, 8.
8) Truss designed for wind loads in plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail".

LOAD CASE(S) Standard

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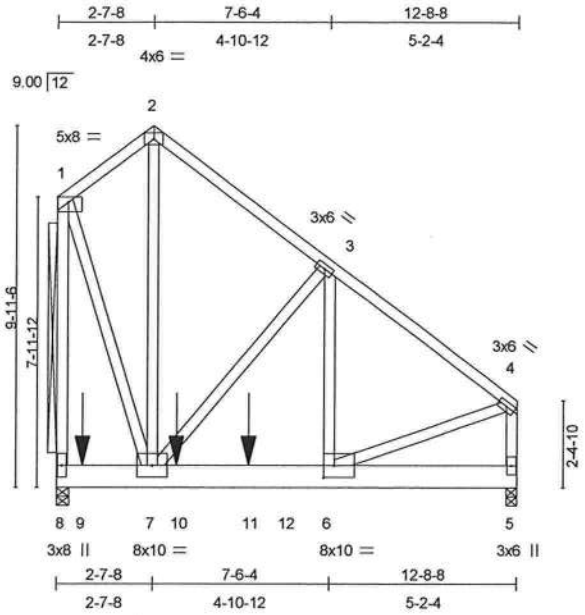
January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T23	COMMON	1	2	J1921303
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 02 10:33:23 2008 Page 1



Scale = 1:59.8

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.00	TC	0.65	Vert(LL)	-0.03	6-7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.00	BC	0.21	Vert(TL)	-0.06	6-7	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.25	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 255 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* 1-8 2 X 4 SYP No.3, 4-5 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.
WEBS	T-Brace: 2 X 4 SYP No.3 - 1-8 Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance. Brace must cover 90% of web length.

REACTIONS (lb/size) 8=3408/0-4-0, 5=2252/0-3-8
Max Horz 8=-201(load case 6)
Max Uplift 8=-1007(load case 6), 5=-555(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-882/277, 2-3=-937/267, 3-4=-1897/466, 1-8=-2619/792, 4-5=-1753/423
BOT CHORD	8-9=-62/199, 7-9=-62/199, 7-10=-325/1452, 10-11=-325/1452, 11-12=-325/1452, 6-12=-325/1452, 5-6=-62/130
WEBS	2-7=-242/854, 3-7=-1193/458, 3-6=-352/1257, 1-7=-660/2167, 4-6=-304/1424

JOINT STRESS INDEX
1 = 0.41, 2 = 0.30, 3 = 0.61, 4 = 0.72, 5 = 0.33, 6 = 0.16, 7 = 0.42 and 8 = 0.21

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 2 rows at 0-7-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.

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January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T23	COMMON	1	2	J1921303 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) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.
5) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1007 lb uplift at joint 8 and 555 lb uplift at joint 5.
8) Girder carries tie-in span(s): 16-10-0 from 6-3-8 to 12-8-8

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
   Vert: 1-2=-54, 2-4=-54, 8-12=-10, 5-12=-243(F=-233)
   Concentrated Loads (lb)
   Vert: 9=-1222(F) 10=-1222(F) 11=-962(F)

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January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T24	HIP	1	1	J1921304
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 02 10:34:03 2008 Page 1

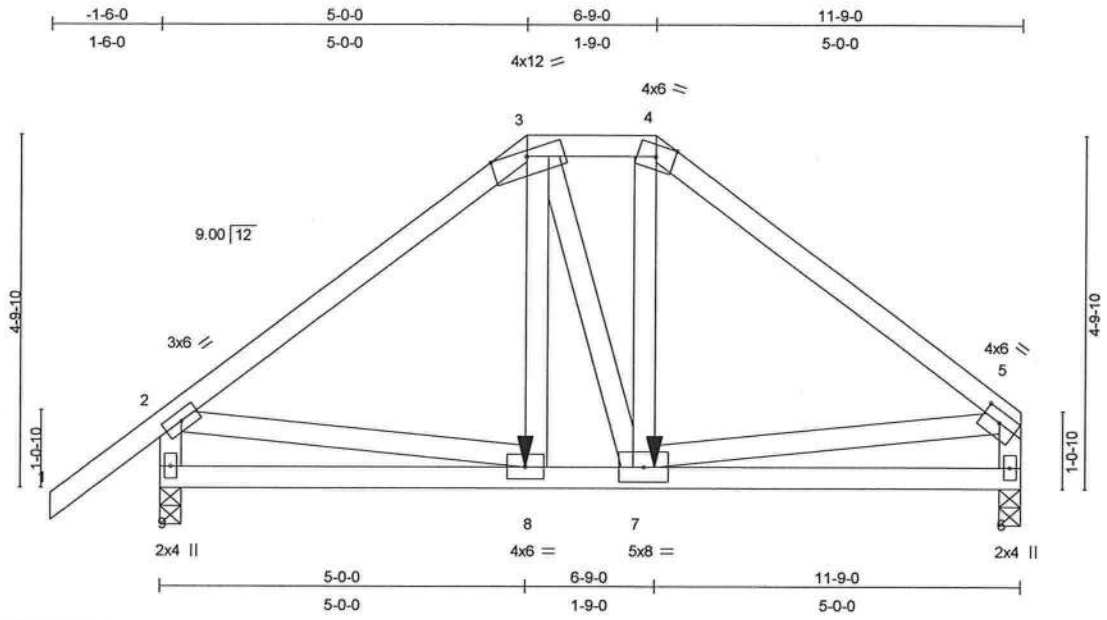

Plate Offsets (X,Y): [5:0-3-0,0-1-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.40	Vert(LL)	0.02	8-9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.14	Vert(TL)	-0.02	8-9	>999	240		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.12	Horz(TL)	-0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 77 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) 9=686/0-3-8, 6=584/0-3-8
Max Horz 9=158(load case 4)
Max Uplift 9=-443(load case 5), 6=-369(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/53, 2-3=-684/420, 3-4=-488/381, 4-5=-688/417, 2-9=-654/391, 5-6=-553/317
BOT CHORD 8-9=-253/106, 7-8=-371/483, 6-7=-142/173
WEBS 3-8=-176/160, 3-7=-111/96, 4-7=-248/233, 2-8=-271/377, 5-7=-277/335

JOINT STRESS INDEX
2 = 0.52, 3 = 0.44, 4 = 0.29, 5 = 0.75, 6 = 0.68, 7 = 0.15, 8 = 0.16 and 9 = 0.68

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; end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 443 lb uplift at joint 9 and 369 lb uplift at joint 6.

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January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T24	HIP	1	1	J1921304
					Job Reference (optional)

NOTES

7) Girder carries hip end with 5-0-0 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: 1-2=-54, 2-3=-54, 3-4=-91(F=-37), 4-5=-54, 8-9=-10, 7-8=-17(F=-7), 6-7=-10

Concentrated Loads (lb)

Vert: 8=-187(F) 7=-187(F)

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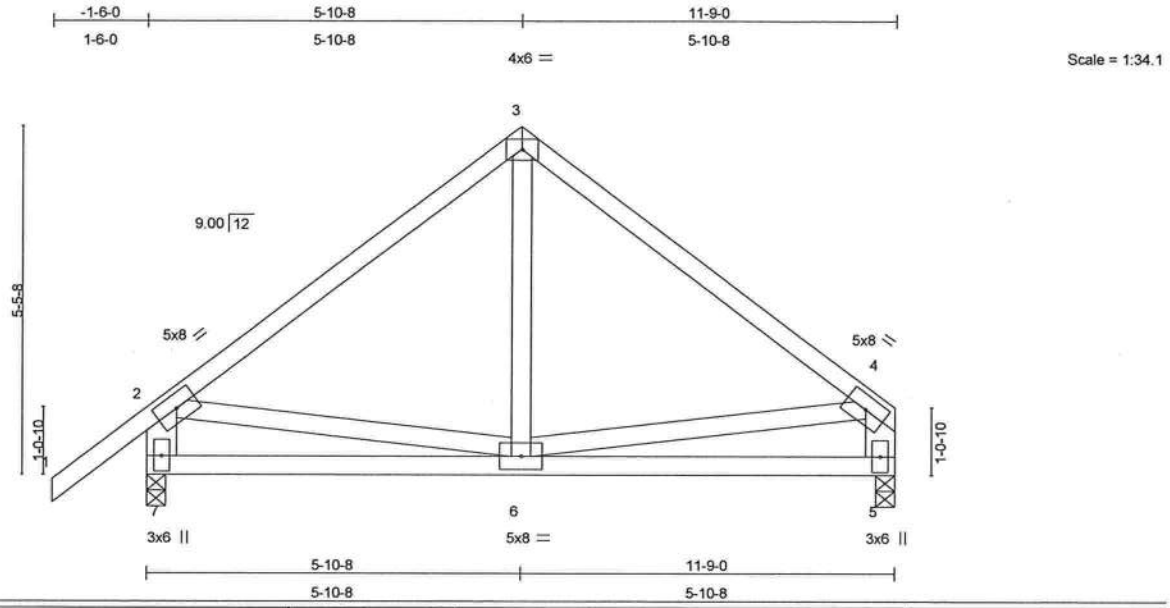
January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE	J1921305
L262683	T25	COMMON	2	1	Job Reference (optional)	

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:41 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.24	Vert(LL)	0.04	5-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	-0.02	5-6	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.15	Horz(TL)	-0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 69 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*
2-7 2 X 6 SYP No.1D, 4-5 2 X 6 SYP No.1D

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

REACTIONS (lb/size) 7=462/0-3-8, 5=354/0-3-8
Max Horz 7=178(load case 5)
Max Uplift 7=-289(load case 6), 5=-211(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/56, 2-3=-371/465, 3-4=-370/464, 2-7=-433/479, 4-5=-325/362
BOT CHORD 6-7=-304/139, 5-6=-301/204
WEBS 3-6=-324/156, 2-6=-142/150, 4-6=-140/169

JOINT STRESS INDEX
2 = 0.72, 3 = 0.55, 4 = 0.72, 5 = 0.42, 6 = 0.07 and 7 = 0.42

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; end vertical left and right exposed; 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

Continued on page 2

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January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
					J1921305
L262683	T25	COMMON	2	1	Job Reference (optional)

NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 289 lb uplift at joint 7 and 211 lb uplift at joint 5.

LOAD CASE(S) Standard

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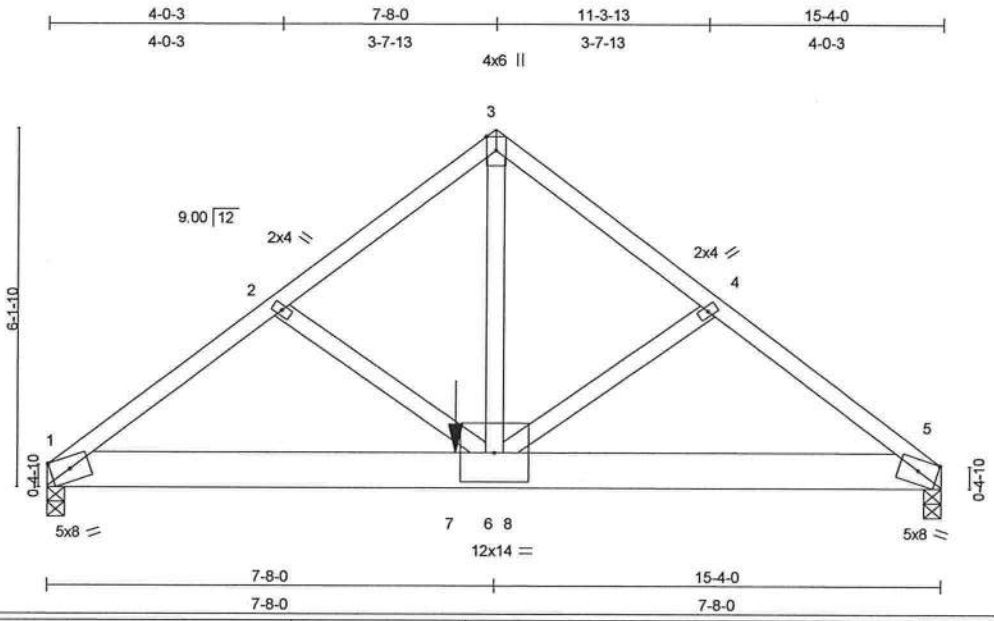
January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T26	COMMON	1	2	J1921306
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 02 10:34:55 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	0.48	Vert(LL)	-0.12	5-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.71	Vert(TL)	-0.24	5-6	>762	240		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.51	Horz(TL)	0.02	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 194 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-3-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=3016/0-3-8, 5=5026/0-3-8
Max Horz 1=-157(load case 3)
Max Uplift 1=-818(load case 5), 5=-1415(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-4969/1372, 2-3=-4805/1375, 3-4=-4837/1380, 4-5=-5037/1392
BOT CHORD 1-7=-1104/3903, 6-7=-1104/3903, 6-8=-1092/4039, 5-8=-1092/4039
WEBS 2-6=-117/116, 3-6=-1561/5505, 4-6=-287/167

JOINT STRESS INDEX
1 = 0.50, 2 = 0.06, 3 = 0.68, 4 = 0.06, 5 = 0.50 and 6 = 0.37

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 2 rows at 0-4-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.

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January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T26	COMMON	1	2	J1921306
					Job Reference (optional)

NOTES

5) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 818 lb uplift at joint 1 and 1415 lb uplift at joint 5.
8) Girder carries tie-in span(s): 39-10-0 from 8-0-0 to 15-4-0

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-54, 3-5=-54, 1-8=-10, 5-8=-611(F=-601)
   Concentrated Loads (lb)
   Vert: 7=-2762(F)

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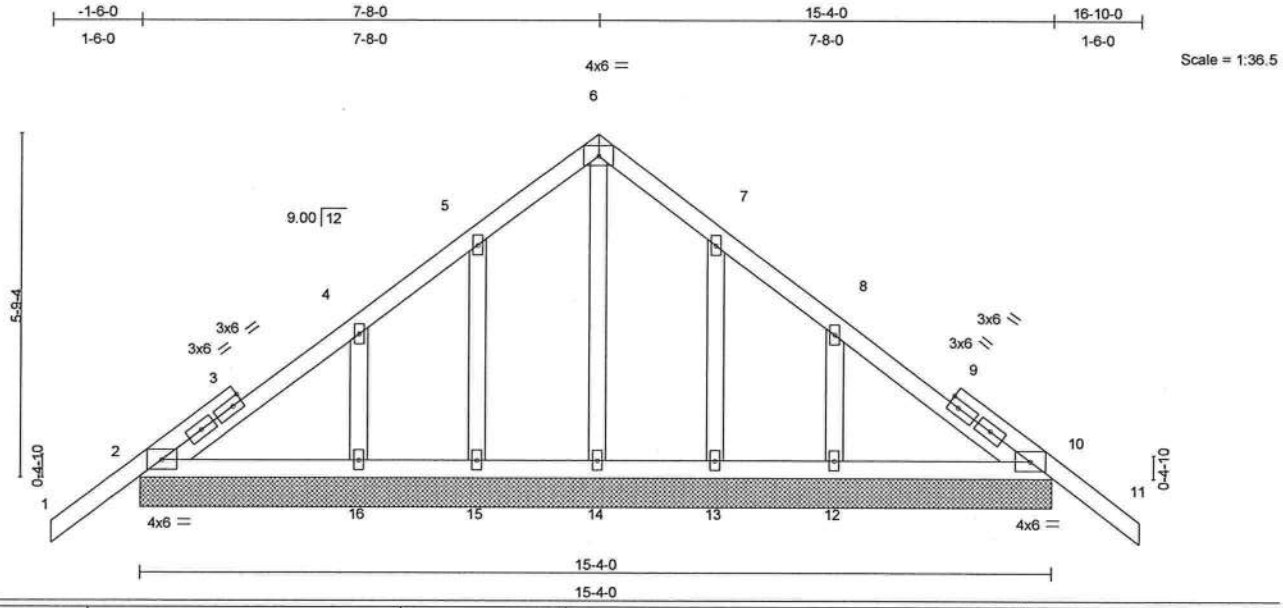
January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T26G	GABLE	1	1	J1921307
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:42 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.15	Vert(LL)	-0.00	11	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.05	Vert(TL)	-0.00	11	n/r	90		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.07	Horz(TL)	0.00	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 87 lb	

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

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

REACTIONS (lb/size) 2=193/15-4-0, 10=193/15-4-0, 14=153/15-4-0, 15=103/15-4-0, 16=199/15-4-0, 13=103/15-4-0, 12=199/15-4-0
Max Horz 2=-195(load case 4)
Max Uplift 2=-103(load case 6), 10=-124(load case 7), 15=-105(load case 6), 16=-138(load case 6), 13=-101(load case 7), 12=-143(load case 7)
Max Grav 2=195(load case 10), 10=195(load case 11), 14=153(load case 1), 15=107(load case 10), 16=199(load case 1), 13=107(load case 11), 12=199(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-141/107, 3-4=-130/122, 4-5=-63/106, 5-6=-24/143, 6-7=-24/143, 7-8=-32/71, 8-9=-68/68, 9-10=-78/46, 10-11=0/47
BOT CHORD 2-16=-23/182, 15-16=-23/182, 14-15=-23/182, 13-14=-23/182, 12-13=-23/182, 10-12=-23/182
WEBS 6-14=-129/0, 5-15=-96/114, 4-16=-160/157, 7-13=-96/111, 8-12=-160/161

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JOINT STRESS INDEX
2 = 0.73, 3 = 0.00, 3 = 0.16, 3 = 0.16, 4 = 0.08, 5 = 0.06, 6 = 0.10, 7 = 0.06, 8 = 0.08, 9 = 0.00, 9 = 0.16, 9 = 0.16, 10 = 0.73, 12 = 0.09, 13 = 0.06, 14 = 0.05, 15 = 0.06 and 16 = 0.09

Continued on page 2

January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T26G	GABLE	1	1	J1921307 Job Reference (optional)

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 103 lb uplift at joint 2, 124 lb uplift at joint 10, 105 lb uplift at joint 15, 138 lb uplift at joint 16, 101 lb uplift at joint 13 and 143 lb uplift at joint 12.

LOAD CASE(S) Standard

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January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T27	COMMON	3	1	J1921308
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:43 2007 Page 1

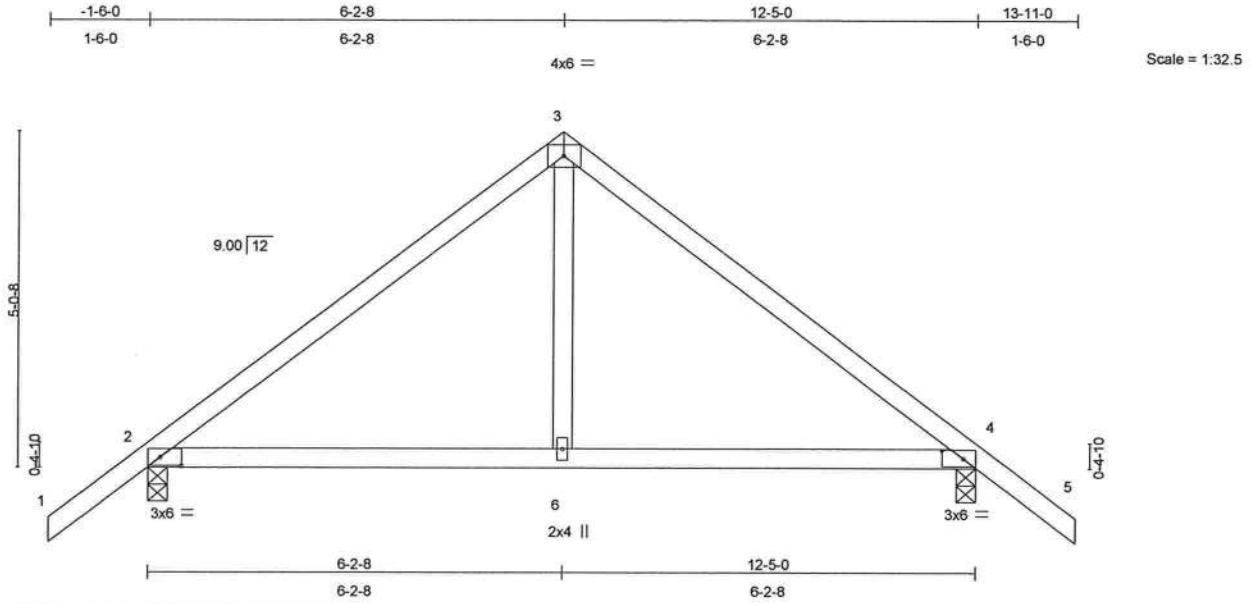

Plate Offsets (X,Y): [2:0-3-13,0-1-8], [4:0-3-13,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.25	Vert(LL)	-0.03	4-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.20	Vert(TL)	-0.05	4-6	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.07	Horz(TL)	0.01	4	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.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=477/0-3-8, 4=477/0-3-8
Max Horz 2=129(load case 5)
Max Uplift 2=-154(load case 6), 4=-154(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-456/190, 3-4=-456/190, 4-5=0/48
BOT CHORD 2-6=-8/287, 4-6=-8/287
WEBS 3-6=0/212

JOINT STRESS INDEX
2 = 0.60, 3 = 0.66, 4 = 0.60 and 6 = 0.15

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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January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T27	COMMON	3	1	J1921308 Job Reference (optional)

NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 154 lb uplift at joint 2 and 154 lb uplift at joint 4.

LOAD CASE(S) Standard

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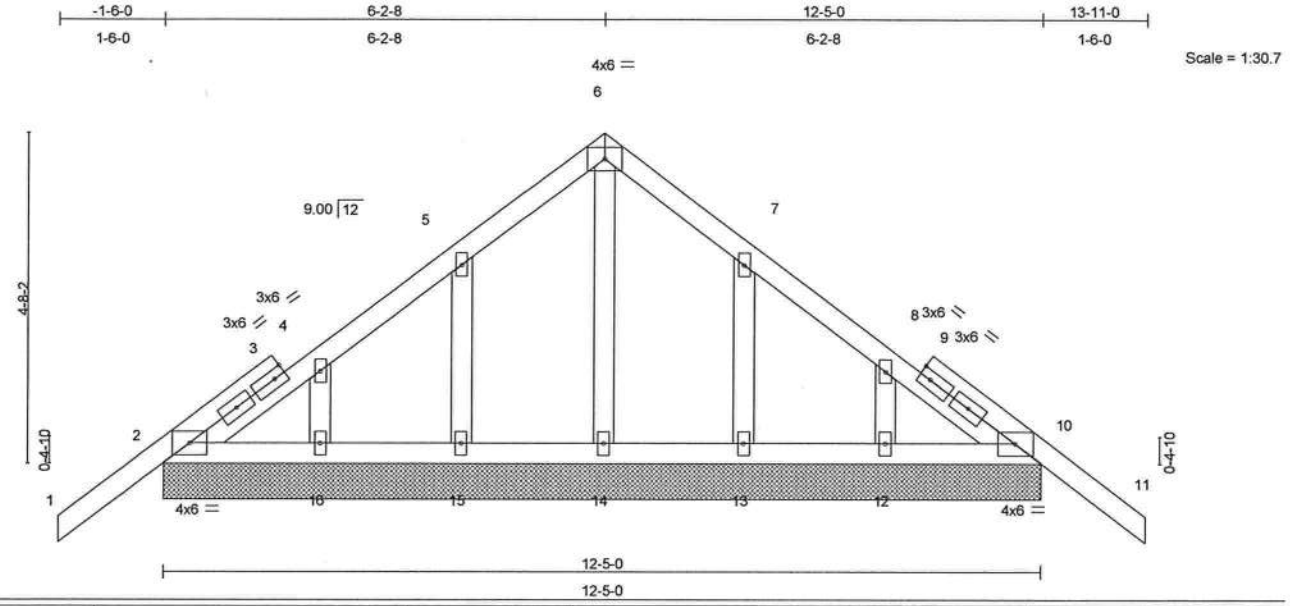
January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T27G	GABLE	1	1	J1921309
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:44 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.15	Vert(LL)	-0.01	11	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.04	Vert(TL)	-0.01	11	n/r	90		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.03	Horz(TL)	0.00	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 69 lb	

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

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

REACTIONS (lb/size) 2=183/12-5-0, 10=183/12-5-0, 14=100/12-5-0, 15=132/12-5-0, 16=114/12-5-0, 13=132/12-5-0, 12=114/12-5-0
Max Horz 2=157(load case 5)
Max Uplift 2=-121(load case 6), 10=-139(load case 7), 15=-124(load case 6), 16=-62(load case 7), 13=-122(load case 7), 12=-61(load case 7)
Max Grav 2=183(load case 1), 10=183(load case 1), 14=100(load case 1), 15=137(load case 10), 16=114(load case 1), 13=137(load case 11), 12=114(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-113/92, 3-4=-106/102, 4-5=-72/95, 5-6=-55/138, 6-7=-55/138, 7-8=-53/52, 8-9=-53/49, 9-10=-61/39, 10-11=0/47
BOT CHORD 2-16=-15/138, 15-16=-15/138, 14-15=-15/138, 13-14=-15/138, 12-13=-15/138, 10-12=-15/138
WEBS 6-14=-85/0, 5-15=-116/132, 4-16=-97/85, 7-13=-116/130, 8-12=-97/87

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JOINT STRESS INDEX
2 = 0.61, 3 = 0.00, 3 = 0.13, 3 = 0.13, 4 = 0.05, 5 = 0.07, 6 = 0.09, 7 = 0.07, 8 = 0.05, 9 = 0.00, 9 = 0.13, 9 = 0.13, 10 = 0.61, 12 = 0.05, 13 = 0.07, 14 = 0.03, 15 = 0.07 and 16 = 0.05

Continued on page 2

January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
					J1921309
L262683	T27G	GABLE	1	1	Job Reference (optional)

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 121 lb uplift at joint 2, 139 lb uplift at joint 10, 124 lb uplift at joint 15, 62 lb uplift at joint 16, 122 lb uplift at joint 13 and 61 lb uplift at joint 12.

LOAD CASE(S) Standard

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January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T28	COMMON	1	1	J1921310
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:45 2007 Page 1

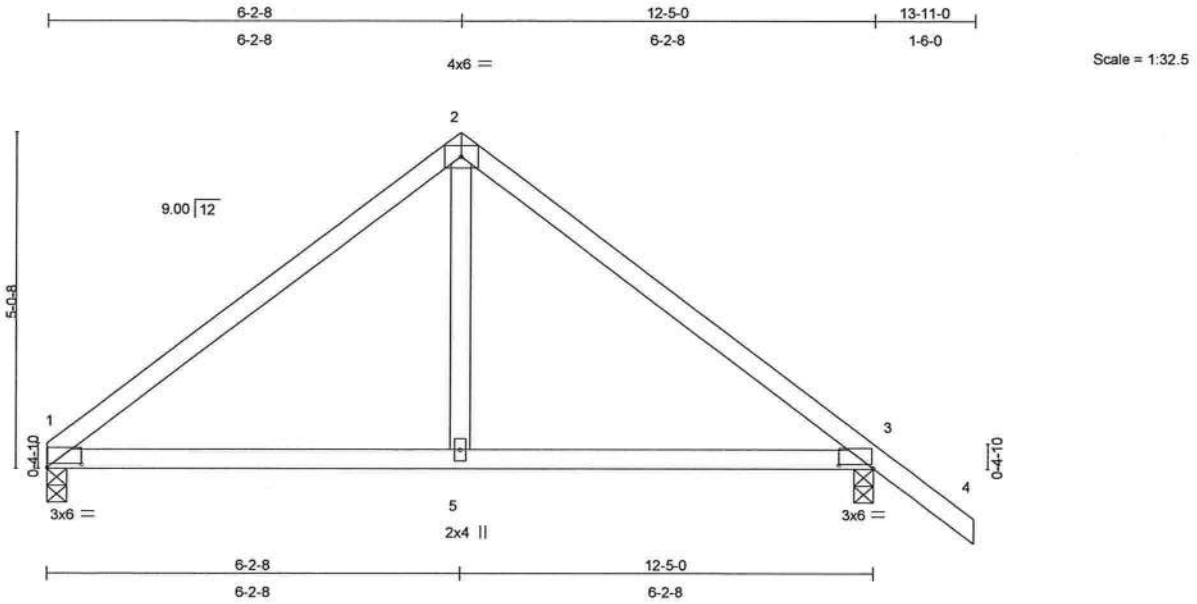

Plate Offsets (X,Y): [1:0-6-3,0-0-10], [3:0-6-3,0-0-10]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.26	Vert(LL)	-0.04	1-5	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.22	Vert(TL)	-0.07	1-5	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.07	Horz(TL)	0.01	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 51 lb	

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

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=382/0-3-8, 3=483/0-3-8
Max Horz 1=-151(load case 4)
Max Uplift 1=-77(load case 6), 3=-155(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-467/207, 2-3=-470/213, 3-4=0/48
BOT CHORD 1-5=-22/299, 3-5=-22/299
WEBS 2-5=0/215

JOINT STRESS INDEX
1 = 0.68, 2 = 0.70, 3 = 0.68 and 5 = 0.15

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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Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T28	COMMON	1	1	J1921310 Job Reference (optional)

NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 77 lb uplift at joint 1 and 155 lb uplift at joint 3.

LOAD CASE(S) Standard

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January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T29	COMMON	2	1	J1921311
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:45 2007 Page 1

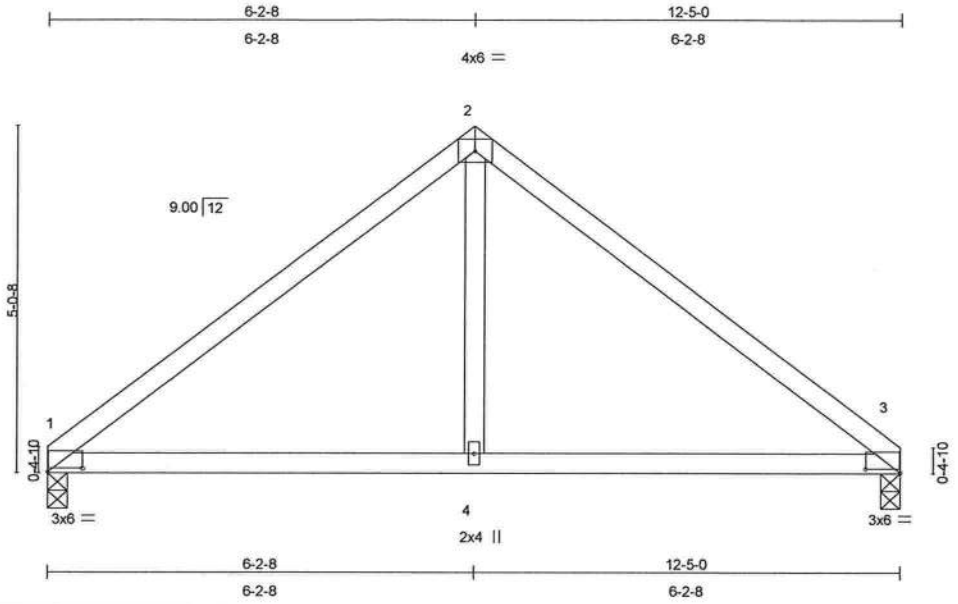

Plate Offsets (X,Y): [1:0-6-3,0-0-10], [3:0-6-3,0-0-10]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	-0.04	3-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.22	Vert(TL)	-0.07	3-4	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.07	Horz(TL)	0.01	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 49 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=388/0-3-8, 3=388/0-3-8
Max Horz 1=131(load case 5)
Max Uplift 1=-79(load case 6), 3=-79(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-481/230, 2-3=-481/230
BOT CHORD 1-4=-71/310, 3-4=-71/310
WEBS 2-4=-13/217

JOINT STRESS INDEX
1 = 0.68, 2 = 0.74, 3 = 0.68 and 4 = 0.15

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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January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T29	COMMON	2	1	J1921311 Job Reference (optional)

NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 79 lb uplift at joint 1 and 79 lb uplift at joint 3.

LOAD CASE(S) Standard

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January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T30	COMMON	2	1	J1921312
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:46 2007 Page 1

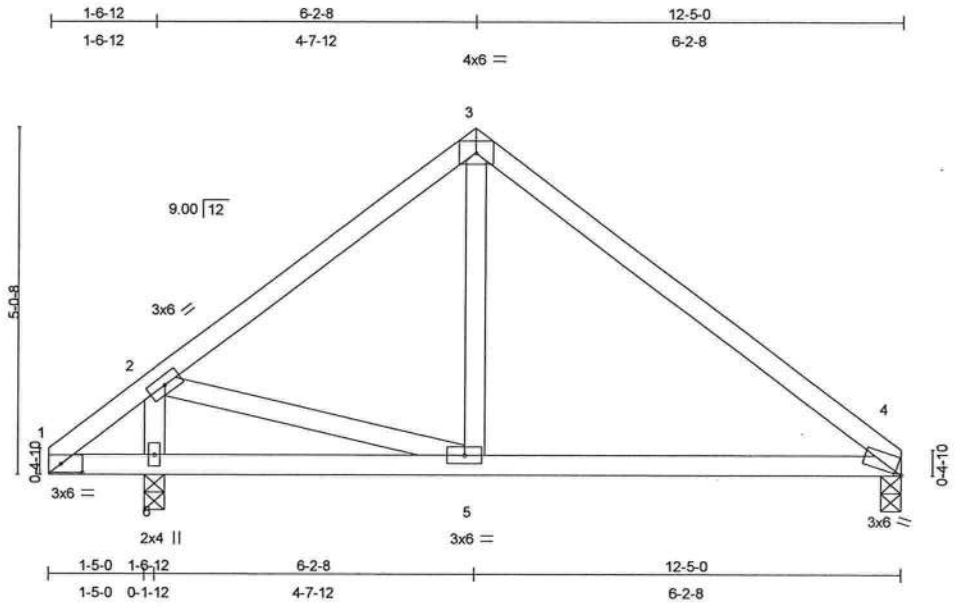

Plate Offsets (X,Y): [1:0-3-13,0-1-8], [4:0-1-1,0-0-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.30	Vert(LL)	0.05	4-5	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.21	Vert(TL)	-0.07	4-5	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.08	Horz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 57 lb	

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

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

REACTIONS (lb/size) 4=335/0-3-8, 6=450/0-3-8
Max Horz 6=131(load case 5)
Max Uplift 4=-70(load case 7), 6=-92(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-24/68, 2-3=-347/196, 3-4=-382/178
BOT CHORD 1-6=-35/26, 5-6=-150/157, 4-5=-25/229
WEBS 2-6=-429/261, 2-5=-77/253, 3-5=0/144

JOINT STRESS INDEX
1 = 0.12, 2 = 0.16, 3 = 0.60, 4 = 0.83, 5 = 0.14 and 6 = 0.15

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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January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
					J1921312
L262683	T30	COMMON	2	1	Job Reference (optional)

NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 70 lb uplift at joint 4 and 92 lb uplift at joint 6.

LOAD CASE(S) Standard

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January 2,2008

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
L262683	T31	SPECIAL	6	1	J1921313
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 14:01:47 2007 Page 1

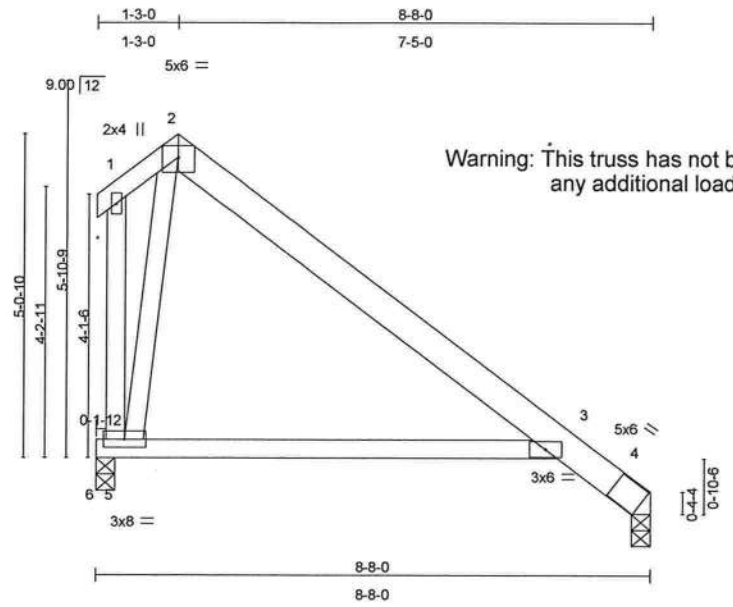

Plate Offsets (X,Y): [2:0-2-15,1-9-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	0.07	3-5	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.18	Vert(TL)	-0.13	3-5	>771	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.14	Horz(TL)	0.04	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 48 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except* 2-4 2 X 6 SYP No.1D
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) 4=266/0-3-8, 5=266/0-3-8
Max Horz 5=-163(load case 7)
Max Uplift 4=-37(load case 7), 5=-94(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-80/93, 2-3=-152/31, 3-4=-139/63, 1-5=-144/156
BOT CHORD 5-6=0/0, 3-5=-3/166
WEBS 2-5=-357/345

JOINT STRESS INDEX
1 = 0.46, 2 = 0.80, 2 = 0.00, 3 = 0.50 and 5 = 0.80

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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January 2,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAPKA RESIDENCE
					J1921313
L262683	T31	SPECIAL	6	1	Job Reference (optional)

NOTES

5) Bearing at joint(s) 4 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 37 lb uplift at joint 4 and 94 lb uplift at joint 5.

LOAD CASE(S) Standard

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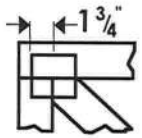
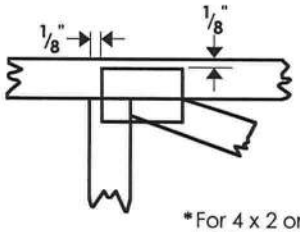
January 2,2008

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

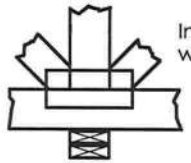
4 x 4

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

LATERAL BRACING

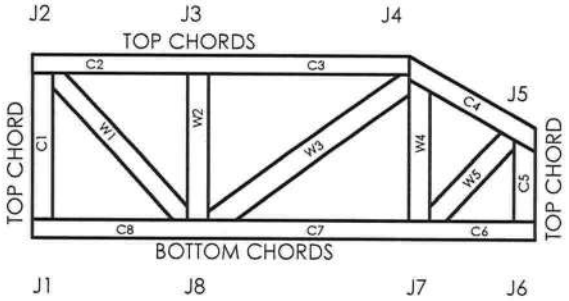
Indicates location of required continuous lateral bracing.

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 * GROUP A	(1) 1X4 "L" BRACE * GROUP B	(1) 2X4 "L" BRACE * GROUP A	(1) 2X4 "L" BRACE * GROUP B	(2) 2X4 "L" BRACE ** GROUP A	(2) 2X4 "L" BRACE ** GROUP B	(1) 2X6 "L" BRACE * GROUP A	(1) 2X6 "L" BRACE * GROUP B	(2) 2X6 "L" BRACE ** GROUP A	(2) 2X6 "L" BRACE ** GROUP B
24" O.C.	SPF HF	#1 / #2	3' 4"	6' 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"	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' 6"	12' 9"	14' 0"	14' 0"
		#3	3' 9"	6' 0"	8' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"
		STUD	3' 9"	8' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"
		STANDARD	3' 9"	5' 2"	6' 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' 6"	9' 11"	12' 6"	12' 8"	14' 0"	14' 0"
		STUD	4' 0"	6' 1"	6' 1"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 6"	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' 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' 6"	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' 8"	12' 8"	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

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.

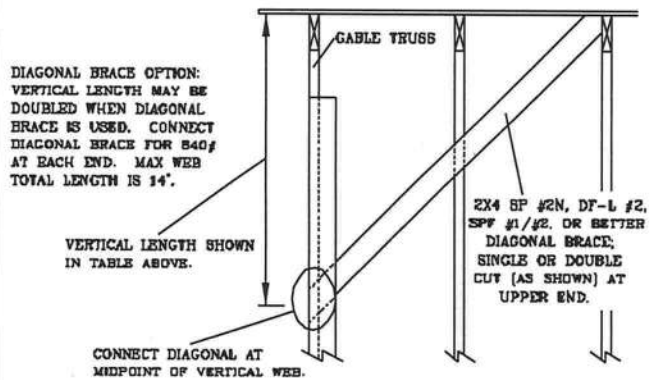
ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

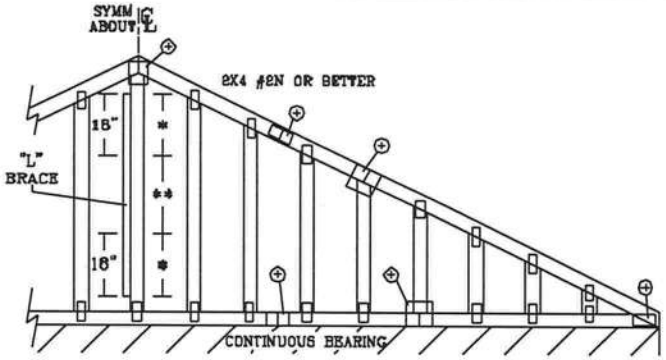
"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

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.





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

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"	6' 8"	6' 6"	6' 9"	7' 10"	8' 0"	10' 3"	10' 7"	12' 3"	12' 7"
		#3	3' 1"	4' 5"	4' 5"	5' 10"	5' 10"	7' 10"	7' 10"	9' 1"	9' 1"	12' 3"	12' 3"
		STUD	3' 1"	4' 5"	4' 5"	5' 10"	5' 10"	7' 10"	7' 10"	9' 1"	9' 1"	12' 3"	12' 3"
		STANDARD	2' 11"	3' 9"	3' 9"	5' 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' 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' 6"	6' 0"	6' 0"	7' 10"	8' 1"	9' 4"	9' 4"	12' 3"	12' 6"
		STUD	3' 3"	4' 6"	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"	5' 1"	5' 1"	6' 11"	6' 11"	8' 0"	8' 0"	10' 10"	10' 10"
16" O.C.	SPF HF	#1 / #2	3' 8"	6' 4"	6' 6"	7' 6"	7' 8"	8' 11"	9' 2"	11' 9"	12' 1"	14' 0"	14' 0"
		#3	3' 7"	5' 5"	5' 5"	7' 2"	7' 2"	8' 11"	8' 11"	11' 2"	11' 2"	14' 0"	14' 0"
		STUD	3' 7"	5' 5"	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"	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' 5"	11' 5"	11' 5"	14' 0"	14' 0"
		STUD	3' 9"	5' 6"	5' 6"	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

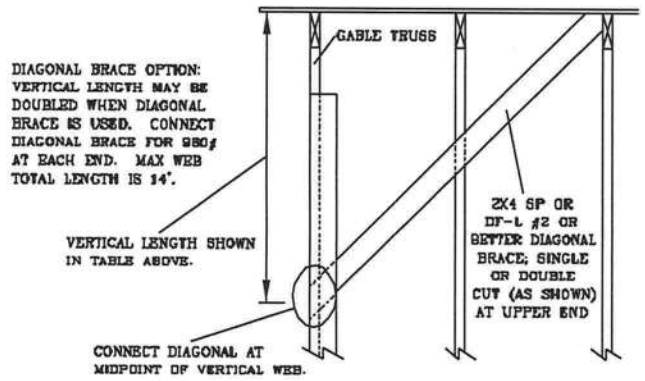
#1 & BTR
#1

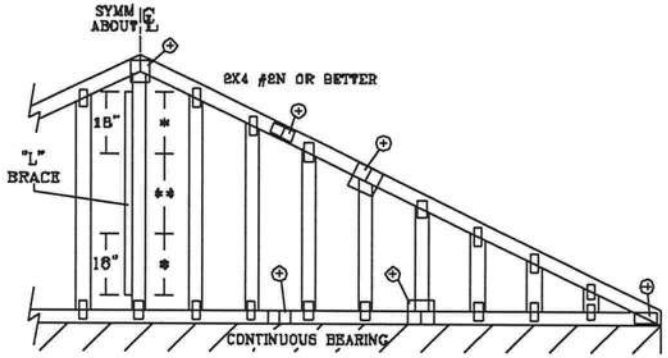
SOUTHERN PINE

#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 (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' 6"	2X4
GREATER THAN 11' 6"	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.
1456 SW 4th AVENUE
DELRAY BEACH, FL. 33444-2161

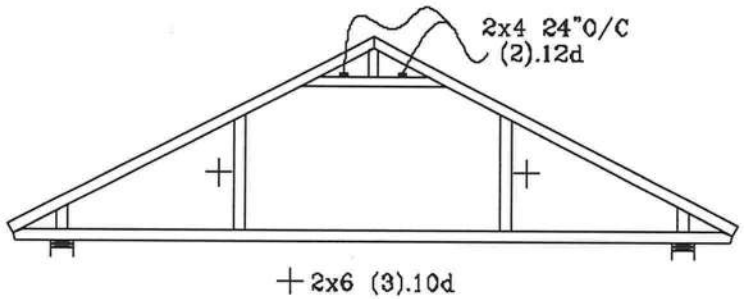
No: 34869
STATE OF FLORIDA

MAX. TOT. LD. 60 PSF

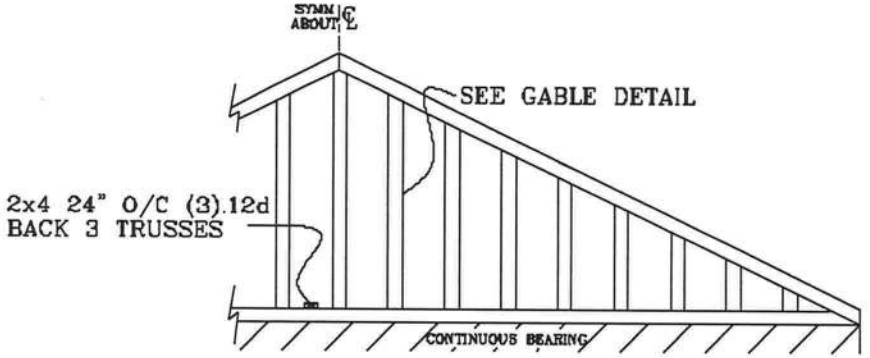
MAX. SPACING 24.0"

REF ASCE7-02-GAB13030
DATE 11/26/03
DWG MITEK STD GABLE 30' E H7
-ENG

TYPICAL ATTIC TRUSS BRACING

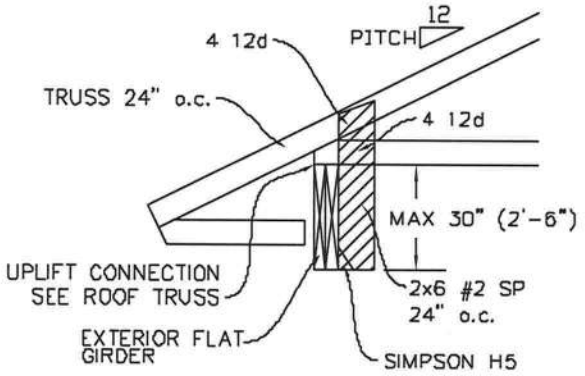


GABLE END TRUSS DETAIL

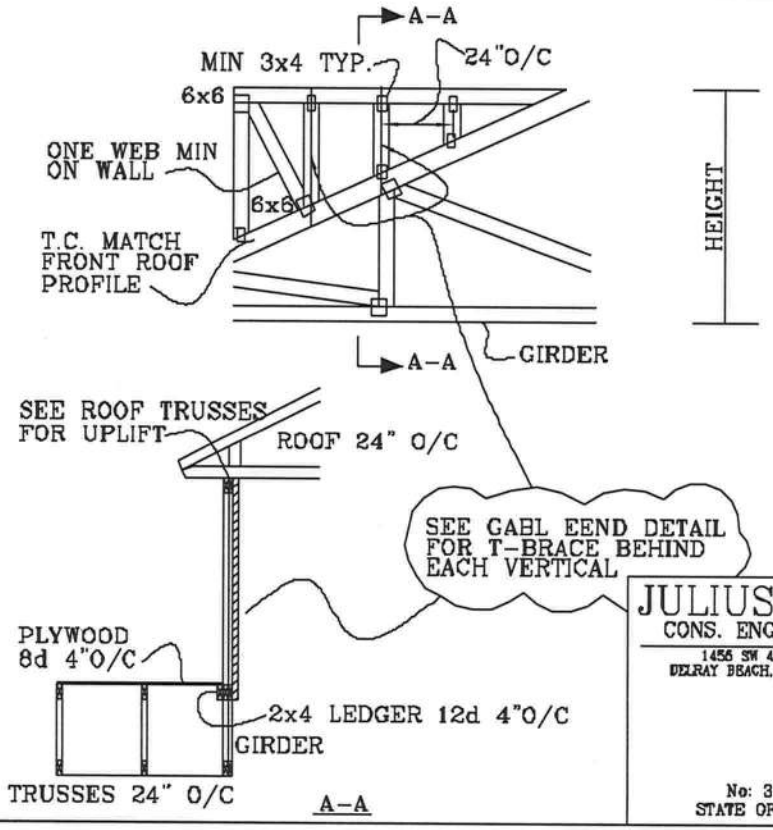


MINIMUM BC BRACING ON GABLE TRUSS. OTHER PERMANENT BRACING DESIGNS BY ARCHITECT OR EOR

TYPICAL ALTERNATE BRACING DETAIL FOR EXTERIOR FLAT GIRDER TRUSS



TYPICAL WALL GIRDER VERTICAL WEB BRACING DETAIL



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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

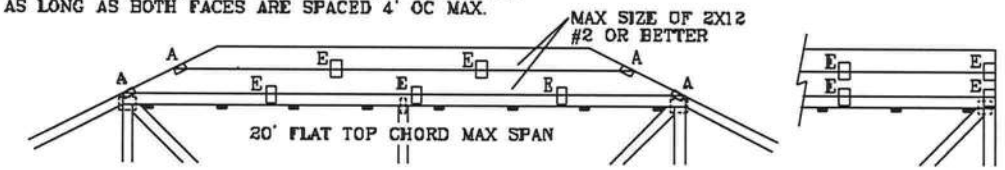
110 MPH WIND, 30' MEAN HGT, FBC ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF WIND TC DL=5 PSF, WIND BC DL=5 PSF

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

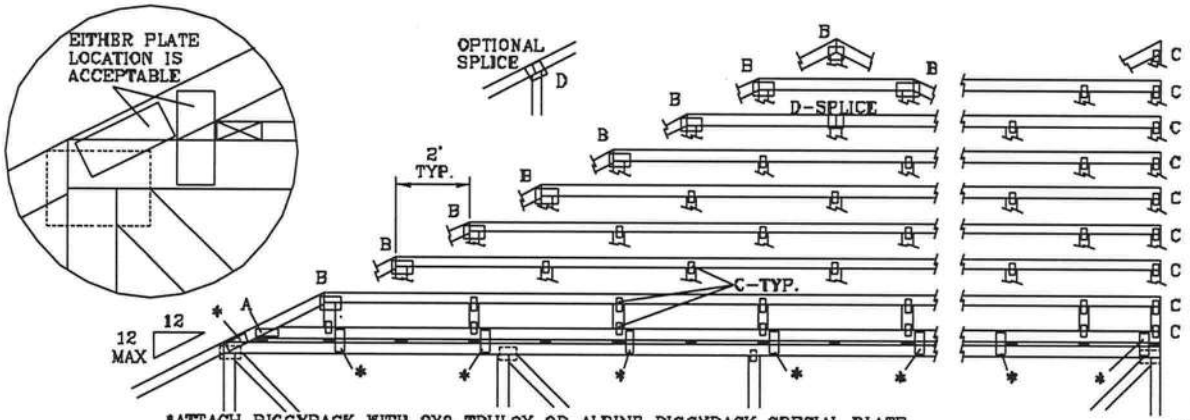
FRONT FACE (E,*) PLATES MAY BE OFFSET FROM BACK FACE PLATES AS LONG AS BOTH FACES ARE SPACED 4' OC MAX.

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	4X6 OR 3X6 TRULOX AT 4' OC, ROTATED VERTICALLY			

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

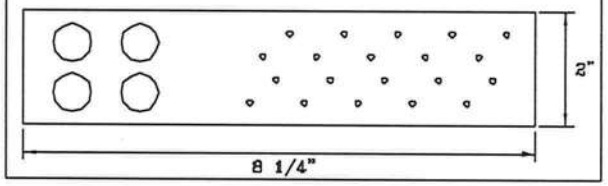


WEB BRACING CHART	
WEB LENGTH	REQUIRED BRACING
0' TO 7'9"	NO BRACING
7'9" TO 10'	1x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER. OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 8d NAILS AT 4" OC.
10' TO 14'	2x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER. OR BETTER, AND 80% LENGTH OF WEB MEMBER.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

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.

JULIUS LEE'S
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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".

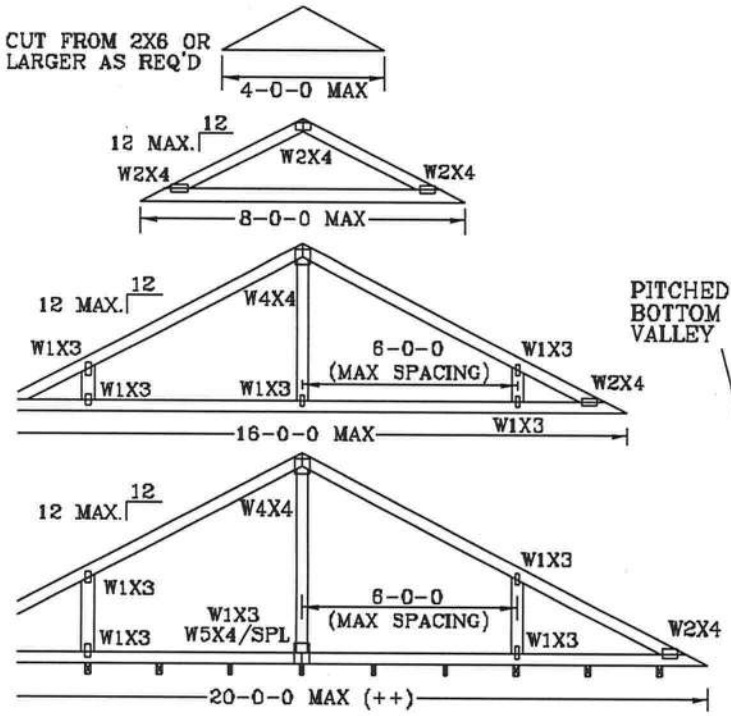
MAXIMUM VALLEY VERTICAL HEIGHT MAY NOT EXCEED 12'0".

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.

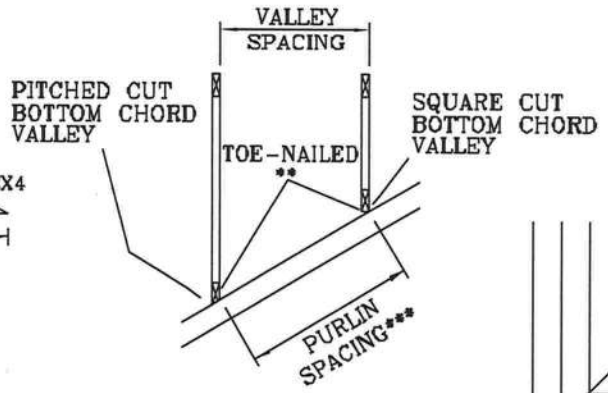
*** NOTE THAT THE PURLIN SPACING FOR BRACING THE TOP CHORD OF THE TRUSS BENEATH THE VALLEY IS MEASURED ALONG THE SLOPE OF THE TOP CHORD.

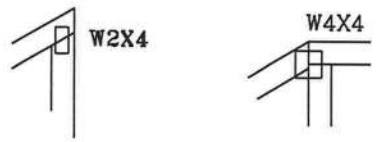
++ LARGER SPANS MAY BE BUILT AS LONG AS THE VERTICAL HEIGHT DOES NOT EXCEED 12'0".

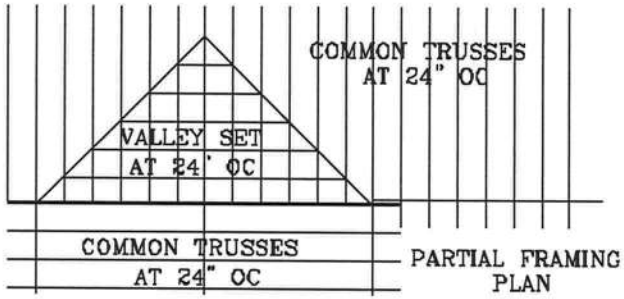
BOTTOM CHORD MAY BE SQUARE OR PITCHED CUT AS SHOWN.



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.

JULIUS LEE'S
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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	
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."

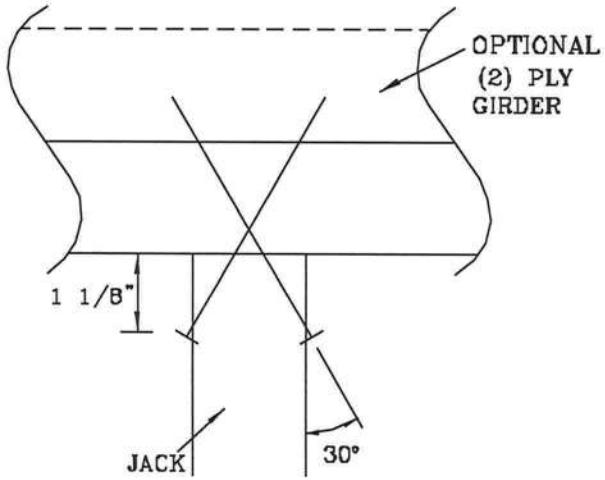
THE NUMBER OF TOE-NAILS TO BE USED IN A SPECIFIC APPLICATION IS DEPENDENT UPON PROPERTIES FOR THE CHORD SIZE, LUMBER SPECIES, AND NAIL TYPE. PROPER CONSTRUCTION PRACTICES AS WELL AS GOOD JUDGEMENT SHOULD DETERMINE THE NUMBER OF NAILS TO BE USED.

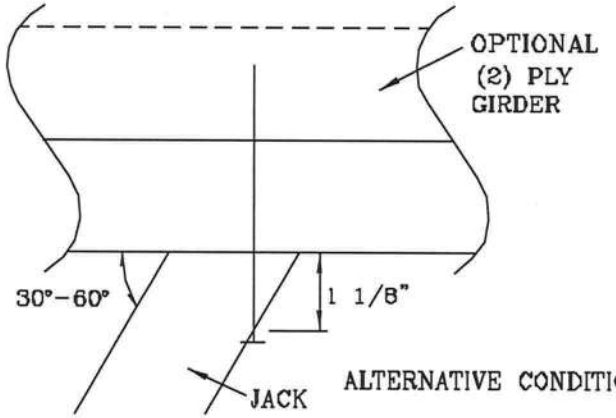
THIS DETAIL DISPLAYS A TOE-NAILED CONNECTION FOR JACK FRAMING INTO A SINGLE OR DOUBLE PLY SUPPORTING GIRDER.

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: 34869
STATE OF FLORIDA

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

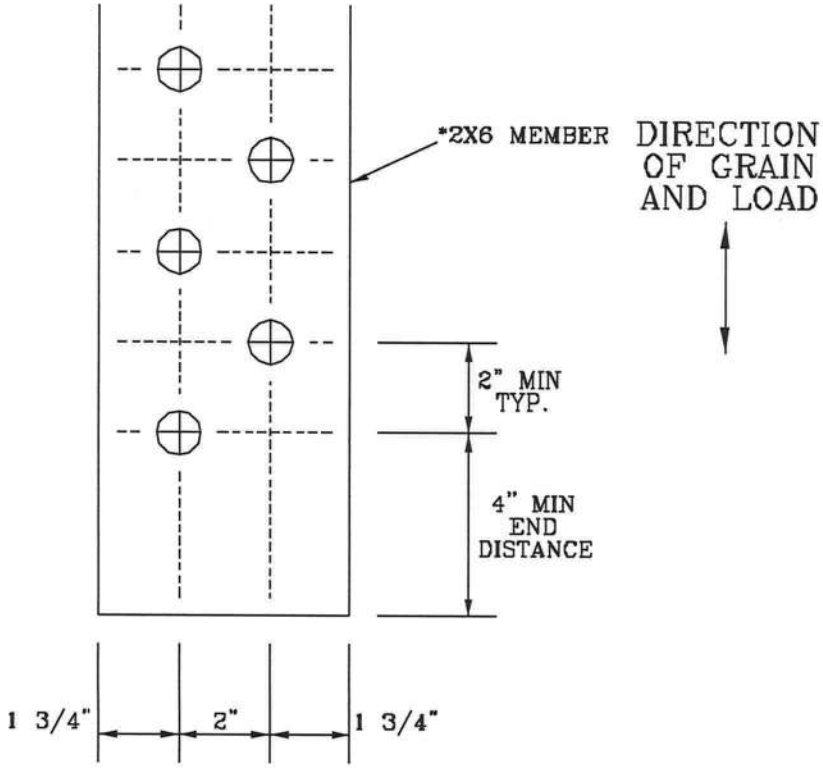
1/2" DIAMETER BOLT SPACING FOR LOAD APPLIED PARALLEL TO GRAIN.

* GRADE AND SPECIES AS SPECIFIED ON THE ALPINE DESIGN.

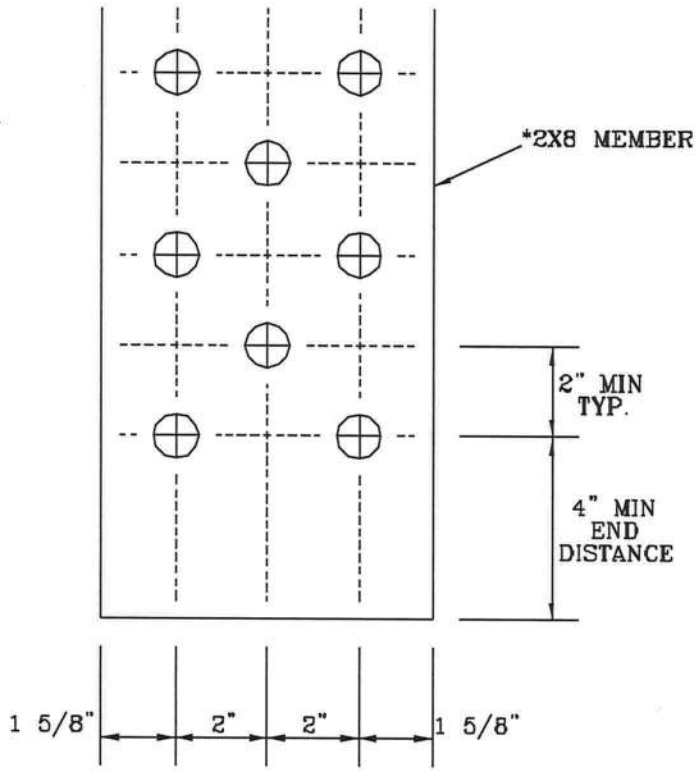
BOLT HOLES SHALL BE A MINIMUM OF 1/32" TO A MAXIMUM OF 1/16" LARGER THAN BOLT DIAMETER.

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

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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

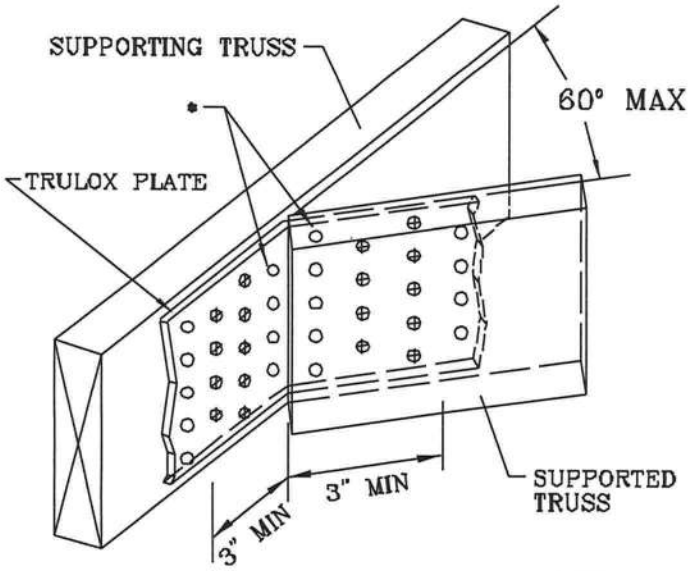
11 GAUGE (0.120" X 1.375") NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. FILL ROWS COMPLETELY WHERE SHOWN (⊕).

* NAILS MAY BE OMITTED FROM THESE ROWS.

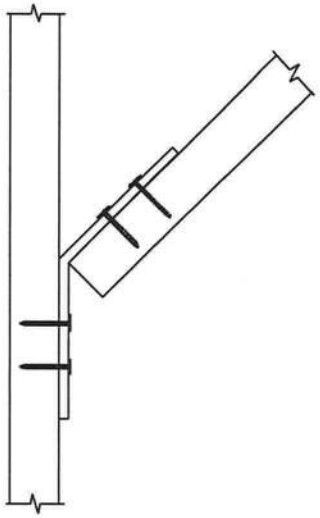
THIS DETAIL MAY BE USED WITH SO. PINE, DOUGLAS-FIR OR HEM-FIR CHORDS WITH A MINIMUM 1.00 DURATION OF LOAD OR SPRUCE-PINE-FIR CHORDS WITH A MINIMUM 1.15 DURATION OF LOAD. CHORD SIZE OF BOTH TRUSSES MUST EXCEED THE TRULOX PLATE WIDTH.

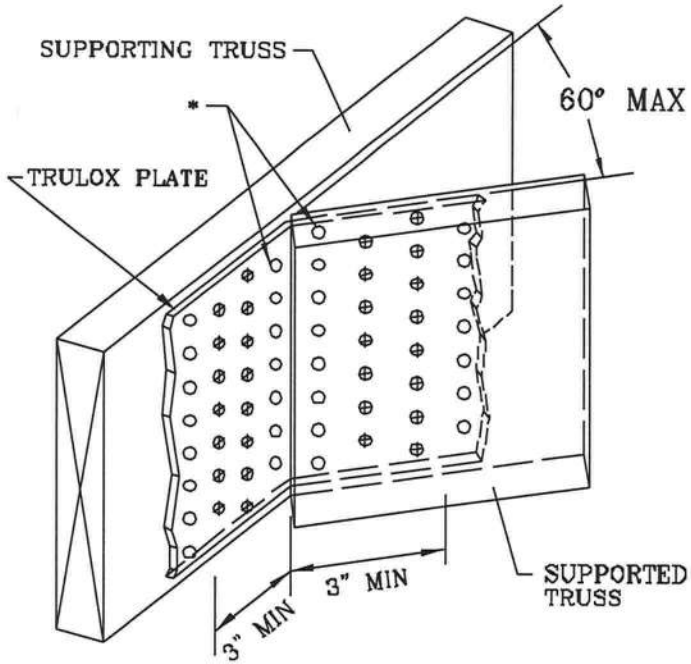
TRULOX PLATE IS CENTERED ON THE CHORDS AND BENT BETWEEN NAIL ROWS.

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

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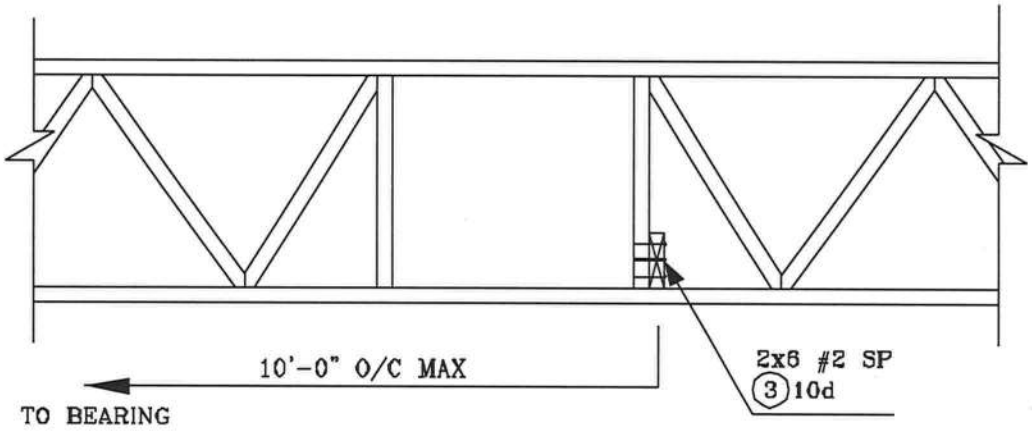
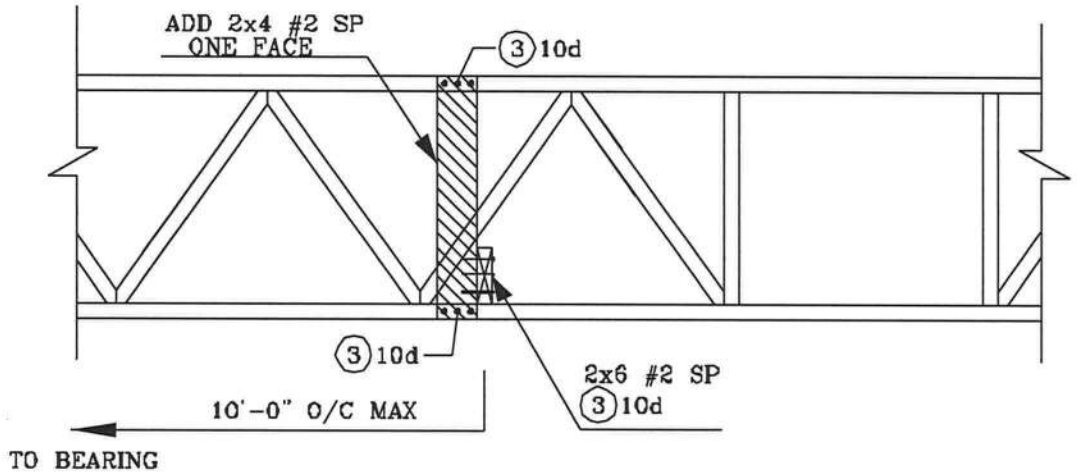
No: 34869
STATE OF FLORIDA

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



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