

DATE 12/02/2005

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000023921

APPLICANT MELANIE RODER PHONE 752.2281
ADDRESS 287 SW KEMP CT LAKE CITY FL 32024
OWNER AARON SIMQUE HOMES PHONE 755.0841
ADDRESS 169 SE CAROB GLEN LAKE CITY FL 32025
CONTRACTOR AARON SIMQUE PHONE 755.0841
LOCATION OF PROPERTY 90-E TO SR 100,TR TO C-245,TR TO PLANT,TR TO GOLDIE WAY,TL
TO CAROB GLEN,TR AND IT'S THE 3RD LOT ON R.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 77250.00
HEATED FLOOR AREA 1545.00 TOTAL AREA 2279.00 HEIGHT 21.10 STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 8'12 FLOOR CONC
LAND USE & ZONING RSF-2 MAX. HEIGHT 35
Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00
NO. EX.D.U. 0 FLOOD ZONE XPS DEVELOPMENT PERMIT NO. _____

PARCEL ID 03-4S-17-07570-024 SUBDIVISION SUZANNE
LOT 24 BLOCK _____ PHASE _____ UNIT 1 TOTAL ACRES .68

000000906 RB29003130 Melanie Roder
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
18"X32'MITERED 05-1039-N BLK JTH N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE. 1 FOOT ABOVE ROAD

Check # or Cash 51333

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ Foundation _____ Monolithic _____
date/app. by date/app. by date/app. by
Under slab rough-in plumbing _____ Slab _____ Sheathing/Nailing _____
date/app. by date/app. by date/app. by
Framing _____ Rough-in plumbing above slab and below wood floor _____
date/app. by date/app. by
Electrical rough-in _____ Heat & Air Duct _____ Peri. beam (Lintel) _____
date/app. by date/app. by date/app. by
Permanent power _____ C.O. Final _____ Culvert _____
date/app. by date/app. by date/app. by
M/H tie downs, blocking, electricity and plumbing _____ Pool _____
date/app. by date/app. by
Reconnection _____ Pump pole _____ Utility Pole _____
date/app. by date/app. by date/app. by
M/H Pole _____ Travel Trailer _____ Re-roof _____
date/app. by date/app. by date/app. by

BUILDING PERMIT FEE \$ 390.00 CERTIFICATION FEE \$ 11.40 SURCHARGE FEE \$ 11.40
MISC. FEES \$.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$.00 WASTE FEE \$ _____
FLOOD DEVELOPMENT FEE \$ _____ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ 25.00 TOTAL FEE 512.80
INSPECTORS OFFICE [Signature] CLERKS OFFICE CH

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

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

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

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



COLUMBIA COUNTY FLORIDA DEPARTMENT OF BUILDING AND ZONING

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 03-4S-17-07570-024

Building permit No. 000023921

Use Classification SFD/UTILITY

Fire: 17.76

Permit Holder AARON SIMQUE

Waste: 36.75

Owner of Building AARON SIMQUE HOMES

Total: 54.51

Location: 169 SE CAROB GLEN(SUZANNE, LOT 24)

Date: 07/26/2006



Building Inspector

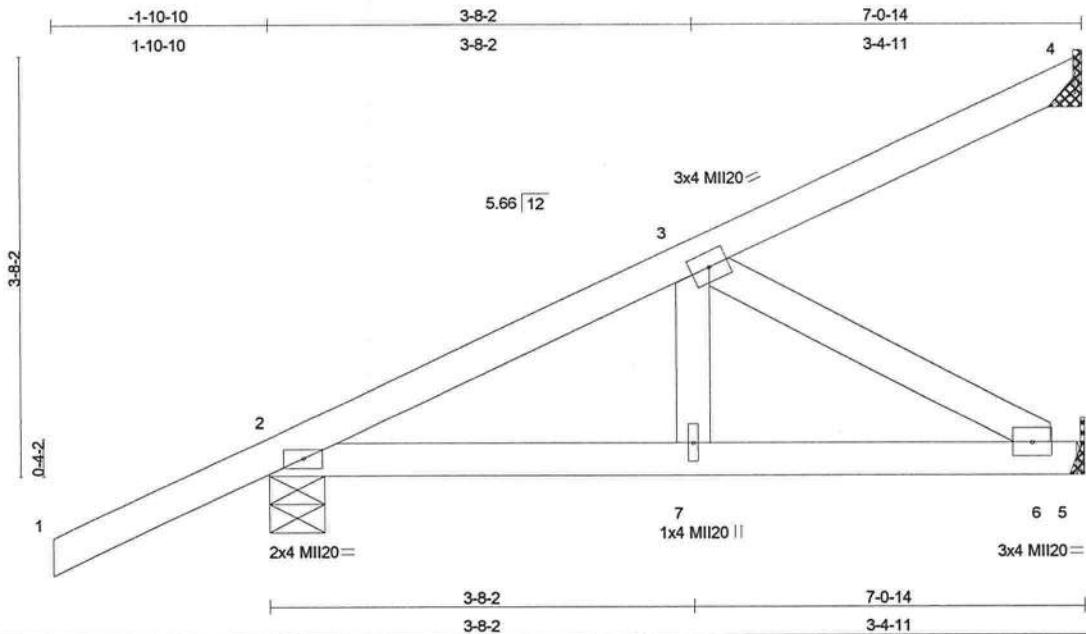
POST IN A CONSPICUOUS PLACE
(Business Places Only)



Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES (LOT 24)	19261002
8596-1	CJ7	ROOF TRUSS	2	1	Job Reference (optional)	

Reese Building Components, INC., Sylvester Ga.

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LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.38	Vert(LL)	0.02	6-7	>999	360	MII20	249/190
TCDL 10.0	Lumber Increase	1.25	BC 0.30	Vert(TL)	-0.03	6-7	>999	240		
BCLL 0.0	Rep Stress Incr	NO	WB 0.10	Horz(TL)	0.00	5	n/a	n/a		
BCDL 10.0	Code FBC2001/ANSI95		(Matrix)							
									Weight: 33 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Sheathed or 6-0-0 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2 X 4 SYP No.3	

REACTIONS (lb/size) 4=14/Mechanical, 2=307/0-5-11, 5=285/Mechanical
 Max Horz 2=-104(load case 2)
 Max Uplift 2=-236(load case 4), 5=-117(load case 4)
 Max Grav 4=55(load case 2), 2=307(load case 1), 5=285(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/48, 2-3=-272/100, 3-4=0/24
 BOT CHORD 2-7=-29/220, 6-7=-29/220, 5-6=0/0
 WEBS 3-7=-180/305, 3-6=-253/33

This truss design is based upon the building code shown. This code has been specified by the project engineer/architect, or building designer. The applicability of this code in any particular jurisdiction should be confirmed with the building official prior to truss fabrication. This determination is not the responsibility of the component/truss designer.

- NOTES**
- 1) Wind: ASCE 7-98; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
 - 2) Refer to girder(s) for truss to truss connections.
 - 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 236 lb uplift at joint 2 and 117 lb uplift at joint 5.
 - 4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-60
 Trapezoidal Loads (plf)
 Vert: 2=-0(F=10, B=10)-to-5=-141(F=-61, B=-61)

Scott W. Miller
 Scott W. Miller, FL Lic #58316
 MiTek Industries, Inc.
 14515 North Outer Forty Drive
 Suite 300
 Chesterfield, MO, 63017
 FL Cert.#6634

October 20,2005

WARNING - Verify design parameters and READ NOTES ON THIS AND REVERSE SIDE BEFORE USE.
 Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

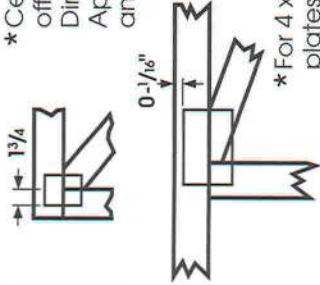
14515 N. Outer Forty,
 Suite #300
 Chesterfield, MO 63017



Symbols

PLATE LOCATION AND ORIENTATION

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



- * For 4 x 2 orientation, locate plates 0 - 1/16" from outside edge of truss.

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



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

PLATE SIZE

4 x 4

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

LATERAL BRACING



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

BEARING

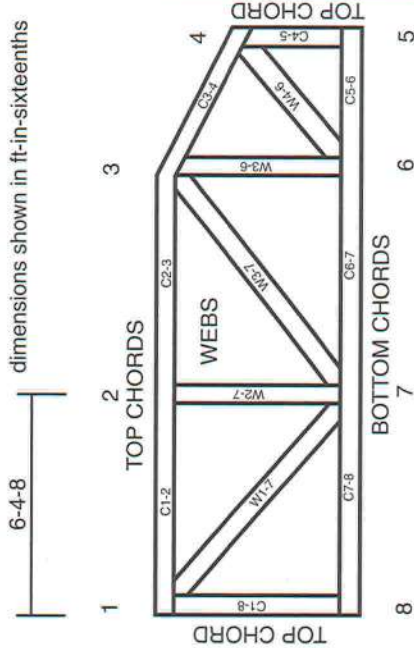


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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

Numbering System



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

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

CONNECTOR PLATE CODE APPROVALS

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



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

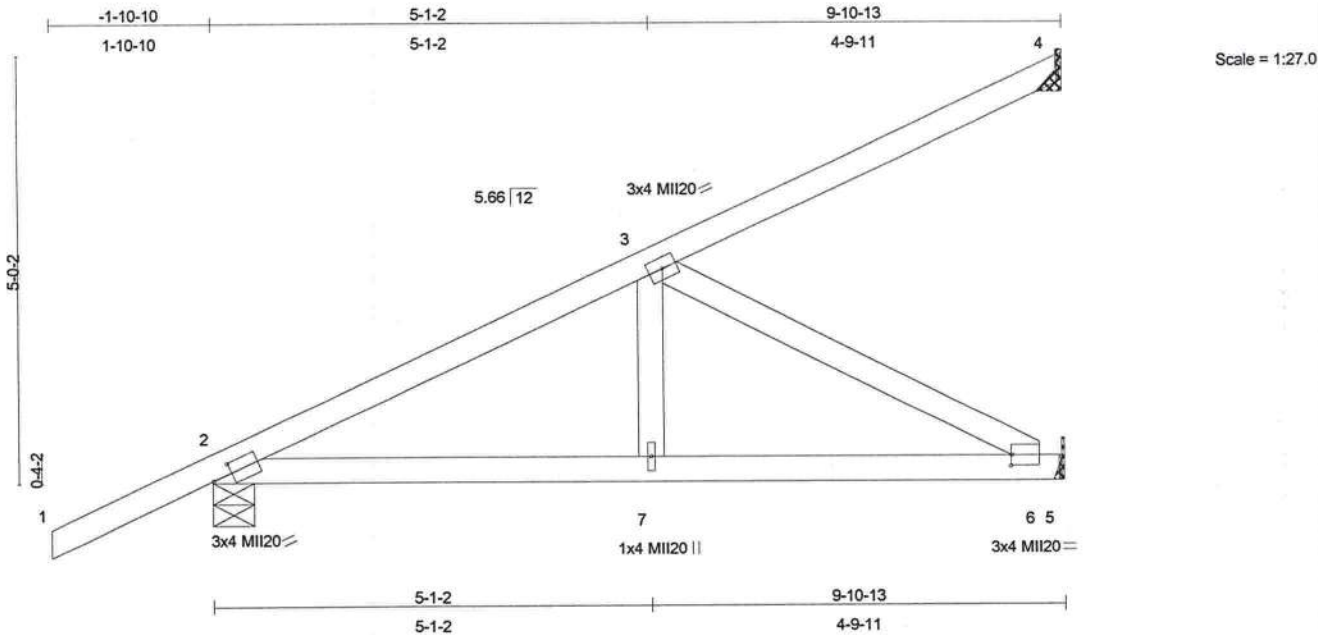


Plate Offsets (X,Y): [2:0-2-13,0-1-8], [6:0-0-2,0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.36	Vert(LL)	0.14	6-7	>847	360	MII20	249/190
TCDL 10.0	Lumber Increase	1.25	BC 0.83	Vert(TL)	-0.16	6-7	>716	240		
BCLL 0.0	Rep Stress Incr	NO	WB 0.30	Horz(TL)	0.01	5	n/a	n/a		
BCDL 10.0	Code FBC2001/ANSI95		(Matrix)							
									Weight: 45 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 Sheathed or 6-0-0 oc purlins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 4=8/Mechanical, 2=458/0-5-11, 5=612/Mechanical
Max Horz 2=-163(load case 2)
Max Uplift 2=-310(load case 4), 5=-311(load case 4)
Max Grav 4=91(load case 2), 2=458(load case 1), 5=612(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/48, 2-3=-607/286, 3-4=0/39

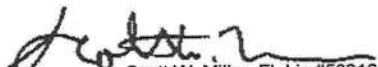
BOT CHORD 2-7=-201/534, 6-7=-201/534, 5-6=0/0

WEBS 3-7=-339/585, 3-6=-607/228

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NOTES
1) Wind: ASCE 7-98; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 310 lb uplift at joint 2 and 311 lb uplift at joint 5.
4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-60
Trapezoidal Loads (plf)
Vert: 2=-0(F=10, B=10)-to-5=-198(F=-89, B=-89)


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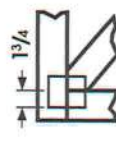
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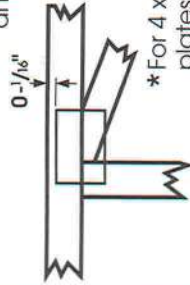
14515 N. Outer Forty,
Suite #300
Chesterfield, MO 63017



Symbols

PLATE LOCATION AND ORIENTATION

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



- * For 4 x 2 orientation, locate plates 0 - 1/16" from outside edge of truss.

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

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

PLATE SIZE

4 x 4

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

LATERAL BRACING



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

BEARING

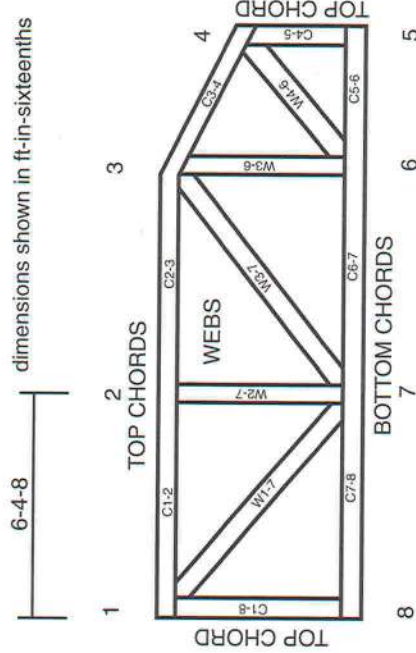


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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Numbering System



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

CONNECTOR PLATE CODE APPROVALS

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

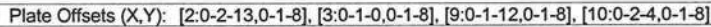


General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

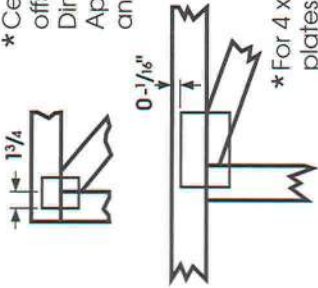
6.200 s Oct 18 2005 MiTek Industries, Inc. Thu Oct 20 12:00:40 2005 Page 1

October 20, 2005

Symbols

PLATE LOCATION AND ORIENTATION

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



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

PLATE SIZE

4 x 4

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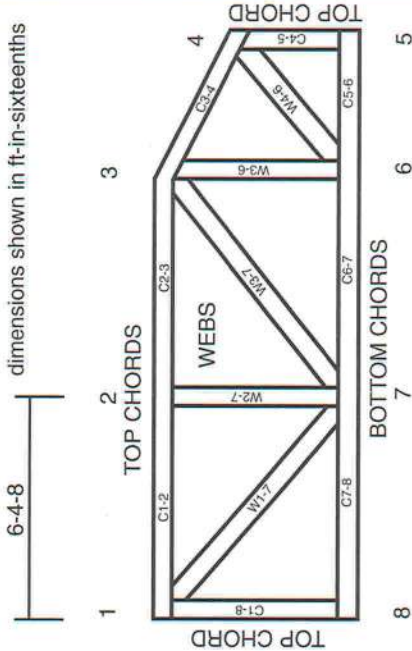


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

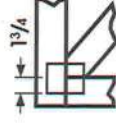
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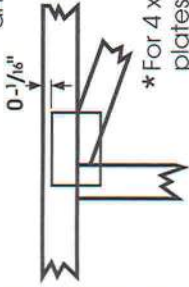
6.200 s Oct 18 2005 MiTek Industries, Inc. Thu Oct 20 12:00:41 2005 Page 1



Symbols

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- * For 4 x 2 orientation, locate plates 0 - 1/16" from outside edge of truss.

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

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

PLATE SIZE

4 x 4

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LATERAL BRACING



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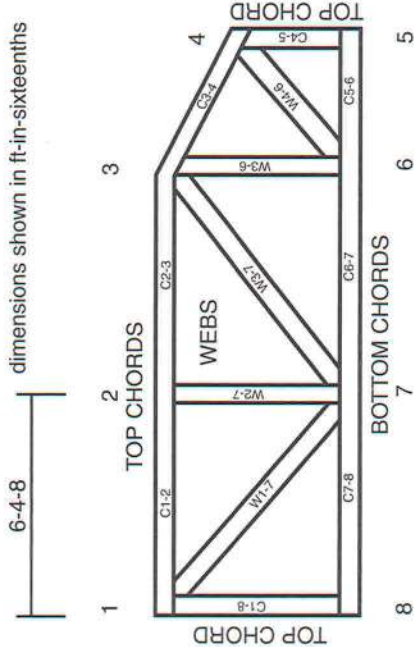


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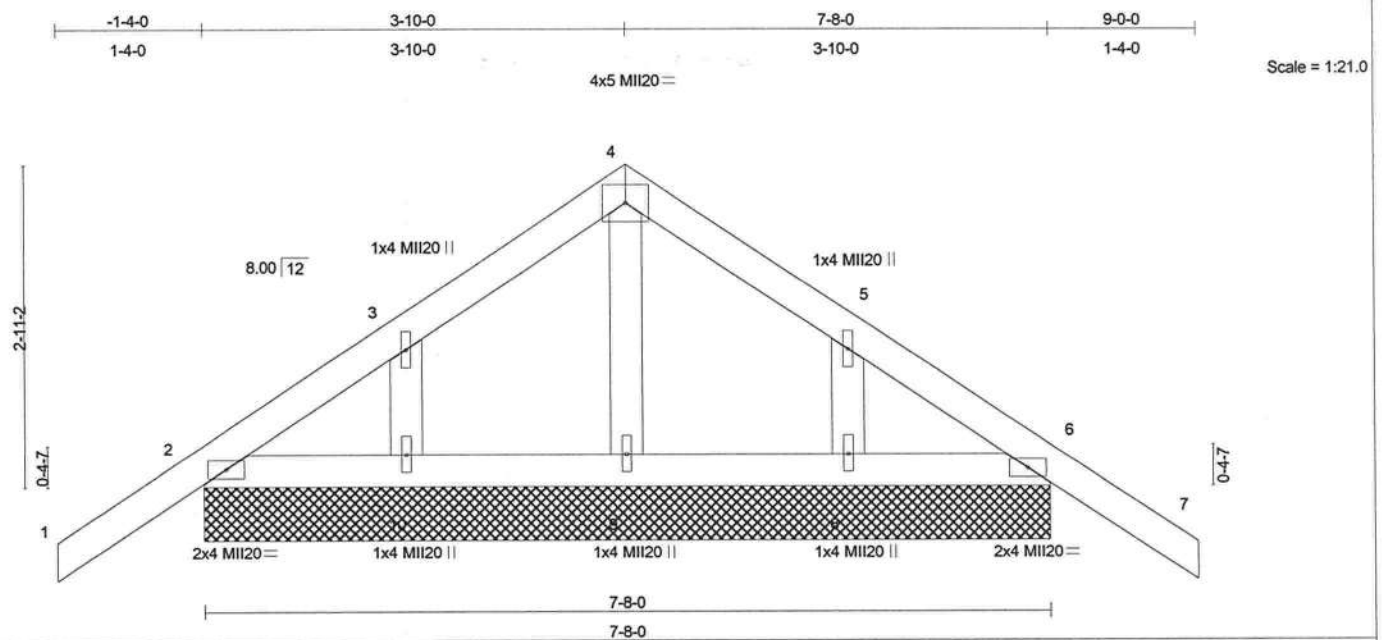
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5. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI1.
6. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI1.
7. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
8. Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
9. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
10. Plate type, size, orientation and location dimensions shown indicate minimum plating requirements.
11. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
12. Top chords must be sheathed or purlins provided at spacing shown on design.
13. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
14. Connections not shown are the responsibility of others.
15. Do not cut or alter truss member or plate without prior approval of a professional engineer.
16. Install and load vertically unless indicated otherwise.

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES (LOT 24)	19261006
8596-1	G2	ROOF TRUSS	1	1	Job Reference (optional)	

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LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.17	Vert(LL) -0.01 7 n/r 120			MII20	249/190
TCDL 10.0	Lumber Increase 1.25	BC 0.03	Vert(TL) -0.01 7 n/r 90				
BCLL 0.0	Rep Stress Incr NO	WB 0.03	Horz(TL) 0.00 6 n/a n/a				
BCDL 10.0	Code FBC2001/ANSI95	(Matrix)				Weight: 37 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

This truss design is based upon the building code shown. This code has been specified by the project engineer/architect, or building designer. The applicability of this code in any particular jurisdiction should be confirmed with the building official prior to truss fabrication. This determination is not the responsibility of the component/truss designer.

REACTIONS (lb/size) 2=179/7-8-0, 6=179/7-8-0, 9=127/7-8-0, 10=144/7-8-0, 8=144/7-8-0
Max Horz 2=-115(load case 2)
Max Uplift2=-140(load case 4), 6=-162(load case 5), 10=-79(load case 4), 8=-78(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/43, 2-3=-73/85, 3-4=-53/104, 4-5=-53/84, 5-6=-59/44, 6-7=0/43
BOT CHORD 2-10=-9/110, 9-10=-9/110, 8-9=-9/110, 6-8=-9/110
WEBS 4-9=-88/6, 3-10=-101/101, 5-8=-101/100

NOTES

LOAD CASE(S) Standard

October 20, 2005

WARNING - Verify design parameters and READ NOTES ON THIS AND REVERSE SIDE BEFORE USE.

WARNING - verify design parameters and READ NOTES ON THIS AND REVERSE SIDE BEFORE USE!
Design valid for use only with MITEK connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 **Quality Criteria, DSB-89** and BCS1 **Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

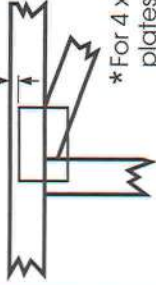
14515 N. Outer Forty,
Suite #300
Chesterfield, MO 63017



Symbols

PLATE LOCATION AND ORIENTATION

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



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

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

PLATE SIZE

4 x 4

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

LATERAL BRACING



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

BEARING



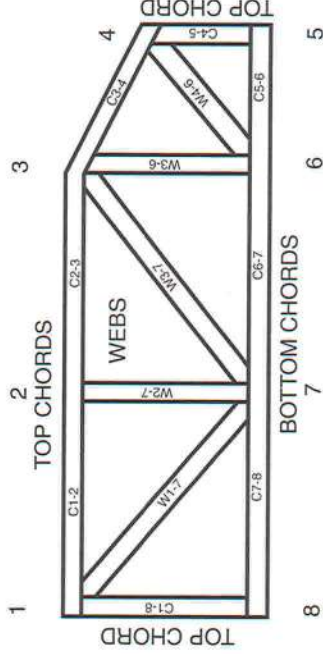
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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

Numbering System

6-4-8 dimensions shown in ft-in-sixteenths



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

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

CONNECTOR PLATE CODE APPROVALS

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



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES (LOT 24)	19261007
8596-1	H1	ROOF TRUSS	1	2	Job Reference (optional)	

Reese Building Components, INC., Sylvester Ga.

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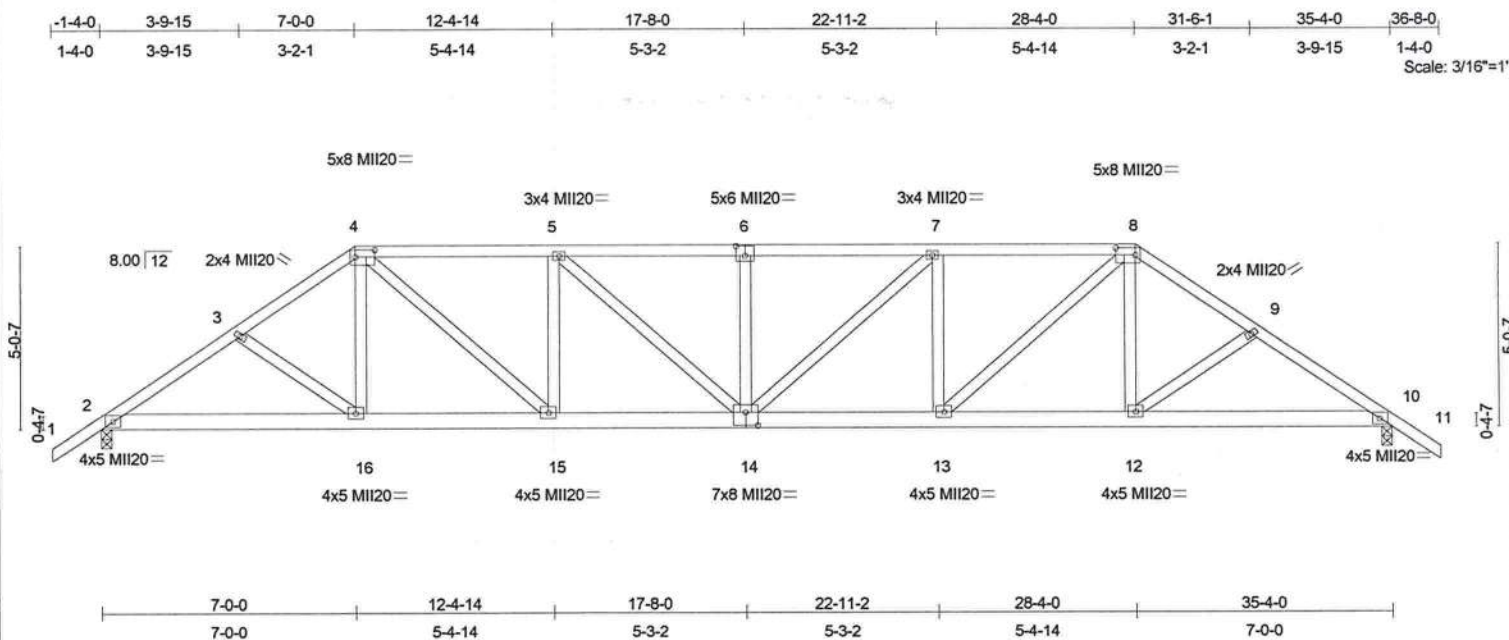


Plate Offsets (X,Y): [4:0-6-4,0-2-4], [6:0-3-0,0-3-0], [8:0-6-4,0-2-4], [14:0-4-0,0-4-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.67	Vert(LL)	0.28	14	>999	360	MII20	249/190
TCDL 10.0	Lumber Increase	1.25	BC 0.44	Vert(TL)	-0.28	14	>999	240		
BCLL 0.0	Rep Stress Incr	NO	WB 0.34	Horz(TL)	0.07	10	n/a	n/a		
BCDL 10.0	Code FBC2001/ANSI95		(Matrix)							Weight: 454 lb

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

BRACING
TOP CHORD Sheathed or 5-4-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-4-1 oc bracing.

REACTIONS (lb/size) 2=3041/0-3-8, 10=3041/0-3-8
Max Horz 2=-201(load case 2)
Max Uplift 2=-1998(load case 3), 10=-1998(load case 2)

This truss design is based upon the building code shown. This code has been specified by the project engineer/architect, or building designer. The applicability of this code in any particular jurisdiction should be confirmed with the building official prior to truss fabrication. This determination is not the responsibility of the component/truss designer.

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-4830/3478, 3-4=-4682/3508, 4-5=-5486/4206, 5-6=-5982/4528, 6-7=-5982/4528, 7-8=-5486/4206, 8-9=-4682/3509, 9-10=-4830/3479, 10-11=0/47
BOT CHORD 2-16=-2971/3925, 15-16=-2988/3897, 14-15=-4207/5485, 13-14=-4116/5485, 12-13=-2795/3897, 10-12=-2771/3925
WEBS 3-16=-226/86, 4-16=0/330, 4-15=-1742/2138, 5-15=-1179/1229, 5-14=-549/701, 6-14=-665/789, 7-14=-550/701, 7-13=-1179/1229, 8-13=-1743/2138, 8-12=0/330, 9-12=-227/86

NOTES

- 2-ply truss to be connected together with 10d Common(.148"x3") Nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
- 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.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-98; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
- Provide adequate drainage to prevent water ponding.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1998 lb uplift at joint 2 and 1998 lb uplift at joint 10.
- Girder carries hip end with 7-0-0 end setback.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 385 lb down and 545 lb up at 28-4-14 and 385 lb down and 545 lb up at 7-0-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

- Regular: Lumber Increase=1.25, Plate Increase=1.25

Scott W. Miller, FL Lic #58316
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO, 63017
FL Cert.#6634

Continued on page 2

October 20,2005

WARNING - Verify design parameters and READ NOTES ON THIS AND REVERSE SIDE BEFORE USE.

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

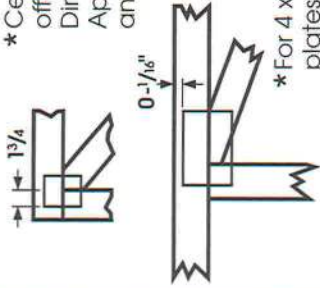
14515 N. Outer Forty,
Suite #300
Chesterfield, MO 63017



Symbols

PLATE LOCATION AND ORIENTATION

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



- * For 4 x 2 orientation, locate plates 0 - 1/16" from outside edge of truss.

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



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

PLATE SIZE

4 x 4

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

LATERAL BRACING



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

BEARING

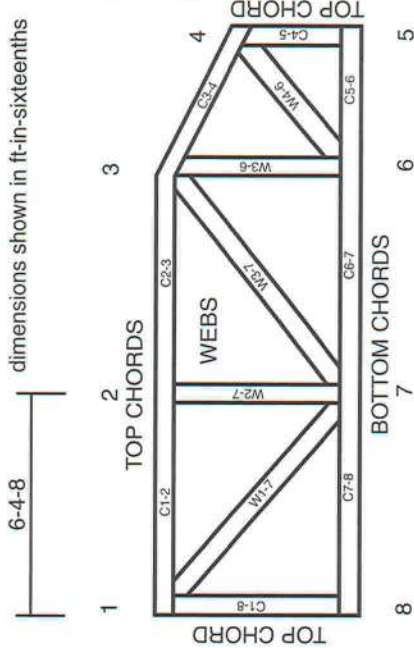


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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

Numbering System



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

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

CONNECTOR PLATE CODE APPROVALS

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



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES (LOT 24)	19261007
8596-1	H1	ROOF TRUSS	1	2	Job Reference (optional)	

Reese Building Components, INC., Sylvester Ga.

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LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-4=-60, 4-8=-131(F=-71), 8-11=-60, 2-10=-44(F=-24)

Concentrated Loads (lb)

Vert: 4=-385(F) 8=-385(F)

⚠ WARNING - Verify design parameters and READ NOTES ON THIS AND REVERSE SIDE BEFORE USE.
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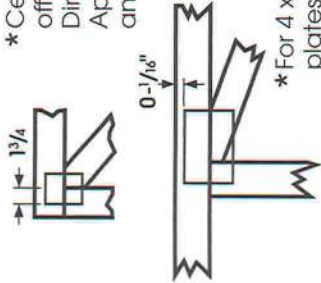
14515 N. Outer Forty,
Suite #300
Chesterfield, MO 63017



Symbols

PLATE LOCATION AND ORIENTATION

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



* For 4 x 2 orientation, locate plates 0 - 1/16" from outside edge of truss.

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



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

PLATE SIZE

4 x 4

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

LATERAL BRACING



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

BEARING

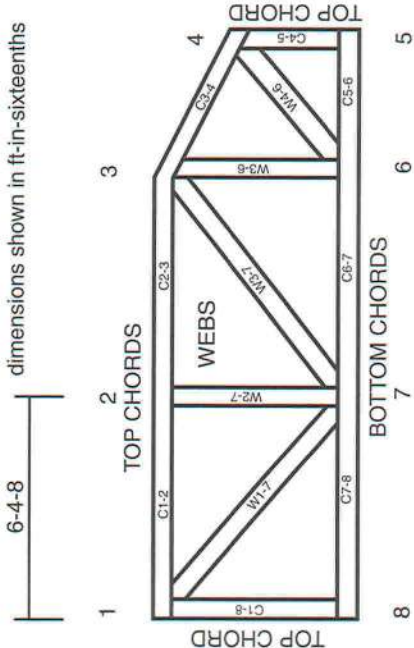


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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

Numbering System

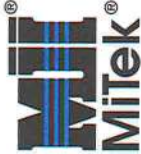


JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

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

CONNECTOR PLATE CODE APPROVALS

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



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

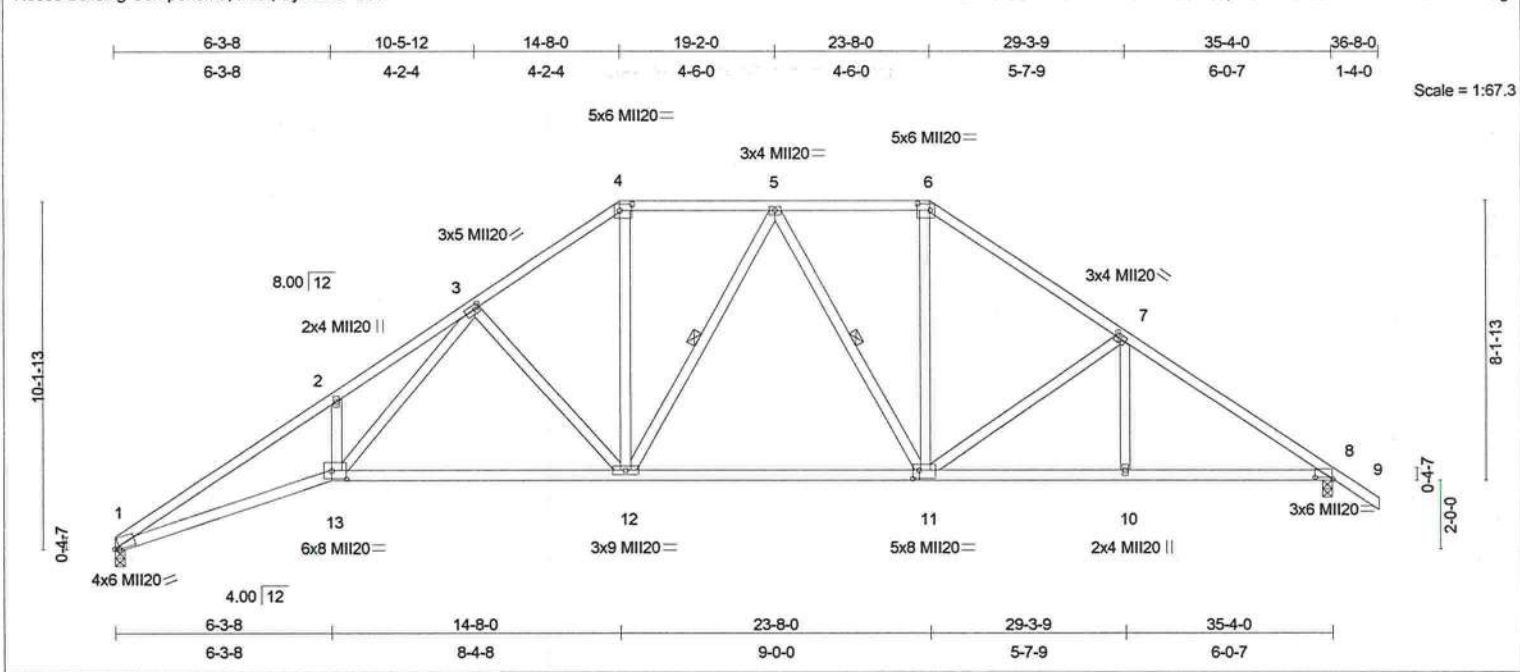


Plate Offsets (X,Y): [1:0-1-7,0-0-11], [3:0-1-8,0-1-8], [4:0-4-4,0-2-4], [6:0-4-4,0-2-4], [7:0-1-12,0-1-8], [8:0-6-3,0-0-10], [11:0-2-4,0-3-0], [13:0-5-4,0-3-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.66	Vert(LL)	0.25	13	>999	360	MII20	249/190
TCDL 10.0	Lumber Increase	1.25	BC 0.86	Vert(TL)	-0.46	12-13	>914	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.72	Horz(TL)	0.23	8	n/a	n/a		
BCDL 10.0	Code FBC2001/ANSI95		(Matrix)							Weight: 202 lb

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Sheathed or 2-7-11 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 5-0-13 oc bracing.
WEBS 2 X 4 SYP No.3	WEBS 1 Row at midpt 5-12, 5-11

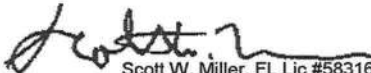
REACTIONS (lb/size) 1=1400/0-3-8, 8=1492/0-3-8
Max Horz 1=388(load case 3)
Max Uplift1=-449(load case 4), 8=-508(load case 5)

This truss design is based upon the building code shown. This code has been specified by the project engineer/architect, or building designer. The applicability of this code in any particular jurisdiction should be confirmed with the building official prior to truss fabrication. This determination is not the responsibility of the component/truss designer.

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-4044/1389, 2-3=-3972/1644, 3-4=-1915/666, 4-5=-1551/626, 5-6=-1412/508, 6-7=-1782/530, 7-8=-2194/572, 8-9=0/44
BOT CHORD 1-13=-1372/3432, 12-13=-772/2023, 11-12=-525/1547, 10-11=-335/1728, 8-10=-335/1728
WEBS 2-13=-241/378, 3-13=-980/1911, 3-12=-746/508, 4-12=-202/749, 5-12=-145/331, 5-11=-386/362, 6-11=-165/621, 7-11=-406/340, 7-10=0/124

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-98; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
 - Provide adequate drainage to prevent water ponding.
 - 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 449 lb uplift at joint 1 and 508 lb uplift at joint 8.

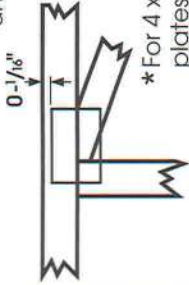
LOAD CASE(S) Standard


Scott W. Miller, FL Lic #58316
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO, 63017
FL Cert.#6634
October 20,2005

Symbols

PLATE LOCATION AND ORIENTATION

- 1 3/4" ←
- * Center plate on joint unless x,y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and securely seat.



- * For 4 x 2 orientation, locate plates 0 - 1/16" from outside edge of truss.

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

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

PLATE SIZE

4 x 4

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

LATERAL BRACING



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

BEARING

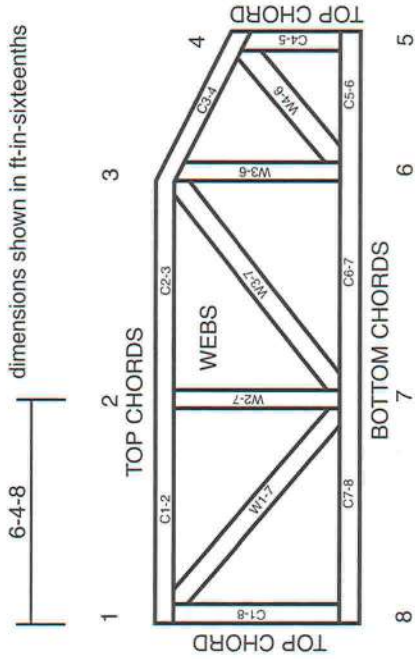


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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

Numbering System



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

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

CONNECTOR PLATE CODE APPROVALS

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



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES (LOT 24)	19261009
8596-1	H11	ROOF TRUSS	1	1	Job Reference (optional)	

Reese Building Components, INC., Sylvester Ga.

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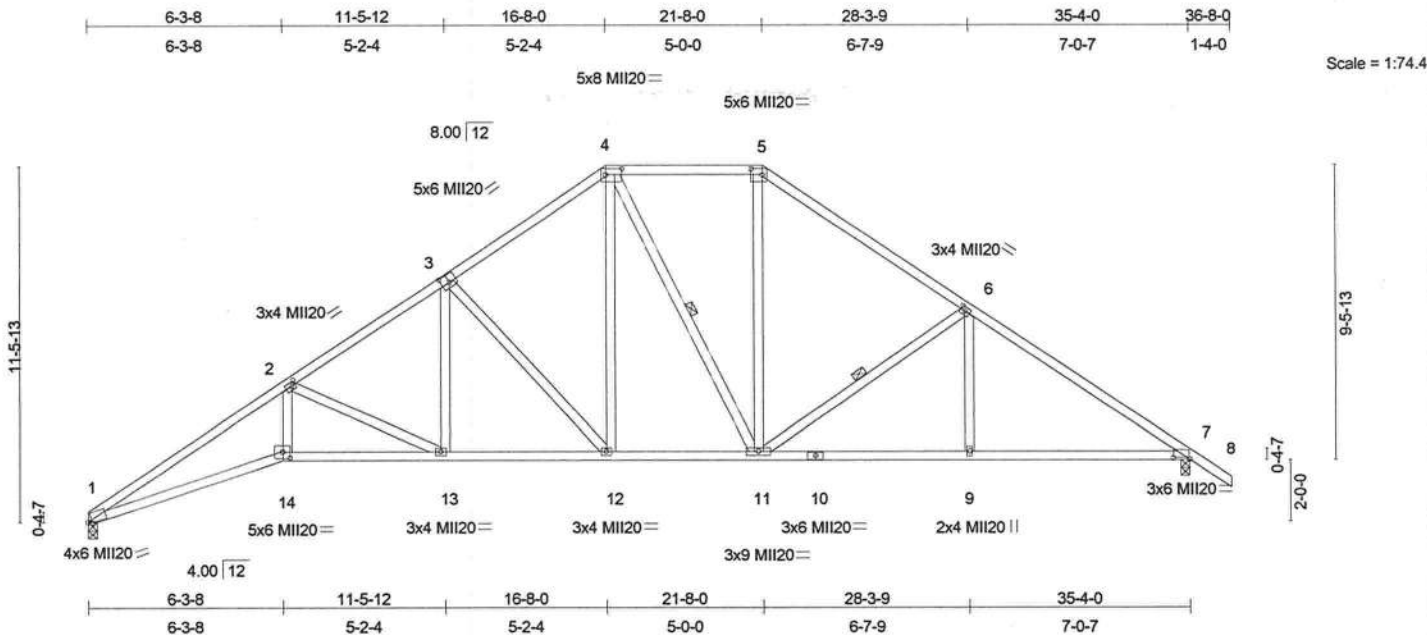


Plate Offsets (X,Y): [1:0-1-7,0-0-11], [2:0-1-8,0-1-8], [3:0-3-0,0-3-0], [4:0-6-4,0-2-4], [5:0-4-4,0-2-4], [6:0-1-12,0-1-8], [7:0-6-3,0-0-10], [14:0-2-12,0-2-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.64	Vert(LL)	0.23 13-14	>999	360	MI20	249/190
TCDL 10.0	Lumber Increase	1.25	BC 0.86	Vert(TL)	-0.37 13-14	>999	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.89	Horz(TL)	0.23 7	n/a	n/a		
BCDL 10.0	Code FBC2001/ANSI95		(Matrix)						
								Weight: 208 lb	

LUMBER

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

BRACING

TOP CHORD Sheathed or 2-8-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-10-2 oc bracing.
WEBS 1 Row at midpt 4-11, 6-11

REACTIONS (lb/size) 1=1400/0-3-8, 7=1492/0-3-8
Max Horz 1=444(load case 3)
Max Uplift 1=-466(load case 4), 7=-529(load case 5)

This truss design is based upon the building code shown. This code has been specified by the project engineer/architect, or building designer. The applicability of this code in any particular jurisdiction should be confirmed with the building official prior to truss fabrication. This determination is not the responsibility of the component/truss designer.

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-4041/1505, 2-3=-2381/861, 3-4=-1694/653, 4-5=-1292/541, 5-6=-1661/588, 6-7=-2170/596, 7-8=0/44
BOT CHORD 1-14=-1510/3427, 13-14=-1390/3158, 12-13=-673/1900, 11-12=-372/1348, 10-11=-368/1700, 9-10=-368/1700, 7-9=-368/1700
WEBS 2-14=-439/1204, 2-13=-1378/787, 3-13=-275/690, 3-12=-834/536, 4-12=-349/709, 4-11=-259/271, 5-11=-201/510, 6-11=-513/405, 6-9=0/168

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-98; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
- 3) Provide adequate drainage to prevent water ponding.
- 4) 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.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 466 lb uplift at joint 1 and 529 lb uplift at joint 7.

LOAD CASE(S) Standard

Scott W. Miller, FL Lic #58316
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO, 63017
FL Cert.#6634

October 20,2005

WARNING - Verify design parameters and READ NOTES ON THIS AND REVERSE SIDE BEFORE USE.

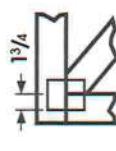
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

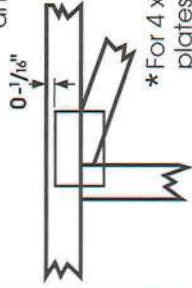
14515 N. Outer Forty,
Suite #300
Chesterfield, MO 63017



Symbols

PLATE LOCATION AND ORIENTATION

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



- * For 4 x 2 orientation, locate plates 0 - 1/16" from outside edge of truss.

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

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

PLATE SIZE

4 x 4

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

LATERAL BRACING



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

BEARING

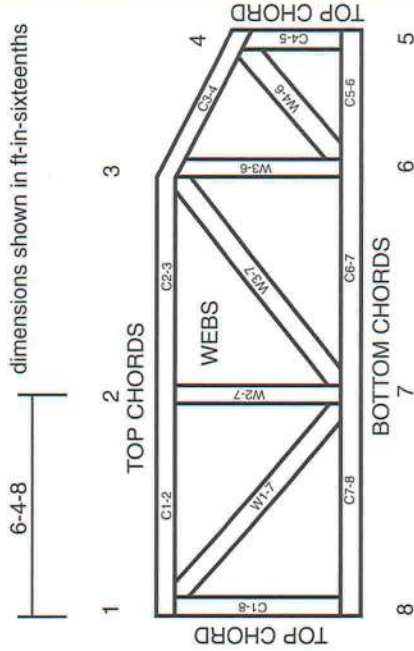


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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

Numbering System



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

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

CONNECTOR PLATE CODE APPROVALS

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



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

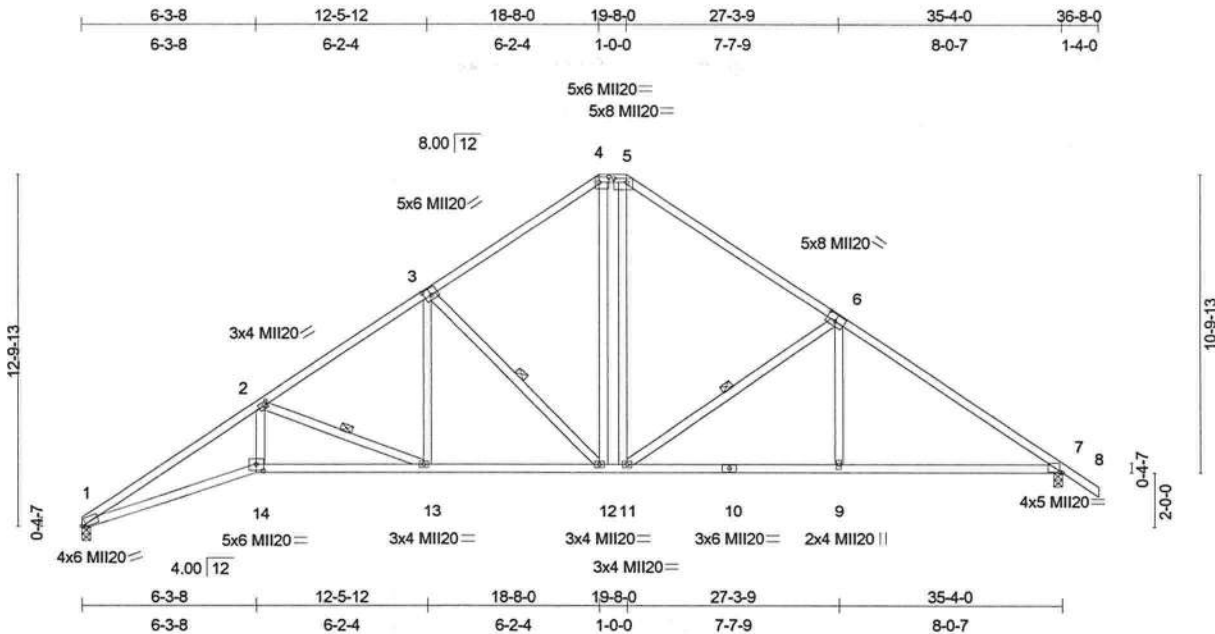


Plate Offsets (X,Y): [1:0-1-7,0-0-11], [2:0-1-8,0-1-8], [3:0-3-0,0-3-0], [4:0-4-4,0-2-4], [5:0-5-8,0-1-12], [6:0-4-0,0-3-0], [7:0-0-15,0-0-2], [14:0-3-0,0-2-12]							
LOADING (psf)		SPACING		CSI		DEFL	
TCLL	20.0	Plates Increase	1.25	TC	0.63	in (loc)	I/defl
TCDL	10.0	Lumber Increase	1.25	BC	0.86	0.26 12-13	>999 360
BCLL	0.0	Rep Stress Incr	YES	WB	0.65	-0.39 13-14	>999 240
BCDL	10.0	Code	FBC2001/ANSI95	(Matrix)		0.24 7	n/a n/a
						PLATES	GRIP
						II20	249/190
						Weight: 205 lb	

LUMBER		BRACING	
TOP CHORD	2 X 4 SYP No.2	TOP CHORD	Sheathed or 2-8-3 oc purlins.
BOT CHORD	2 X 4 SYP No.2	BOT CHORD	Rigid ceiling directly applied or 4-8-6 oc bracing.
WEBS	2 X 4 SYP No.3	WEBS	1 Row at midpt 2-13, 3-12, 6-11

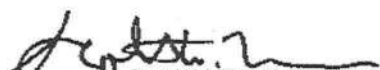
REACTIONS (lb/size) 1=1400/0-3-8, 7=1492/0-3-8
Max Horz 1=500(load case 3)
Max Uplift1=479(load case 4), 7=546(load case 5)

This truss design is based upon the building code shown. This code has been specified by the project engineer/architect, or building designer. The applicability of this code in any particular jurisdiction should be confirmed with the building official prior to truss fabrication. This determination is not the responsibility of the component/truss designer.

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-4052/1586, 2-3=-2256/846, 3-4=-1514/618, 4-5=-1179/610, 5-6=-1546/656, 6-7=-2137/633, 7-8=0/44
BOT CHORD 1-14=-1615/3443, 13-14=-1490/3168, 12-13=-677/1788, 11-12=-257/1179, 10-11=-401/1660, 9-10=-401/1660, 7-9=-400/1663
WEBS 2-14=-459/1215, 2-13=-1473/868, 3-13=-267/667, 3-12=-883/606, 4-12=-329/649, 5-11=-233/503, 6-11=-620/481, 6-9=0/208

- NOTES
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-98; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
 - Provide adequate drainage to prevent water ponding.
 - 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 479 lb uplift at joint 1 and 546 lb uplift at joint 7.

LOAD CASE(S) Standard


Scott W. Miller, FL Lic #58316
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO, 63017
FL Cert.#6634

October 20,2005

WARNING - Verify design parameters and READ NOTES ON THIS AND REVERSE SIDE BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

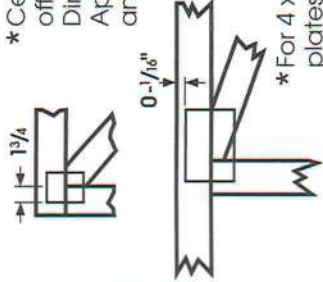
14515 N. Outer Forty,
Suite #300
Chesterfield, MO 63017



Symbols

PLATE LOCATION AND ORIENTATION

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



* For 4 x 2 orientation, locate plates 0 - 1/16" from outside edge of truss.

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

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

PLATE SIZE

4 x 4 The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING

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



BEARING

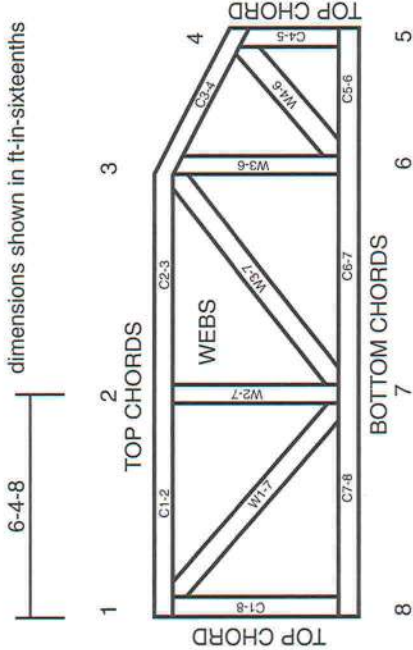
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.



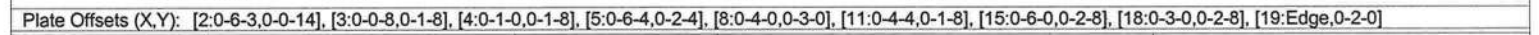
Industry Standards:

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

Numbering System



Reese Building Components, INC., Sylvester Ga. 6.200 s Oct 18 2005 MiTek Industries, Inc. Thu Oct 20 12:00:43 2005 Page 1



LUMBER		BRACING	
TOP CHORD	2 X 4 SYP No.2	TOP CHORD	Sheathed or 4-10-10 oc purlins, except end verticals.
BOT CHORD	2 X 6 SYP No.2 *Except*	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
	4-19 2 X 4 SYP No.2D, 7-14 2 X 4 SYP No.3		7-11-9 oc bracing: 17-18
WEBS	2 X 4 SYP No.3		9-2-3 oc bracing: 15-16.

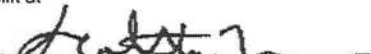
REACTIONS (lb/size) 11=2414/0-3-8, 2=2337/0-3-8
 Max Horz 2=278(load case 3)
 Max Uplift 11=-1805(load case 2), 2=-1414(load case 4)

This truss design is based upon the building code shown. This code has been specified by the project engineer/architect, or building designer. The applicability of this code in any particular jurisdiction should be confirmed with the building official prior to truss fabrication. This determination is not the responsibility of the component/truss designer.

FORCES (lb) - Maximum Compression/Maximum Tension	
TOP CHORD	1-2=0/47, 2-3=-3751/2358, 3-4=-6764/4552, 4-5=-4397/3163, 5-6=-4482/3286, 6-7=-4481/3287, 7-8=-4558/3408, 8-9=-1757/1388, 9-10=-1757/1388, 10-11=-2295/1818
BOT CHORD	2-19=-2075/2918, 18-19=-992/1467, 4-18=-999/1622, 17-18=-4105/5866, 16-17=-2817/3676, 15-16=-3452/4609, 14-15=-7/135, 7-15=-440/549, 13-14=-316/415, 12-13=-2188/2933, 11-12=-96/46
WEBS	4-17=-2254/1317, 5-17=-323/862, 5-16=-974/1052, 6-16=-549/713, 7-16=-161/197, 13-15=-1946/2620, 8-15=-1665/2201, 8-13=-591/654, 8-12=-1836/1348, 9-12=-519/614, 10-12=-1986/2673, 3-18=-3093/4327, 3-19=-2062/1480

NOTES

- 1) 2-ply truss to be connected together with 10d Common(.148"x3") Nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc, 2 X 4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
- 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 3) Wind: ASCE 7-98; 110mph (3-second gust); h=15ft; TCDF=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
- 4) Provide adequate drainage to prevent water ponding.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1805 lb uplift at joint 11 and 1414 lb uplift at joint 2.
- 6) Girder carries hip end with 0-0-0 right side setback, 7-0-0 left side setback, and 7-0-0 end setback.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 385 lb down and 545 lb up at 7'-4" on top chord. The design/selection of such connection device(s) is the responsibility of others.


Scott W. Miller, FL Lic #58316
MiTek Industries, Inc.

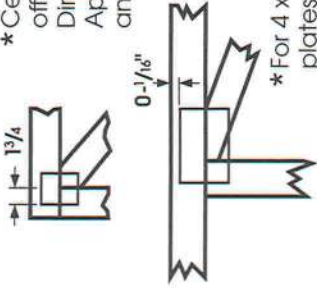
LOAD CASE(S) Standard	14515 North Outer Forty Drive Suite 300 Chesterfield, MO, 63017 FL Cert.#6634
Continued on page 2	October 20, 2005

WARNING - Verify design parameters and READ NOTES ON THIS AND REVERSE SIDE BEFORE USE.
 Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89** and **BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Symbols

PLATE LOCATION AND ORIENTATION

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



- * For 4 x 2 orientation, locate plates 0 - 1/16" from outside edge of truss.

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



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

PLATE SIZE

4 x 4

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

LATERAL BRACING



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

BEARING

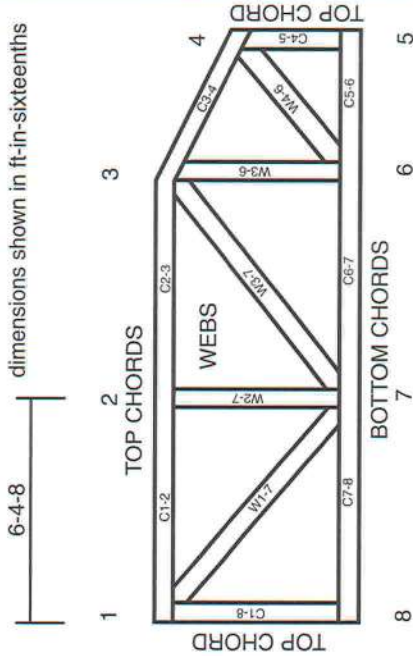


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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

Numbering System



Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES (LOT 24)	I9261011
8596-1	H13	ROOF TRUSS	1	2	Job Reference (optional)	

Reese Building Components, INC., Sylvester Ga.

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LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-60, 5-10=-131(F=-71), 2-19=-44(F=-24), 15-18=-44(F=-24), 11-14=-44(F=-24)
Concentrated Loads (lb)
Vert: 5=-385(F)

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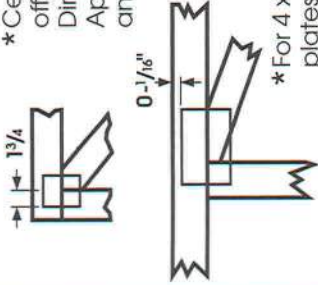
14515 N. Outer Forty,
Suite #300
Chesterfield, MO 63017



Symbols

PLATE LOCATION AND ORIENTATION

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



- * For 4 x 2 orientation, locate plates 0 - 1/16" from outside edge of truss.

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



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

PLATE SIZE

4 x 4

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

LATERAL BRACING



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

BEARING

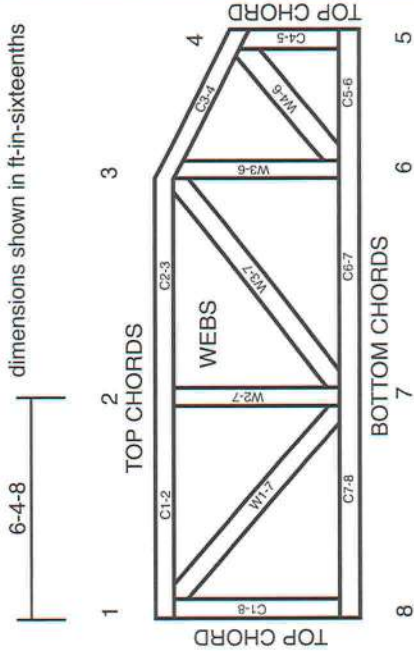


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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

Numbering System



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

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

CONNECTOR PLATE CODE APPROVALS

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



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES (LOT 24)	19261012
8596-1	H14	ROOF TRUSS	1	1	Job Reference (optional)	

Reese Building Components, INC., Sylvester Ga.

6.200 s Oct 18 2005 MiTek Industries, Inc. Thu Oct 20 12:00:43 2005 Page 1

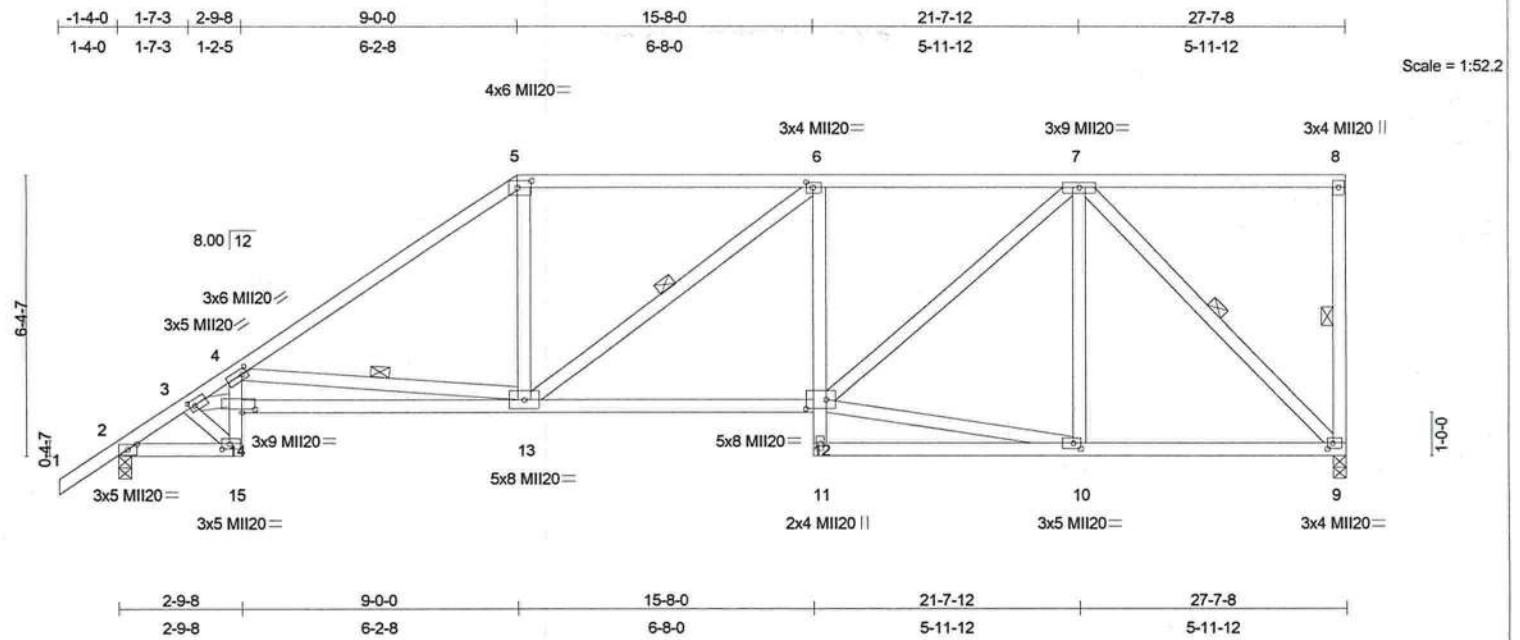


Plate Offsets (X,Y): [2:0-2-9,0-1-8], [3:0-1-8,0-1-8], [4:0-1-8,0-1-8], [5:0-3-12,0-2-0], [6:0-1-12,0-1-8], [9:0-1-8,0-1-8], [10:0-2-0,0-1-8], [12:0-5-8,0-2-8], [14:0-3-8,0-1-0], [15:0-2-0,0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.40	Vert(LL)	0.18 13-14	>999	360	MI20	249/190
TCDL 10.0	Lumber Increase	1.25	BC 0.77	Vert(TL)	-0.27 13-14	>999	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.71	Horz(TL)	0.15 9	n/a	n/a		
BCDL 10.0	Code FBC2001/ANSI95		(Matrix)						
								Weight: 178 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Sheathed or 3-5-9 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 5-2-13 oc bracing.
6-11 2 X 4 SYP No.3	WEBS 1 Row at midpt 8-9, 4-13, 6-13, 7-9
WEBS 2 X 4 SYP No.3	

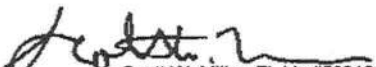
This truss design is based upon the building code shown. This code has been specified by the project engineer/architect, or building designer. The applicability of this code in any particular jurisdiction should be confirmed with the building official prior to truss fabrication. This determination is not the responsibility of the component/truss designer.

REACTIONS (lb/size) 9=1091/0-3-8, 2=1184/0-3-8
Max Horz 2=352(load case 3)
Max Uplift 9=497(load case 2), 2=-426(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-1639/422, 3-4=-3077/1142, 4-5=-1714/595, 5-6=-1365/560, 6-7=-1465/642, 7-8=-58/120, 8-9=-159/162
BOT CHORD 2-15=-617/1218, 14-15=-397/836, 4-14=-314/790, 13-14=-1372/2930, 12-13=-756/1482, 11-12=0/62, 6-12=-273/239, 10-11=-68/99, 9-10=-457/862
WEBS 3-15=-1165/583, 3-14=-1062/2204, 4-13=-1591/835, 5-13=-103/465, 6-13=-148/363, 10-12=-395/775, 7-12=-384/798, 7-10=-22/157, 7-9=-1209/543

- NOTES**
- 1) Wind: ASCE 7-98; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DQL=1.33.
 - 2) Provide adequate drainage to prevent water ponding.
 - 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 497 lb uplift at joint 9 and 426 lb uplift at joint 2.

LOAD CASE(S) Standard


Scott W. Miller, FL Lic #58316
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO, 63017
FL Cert.#6634

October 20,2005

WARNING - Verify design parameters and READ NOTES ON THIS AND REVERSE SIDE BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

14515 N. Outer Forty,
Suite #300
Chesterfield, MO 63017

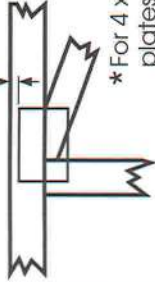


Symbols

PLATE LOCATION AND ORIENTATION

→ 1 3/4" 0 - 1/16"

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



* For 4 x 2 orientation, locate plates 0 - 1/16" from outside edge of truss.

==

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

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

PLATE SIZE

4 x 4

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

LATERAL BRACING



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

BEARING

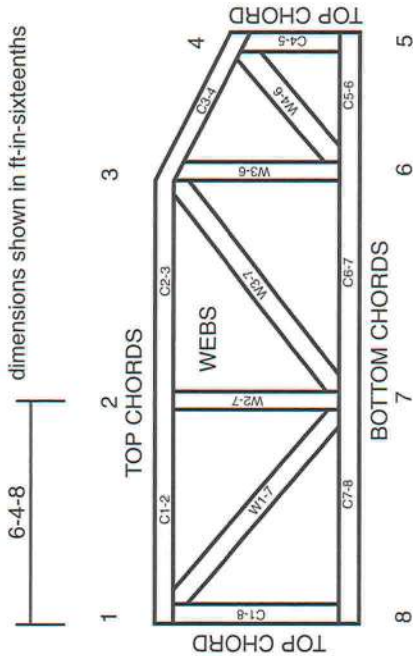


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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

Numbering System



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

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

CONNECTOR PLATE CODE APPROVALS

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



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES (LOT 24)
8596-1	H15	ROOF TRUSS	1	1	Job Reference (optional)

Reese Building Components, INC., Sylvester Ga.

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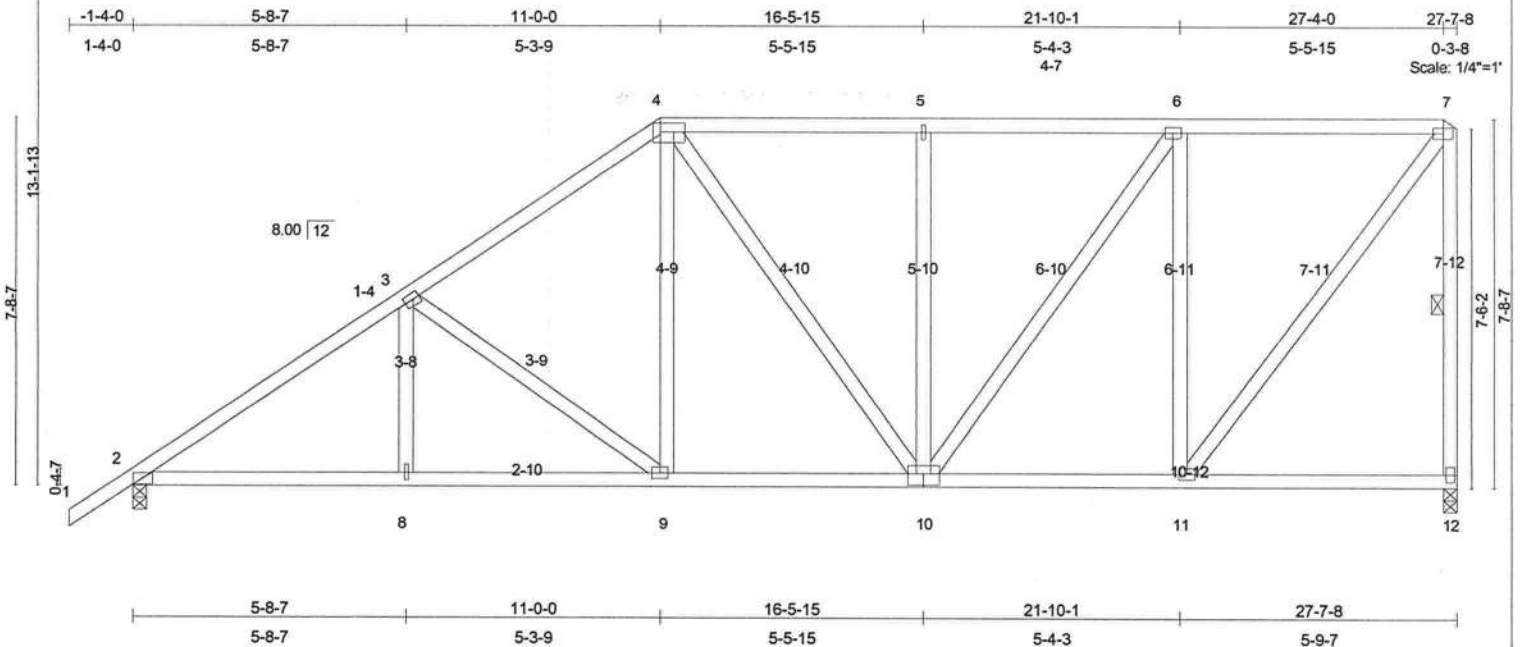


Plate Offsets (X,Y): [2:0-2-9,0-1-8], [3:0-1-12,0-1-8], [4:0-6-4,0-2-4], [10:0-4-0,0-3-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.47	Vert(LL)	0.06	9-10	>999	360	M120	249/190
TCDL 10.0	Lumber Increase	1.25	BC 0.36	Vert(TL)	-0.10	9-10	>999	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.75	Horz(TL)	0.03	12	n/a	n/a		
BCDL 10.0	Code FBC2001/ANSI95		(Matrix)							
									Weight: 184 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Sheathed or 4-8-9 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 7-9-13 oc bracing.
WEBS 2 X 4 SYP No.3	WEBS 1 Row at midpt 7-12

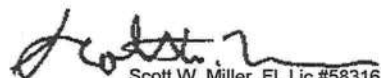
This truss design is based upon the building code shown. This code has been specified by the project engineer/architect, or building designer. The applicability of this code in any particular jurisdiction should be confirmed with the building official prior to truss fabrication. This determination is not the responsibility of the component/truss designer.

REACTIONS (lb/size) 2=1184/0-3-8, 12=1091/0-3-8
Max Horz 2=479(load case 4)
Max Uplift 2=-419(load case 4), 12=-469(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-1666/417, 3-4=-1271/422, 4-5=-990/415, 5-6=-989/415, 6-7=-687/293, 7-12=-1033/489
BOT CHORD 2-8=-638/1296, 8-9=-638/1296, 9-10=-397/989, 10-11=-293/687, 11-12=-10/19
WEBS 3-8=0/127, 3-9=-385/313, 4-9=-125/328, 4-10=-220/146, 5-10=-315/318, 6-10=-208/517, 6-11=-769/440, 7-11=-470/1104

NOTES
1) Wind: ASCE 7-98; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed; end vertical left exposed; Lumber DOL=1.33 plate grip DOL=1.33.
2) Provide adequate drainage to prevent water ponding.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 419 lb uplift at joint 2 and 469 lb uplift at joint 12.

LOAD CASE(S) Standard


Scott W. Miller, FL Lic #58316
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO, 63017
FL Cert.#6634

October 20,2005

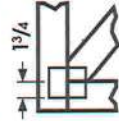
WARNING - Verify design parameters and READ NOTES ON THIS AND REVERSE SIDE BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

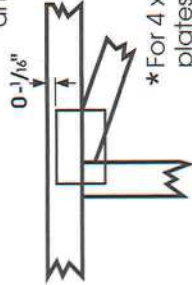
14515 N. Outer Forty,
Suite #300
Chesterfield, MO 63017



Symbols

PLATE LOCATION AND ORIENTATION

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



- * For 4 x 2 orientation, locate plates 0 - 1/16" from outside edge of truss.

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

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

PLATE SIZE

4 X 4

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

LATERAL BRACING



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

BEARING

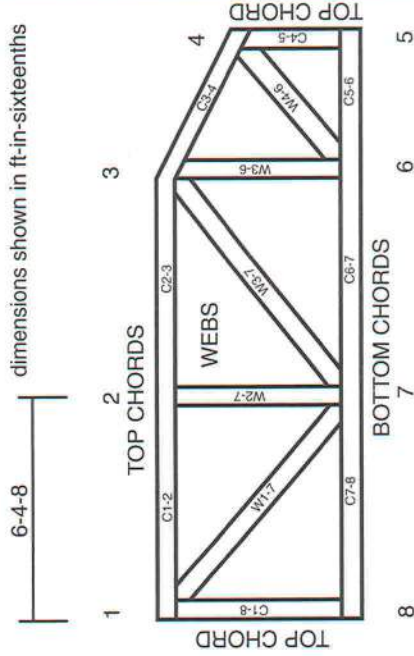


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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

Numbering System



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

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

CONNECTOR PLATE CODE APPROVALS

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



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES (LOT 24)	19261014
8596-1	H16	ROOF TRUSS	1	1	Job Reference (optional)	

Reese Building Components, INC., Sylvester Ga. 6.200 s Oct 18 2005 MiTek Industries, Inc. Thu Oct 20 12:00:44 2005 Page 1

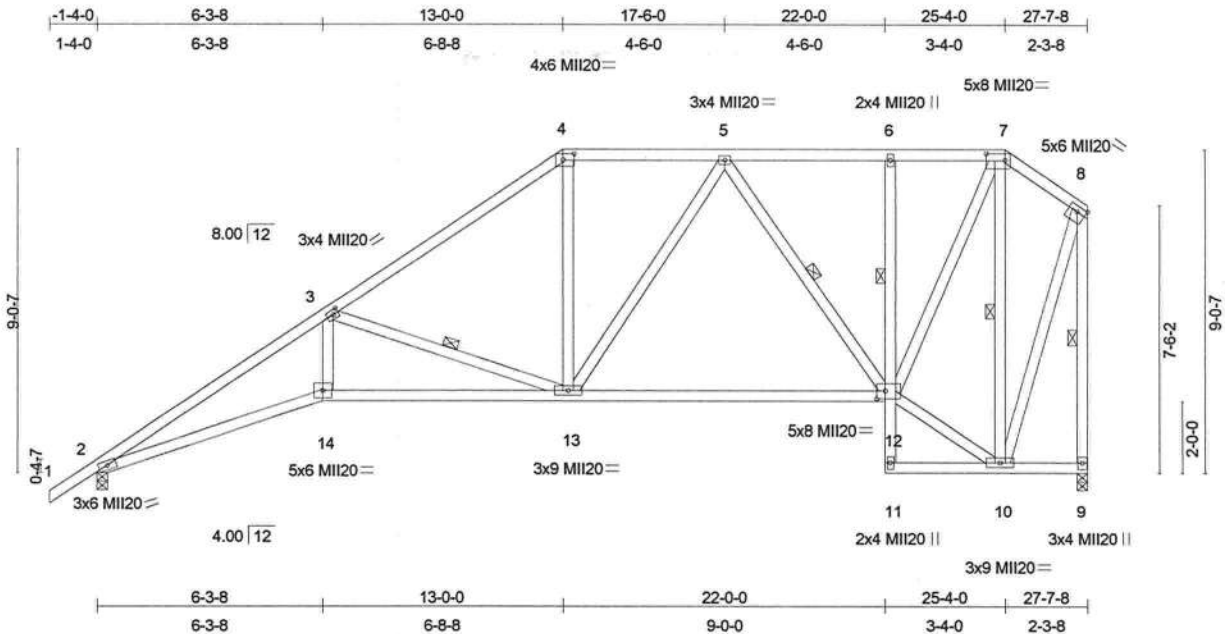


Plate Offsets (X,Y): [3:0-1-12,0-1-8], [4:0-3-12,0-2-0], [7:0-6-4,0-2-4], [8:Edge,0-1-12], [12:0-2-12,0-2-8]									
LOADING (psf)		SPACING 2-0-0		CSI		DEFL in (loc) l/defl L/d		PLATES GRIP	
TCLL	20.0	Plates Increase	1.25	TC	0.50	Vert(LL)	0.19 13-14 >999 360	MI120	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.64	Vert(TL)	-0.27 12-13 >999 240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.64	Horz(TL)	0.19 9 n/a n/a		
BCDL	10.0	Code	FBC2001/ANSI95	(Matrix)					Weight: 198 lb

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Sheathed or 3-4-0 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 5-0-0 oc bracing. Except:
6-11 2 X 4 SYP No.3	1 Row at midpt 6-12
WEBS 2 X 4 SYP No.3	WEBS 1 Row at midpt 3-13, 5-12, 7-10, 8-9

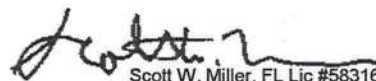
REACTIONS (lb/size) 2=1184/0-3-8, 9=1091/0-3-8
Max Horz 2=552(load case 3)
Max Uplift 2=466(load case 4), 9=474(load case 3)

This truss design is based upon the building code shown. This code has been specified by the project engineer/architect, or building designer. The applicability of this code in any particular jurisdiction should be confirmed with the building official prior to truss fabrication. This determination is not the responsibility of the component/truss designer.

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/42, 2-3=-3017/1237, 3-4=-1477/597, 4-5=-1145/565, 5-6=-725/323, 6-7=-712/320, 7-8=-357/280, 8-9=-1058/419
BOT CHORD 2-14=-1541/2546, 13-14=-1425/2337, 12-13=-730/1022, 11-12=-4/29, 6-12=-257/232, 10-11=-47/0, 9-10=-102/125
WEBS 3-14=-424/925, 3-13=-1272/741, 4-13=-94/403, 5-13=-166/303, 5-12=-527/362, 10-12=-222/325, 7-12=-675/1085, 7-10=-943/690, 8-10=-477/848

- NOTES**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-98; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 466 lb uplift at joint 2 and 474 lb uplift at joint 9.

LOAD CASE(S) Standard


Scott W. Miller, FL Lic #58316
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO, 63017
FL Cert.#6634
October 20,2005

WARNING - Verify design parameters and READ NOTES ON THIS AND REVERSE SIDE BEFORE USE.

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

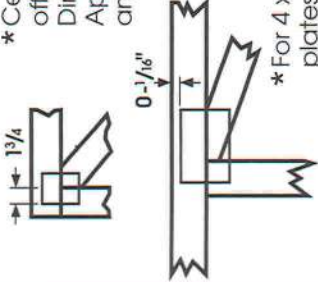
14515 N. Outer Forty,
Suite #300
Chesterfield, MO 63017



Symbols

PLATE LOCATION AND ORIENTATION

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



- * For 4 x 2 orientation, locate plates 0 - 1/16" from outside edge of truss.

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



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

PLATE SIZE

4 x 4

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

LATERAL BRACING



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

BEARING



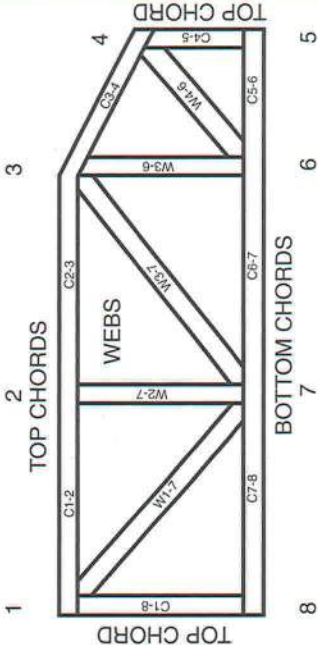
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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

Numbering System

6-4-8 dimensions shown in ft-in-sixteenths



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

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

CONNECTOR PLATE CODE APPROVALS

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



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES (LOT 24)	19261015
8596-1	H17	ROOF TRUSS	1	1	Job Reference (optional)	

Reese Building Components, INC., Sylvester Ga.

6.200 s Oct 18 2005 MiTek Industries, Inc. Thu Oct 20 12:00:44 2005 Page 1

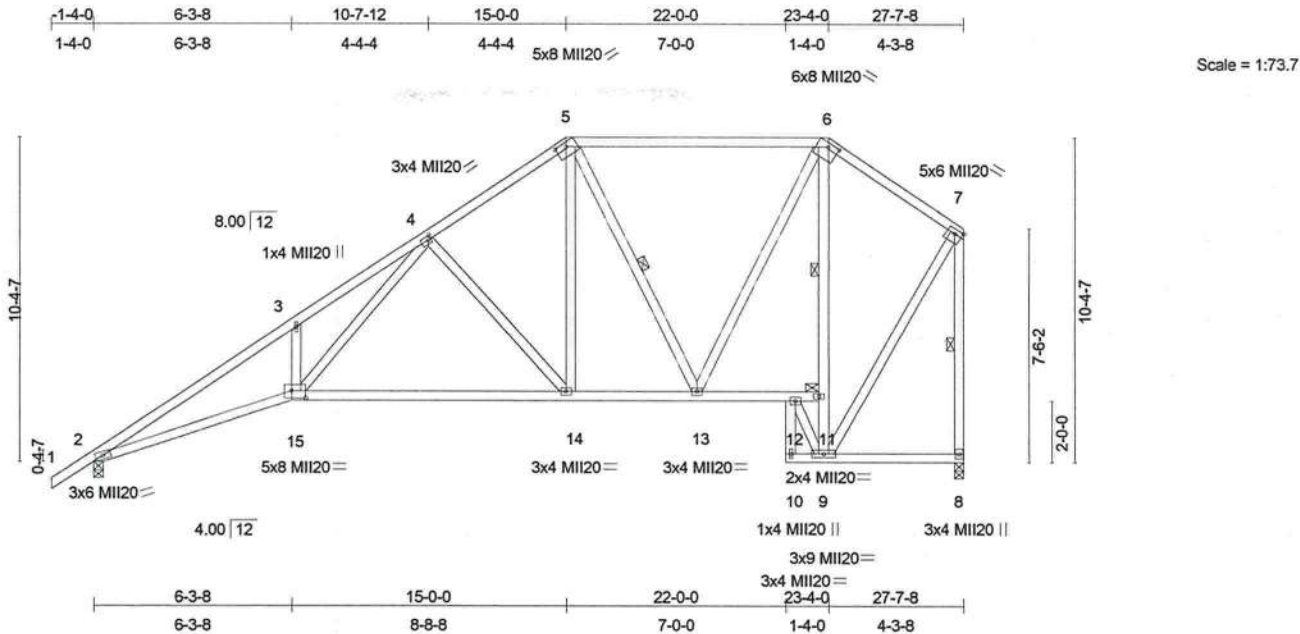


Plate Offsets (X,Y): [4:0-1-0,0-1-8], [5:0-4-0,0-1-9], [6:0-4-0,0-1-9], [7:Edge,0-1-12], [15:0-5-8,0-2-12]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.54	Vert(LL)	0.23 14-15	>999	360	MI20	249/190
TCDL 10.0	Lumber Increase	1.25	BC 0.81	Vert(TL)	-0.41 14-15	>810	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.65	Horz(TL)	0.33 8	n/a	n/a		
BCDL 10.0	Code	FBC2001/ANSI95	(Matrix)						
								Weight: 195 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 Sheathed or 3-3-7 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 5-1-11 oc bracing.
 WEBS 1 Row at midpt 6-11, 7-8, 5-13
 JOINTS 1 Brace at Jt(s): 11

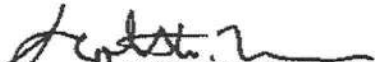
REACTIONS (lb/size) 2=1184/0-3-8, 8=1091/0-3-8
 Max Horz 2=608(load case 3)
 Max Uplift 2=479(load case 4), 8=340(load case 3)

This truss design is based upon the building code shown. This code has been specified by the project engineer/architect, or building designer. The applicability of this code in any particular jurisdiction should be confirmed with the building official prior to truss fabrication. This determination is not the responsibility of the component/truss designer.

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/42, 2-3=-3021/1068, 3-4=-2974/1327, 4-5=-1187/479, 5-6=-769/366, 6-7=-547/296, 7-8=-1100/370
 BOT CHORD 2-15=-1446/2546, 14-15=-848/1352, 13-14=-642/963, 12-13=-323/437, 11-12=-39/55, 9-10=0/0, 8-9=-85/131
 WEBS 3-15=-278/383, 4-15=-845/1632, 4-14=-608/463, 5-14=-277/573, 9-11=-1170/884, 6-11=-782/584, 7-9=-471/864, 10-12=-192/89, 5-13=-446/264, 6-13=-431/725, 9-12=-614/826

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-98; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
 - Provide adequate drainage to prevent water ponding.
 - Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 479 lb uplift at joint 2 and 340 lb uplift at joint 8.

LOAD CASE(S) Standard


 Scott W. Miller, FL Lic #58316
 MiTek Industries, Inc.
 14515 North Outer Forty Drive
 Suite 300
 Chesterfield, MO, 63017
 FL Cert.#6634

October 20,2005

WARNING - Verify design parameters and READ NOTES ON THIS AND REVERSE SIDE BEFORE USE.

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

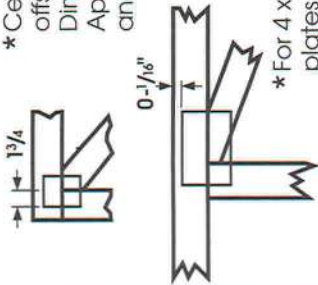
14515 N. Outer Forty,
Suite #300
Chesterfield, MO 63017



Symbols

PLATE LOCATION AND ORIENTATION

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



* For 4 x 2 orientation, locate plates 0 - 1/16" from outside edge of truss.

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



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

PLATE SIZE

4 x 4
The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING

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



BEARING

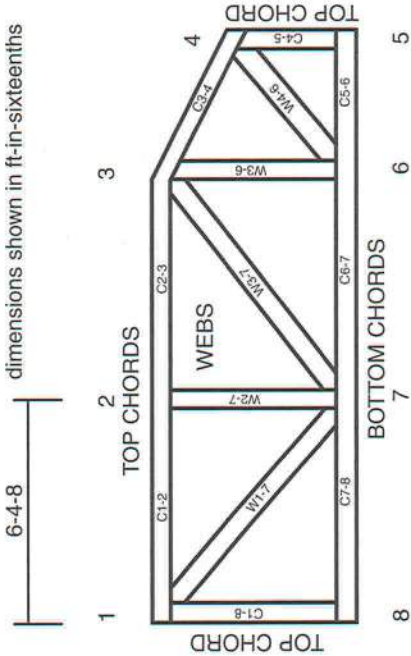
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.



Industry Standards:

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

Numbering System



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

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

CONNECTOR PLATE CODE APPROVALS

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

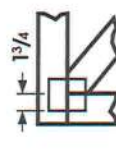


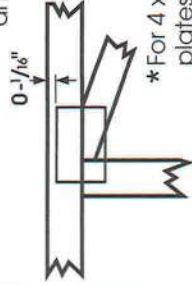
General Safety Notes
Failure to Follow Could Cause Property Damage or Personal Injury

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

Symbols

PLATE LOCATION AND ORIENTATION

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



- * For 4 x 2 orientation, locate plates 0 - 1/16" from outside edge of truss.

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

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

PLATE SIZE

4 x 4

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

LATERAL BRACING



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

BEARING

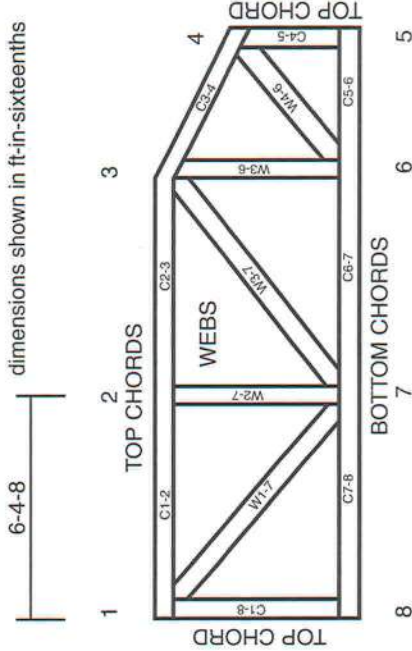


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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

Numbering System



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

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

CONNECTOR PLATE CODE APPROVALS

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



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES (LOT 24)	19261017
8596-1	H19	ROOF TRUSS	1	1	Job Reference (optional)	

Reese Building Components, INC., Sylvester Ga. 6.200 s Oct 18 2005 MiTek Industries, Inc. Thu Oct 20 12:00:45 2005 Page 1

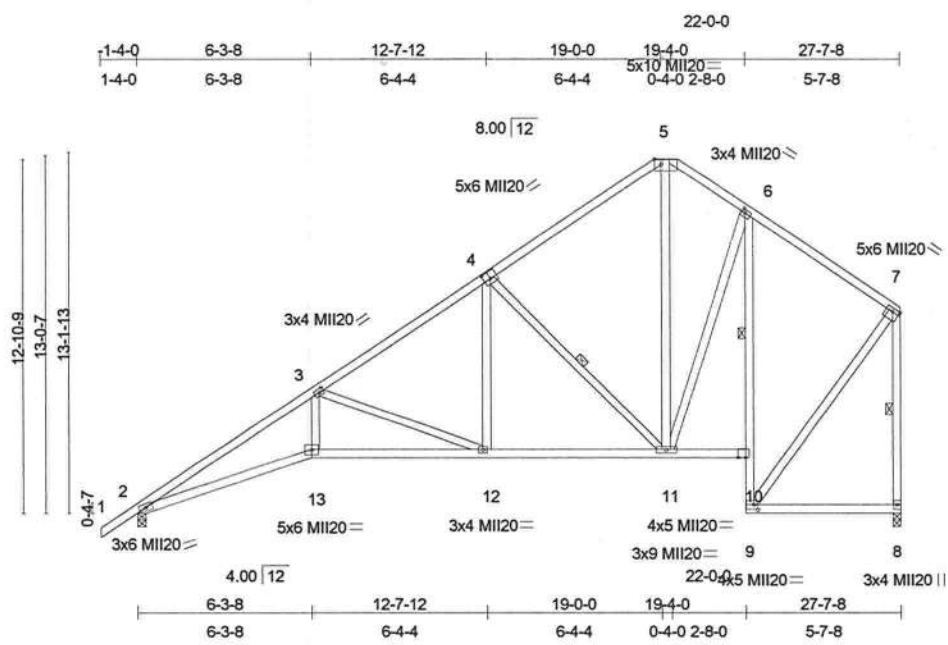


Plate Offsets (X,Y): [3:0-1-12,0-1-8], [4:0-3-0,0-3-0], [5:0-3-0,Edge], [6:0-1-4,0-1-8], [7:0-3-0,0-1-8], [9:0-1-12,0-2-0], [10:0-3-4,Edge]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.51	Vert(LL)	0.19 12-13	>999	360	MII20	249/190
TCDL 10.0	Lumber Increase 1.25	BC 0.94	Vert(TL)	-0.31 12-13	>999	240		
BCLL 0.0	Rep Stress Incr YES	WB 0.95	Horz(TL)	0.43 8	n/a	n/a		
BCDL 10.0	Code FBC2001/ANSI95	(Matrix)						
								Weight: 197 lb

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Sheathed or 3-3-13 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 5-5-7 oc bracing. Except:
6-9 2 X 4 SYP No.2D	1 Row at midpt 6-10
WEBS 2 X 4 SYP No.3	WEBS 1 Row at midpt 4-11, 7-8

REACTIONS (lb/size) 2=1184/0-3-8, 8=1091/0-3-8
Max Horz 2=722(load case 3)
Max Uplift 2=489(load case 4), 8=390(load case 4)

This truss design is based upon the building code shown. This code has been specified by the project engineer/architect, or building designer. The applicability of this code in any particular jurisdiction should be confirmed with the building official prior to truss fabrication. This determination is not the responsibility of the component/truss designer.

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/42, 2-3=-3014/1207, 3-4=-1517/596, 4-5=-845/410, 5-6=-763/463, 6-7=-655/375, 7-8=-1105/438
BOT CHORD 2-13=-1258/2542, 12-13=-1161/2331, 11-12=-581/1173, 10-11=-226/492, 9-10=-506/179, 6-10=-657/267, 8-9=-90/116
WEBS 3-13=-340/934, 3-12=-1232/762, 4-12=-203/555, 4-11=-803/563, 6-11=-315/424, 7-9=-207/776, 5-11=-263/501

- NOTES**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-98; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
 - 3) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 489 lb uplift at joint 2 and 390 lb uplift at joint 8.

LOAD CASE(S) Standard


Scott W. Miller, FL Lic #58316
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO, 63017
FL Cert.#6634
October 20,2005

WARNING - Verify design parameters and READ NOTES ON THIS AND REVERSE SIDE BEFORE USE.

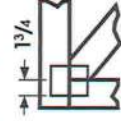
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

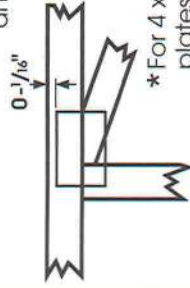
14515 N. Outer Forty,
Suite #300
Chesterfield, MO 63017



Symbols

PLATE LOCATION AND ORIENTATION

-  $\frac{1}{4}$ "
- * Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and securely seat.



- * For 4 x 2 orientation, locate plates 0 - $\frac{1}{16}$ " from outside edge of truss.

-  $\frac{1}{16}$ "
- * This symbol indicates the required direction of slots in connector plates.

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

PLATE SIZE

4 x 4

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

LATERAL BRACING



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

BEARING

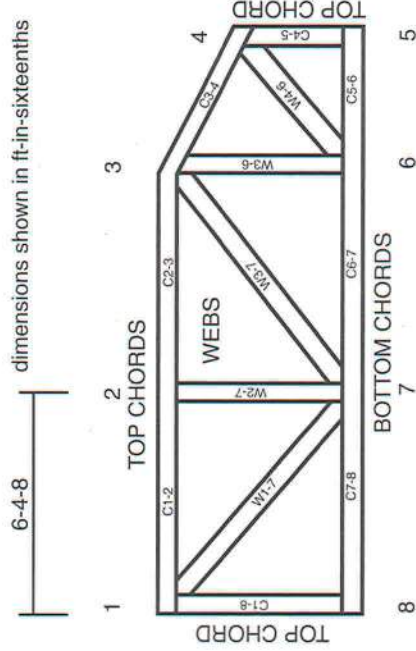


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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

Numbering System



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

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

CONNECTOR PLATE CODE APPROVALS

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



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES (LOT 24)	19261018
8596-1	H2	ROOF TRUSS	1	1	Job Reference (optional)	

Reese Building Components, INC., Sylvester Ga.

6.200 s Oct 18 2005 MiTek Industries, Inc. Thu Oct 20 12:00:45 2005 Page 1

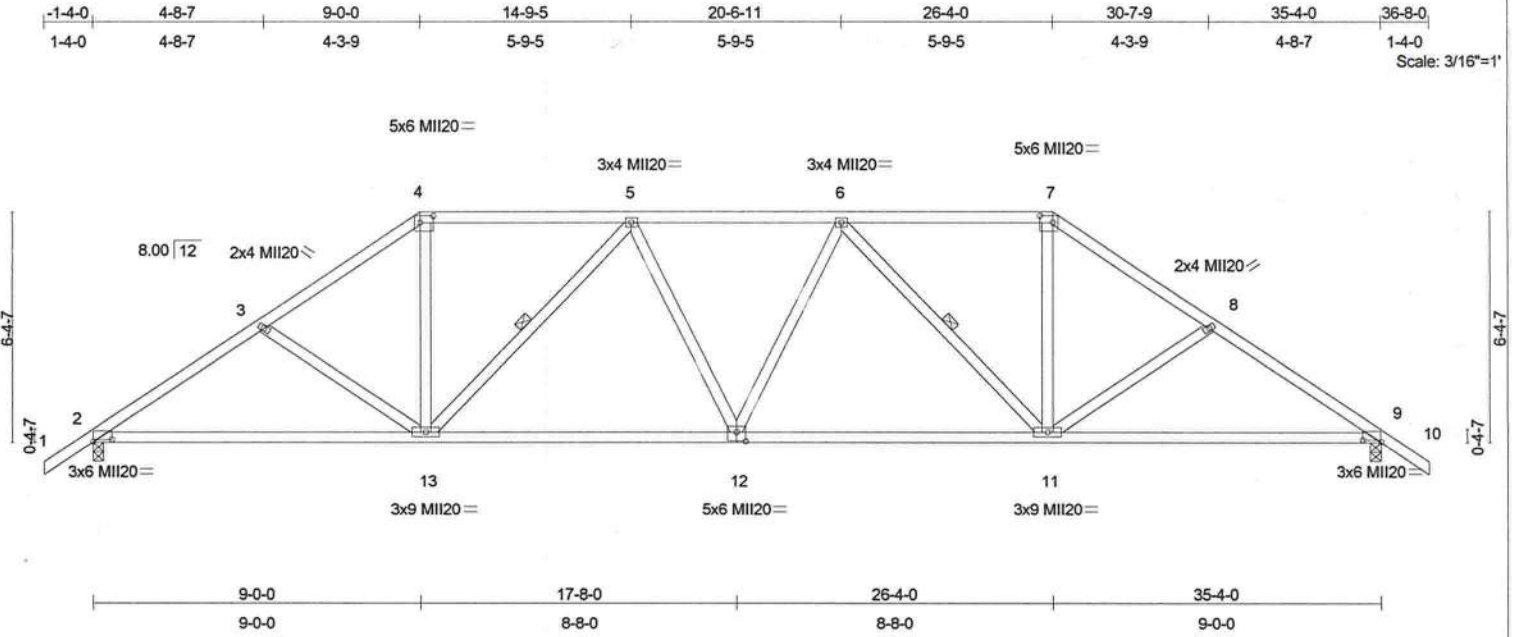


Plate Offsets (X,Y): [2:0-6-3,0-0-10], [4:0-4-4,0-2-4], [7:0-4-4,0-2-4], [9:0-6-3,0-0-10], [12:0-3-0,0-3-0]															
LOADING (psf)		SPACING		2-0-0		CSI		DEFL		in (loc) l/defl L/d		PLATES		GRIP	
TCLL	20.0	Plates Increase		1.25		TC	0.36	Vert(LL)	0.13	12	>999	360	MI20	249/190	
TCDL	10.0	Lumber Increase		1.25		BC	0.55	Vert(TL)	-0.24	12-13	>999	240			
BCLL	0.0	Rep Stress Incr		YES		WB	0.33	Horz(TL)	0.09	9	n/a	n/a			
BCDL	10.0	Code FBC2001/ANSI95				(Matrix)								Weight: 192 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Sheathed or 4-1-14 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 6-6-12 oc bracing.
WEBS 2 X 4 SYP No.3	WEBS 1 Row at midpt 5-13, 6-11

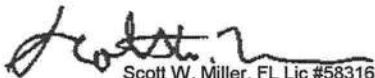
REACTIONS (lb/size) 2=1490/0-3-8, 9=1490/0-3-8
Max Horz 2=-260(load case 2)
Max Uplift2=-507(load case 3), 9=-507(load case 2)

This truss design is based upon the building code shown. This code has been specified by the project engineer/architect, or building designer. The applicability of this code in any particular jurisdiction should be confirmed with the building official prior to truss fabrication. This determination is not the responsibility of the component/truss designer.

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-2155/811, 3-4=-1945/787, 4-5=-1577/712, 5-6=-2011/861, 6-7=-1577/712, 7-8=-1945/787, 8-9=-2155/811, 9-10=0/44
BOT CHORD 2-13=-828/1725, 12-13=-922/1973, 11-12=-858/1973, 9-11=-568/1725
WEBS 3-13=-202/266, 4-13=-201/729, 5-13=-653/498, 5-12=-28/135, 6-12=-28/135, 6-11=-653/498, 7-11=-202/729, 8-11=-202/267

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 507 lb uplift at joint 2 and 507 lb uplift at joint 9.

LOAD CASE(S) Standard


Scott W. Miller, FL Lic #58316
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO, 63017
FL Cert.#6634

October 20,2005

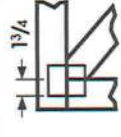
WARNING - Verify design parameters and READ NOTES ON THIS AND REVERSE SIDE BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

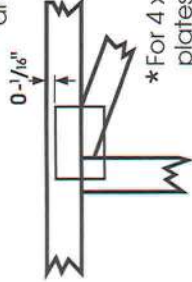
14515 N. Outer Forty,
Suite #300
Chesterfield, MO 63017



Symbols

PLATE LOCATION AND ORIENTATION

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



- * For 4 x 2 orientation, locate plates 0 - 1/16" from outside edge of truss.

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

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

PLATE SIZE

4 x 4

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

LATERAL BRACING



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

BEARING

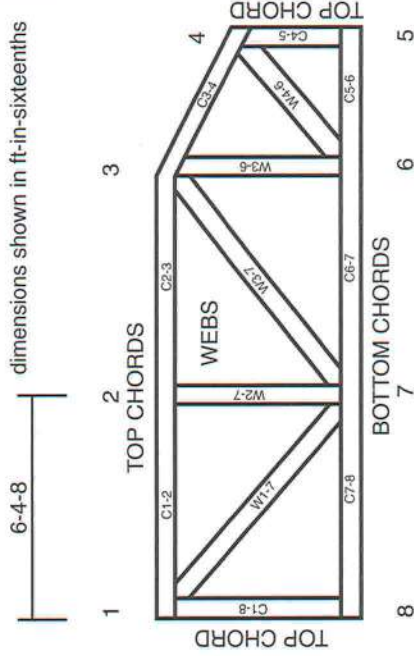


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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

Numbering System



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

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

CONNECTOR PLATE CODE APPROVALS

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



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES (LOT 24)	19261019
8596-1	H3	ROOF TRUSS	1	1	Job Reference (optional)	

Reese Building Components, INC., Sylvester Ga.

6.200 s Oct 18 2005 MiTek Industries, Inc. Thu Oct 20 12:00:45 2005 Page 1

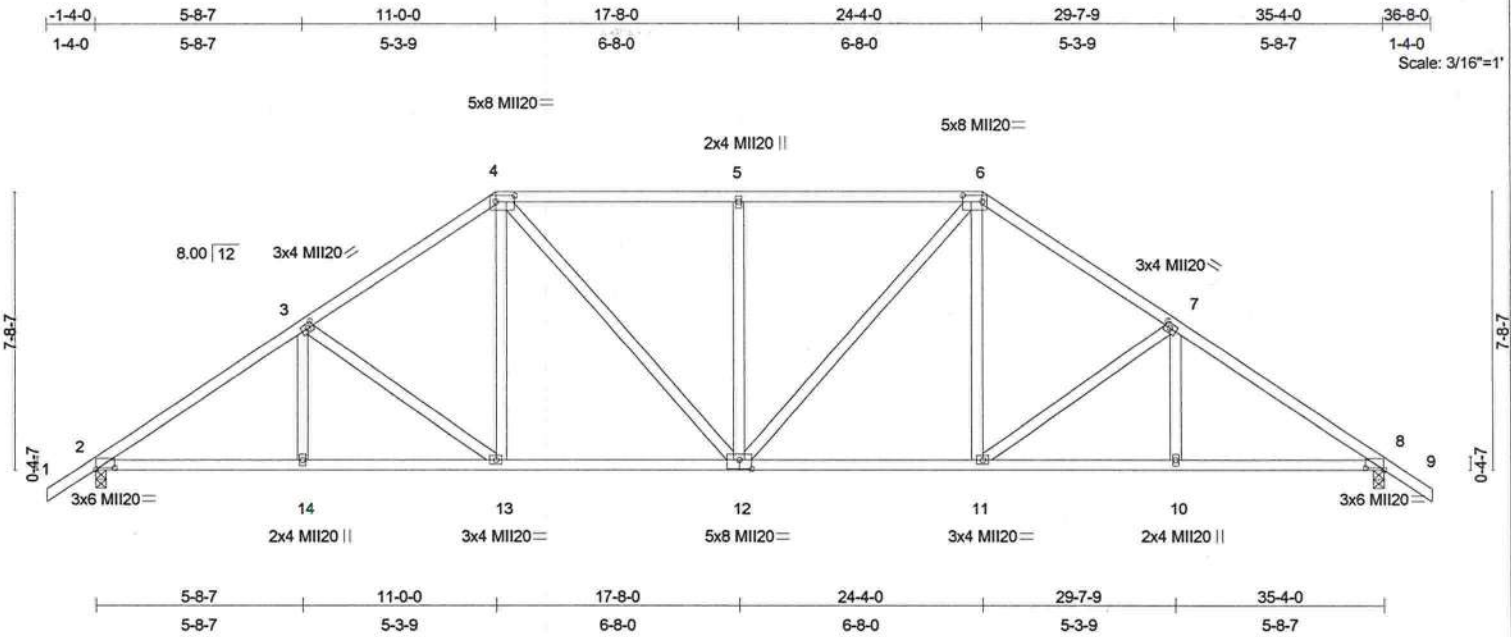


Plate Offsets (X,Y): [2:0-6-3,0-0-10], [3:0-1-12,0-1-8], [4:0-6-4,0-2-4], [6:0-6-4,0-2-4], [7:0-1-12,0-1-8], [8:0-6-3,0-0-10], [12:0-4-0,0-3-0]																			
LOADING (psf)		SPACING		2-0-0		CSI		DEFL		in (loc)		l/defl		L/d		PLATES		GRIP	
TCLL 20.0		Plates Increase		1.25		TC 0.41		Vert(LL)		0.10 12-13		>999		360		MI120		249/190	
TCDL 10.0		Lumber Increase		1.25		BC 0.45		Vert(TL)		-0.19 12-13		>999		240					
BCLL 0.0		Rep Stress Incr		YES		WB 0.63		Horz(TL)		0.08 8		n/a		n/a					
BCDL 10.0		Code		FBC2001/ANSI95		(Matrix)													
										Weight: 206 lb									

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Sheathed or 4-0-13 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 7-3-11 oc bracing.
WEBS 2 X 4 SYP No.3	

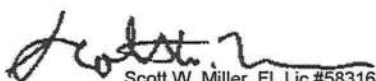
REACTIONS (lb/size) 2=1490/0-3-8, 8=1490/0-3-8
Max Horz 2=-317(load case 2)
Max Uplift 2=-511(load case 4), 8=-511(load case 5)

This truss design is based upon the building code shown. This code has been specified by the project engineer/architect, or building designer. The applicability of this code in any particular jurisdiction should be confirmed with the building official prior to truss fabrication. This determination is not the responsibility of the component/truss designer.

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-2198/630, 3-4=-1814/631, 4-5=-1689/639, 5-6=-1689/639, 6-7=-1814/631, 7-8=-2198/631, 8-9=0/44
BOT CHORD 2-14=-727/1732, 13-14=-727/1732, 12-13=-600/1444, 11-12=-407/1444, 10-11=-411/1732, 8-10=-411/1732
WEBS 3-14=0/122, 3-13=-365/309, 4-13=-118/330, 4-12=-371/466, 5-12=-420/407, 6-12=-372/466, 6-11=-119/330, 7-11=-365/310, 7-10=0/122

- NOTES**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-98; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 511 lb uplift at joint 2 and 511 lb uplift at joint 8.

LOAD CASE(S) Standard


Scott W. Miller, FL Lic #58316
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO, 63017
FL Cert.#6634
October 20,2005

WARNING - Verify design parameters and READ NOTES ON THIS AND REVERSE SIDE BEFORE USE.

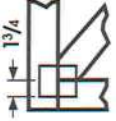
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

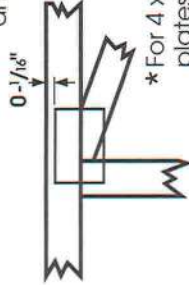
14515 N. Outer Forty,
Suite #300
Chesterfield, MO 63017



Symbols

PLATE LOCATION AND ORIENTATION

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



- * For 4 x 2 orientation, locate plates 0 - 1/16" from outside edge of truss.

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

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

PLATE SIZE

4 x 4

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

LATERAL BRACING



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

BEARING

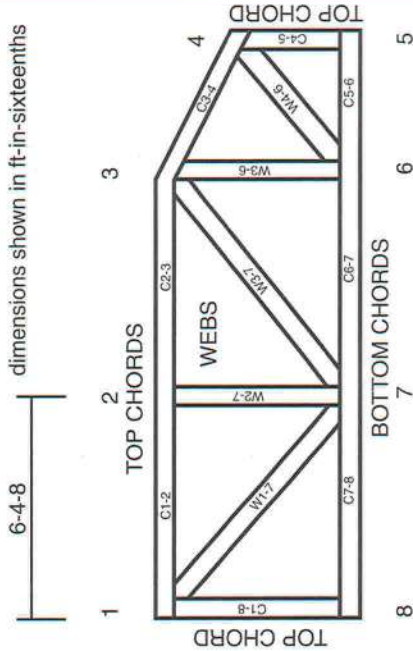


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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

Numbering System



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

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

CONNECTOR PLATE CODE APPROVALS

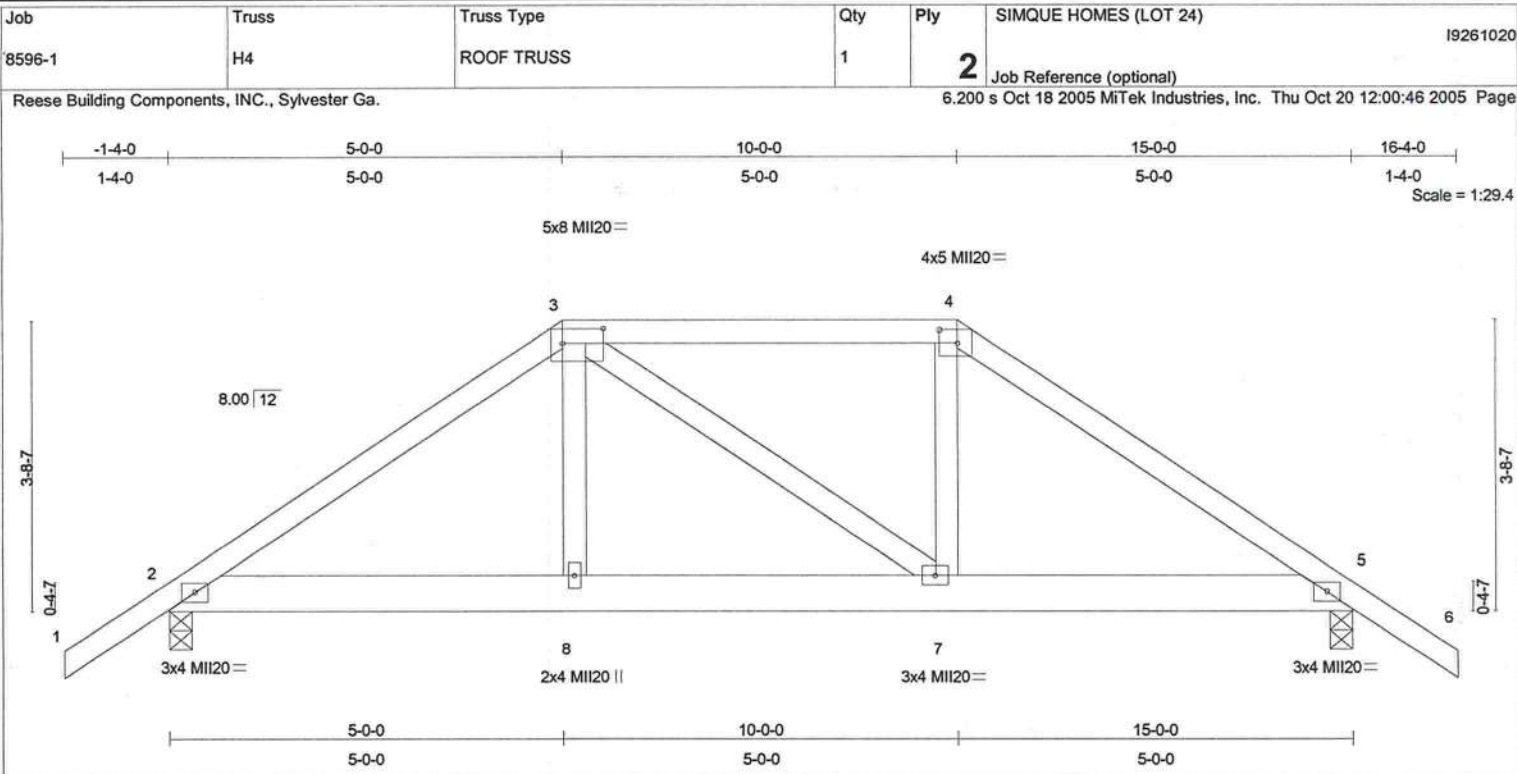
BOCA	96-31, 95-43, 96-20-1, 96-67, 84-32
ICBO	4922, 5243, 5363, 3907
SBCCI	9667, 9730, 9604B, 9511, 9432A



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

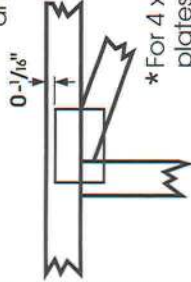


Symbols

PLATE LOCATION AND ORIENTATION

→ 1 3/4" ←

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



* For 4 x 2 orientation, locate plates 0 - 1/16" from outside edge of truss.

==

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

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

PLATE SIZE

4 x 4

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

LATERAL BRACING



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

BEARING

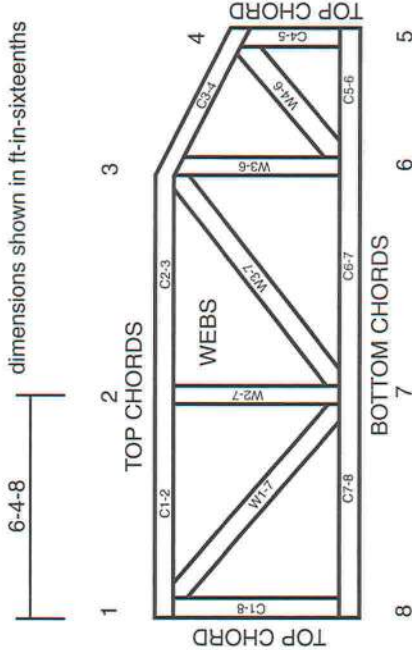


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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

Numbering System

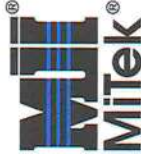


JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

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

CONNECTOR PLATE CODE APPROVALS

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



General Safety Notes

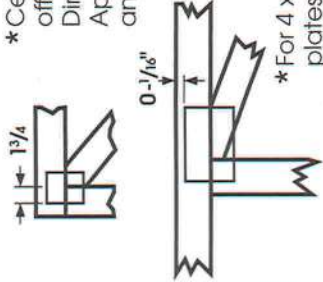
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1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCS11.
2. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
3. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
4. Cut members to bear tightly against each other.
5. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI1.
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13. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
14. Connections not shown are the responsibility of others.
15. Do not cut or alter truss member or plate without prior approval of a professional engineer.
16. Install and load vertically unless indicated otherwise.

Symbols

PLATE LOCATION AND ORIENTATION

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



* For 4 x 2 orientation, locate plates 0 - 1/16" from outside edge of truss.

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



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

PLATE SIZE

4 x 4

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

LATERAL BRACING



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

BEARING

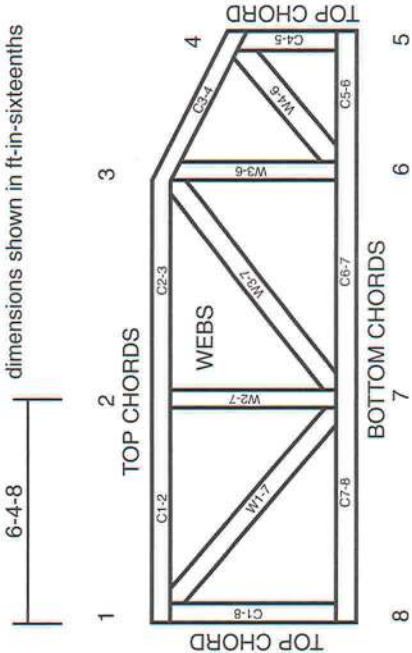


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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

Numbering System



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

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

CONNECTOR PLATE CODE APPROVALS

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

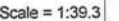


General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCS11.
2. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
3. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
4. Cut members to bear tightly against each other.
5. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI1.
6. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI1.
7. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
8. Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
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14. Connections not shown are the responsibility of others.
15. Do not cut or alter truss member or plate without prior approval of a professional engineer.
16. Install and load vertically unless indicated otherwise.

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October 20, 2005

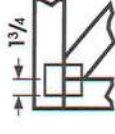
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89** and **BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

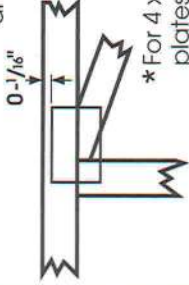
14515 N. Outer Forty,
Suite #300
Chesterfield, MO 63017



Symbols

PLATE LOCATION AND ORIENTATION

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



- * For 4 x 2 orientation, locate plates 0 - 1/16" from outside edge of truss.

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

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

PLATE SIZE

4 X 4

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

LATERAL BRACING



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

BEARING

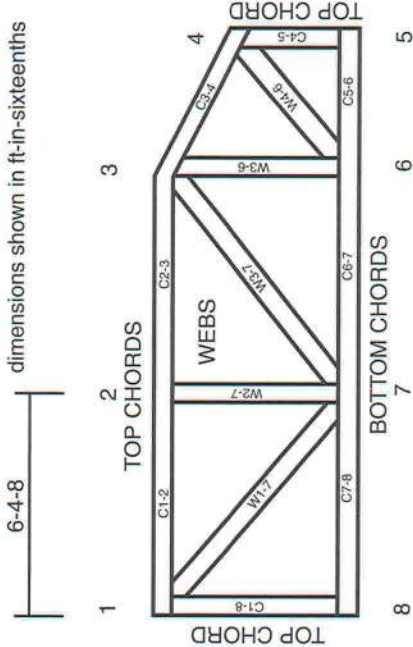


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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

Numbering System



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

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

CONNECTOR PLATE CODE APPROVALS

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

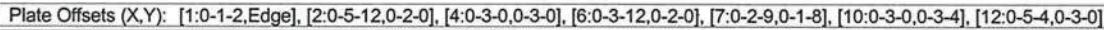


General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCS11.
2. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
3. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
4. Cut members to bear tightly against each other.
5. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI1.
6. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI1.
7. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
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14. Connections not shown are the responsibility of others.
15. Do not cut or alter truss member or plate without prior approval of a professional engineer.
16. Install and load vertically unless indicated otherwise.

6.200 s Oct 18 2005 MiTek Industries, Inc. Thu Oct 20 12:00:46 2005 Page 1



LUMBER		BRACING	
TOP CHORD	2 X 4 SYP No.2	TOP CHORD	Sheathed or 2-9-5 oc purlins.
BOT CHORD	2 X 4 SYP No.2	BOT CHORD	Rigid ceiling directly applied or 3-11-3 oc bracing.
WEBS	2 X 4 SYP No.3	WEBS	1 Row at midpt 3-12, 5-9

This truss design is based upon the building code shown. This code has been specified by the project engineer/architect, or building designer. The applicability of this code in any particular jurisdiction should be confirmed with the building official prior to truss fabrication. This determination is not the responsibility of the component/truss designer.

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-98; 110mph (3-second gust); h=15ft; TCDF=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
- 3) Provide adequate drainage to prevent water ponding.
- 4) 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.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 575 lb uplift at joint 1 and 694 lb uplift at joint 8.

LOAD CASE(S) Standard

October 20, 2005

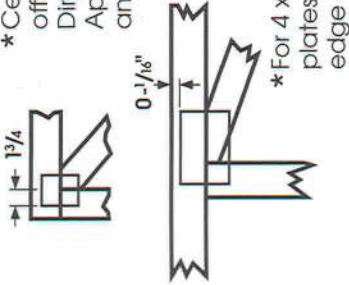
Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



Symbols

PLATE LOCATION AND ORIENTATION

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



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



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

PLATE SIZE

4 x 4

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

LATERAL BRACING

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



BEARING

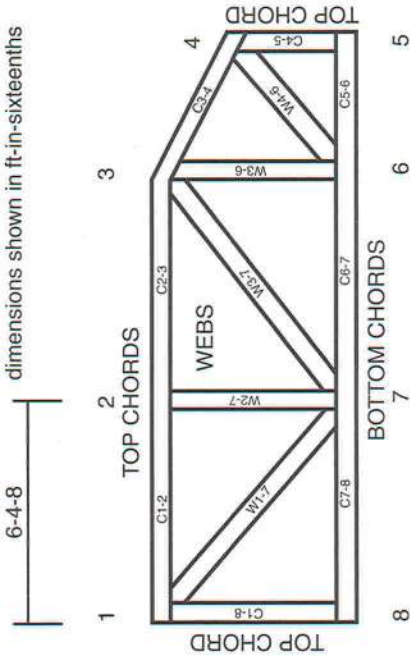
- Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.



Industry Standards:

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

Numbering System



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

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

CONNECTOR PLATE CODE APPROVALS

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

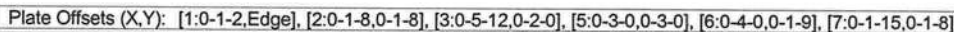


General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCS11.
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14. Connections not shown are the responsibility of others.
15. Do not cut or alter truss member or plate without prior approval of a professional engineer.
16. Install and load vertically unless indicated otherwise.

6.200 s Oct 18 2005 MiTek Industries, Inc. Thu Oct 20 12:00:47 2005 Page 1



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	Sheathed or 2-9-5 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 4-8-8 oc bracing.
WEBS	1 Row at midpt 6-11

This truss design is based upon the building code shown. This code has been specified by the project engineer/architect, or building designer. The applicability of this code in any particular jurisdiction should be confirmed with the building official prior to truss fabrication. This determination is not the responsibility of the component/truss designer.

REACTIONS (lb/size) 1=1323/0-3-8, 8=1492/0-3-8
Max Horz 1=238(load case 3)
Max Uplift1=-511(load case 3), 8=-600(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-3766/1749, 2-3=-2685/1364, 3-4=-2903/1557, 4-5=-2903/1557, 5-6=-2540/1349, 6-7=-95/231
BOT CHORD 1-14=-1673/3186, 13-14=-1543/2936, 12-13=-1202/2242, 11-12=-1387/2563, 10-11=-549/1164, 9-10=-549/1164,
 8-9=-552/1160, 7-8=-103/174
WEBS 2-14=-495/1092, 2-13=-1018/548, 3-13=-324/821, 3-12=-619/840, 4-12=-416/386, 5-12=-216/398, 5-11=-624/517,
 6-11=-931/1597, 6-9=0/105, 6-8=-1828/773

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-98; 110mph (3-second gust); h=15ft; TCDF=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
- 3) Provide adequate drainage to prevent water ponding.
- 4) 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.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 511 lb uplift at joint 1 and 600 lb uplift at joint 8.

LOAD CASE(S) Standard


Scott W. Miller, FL Lic #58316
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO, 63017
FL Cert.#6634

October 20, 2005

 **WARNING** - Verify design parameters and READ NOTES ON THIS AND REVERSE SIDE BEFORE USE.

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, D5B-89** and **BCS1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

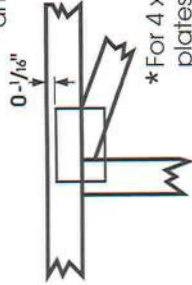
14515 N. Outer Forty,
Suite #300
Chesterfield, MO 63017



Symbols

PLATE LOCATION AND ORIENTATION

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



- * For 4 x 2 orientation, locate plates 0 - 1/16" from outside edge of truss.

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

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

PLATE SIZE

4 X 4

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

LATERAL BRACING



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

BEARING

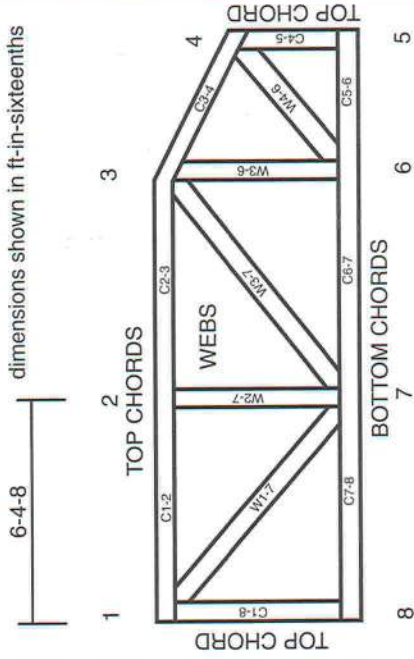


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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

Numbering System



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

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

CONNECTOR PLATE CODE APPROVALS

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

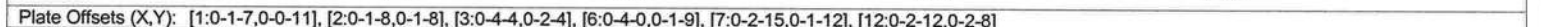
General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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



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LUMBER		BRACING	
TOP CHORD	2 X 4 SYP No.2	TOP CHORD	Sheathed or 2-7-12 oc purlins.
BOT CHORD	2 X 4 SYP No.2	BOT CHORD	Rigid ceiling directly applied or 4-9-2 oc bracing.
WEBS	2 X 4 SYP No.3		

This truss design is based upon the building code shown. This code has been specified by the project engineer/architect, or building designer. The applicability of this code in any particular jurisdiction should be confirmed with the building official prior to truss fabrication. This determination is not the responsibility of the component/truss designer.

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-98; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Bearing at joint(s) considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 460 lb uplift at joint 1 and 470 lb uplift at joint 7.

LOAD CASE(S) Standard


Scott W. Miller, FL Lic #58316
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO, 63017
FL Cert.#6634

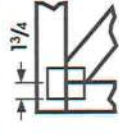
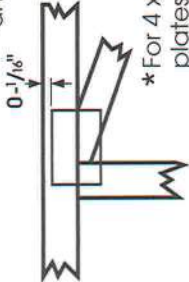
⚠ WARNING - Verify design parameters and READ NOTES ON THIS AND REVERSE SIDE BEFORE USE.
Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BC311 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

14515 N. Outer Forty,
Suite #300
Chesterfield, MO 63017

MiTek
MiTek®

Symbols

PLATE LOCATION AND ORIENTATION

-  * Center plate on joint unless x,y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and securely seat.
-  * For 4 x 2 orientation, locate plates 0 - 1/16" from outside edge of truss.
-  * This symbol indicates the required direction of slots in connector plates.

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

PLATE SIZE

4 x 4

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

LATERAL BRACING



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

BEARING

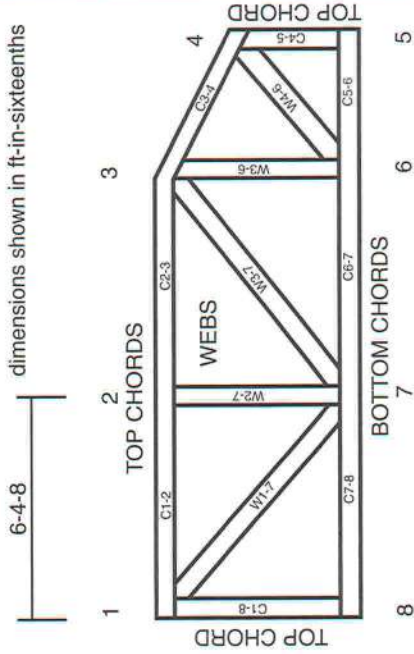


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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

Numbering System



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

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

CONNECTOR PLATE CODE APPROVALS

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



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES (LOT 24)	19261025
8596-1	H9	ROOF TRUSS	1	1	Job Reference (optional)	

Reese Building Components, INC., Sylvester Ga.
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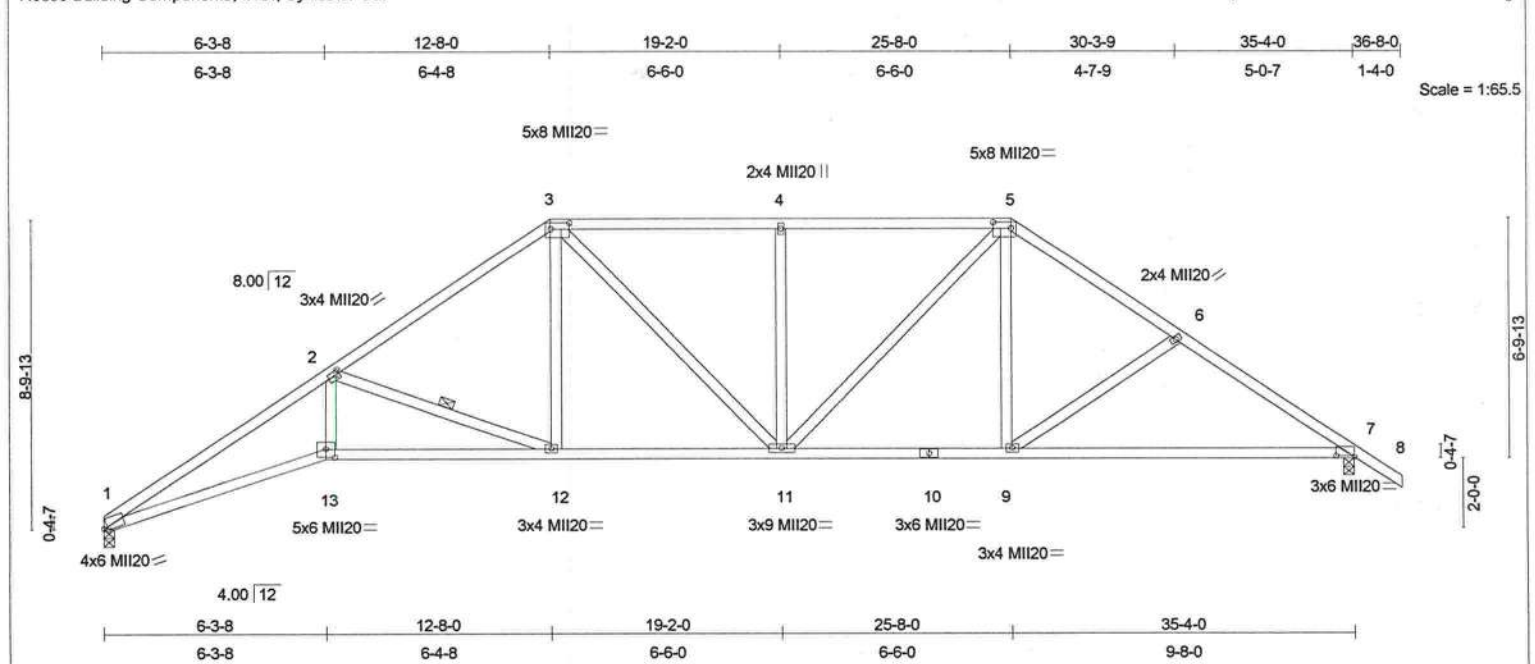


Plate Offsets (X,Y): [1:0-1-7,0-0-11], [2:0-1-4,0-1-8], [3:0-6-4,0-2-4], [5:0-6-4,0-2-4], [7:0-6-3,0-0-10], [13:0-3-0,0-2-12]							
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/defl	L/d
TCLL 20.0	Plates Increase	1.25	TC 0.63	Vert(LL)	0.24 12-13	>999	360
TCDL 10.0	Lumber Increase	1.25	BC 0.85	Vert(TL)	-0.39 12-13	>999	240
BCLL 0.0	Rep Stress Incr	YES	WB 0.64	Horz(TL)	0.24 7	n/a	n/a
BCDL 10.0	Code FBC2001/ANSI95		(Matrix)				
Weight: 190 lb							GRIP 249/190

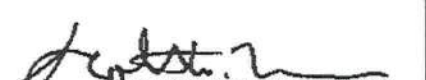
LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Sheathed or 2-8-3 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 5-0-9 oc bracing.
WEBS 2 X 4 SYP No.3	WEBS 1 Row at midpt 2-12

REACTIONS (lb/size) 1=1400/0-3-8, 7=1492/0-3-8	This truss design is based upon the building code shown. This code has been specified by the project engineer/architect, or building designer. The applicability of this code in any particular jurisdiction should be confirmed with the building official prior to truss fabrication. This determination is not the responsibility of the component/truss designer.
Max Horz 1=332(load case 3)	
Max Uplift1=-427(load case 4), 7=-482(load case 5)	

FORCES (lb) - Maximum Compression/Maximum Tension	
TOP CHORD 1-2=-4054/1411, 2-3=-2219/813, 3-4=-1902/764, 4-5=-1902/764, 5-6=-1912/588, 6-7=-2142/618, 7-8=0/44	
BOT CHORD 1-13=-1483/3444, 12-13=-1370/3169, 11-12=-758/1775, 10-11=-463/1534, 9-10=-463/1534, 7-9=-405/1716	
WEBS 2-13=-409/1218, 2-12=-1501/817, 3-12=-214/660, 3-11=-381/325, 4-11=-408/402, 5-11=-443/602, 5-9=-76/313, 6-9=-233/290	

- NOTES
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-98; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) 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.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 427 lb uplift at joint 1 and 482 lb uplift at joint 7.

LOAD CASE(S) Standard


Scott W. Miller, FL Lic #58316
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO, 63017
FL Cert.#6634
October 20,2005


WARNING - Verify design parameters and READ NOTES ON THIS AND REVERSE SIDE BEFORE USE.
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14515 N. Outer Forty,
Suite #300
Chesterfield, MO 63017

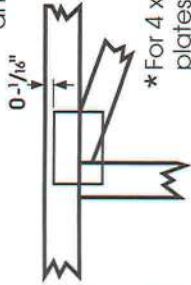


Symbols

PLATE LOCATION AND ORIENTATION

→ 1 3/4" 0 - 1/16"

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



* For 4 x 2 orientation, locate plates 0 - 1/16" from outside edge of truss.

==

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

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

PLATE SIZE

4 x 4

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

LATERAL BRACING



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

BEARING

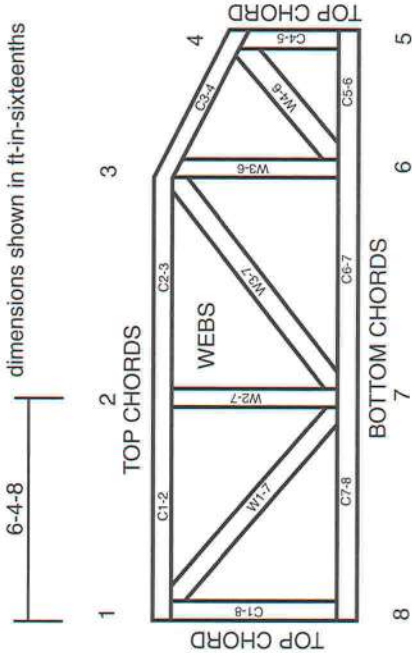


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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

Numbering System



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

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

CONNECTOR PLATE CODE APPROVALS

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

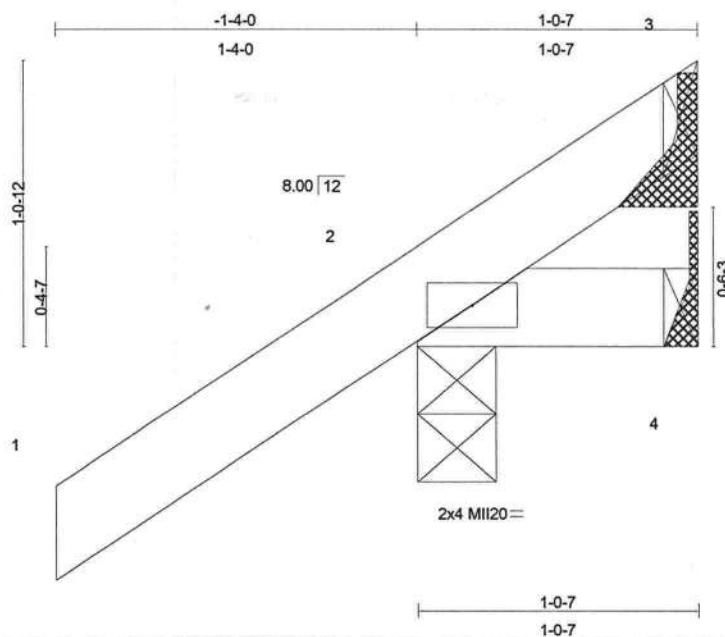


General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

Reese Building Components, INC., Sylvester Ga. 6.200 s Oct 18 2005 MiTek Industries, Inc. Thu Oct 20 12:00:48 2005 Page 1



LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc)	L/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.16	Vert(LL) 0.00 2 ****	360		MII20	249/190
TCDL 10.0	Lumber Increase 1.25	BC 0.00	Vert(TL) -0.00 2 >999	240			
BCLL 0.0	Rep Stress Incr YES	WB 0.00	Horz(TL) 0.00 3 n/a	n/a			
BCDL 10.0	Code FBC2001/ANSI95	(Matrix)					
						Weight: 6 lb	

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

BRACING	
TOP CHORD	Sheathed or 1-0-7 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=178/0-3-8, 4=10/Mechanical, 3=-28/Mechanical
Max Horz 2=106(load case 4)
Max Uplift2=-188(load case 4), 3=-28(load case 1)
Max Grav 2=178(load case 1), 4=10(load case 1), 3=56(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/43, 2-3=-51/32
BOT CHORD 2-4=0/0

NOTES

- 1) Wind: ASCE 7-98; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 188 lb uplift at joint 2 and 28 lb uplift at joint 3.

LOAD CASE(S) Standard


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MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO, 63017
FL Cert.#6634

October 20, 2005

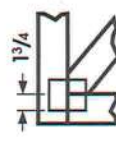
WARNING - Verify design parameters and READ NOTES ON THIS AND REVERSE SIDE BEFORE USE.
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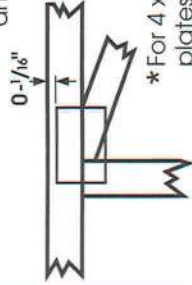
14515 N. Outer Forty,
Suite #300
Chesterfield, MO 63017



Symbols

PLATE LOCATION AND ORIENTATION

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



- * For 4 x 2 orientation, locate plates 0 - 1/16" from outside edge of truss.

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

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

PLATE SIZE

4 x 4

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

LATERAL BRACING



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

BEARING

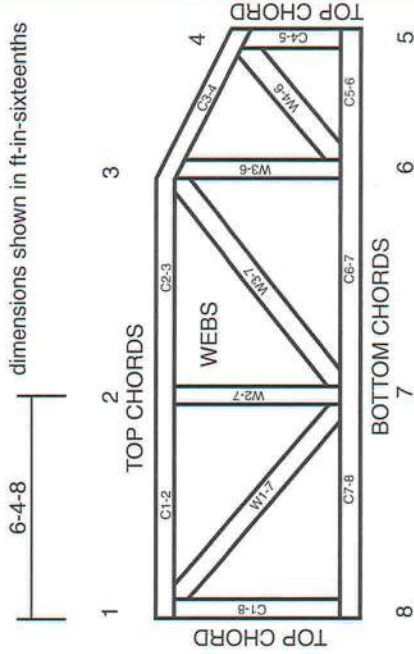


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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

Numbering System



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

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

CONNECTOR PLATE CODE APPROVALS

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



General Safety Notes

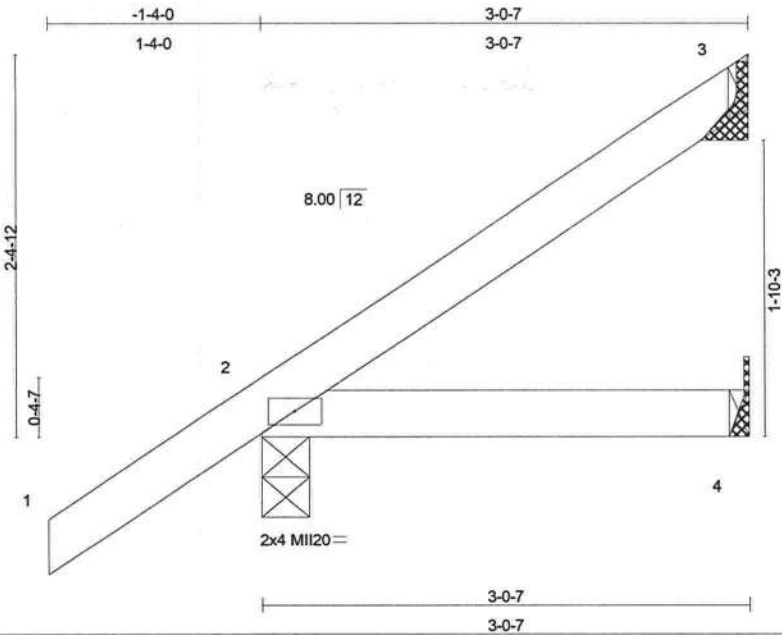
Failure to Follow Could Cause Property Damage or Personal Injury

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES (LOT 24)	19261027
8596-1	J3	ROOF TRUSS	8	1	Job Reference (optional)	

Reese Building Components, INC., Sylvester Ga.

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LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.18	Vert(LL)	0.00	2	****	360	M120	249/190
TCDL 10.0	Lumber Increase	1.25	BC 0.04	Vert(TL)	-0.00	2-4	>999	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2001/ANSI95		(Matrix)							
										Weight: 13 lb

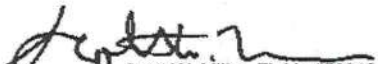
LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Sheathed or 3-0-7 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=58/Mechanical, 2=223/0-3-8, 4=28/Mechanical	This truss design is based upon the building code shown. This code has been specified by the project engineer/architect, or building designer. The applicability of this code in any particular jurisdiction should be confirmed with the building official prior to truss fabrication. This determination is not the responsibility of the component/truss designer.
Max Horz 2=176(load case 4)	
Max Uplift3=-66(load case 4), 2=-147(load case 4)	

FORCES (lb) - Maximum Compression/Maximum Tension	
TOP CHORD 1-2=0/44, 2-3=-62/25	
BOT CHORD 2-4=0/0	

- NOTES**
- 1) Wind: ASCE 7-98; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
 - 2) Refer to girder(s) for truss to truss connections.
 - 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 66 lb uplift at joint 3 and 147 lb uplift at joint 2.

LOAD CASE(S) Standard


Scott W. Miller, FL Lic #58316
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO, 63017
FL Cert.#6634

October 20,2005

WARNING - Verify design parameters and READ NOTES ON THIS AND REVERSE SIDE BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

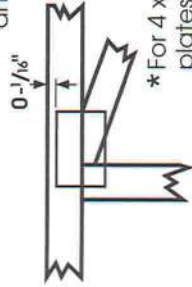
14515 N. Outer Forty,
Suite #300
Chesterfield, MO 63017



Symbols

PLATE LOCATION AND ORIENTATION

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



- * For 4 x 2 orientation, locate plates 0 - 1/16" from outside edge of truss.

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

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

PLATE SIZE

4 x 4

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

LATERAL BRACING



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

BEARING

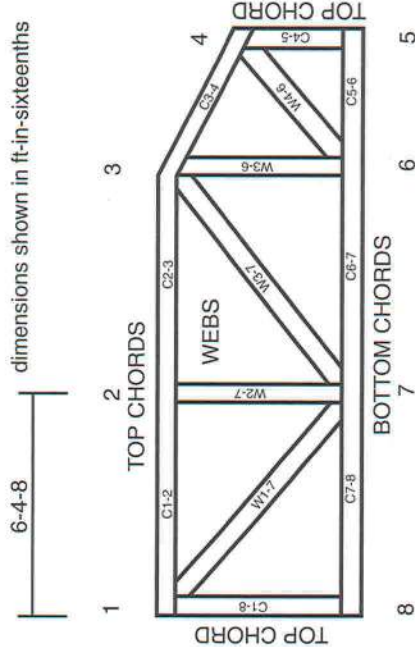


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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

Numbering System



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

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

CONNECTOR PLATE CODE APPROVALS

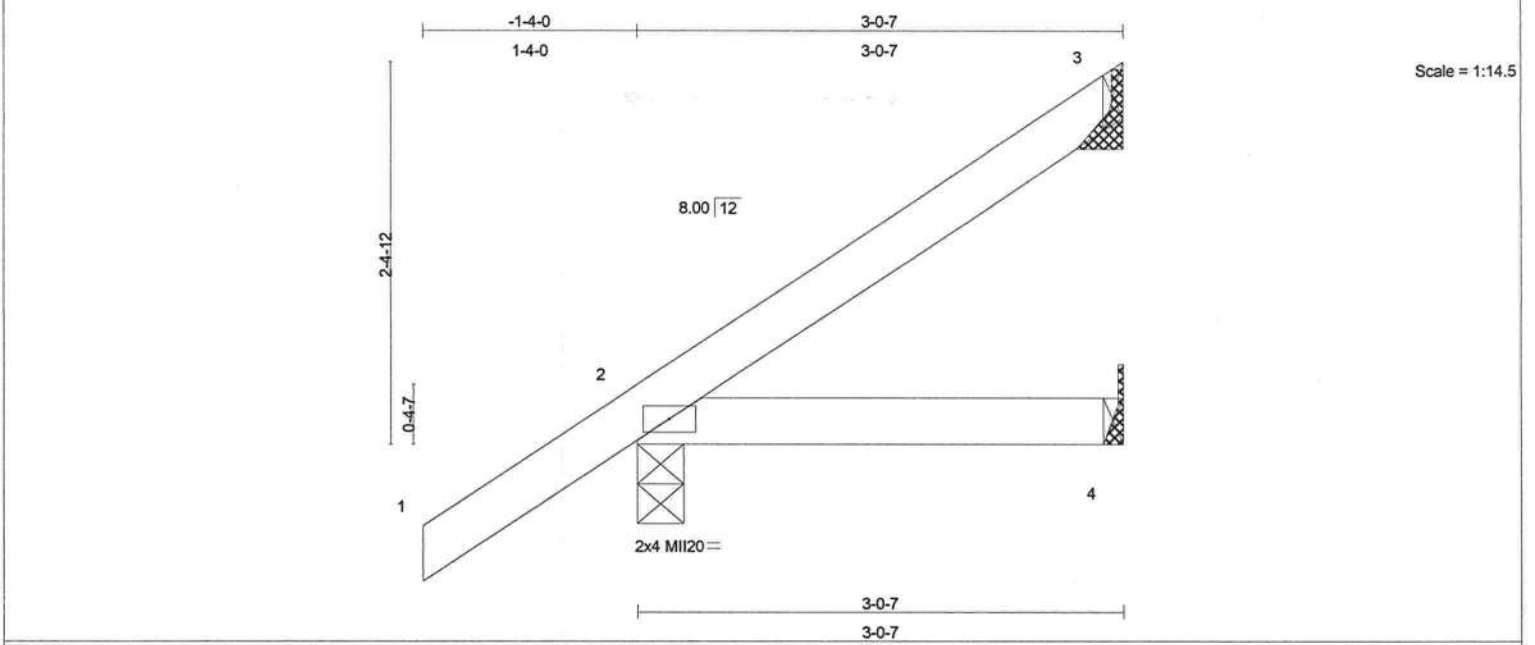
BOCA	96-31, 95-43, 96-20-1, 96-67, 84-32
ICBO	4922, 5243, 5363, 3907
SBCCI	9667, 9730, 9604B, 9511, 9432A



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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



LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.18	Vert(LL)	0.00	2	****	360	MII20	249/190
TCDL 10.0	Lumber Increase	1.25	BC 0.04	Vert(TL)	-0.00	2-4	>999	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2001/ANSI95		(Matrix)							
									Weight: 13 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2

BOT CHORD 2 X 4 SYP No.2

BRACING

TOP CHORD Sheathed or 3-0-7 oc purlins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=58/Mechanical, 2=223/0-3-8, 4=28/Mechanical

Max Horz 2=176(load case 4)

Max Uplift 3=-66(load case 4), 2=-147(load case 4)

This truss design is based upon the building code shown. This code has been specified by the project engineer/architect, or building designer. The applicability of this code in any particular jurisdiction should be confirmed with the building official prior to truss fabrication. This determination is not the responsibility of the component/truss designer.

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/44, 2-3=-62/25

BOT CHORD 2-4=0/0

NOTES

1) Wind: ASCE 7-98; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.

2) Refer to girder(s) for truss to truss connections.

3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 66 lb uplift at joint 3 and 147 lb uplift at joint 2.

LOAD CASE(S) Standard

Scott W. Miller, FL Lic #58316

MiTek Industries, Inc.

14515 North Outer Forty Drive

Suite 300

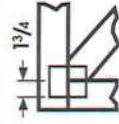
Chesterfield, MO, 63017

FL Cert.#6634

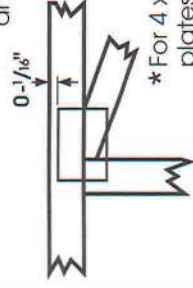
October 20,2005

Numbering System

PLATE LOCATION AND ORIENTATION



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



*For 4 x 2 orientation, locate plates 0 - 1/16" from outside edge of truss.



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

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

PLATE SIZE

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

 4×4

LATERAL BRACING



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

BEARING

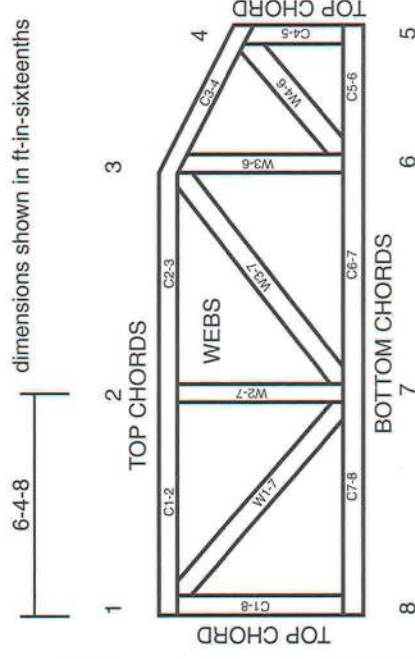


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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

Numbering System



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

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

CONNECTOR PLATE CODE APPROVALS

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



⚠️ General Safety Notes

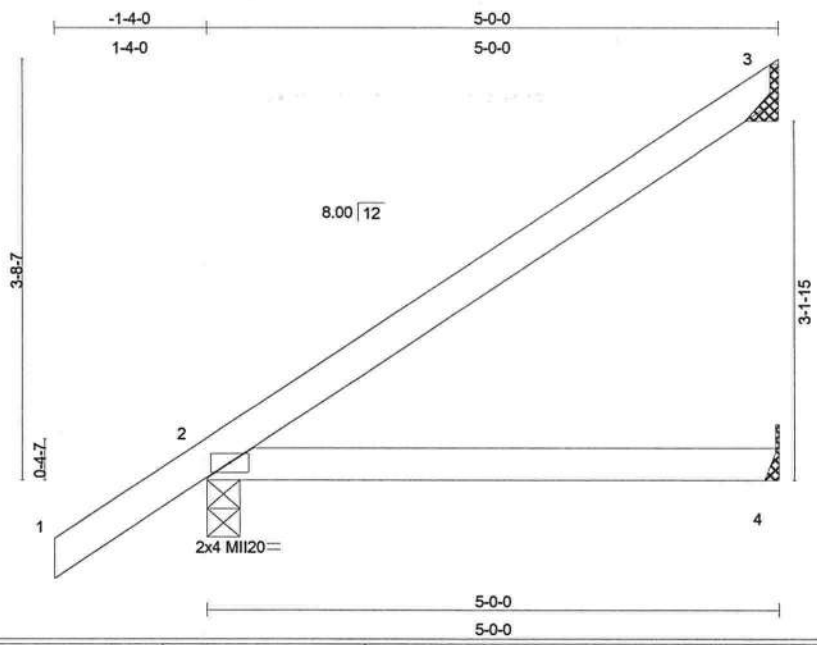
Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BC311.
2. Never exceed the design loading shown and never stock materials on inadequately braced trusses.
3. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
4. Cut members to bear tightly against each other.
5. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI1.
6. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI1.
7. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
8. Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
9. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
10. Plate type, size, orientation and location dimensions shown indicate minimum plating requirements.
11. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
12. Top chords must be sheathed or purlins provided at spacing shown on design.
13. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
14. Connections not shown are the responsibility of others.
15. Do not cut or alter truss member or plate without prior approval of a professional engineer.
16. Install and load vertically unless indicated otherwise.

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES (LOT 24)	19261029
8596-1	J4	ROOF TRUSS	4	1	Job Reference (optional)	

Reese Building Components, INC., Sylvester Ga.

6.200 s Oct 18 2005 MiTek Industries, Inc. Thu Oct 20 12:00:48 2005 Page 1



LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.27	Vert(LL)	0.00	2	****	360	M1120	249/190
TCDL 10.0	Lumber Increase	1.25	BC 0.10	Vert(TL)	-0.03	2-4	>999	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 10.0	Code	FBC2001/ANSI95	(Matrix)							
									Weight: 19 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Sheathed or 5-0-0 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=127/Mechanical, 2=292/0-3-8, 4=48/Mechanical
Max Horz 2=249(load case 4)
Max Uplift 3=-150(load case 4), 2=-143(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-113/57
BOT CHORD 2-4=0/0

This truss design is based upon the building code shown. This code has been specified by the project engineer/architect, or building designer. The applicability of this code in any particular jurisdiction should be confirmed with the building official prior to truss fabrication. This determination is not the responsibility of the component/truss designer.

- NOTES**
- 1) Wind: ASCE 7-98; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
 - 2) Refer to girder(s) for truss to truss connections.
 - 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 150 lb uplift at joint 3 and 143 lb uplift at joint 2.

LOAD CASE(S) Standard


Scott W. Miller, FL Lic #58316
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO, 63017
FL Cert.#6634

October 20,2005

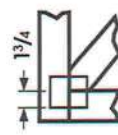
WARNING - Verify design parameters and READ NOTES ON THIS AND REVERSE SIDE BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

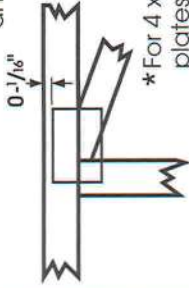
14515 N. Outer Forty,
Suite #300
Chesterfield, MO 63017



Symbols

PLATE LOCATION AND ORIENTATION

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



- * For 4 x 2 orientation, locate plates 0 - 1/16" from outside edge of truss.

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

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

PLATE SIZE

4 x 4
The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING

 Indicated by symbol shown and/or by text in the bracing section of the output. Use 1 or Eliminator bracing if indicated.

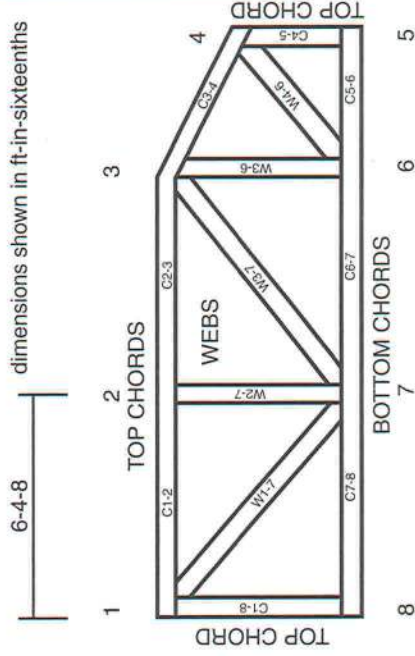
BEARING

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

Industry Standards:

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

Numbering System



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

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

CONNECTOR PLATE CODE APPROVALS

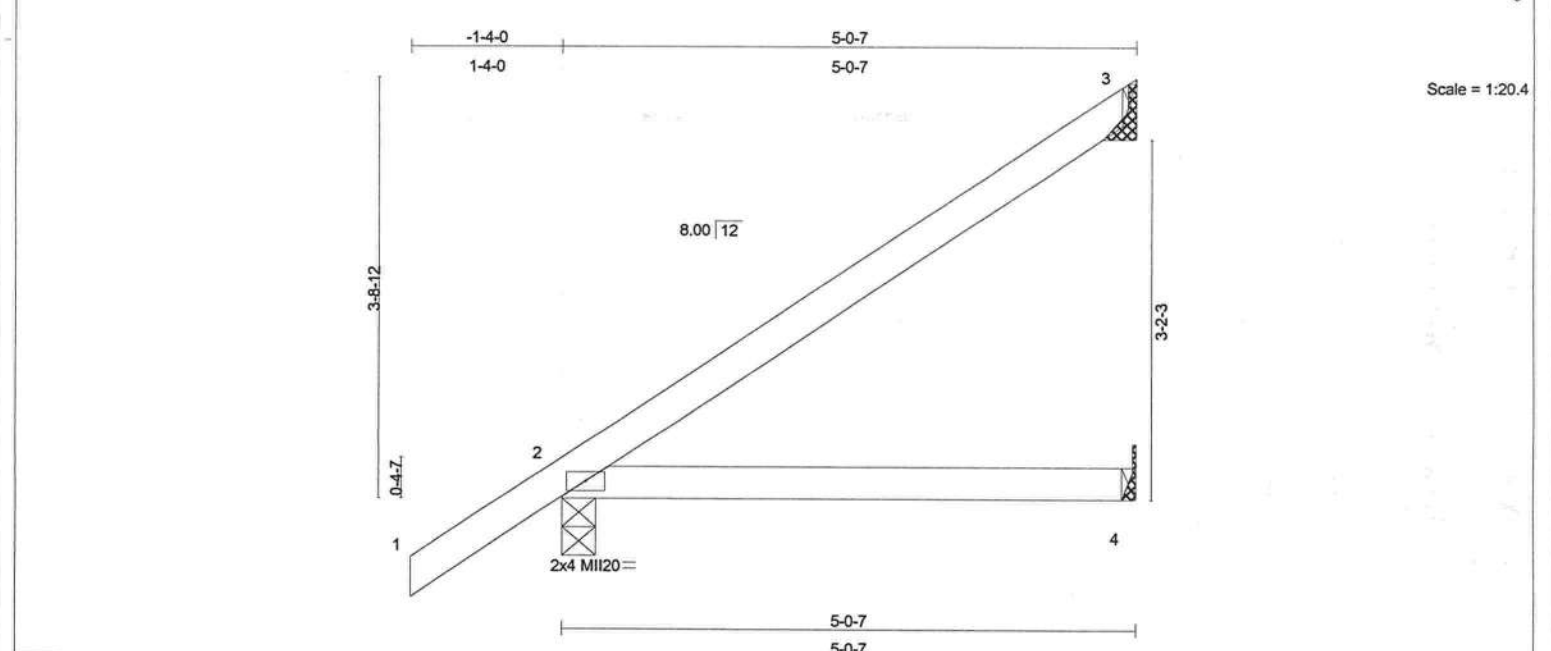
BOCA	96-31, 95-43, 96-20-1, 96-67, 84-32
ICBO	4922, 5243, 5363, 3907
SBCCI	9667, 9730, 9604B, 9511, 9432A



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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



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)	0.00	2	****	MII20	249/190
TCDL	10.0	Lumber Increase 1.25	BC	0.11	Vert(TL)	-0.03	2-4	>999		
BCLL	0.0	Rep Stress Incr YES	WB	0.00	Horz(TL)	-0.00	3	n/a		
BCDL	10.0	Code FBC2001/ANSI95	(Matrix)							
									Weight: 19 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2

BOT CHORD 2 X 4 SYP No.2

BRACING

TOP CHORD Sheathed or 5-0-7 oc purlins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size)

3=129/Mechanical, 2=293/0-3-8, 4=48/Mechanical

Max Horz 2=251(load case 4)

Max Uplift 3=-152(load case 4), 2=-143(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/44, 2-3=-114/57

BOT CHORD 2-4=0/0

NOTES

1) Wind: ASCE 7-98; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.

2) Refer to girder(s) for truss to truss connections.

3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 152 lb uplift at joint 3 and 143 lb uplift at joint 2.

This truss design is based upon the building code shown. This code has been specified by the project engineer/architect, or building designer. The applicability of this code in any particular jurisdiction should be confirmed with the building official prior to truss fabrication. This determination is not the responsibility of the component/truss designer.

LOAD CASE(S)

Standard

Scott W. Miller, FL Lic #58316

MiTek Industries, Inc.

14515 North Outer Forty Drive

Suite 300

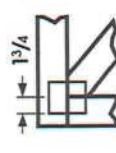
Chesterfield, MO, 63017

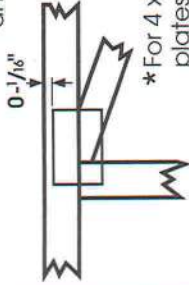
FL Cert.#6634

October 20,2005

Symbols

PLATE LOCATION AND ORIENTATION

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



- * For 4 x 2 orientation, locate plates 0 - 1/16" from outside edge of truss.

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

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

PLATE SIZE

4 x 4

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

LATERAL BRACING



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

BEARING

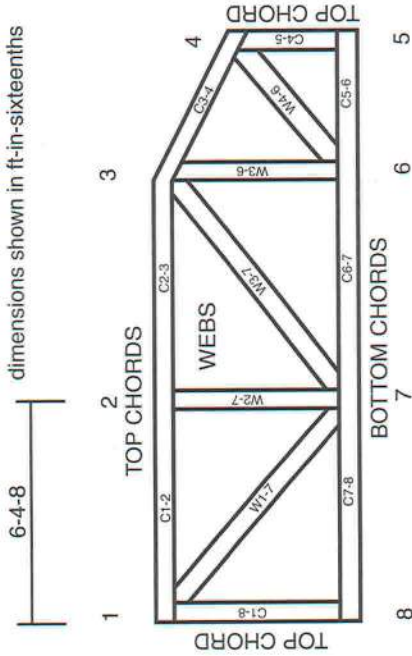


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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

Numbering System



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

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

CONNECTOR PLATE CODE APPROVALS

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



General Safety Notes

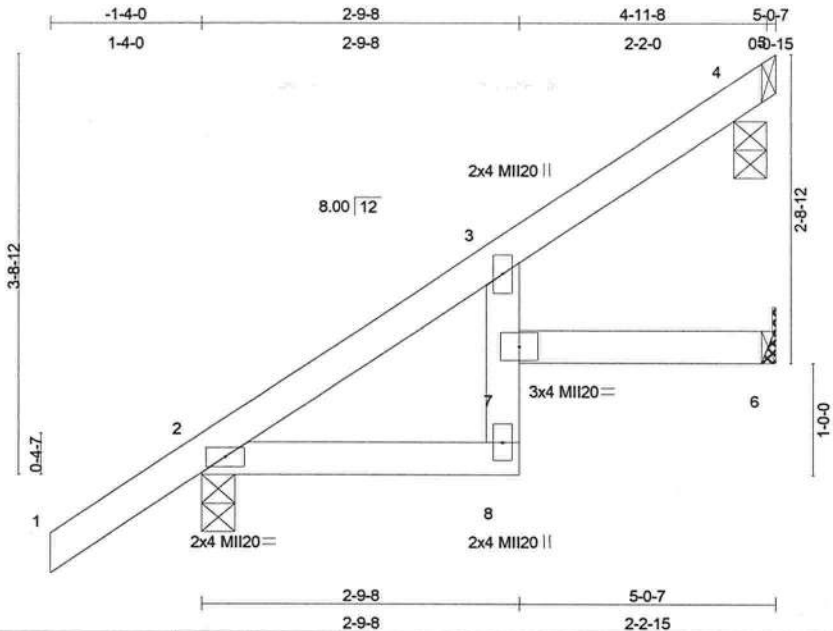
Failure to Follow Could Cause Property Damage or Personal Injury

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES (LOT 24)	19261031
8596-1	J5A	ROOF TRUSS	2	1	Job Reference (optional)	

Reese Building Components, INC., Sylvester Ga.

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LOADING (psf)	SPACING	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.18	Vert(LL)	0.03	6-7	>999	360	249/190
TCDL 10.0	Plates Increase 1.25	BC 0.29	Vert(TL)	-0.03	6-7	>999	240	
BCLL 0.0	Lumber Increase 1.25	WB 0.00	Horz(TL)	0.01	6	n/a	n/a	
BCDL 10.0	Rep Stress Incr YES	(Matrix)						
	Code FBC2001/ANSI95							
							Weight: 22 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Sheathed or 5-0-7 oc purlins.
BOT CHORD 2 X 4 SYP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
3-8 2 X 4 SYP No.3	

REACTIONS (lb/size) 2=292/0-3-8, 6=74/Mechanical, 4=104/0-3-8
 Max Horz 2=255(load case 4)
 Max Uplift2=-139(load case 4), 6=-29(load case 4), 4=-108(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/44, 2-3=-202/0, 3-4=-72/48, 4-5=-2/0
 BOT CHORD 2-8=-76/115, 7-8=0/33, 3-7=0/69, 6-7=0/0

- NOTES**
- 1) Wind: ASCE 7-98; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
 - 2) Refer to girder(s) for truss to truss connections.
 - 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 139 lb uplift at joint 2, 29 lb uplift at joint 6 and 108 lb uplift at joint 4.
 - 4) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 4.

LOAD CASE(S) Standard

Scott W. Miller
 Scott W. Miller, FL Lic #58316
 MiTek Industries, Inc.
 14515 North Outer Forty Drive
 Suite 300
 Chesterfield, MO, 63017
 FL Cert.#6634

October 20,2005

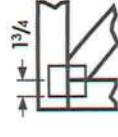
WARNING - Verify design parameters and READ NOTES ON THIS AND REVERSE SIDE BEFORE USE.
 Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

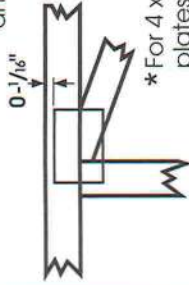
14515 N. Outer Forty,
 Suite #300
 Chesterfield, MO 63017



Symbols

PLATE LOCATION AND ORIENTATION

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



- * For 4 x 2 orientation, locate plates 0 - 1/16" from outside edge of truss.

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

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

PLATE SIZE

4 x 4

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

LATERAL BRACING



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

BEARING

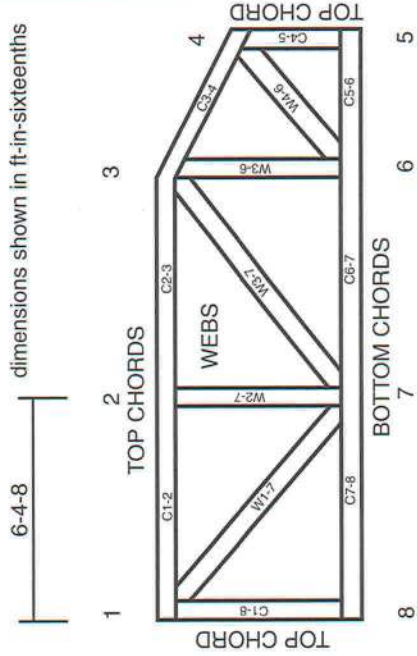


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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

Numbering System



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

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

CONNECTOR PLATE CODE APPROVALS

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



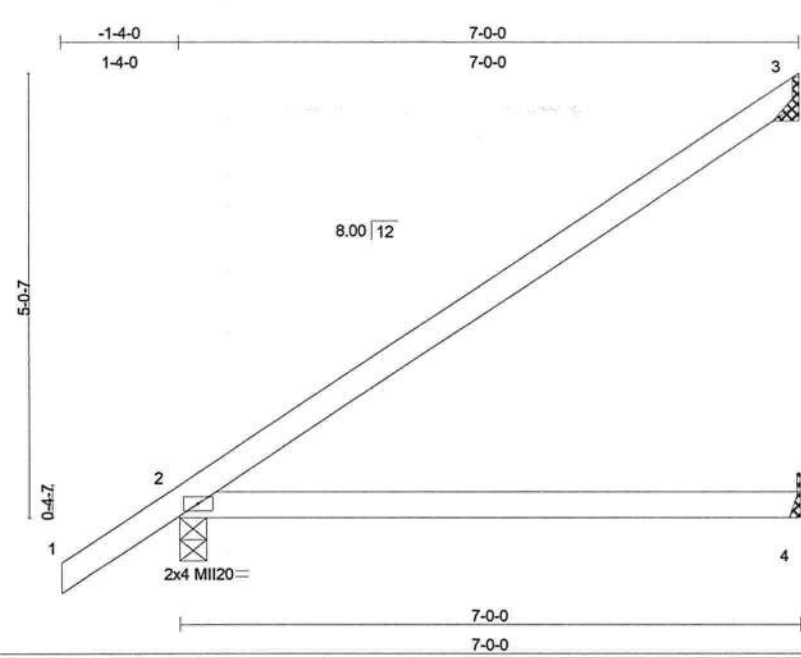
General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES (LOT 24)	19261032
'8596-1	J7	ROOF TRUSS	18	1	Job Reference (optional)	

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LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.63	Vert(LL) 0.00 2	****	360	MI120	249/190
TCDL 10.0	Lumber Increase 1.25	BC 0.21	Vert(TL) -0.11 2-4	>730	240		
BCLL 0.0	Rep Stress Incr YES	WB 0.00	Horz(TL) -0.00 3	n/a	n/a		
BCDL 10.0	Code FBC2001/ANSI95	(Matrix)					
						Weight: 26 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Sheathed or 6-0-0 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=191/Mechanical, 2=368/0-3-8, 4=68/Mechanical
Max Horz 2=324(load case 4)
Max Uplift 3=-228(load case 4), 2=-147(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension	This truss design is based upon the building code shown. This code has been specified by the project engineer/architect, or building designer. The applicability of this code in any particular jurisdiction should be confirmed with the building official prior to truss fabrication. This determination is not the responsibility of the component/truss designer.
TOP CHORD 1-2=0/44, 2-3=-167/86	
BOT CHORD 2-4=0/0	

- NOTES**
- 1) Wind: ASCE 7-98; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
 - 2) Refer to girder(s) for truss to truss connections.
 - 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 228 lb uplift at joint 3 and 147 lb uplift at joint 2.

LOAD CASE(S) Standard


Scott W. Miller, FL Lic #58316
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO, 63017
FL Cert.#6634
October 20,2005

WARNING - Verify design parameters and READ NOTES ON THIS AND REVERSE SIDE BEFORE USE.

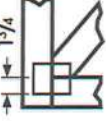
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

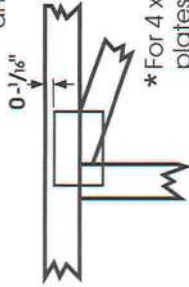
14515 N. Outer Forty,
Suite #300
Chesterfield, MO 63017



Symbols

PLATE LOCATION AND ORIENTATION

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



- * For 4 x 2 orientation, locate plates 0 - 1/16" from outside edge of truss.

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

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

PLATE SIZE

4 x 4

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

LATERAL BRACING



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

BEARING

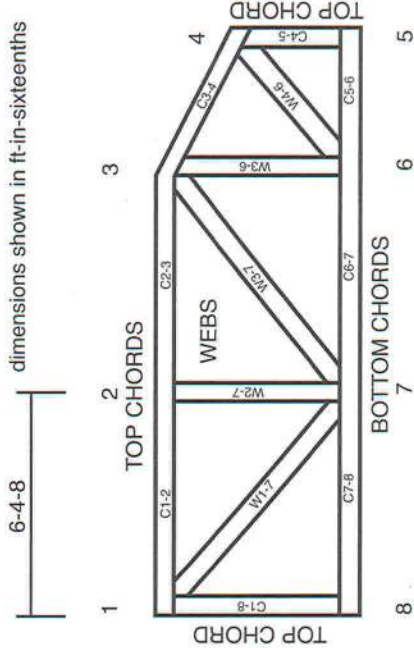


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

- ANSI/TP11: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCS11: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



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

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

CONNECTOR PLATE CODE APPROVALS

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



General Safety Notes

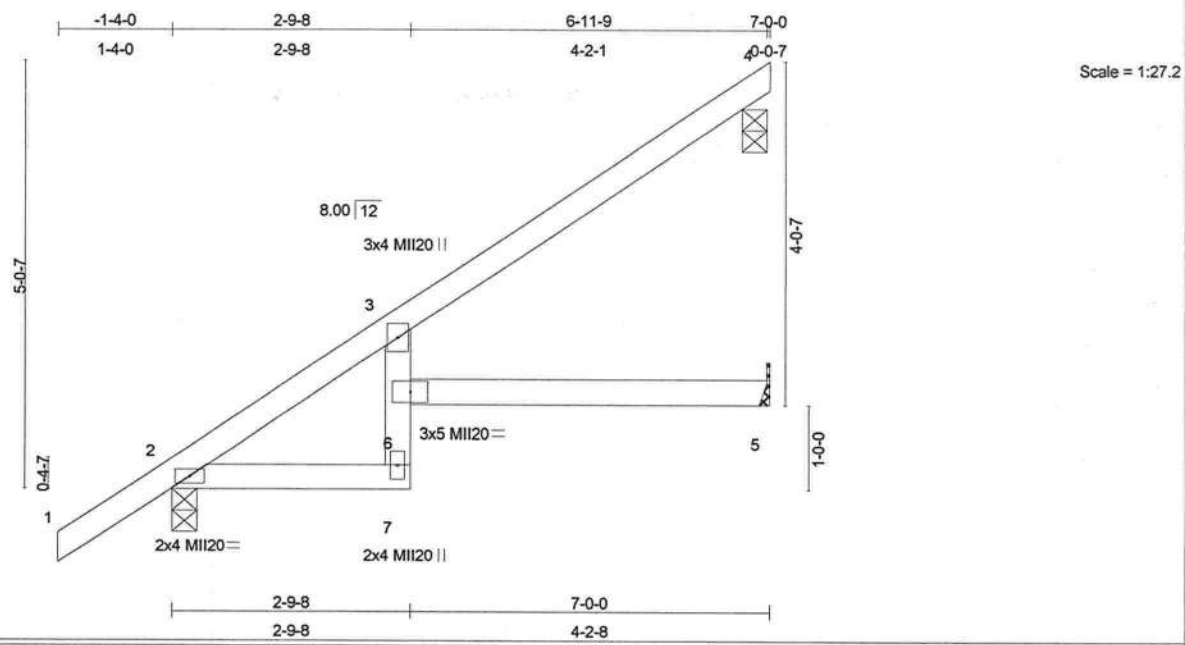
Failure to Follow Could Cause Property Damage or Personal Injury

- Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCS11.
- Never exceed the design loading shown and never stack materials on inadequately braced trusses.
- Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
- Cut members to bear tightly against each other.
- Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TP11.
- Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP11.
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
- Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
- Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
- Plate type, size, orientation and location dimensions shown indicate minimum plating requirements.
- Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
- Top chords must be sheathed or purlins provided at spacing shown on design.
- Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
- Connections not shown are the responsibility of others.
- Do not cut or alter truss member or plate without prior approval of a professional engineer.
- Install and load vertically unless indicated otherwise.

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES (LOT 24)	19261033
8596-1	J7A	ROOF TRUSS	5	1	Job Reference (optional)	

Reese Building Components, INC., Sylvester Ga.

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LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.37	Vert(LL)	0.17	5-6	>472	360	MI120	249/190
TCDL 10.0	Lumber Increase	1.25	BC 0.57	Vert(TL)	-0.18	5-6	>455	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	0.06	5	n/a	n/a		
BCDL 10.0	Code FBC2001/ANSI95		(Matrix)							
									Weight: 28 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
3-7 2 X 4 SYP No.3

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

REACTIONS (lb/size) 4=156/0-3-8, 2=368/0-3-8, 5=103/Mechanical
Max Horz 2=324(load case 4)
Max Uplift4=-159(load case 4), 2=-148(load case 4), 5=-34(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-340/0, 3-4=-109/72
BOT CHORD 2-7=-166/221, 6-7=0/45, 3-6=0/87, 5-6=0/0

This truss design is based upon the building code shown. This code has been specified by the project engineer/architect, or building designer. The applicability of this code in any particular jurisdiction should be confirmed with the building official prior to truss fabrication. This determination is not the responsibility of the component/truss designer.

- NOTES**
1) Wind: ASCE 7-98; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 159 lb uplift at joint 4, 148 lb uplift at joint 2 and 34 lb uplift at joint 5.
4) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 4.
- LOAD CASE(S)** Standard

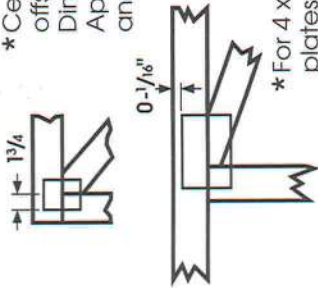
Scott W. Miller, FL Lic #58316
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO, 63017
FL Cert.#6634

October 20,2005

Symbols

PLATE LOCATION AND ORIENTATION

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



- * For 4 x 2 orientation, locate plates 0 - 1/16" from outside edge of truss.

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



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

PLATE SIZE

4 x 4

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

LATERAL BRACING



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

BEARING

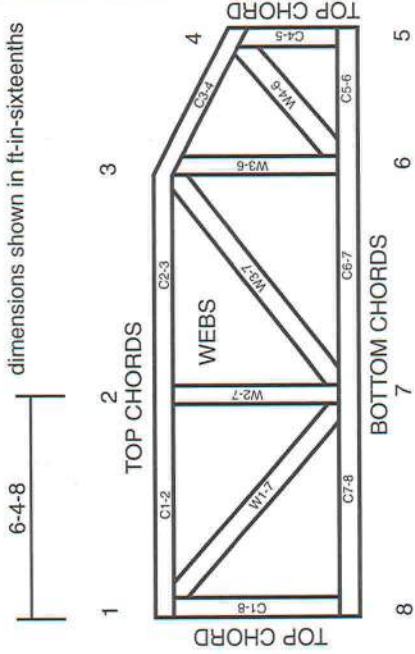


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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

Numbering System



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

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

CONNECTOR PLATE CODE APPROVALS

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

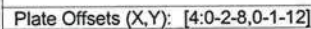


General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

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LOAD CASE(S) Standard

October 20, 2005

WARNING - Verify design parameters and READ NOTES ON THIS AND REVERSE SIDE BEFORE USING. Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89** and **BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

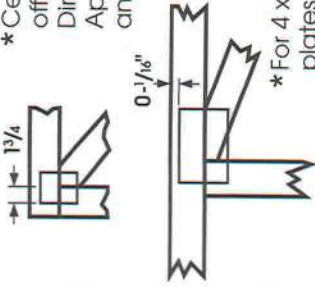
14515 N. Outer Forty,
Suite #300
Chesterfield, MO 63017



Symbols

PLATE LOCATION AND ORIENTATION

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



- * For 4 x 2 orientation, locate plates 0 - 1/16" from outside edge of truss.

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



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

PLATE SIZE

4 x 4

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

LATERAL BRACING



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

BEARING

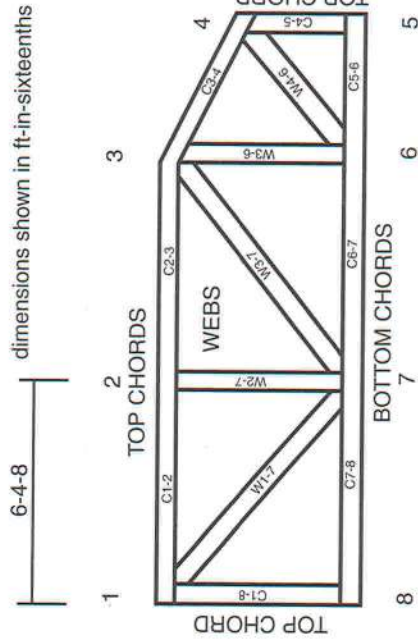


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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

Numbering System



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

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

CONNECTOR PLATE CODE APPROVALS

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



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES (LOT 24)	19261035
8596-1	T2	ROOF TRUSS	2	1	Job Reference (optional)	

Reese Building Components, INC., Sylvester Ga.
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Thu Oct 20 12:00:50 2005
Page 1

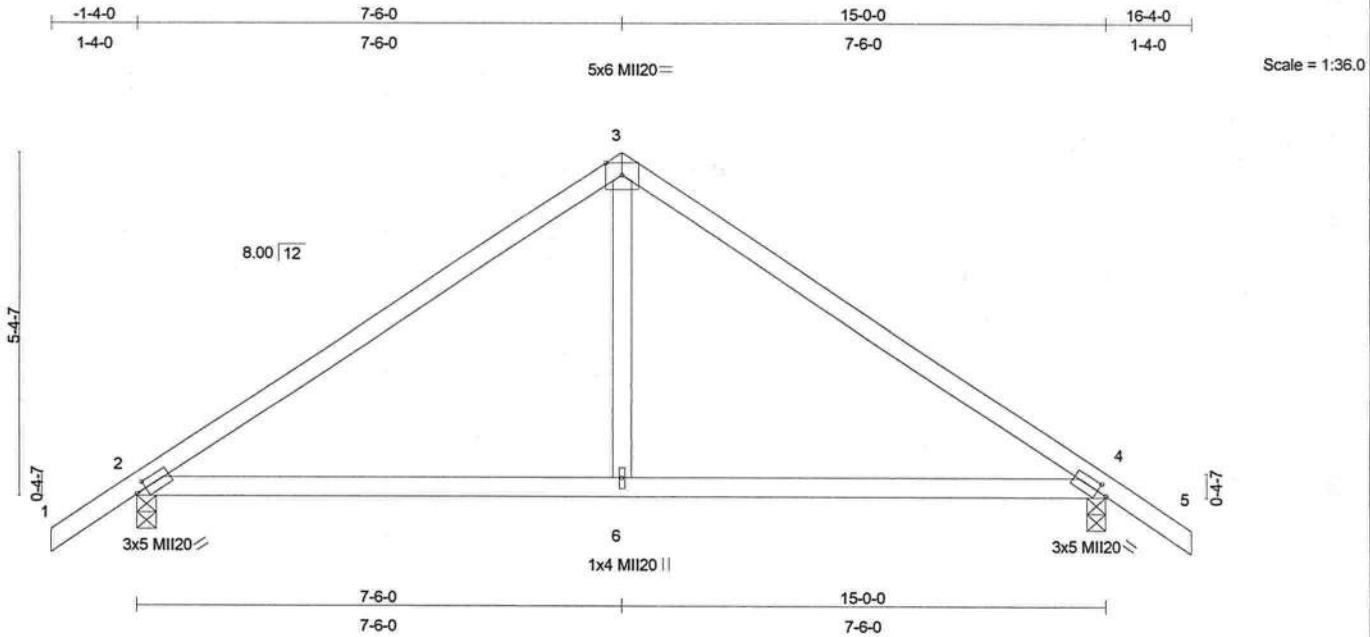


Plate Offsets (X,Y): [2:0-1-15,0-1-8], [4:0-1-15,0-1-8]															
LOADING (psf)		SPACING		2-0-0		CSI		DEFL		in (loc) l/defl L/d		PLATES		GRIP	
TCLL 20.0		Plates Increase		1.25		TC 0.51		Vert(LL)		0.10 2-6 >999 360		MI120		249/190	
TCDL 10.0		Lumber Increase		1.25		BC 0.39		Vert(TL)		-0.13 2-6 >999 240					
BCCL 0.0		Rep Stress Incr		YES		WB 0.07		Horz(TL)		0.01 4 n/a n/a					
BCDL 10.0		Code		FBC2001/ANSI95		(Matrix)									
											Weight: 61 lb				

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Sheathed or 6-0-0 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2 X 4 SYP No.3	

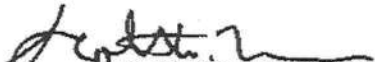
REACTIONS (lb/size) 2=677/0-3-8, 4=677/0-3-8
 Max Horz 2=-218(load case 2)
 Max Uplift 2=-305(load case 4), 4=-305(load case 5)

This truss design is based upon the building code shown. This code has been specified by the project engineer/architect, or building designer. The applicability of this code in any particular jurisdiction should be confirmed with the building official prior to truss fabrication. This determination is not the responsibility of the component/truss designer.

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/44, 2-3=-733/248, 3-4=-733/248, 4-5=0/44
 BOT CHORD 2-6=-98/514, 4-6=-98/514
 WEBS 3-6=0/211

- NOTES**
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-98; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 305 lb uplift at joint 2 and 305 lb uplift at joint 4.

LOAD CASE(S) Standard


 Scott W. Miller, FL Lic #58316
 MiTek Industries, Inc.
 14515 North Outer Forty Drive
 Suite 300
 Chesterfield, MO, 63017
 FL Cert.#6634

October 20,2005

WARNING - Verify design parameters and READ NOTES ON THIS AND REVERSE SIDE BEFORE USE.
 Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

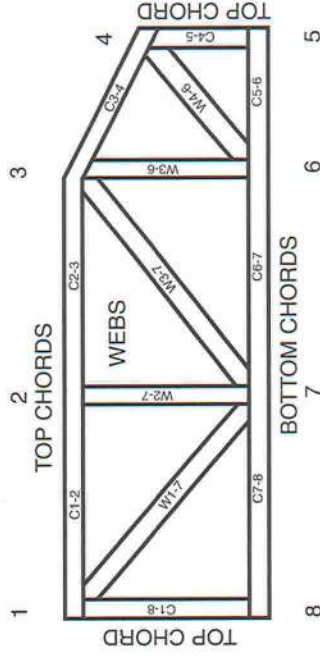
14515 N. Outer Forty,
 Suite #300
 Chesterfield, MO 63017



⚠️ General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

6-4-8 | dimensions shown in ft-in-sixteenths



6. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI1.

7. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.

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

responsibility of truss fabricator. General practice is to camber for dead load deflection.

is to camber for dead load deflection.

CONNECTOR PLATE CODE APPROVALS

respects, equal to or better than that specified.



177BC
9007, 9130, 9004B, 9311, 9432A
W7C76, 11C6, 9004B, 9311, 9432A

14. Connections not shown are the responsibility of others.
15. Do not cut or alter truss member or plate without prior approval of a professional engineer.

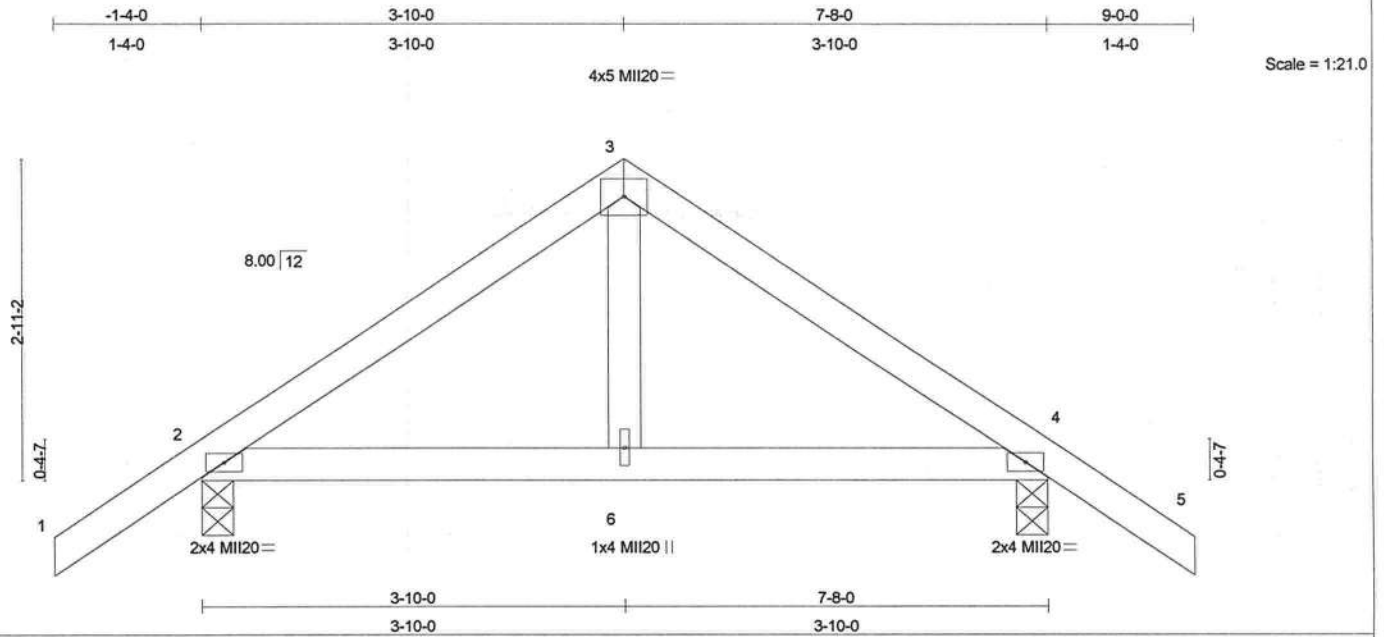


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Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES (LOT 24)	19261036
8596-1	T3	ROOF TRUSS	2	1	Job Reference (optional)	

Reese Building Components, INC., Sylvester Ga.

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LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.18	in (loc) l/defl L/d	MII20	249/190
TCDL 10.0	Plates Increase 1.25	BC 0.09	Vert(LL) -0.00 6 >999 360		
BCLL 0.0	Lumber Increase 1.25	WB 0.03	Vert(TL) -0.01 2-6 >999 240		
BCDL 10.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.00 4 n/a n/a		
	Code FBC2001/ANSI95				
					Weight: 34 lb

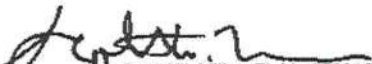
LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Sheathed or 6-0-0 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2 X 4 SYP No.3	

REACTIONS (lb/size) 2=384/0-3-8, 4=384/0-3-8	This truss design is based upon the building code shown. This code has been specified by the project engineer/architect, or building designer. The applicability of this code in any particular jurisdiction should be confirmed with the building official prior to truss fabrication. This determination is not the responsibility of the component/truss designer.
Max Horz 2=-115(load case 2)	
Max Uplift 2=-211(load case 4), 4=-211(load case 5)	

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-312/70, 3-4=-312/70, 4-5=0/44
BOT CHORD 2-6=0/195, 4-6=0/195
WEBS 3-6=0/90

- NOTES**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-98; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
 - 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 211 lb uplift at joint 2 and 211 lb uplift at joint 4.

LOAD CASE(S) Standard


Scott W. Miller, FL Lic #58316
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO, 63017
FL Cert.#6634

October 20,2005

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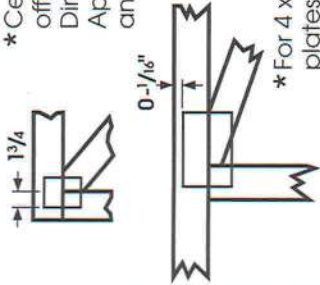
14515 N. Outer Forty,
Suite #300
Chesterfield, MO 63017



Symbols

PLATE LOCATION AND ORIENTATION

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



- * For 4 x 2 orientation, locate plates 0 - 1/16" from outside edge of truss.

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

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

PLATE SIZE

4 x 4

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

LATERAL BRACING



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

BEARING

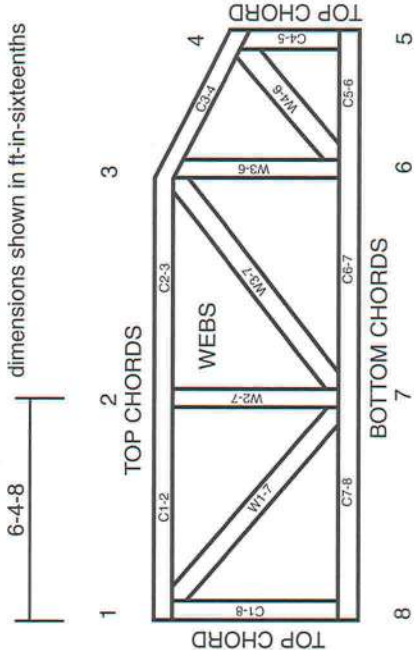


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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

Numbering System



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

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

CONNECTOR PLATE CODE APPROVALS

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



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES (LOT 24)	19261037
8596-1	T4	ROOF TRUSS	1	1	Job Reference (optional)	

Reese Building Components, INC., Sylvester Ga.
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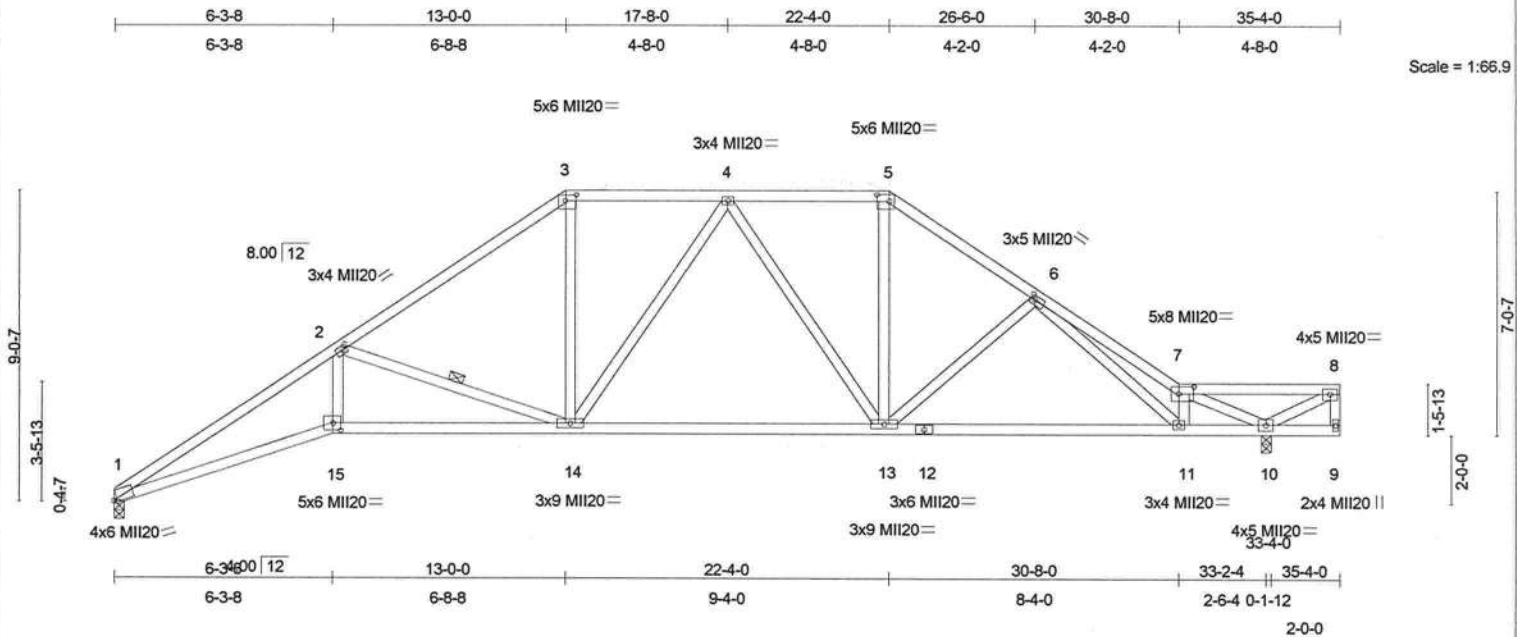


Plate Offsets (X,Y): [1:0-1-2,Edge], [2:0-1-8,0-1-8], [3:0-3-12,0-2-0], [5:0-4-4,0-2-4], [6:0-1-8,0-1-8], [7:0-5-4,0-2-8], [15:0-2-12,0-2-8]																			
LOADING (psf)		SPACING		2-0-0		CSI		DEFL		in (loc)		l/defl		L/d		PLATES		GRIP	
TCLL	20.0	Plates Increase		1.25		TC	0.57	Vert(LL)	0.22	14-15	>999		360		MI120		249/190		
TCDL	10.0	Lumber Increase		1.25		BC	0.80	Vert(TL)	-0.38	13-14	>999		240						
BCLL	0.0	Rep Stress Incr		YES		WB	0.57	Horz(TL)	0.23	10	n/a		n/a						
BCDL	10.0	Code		FBC2001/ANSI95		(Matrix)										Weight: 194 lb			

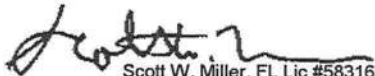
LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Sheathed or 2-10-2 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 5-3-3 oc bracing.
WEBS 2 X 4 SYP No.3	WEBS 1 Row at midpt 2-14

REACTIONS (lb/size)	1=1317/0-3-8, 10=1487/0-3-8	This truss design is based upon the building code shown. This code has been specified by the project engineer/architect, or building designer. The applicability of this code in any particular jurisdiction should be confirmed with the building official prior to truss fabrication. This determination is not the responsibility of the component/truss designer.
Max Horz	1=387(load case 3)	
Max Uplift	1=-413(load case 4), 10=-527(load case 5)	

FORCES (lb) - Maximum Compression/Maximum Tension	
TOP CHORD	1-2=-3787/1311, 2-3=-1993/620, 3-4=-1580/618, 4-5=-1462/489, 5-6=-1810/509, 6-7=-3121/908, 7-8=-188/152, 8-9=-18/24
BOT CHORD	1-15=-1350/3216, 14-15=-1247/2957, 13-14=-616/1601, 12-13=-385/1756, 11-12=-385/1756, 10-11=-600/2483, 9-10=-112/123
WEBS	2-15=-369/1145, 2-14=-1475/848, 3-14=-103/682, 4-14=-190/338, 4-13=-346/351, 5-13=-167/694, 6-13=-420/331, 6-11=-347/1098, 7-11=-682/341, 7-10=-2904/814, 8-10=-317/311

- NOTES
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-98; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
 - Provide adequate drainage to prevent water ponding.
 - 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 413 lb uplift at joint 1 and 527 lb uplift at joint 10.

LOAD CASE(S) Standard



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MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO, 63017
FL Cert.#6634
October 20,2005

WARNING - Verify design parameters and READ NOTES ON THIS AND REVERSE SIDE BEFORE USE.

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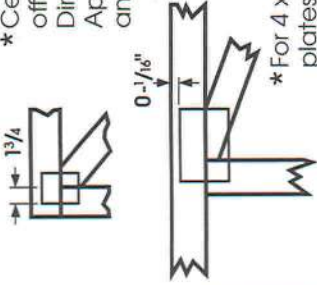
14515 N. Outer Forty,
Suite #300
Chesterfield, MO 63017



Symbols

PLATE LOCATION AND ORIENTATION

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



- * For 4 x 2 orientation, locate plates 0 - 1/16" from outside edge of truss.

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

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

PLATE SIZE

4 x 4

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

LATERAL BRACING



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

BEARING

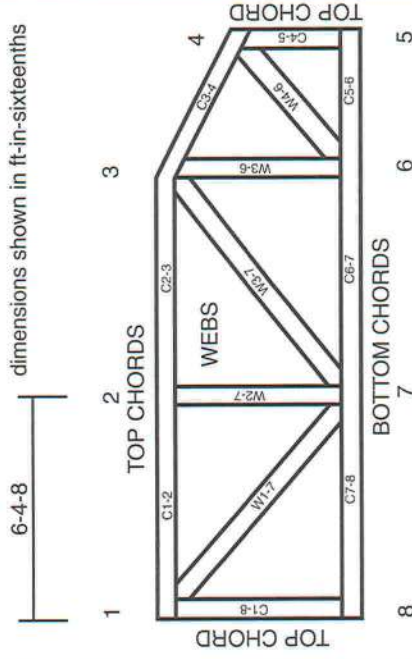


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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

Numbering System



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

CONNECTOR PLATE CODE APPROVALS

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



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES (LOT 24)	19261038
8596-1	T5	ROOF TRUSS	1	1	Job Reference (optional)	

Reese Building Components, INC., Sylvester Ga.
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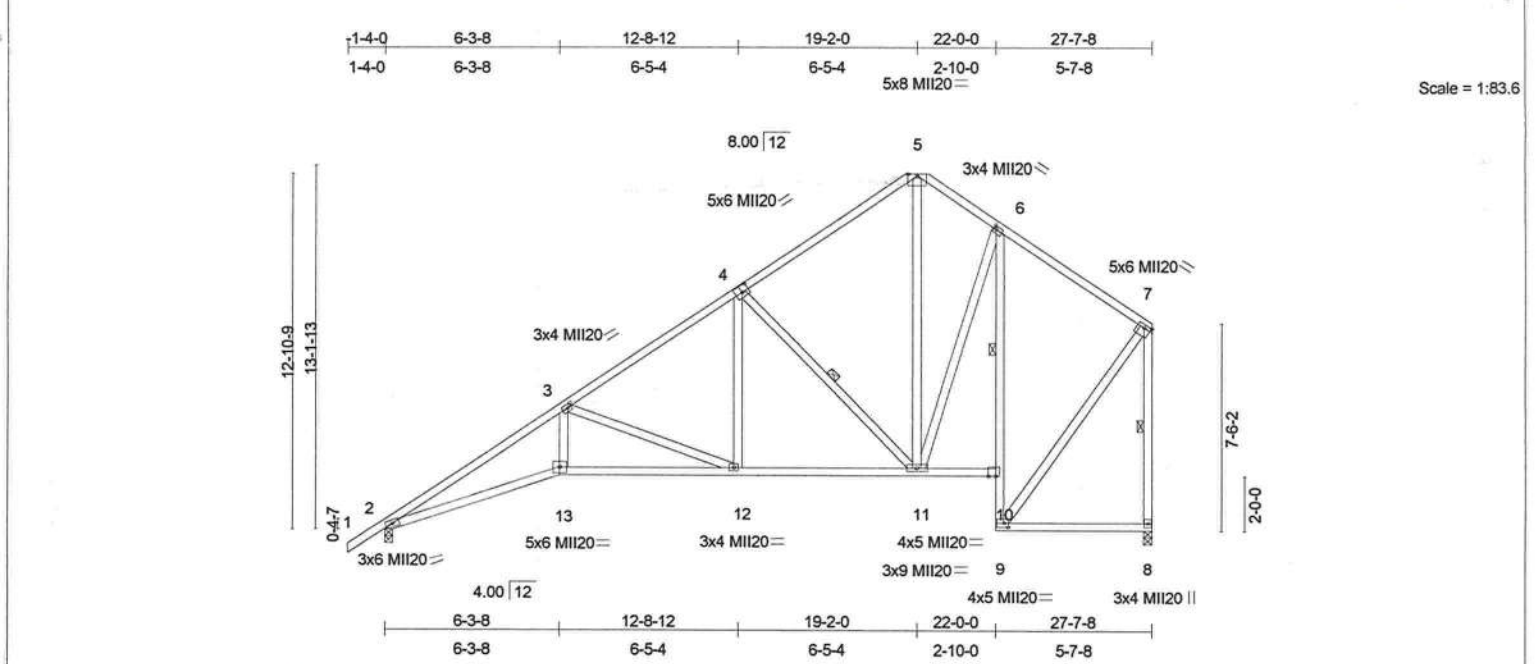


Plate Offsets (X,Y): [3:0-1-12,0-1-8], [4:0-3-0,0-3-0], [6:0-1-4,0-1-8], [7:0-3-0,0-1-8], [9:0-1-12,0-2-0], [10:0-3-4,Edge]						
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/defl
TCLL 20.0	Plates Increase	1.25	TC 0.51	Vert(LL)	0.19 12-13	>999
TCDL 10.0	Lumber Increase	1.25	BC 0.94	Vert(TL)	-0.31 12-13	>999
BCLL 0.0	Rep Stress Incr	YES	WB 0.98	Horz(TL)	0.43 8	n/a
BCDL 10.0	Code	FBC2001/ANSI95	(Matrix)			
					PLATES	GRIP
					MI120	249/190
					Weight: 197 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Sheathed or 3-3-14 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 5-5-7 oc bracing. Except:
6-9 2 X 4 SYP No.2D	1 Row at midpt 6-10
WEBS 2 X 4 SYP No.3	WEBS 1 Row at midpt 4-11, 7-8

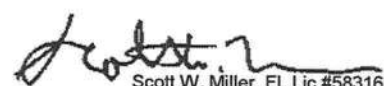
REACTIONS (lb/size) 2=1184/0-3-8, 8=1091/0-3-8
Max Horz 2=724(load case 3)
Max Uplift 2=-489(load case 4), 8=-392(load case 4)

This truss design is based upon the building code shown. This code has been specified by the project engineer/architect, or building designer. The applicability of this code in any particular jurisdiction should be confirmed with the building official prior to truss fabrication. This determination is not the responsibility of the component/truss designer.

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/42, 2-3=-3015/1209, 3-4=-1509/592, 4-5=-841/412, 5-6=-768/468, 6-7=-655/377, 7-8=-1105/440
BOT CHORD 2-13=-1262/2544, 12-13=-1165/2333, 11-12=-581/1165, 10-11=-228/492, 9-10=-506/182, 6-10=-658/271, 8-9=-90/115
WEBS 3-13=-340/935, 3-12=-1241/769, 4-12=-202/553, 4-11=-803/565, 5-11=-276/521, 6-11=-315/426, 7-9=-211/776

- NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 489 lb uplift at joint 2 and 392 lb uplift at joint 8.

LOAD CASE(S) Standard


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14515 North Outer Forty Drive
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Chesterfield, MO, 63017
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October 20,2005

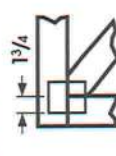

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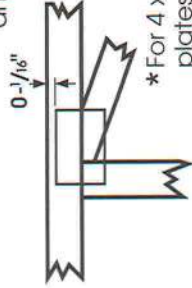
14515 N. Outer Forty,
Suite #300
Chesterfield, MO 63017



Symbols

PLATE LOCATION AND ORIENTATION

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



- * For 4 x 2 orientation, locate plates 0 - 1/16" from outside edge of truss.

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

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

PLATE SIZE

4 x 4

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

LATERAL BRACING



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

BEARING

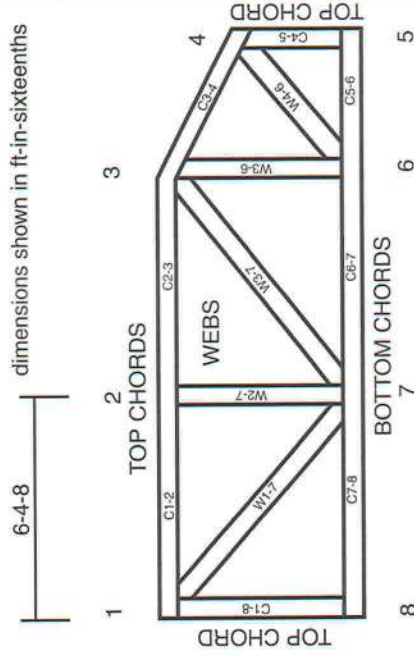


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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

Numbering System



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

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

CONNECTOR PLATE CODE APPROVALS

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



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

AH: Wiggins

**Columbia County Building Department
Culvert Waiver**

**Culvert Waiver No.
000000906**

DATE: 04/03/2006 BUILDING PERMIT NO. 23921

APPLICANT MELANIE RODER PHONE 386.752.2281

ADDRESS 387 SW KEMP CT LAKE CITY FL 32025

OWNER AARON SIMQUE HOMES PHONE 386.755.0841

ADDRESS 169 SE CAROB GLEN LAKE CITY FL 32025

CONTRACTOR AARON SIMQUE PHONE 386.755.0841

LOCATION OF PROPERTY 90-E TO SR 100, TR TO C-245, TR TO PLANT ST, TL TO GOLDIE WAY, TL TO
CAROB GLEN, TR AND IT'S THE 3RD LOT ON R.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT SUZANNE 24 1

PARCEL ID # 03-4S-17-07570-024

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

SIGNATURE: *[Signature]*

A SEPARATE CHECK IS REQUIRED
MAKE CHECKS PAYABLE TO BCC

Amount Paid 50.00

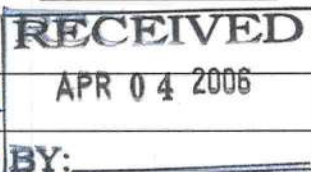
PUBLIC WORKS DEPARTMENT USE ONLY

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

 APPROVED *[Signature]*

NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS: *Needs*



Culvert so Ditches
water flow

SIGNED: *[Signature]*

DATE: 04-05-06

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

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



From: The Columbia County Building Department
Plans Review
135 NE Hernando Av.
P. O Box 1529
Lake City Florida, 32056-1529

0511-13

Reference to: Build permit application Number:

**Simque Homes Owner Simque Homes 169 SE Carob Glen Lot 24
Suzanne Subdivision Unit 1**

On the date of November 8, 2005 application 0511-13 and plans for construction of a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0511-13 when making reference to this application.

1. Application 0511-13 which was filed with the building department on the date of November 2, 2005 will be reviewed under the Florida Building Code 2004. The Wind Load design by Mr. Mark Disosway was design under the Florida Building Code 2001. The wind Load design should reflect the code sections of the Florida Building Code 2004 that relate to wind Load design code requirements.
2. Please submit a letter from your well contractor providing information for the potable water well to include the following equipment, size of pump motor, size of pressure tank and cycle stop valve if used.
3. Show compliance with the FRC-2004 section R309: Garages and Carports: R309.1: Opening protection. Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and

Room 100, 1000 Building, Department
 Please call
 1000 Building, 1000
 1000 Building, 1000
 1000 Building, 1000

0511-13

Please call 1000 Building, 1000
 1000 Building, 1000

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Please call 1000 Building, 1000
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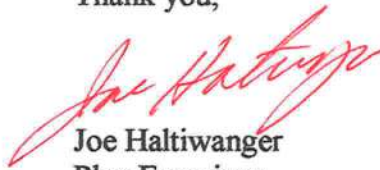
Please call 1000 Building, 1000
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Please call 1000 Building, 1000
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residence shall be equipped with solid wood doors not less than 13/8 inches (35 mm) in thickness, solid or honeycomb core steel doors not less than 13/8 inches (35 mm) thick, or 20-minute fire-rated doors. R309.1.1 Duct penetration: Ducts in the garage and ducts penetrating the walls or ceilings separating the dwelling from the garage shall be constructed of a minimum No. 26 gage (0.48 mm) sheet steel or other approved material and shall have no openings into the garage. R309.2 Separation required: The garage shall be separated from the residence and its attic area by not less than 1/2-inch (12.7 mm) gypsum board applied to the garage side. Garages beneath habitable rooms shall be separated from all habitable rooms above by not less than 5/8-inch (15.9 mm) Type X gypsum board or equivalent. Where the separation is a floor-ceiling assembly, the structure supporting the separation shall also be protected by not less than 1/2-inch (12.7 mm) gypsum board or equivalent.

Thank you,



Joe Haltiwanger
Plan Examiner
Columbia County Building Department

resistance shall be equipped with solid wood doors not less than 1 3/8 inches (35 mm) in thickness and in heavy construction not less than 1 3/8 inches (35 mm) thick, or of equivalent material. Doors in the garage shall be of solid material and shall have no openings into the garage. K-902 separation required. The garage shall be separated from the residence and its attached rooms by not less than 1 3/8 inches (35 mm) of solid material. Garage doors beneath habitable rooms shall be separated from all habitable rooms by not less than 5/8-inch (16 mm) Type X gypsum board or equivalent. Where the separation is a floor-ceiling assembly, the structure supporting the separation shall then be protected by not less than 1/2-inch (13 mm) gypsum board or equivalent.

I thank you,
 Joe H. H. H.
 Planning Commission
 Columbia County Building Department

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000000906

DATE 12/02/2005 PARCEL ID # 03-4S-17-07570-024
APPLICANT MELANIE RODER PHONE 386.752.2281
ADDRESS 387 SW KEMP CT LAKE CITY FL 32025
OWNER AARON SIMQUE HOMES PHONE 386.755.0841
ADDRESS 169 SE CAROB GLEN LAKE CITY FL 32025
CONTRACTOR AARON SIMQUE PHONE 386.755.0841
LOCATION OF PROPERTY 90-E TO SR 100,TR TO C-245,TR TO PLANT ST,TL TO GOLDIE WAY,TL TO
CAROB GLEN,TR AND IT'S THE 3RD LOT ON R.
SUBDIVISION/LOT/BLOCK/PHASE/UNIT SUZANNE 24 1
SIGNATURE ✓ Melanie Roder

INSTALLATION REQUIREMENTS



Culvert size will be 18 inches in diameter with a total length 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



For Office Use Only Application # 0511-13 Date Received 10/2 By JW Permit # 906/23921
Application Approved by - Zoning Official BLK Date 08.11.05 Plans Examiner OK JTH Date 12-02-05
Flood Zone X SW 100 Development Permit N/A Zoning RSF-2 Land Use Plan Map Category RES. Low Den.
Comments Per ~~BLK~~ SEC SITE PLAN wrong
5/333

Applicants Name Melanie Roder Phone 752-2281
Address 387 SW Kemp Ct Lake City, FL 32024
Owners Name Aaron Simque Homes, inc Phone 755-0841
911 Address 169 SE Carob gln Lake City, FL 32025
Contractors Name Aaron Simque Homes Phone 755-0841
Address P.O. Box 2183 Lake City, FL 32056
Fee Simple Owner Name & Address NA
Bonding Co. Name & Address NA
Architect/Engineer Name & Address Will Myers / Mark Disosway 32055
Mortgage Lenders Name & Address Columbia County Bank 173 NW Hillshors Ave Lake City, FL
Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
Property ID Number 03-48-17-01570-024 Estimated Cost of Construction 70,000
Subdivision Name Suzanne Subdivision Lot 24 Block Unit I Phase
Driving Directions 90 E, TR on 100, TR on CR 245, TR on Plant St
TL on Goldie Way, TR on Carob gln. 3rd lot on R.

Type of Construction SFD Number of Existing Dwellings on Property 0
Total Acreage .68 Lot Size Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive
Actual Distance of Structure from Property Lines - Front 50' Side 15' 11" Side 17' 6" Rear 88' 7"
Total Building Height 21' 10" Number of Stories 1 Heated Floor Area 1545 Roof Pitch 8-12
Porches 212 GARAGE 522 TOTAL 2279

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

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

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

Owner Builder or Agent (Including Contractor) Linda R. Roder
Commission # DD303275 Expires: Mar 24, 2008
Bonded Thru Atlantic Bonding Co., Inc.

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
this 31st day of October 2005
sonally known L or Produced Identification

Contractor Signature [Signature]
Contractors License Number 29003130
Competency Card Number
NOTARY STAMP/SEAL

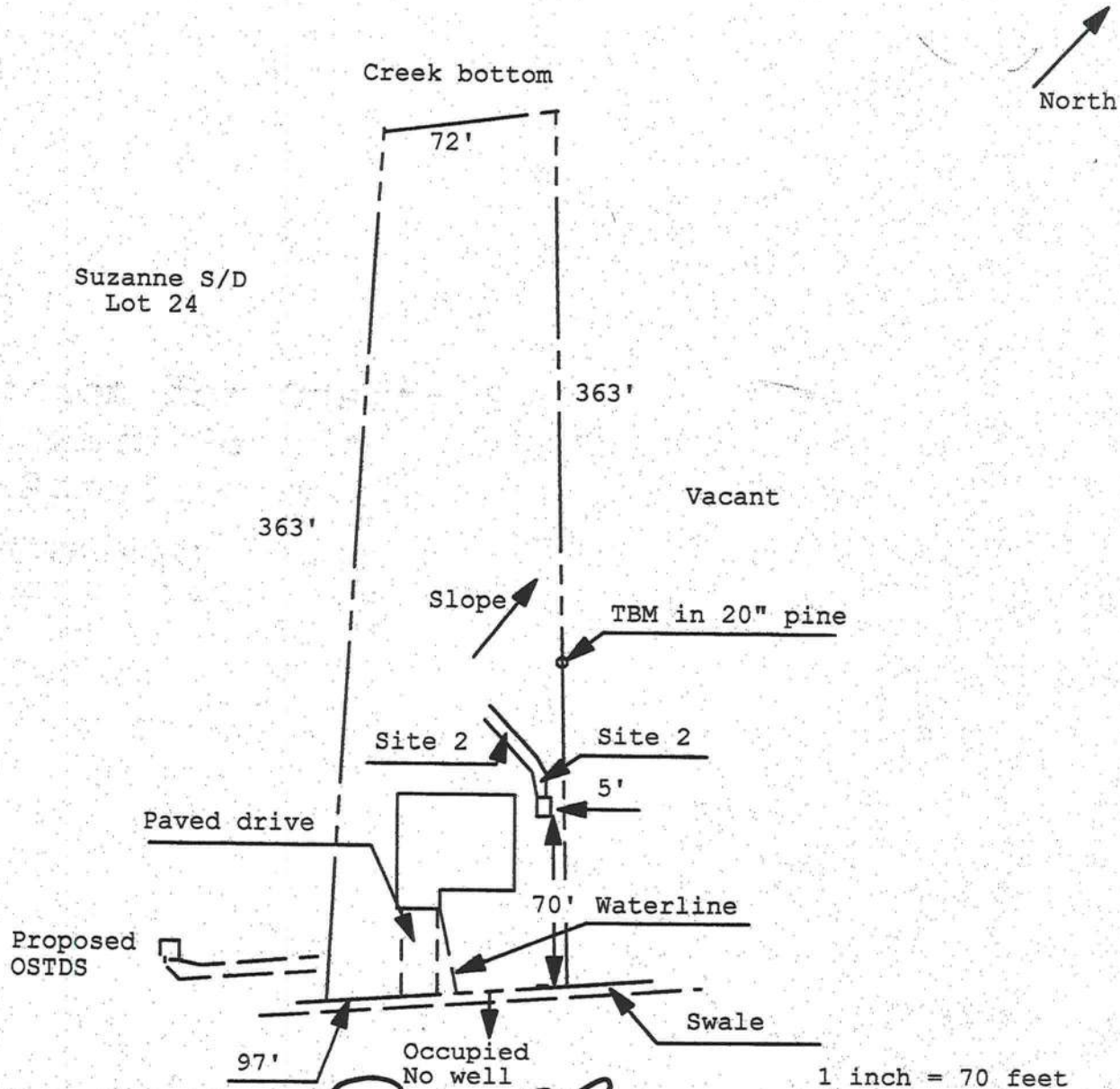
Linda Roder
Notary Signature JW called 1202-05
LINDA

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

Permit Application Number: 05-103920

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

SIMQUE/CR 05-3127



Site Plan Submitted By Paul L. Day Date 10/9/05
Plan Approved ☒ Not Approved ☐ Date 10/14/05

By M. J. J. Columbis CPHU

Notes: _____

THIS INSTRUMENT PREPARED BY
& RETURN TO:
Columbia County Bank
Linda Evans
173 NW Hillsboro Street
Lake City, FL 32055
REC: \$

Inst: 2005022347 Date: 09/13/2005 Time: 12:28
DC, P. DeWitt Cason, Columbia County B: 1056 P: 287

NOTICE OF COMMENCEMENT

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

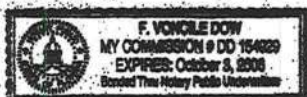
1. Description of Property: Lot #24 Suzanne Subdivision
2. General Description of Improvements: Approx. 1,500 square foot single family residence
3. Owner Information: Aaron Simque Homes, Inc.
P.O. Box 2183
Lake City, FL 32056
- Owner's Interest in Property: Fee Simple
4. Contractor: Aaron Simque Homes, Inc.
P.O. Box 2183
Lake City, FL 32056
5. Lender: Columbia County Bank
173 NW Hillsboro Street
Lake City, FL 32055
6. Additional persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes:
7. Expiration date of Notice of Commencement is one (1) year from the date of recording.

Aaron Simque Homes, Inc.

Aaron Simque, President

STATE OF FLORIDA
COUNTY OF Columbia

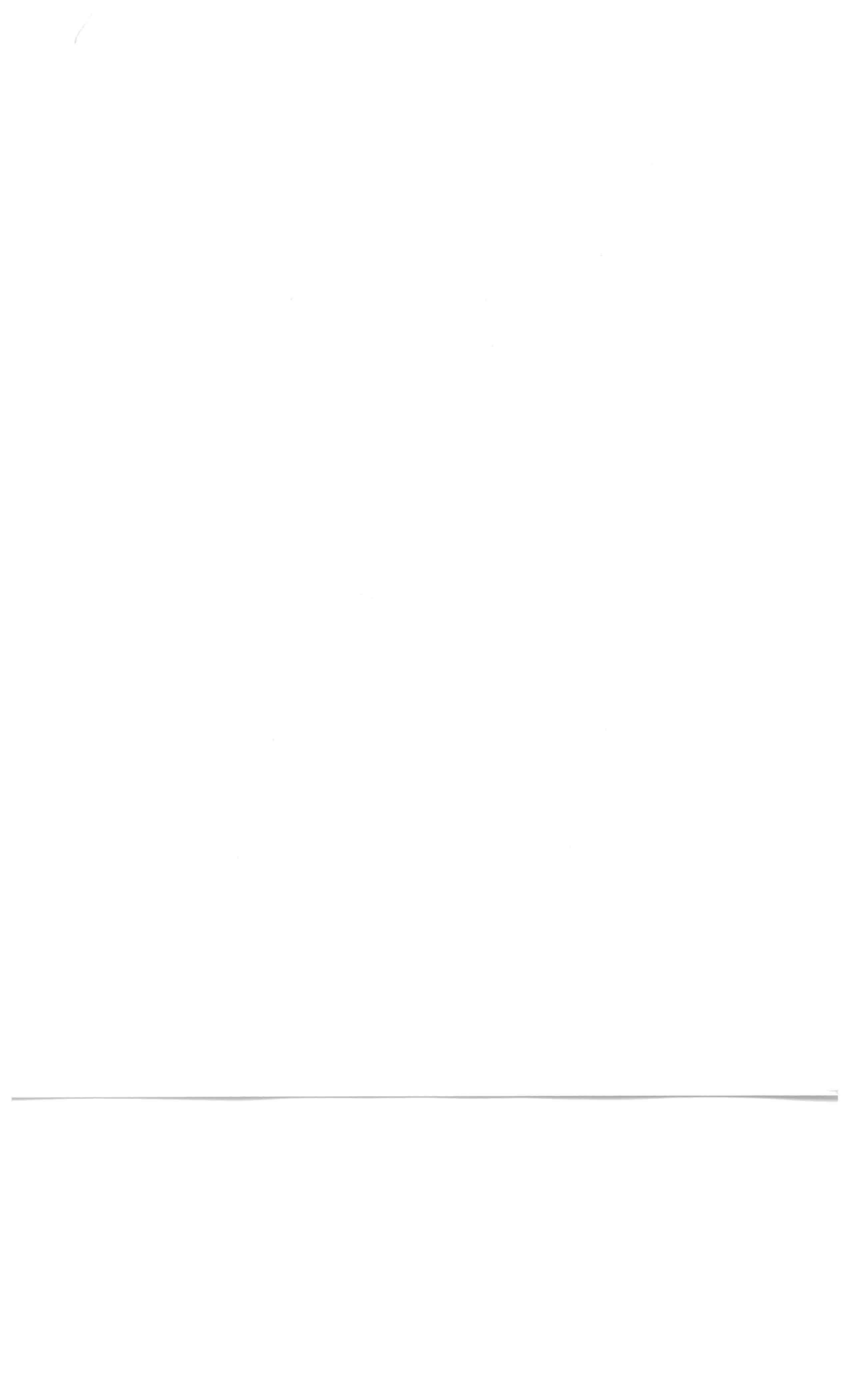
The foregoing instrument was acknowledged before me this 13 day of September, 2005 by Aaron Simque as President of Aaron Simque Homes, Inc.

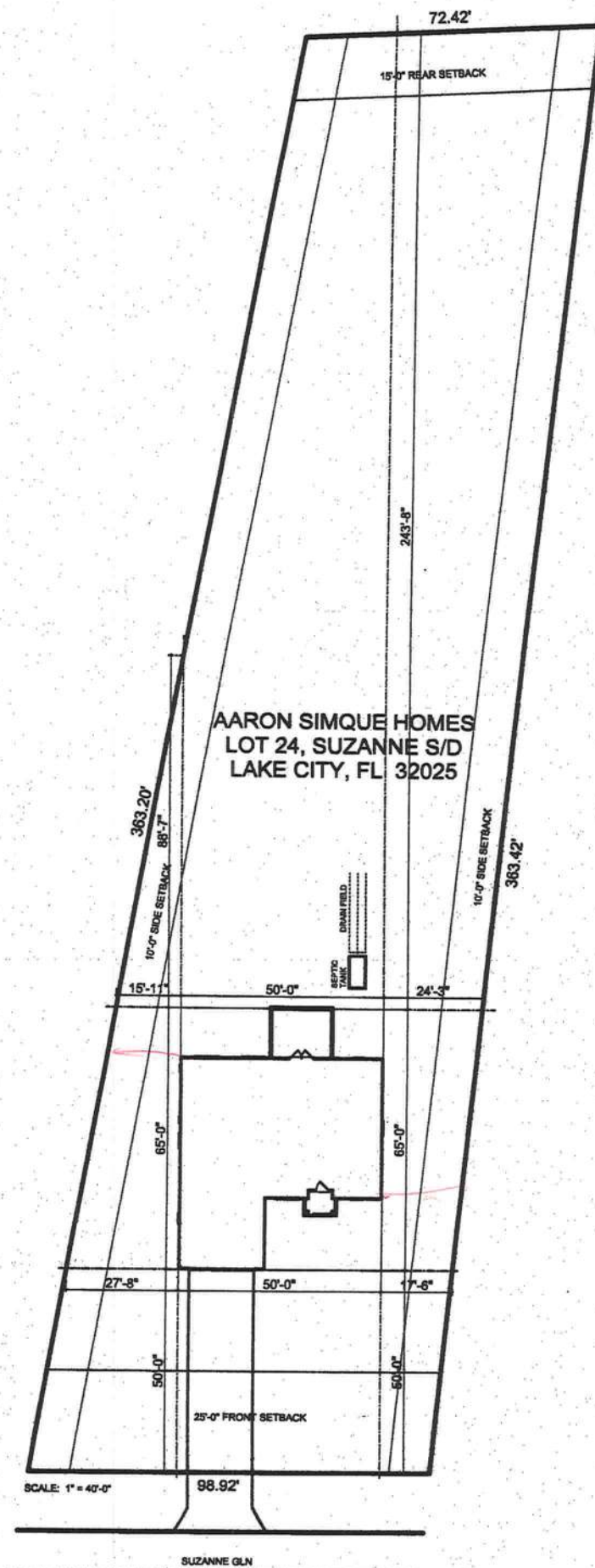


NOTARY PUBLIC

F. Vonile Dow
Name: _____
State of Florida at Large (SEAL)
Personally Known: ☒
Produced Identification: _____
Type: _____
My Commission Expires: _____

(NOC)





Inst:2005022386 Date:09/13/2005 Time:16:17
Doc Stamp Deed : 420.00
MK DC, P. DeWitt Cason, Columbia County B:1058 P:432

Corporate Warranty Deed

This Indenture, made, September 12, 2005 A.D.

Between

Venture Capital Elite, Inc. whose post office address is: 3731 NW 60th Street,
Parkland, FL 33067 a corporation existing under the laws of the State of Florida,
Grantor

and Aaron Simque Homes, Inc. whose post office address is: Post Office Box
2183, Lake City, FL 32056, Grantee,

Witnesseth, that the said Grantor, for and in consideration of the sum of Ten and No/100 Dollars (\$10.00), to it in hand
paid by the said Grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said Grantee forever, the
following described land, situate, lying and being in the County of Columbia, State of Florida, to wit:

See Exhibit "A" Attached Hereto And By This Reference Made A Part Hereof

Subject to taxes for the current year, covenants, restrictions and easements of record, if any.

Parcel Identification Number: R87570-024

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

In Witness Whereof, the said Grantor has caused this instrument to be executed in its name by its duly authorized officer
and caused its corporate seal to be affixed the day and year first above written.

Venture Capital Elite, Inc.

By:

William Wilson
Its: President

Signed and Sealed in Our Presence:

MARLON EDWARDS
Witness Print Name

Anthony Malcolm
Witness Print Name

State of FLORIDA
County of BROWARD

(Corporate Seal)

The foregoing instrument was acknowledged before me this 9th day of September, 2005, by William Wilson, the President of
Venture Capital Elite, Inc. A corporation existing under the laws of the State of Florida, on behalf of the corporation.
He/She is personally known to me or has produced _____ as identification.

Notary Public

Notary Printed Name:

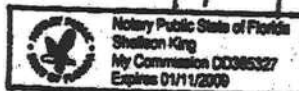
Shellean King

(Seal)

My Commission Expires:

1/11/2009

Prepared by:
Lyndi Skinner/Diane R. Davis, an employee of
American Title Services of Lake City, Inc.,
330 SW Main Boulevard
Lake City, Florida 32023
File Number: 05-643



STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing
is a true copy of the original filed in this office
P. DEWITT CASON, CLERK OF COURTS

By:

Bonnie Dean

Deputy Clerk

Date

9/29/05

EXHIBIT "A"

Parcel 1:

LOT 24 IN SUZANNE SUBDIVISION UNIT 1, AS RECORDED IN PLAT BOOK 4, PAGE 91, COLUMBIA COUNTY, FLORIDA.

AND

Parcel 2:

TOWNSHIP 4 SOUTH-RANGE 17 EAST

SECTION 3: Begin at the Northwest Corner of Lot 24 of Suzanne Subdivision Unit 1, as recorded in Plat Book 4, Page 91, Columbia County, Florida and run thence S 40°43'02" W, 97.36 feet to the West boundary line of the Northeast 1/4 of said Section 3; thence run S 00°45'40" E, 300.00 feet more or less to the North right of way line of Golde Circle; thence S 52°40'35" E, along said right of way line 175.66 feet; N 14°55'55" W, 435.03 feet to the Point of Beginning.

AND

Parcel 3:

TOWNSHIP 4 SOUTH-RANGE 17 EAST

SECTION 3: Begin at the Northwest Corner of Lot 24 of Suzanne Subdivision Unit 1, as recorded in Plat Book 4, Page 91, Columbia County, Florida and run thence S 14°55'55" E, 435.03 feet to the North right of way of Golde Circle; thence N 36°00'52" E, along said right of way line 106.20 feet; thence continue along said right of way N 43°50'19" E, 95.70 feet to the Westerly boundary line of said Lot 24; thence N 35°51'51" W, along said Westerly line 364.60 feet to the Point of Beginning.

Inst:2005022306 Date:08/13/2005 Time:16:17

Doc Stamp-Deed : 420.00

DC, P. DeWitt Cason, Columbia County B:1058 P:433

FLORIDA ENERGY EFFICIENCY CODE
FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	Aaron Simque Homes - Lot 24 Spec
Address:	Lot, Sub: Suzanne, Plat:
City, State:	Lake City, FL 32025-
Owner:	Spec House
Climate Zone:	North
Builder:	Aaron Simque Homes
Permitting Office:	
Permit Number:	23921
Jurisdiction Number:	221008

1. New construction or existing	Single family	1
2. Single family or multi-family	Single family	1
3. Number of units, if multi-family		3
4. Number of Bedrooms		No
5. Is this a worst case?		1545 ft²
6. Conditioned floor area (ft²)		0.0 ft²
7. Glass area & type		0.0 ft²
a. Clear - single pane		192.0 ft²
b. Clear - double pane		0.0 ft²
c. Tint/other SHGC - single pane		0.0 ft²
d. Tint/other SHGC - double pane		0.0 ft²
8. Floor types		R=0.0, 171.0(p) ft
a. Slab-On-Grade Edge Insulation		
b. N/A		
c. N/A		
9. Wall types		R=13.0, 1135.0 ft²
a. Frame, Wood, Exterior		
b. Frame, Wood, Adjacent		R=13.0, 196.0 ft²
c. N/A		
d. N/A		
e. N/A		
10. Ceiling types		R=30.0, 1889.0 ft²
a. Under Attic		
b. N/A		
c. N/A		
11. Ducts		Sup. R=6.0, 40.0 ft
a. Sup: Unc. Ret: Unc. AH: Garage		
b. N/A		

12. Cooling systems		a. Central Unit	
b. N/A			
c. N/A			
13. Heating systems		a. Electric Heat Pump	
b. N/A			
c. N/A			
14. Hot water systems		a. Electric Resistance	
b. N/A			
c. N/A			
15. HVAC credits		(HR-Heat recovery, Solar	
DHP-Dedicated heat pump)			
(CF-Ceiling fan, CV-Cross ventilation,			
HF-Whole house fan,			
PT-Programmable Thermostat,			
MZ-C-Multizone cooling,			
MZ-H-Multizone heating)			
Cap: 31.0 kBtu/hr			
SEER: 11.00			
Cap: 31.0 kBtu/hr			
HSPF: 6.80			
Cap: 40.0 gallons			
EF: 0.90			

Glass/Floor Area: 0.12	Total as-built points: 23792	Total base points: 24693	PASS
------------------------	------------------------------	--------------------------	------

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

PREPARED BY: Will Myers

DATE: 08/06/05

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

OWNER/AGENT:

DATE:

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

BUILDING OFFICIAL:

DATE:



SUMMER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: Suzanne, Plat: , Lake City, FL, 32025-
PERMIT #:

BASE										AS-BUILT									
GLASS TYPES										Type/SC									
.18 X Conditioned X BSPM = Points										Overhang Ornt Len Hgt Area X SPM X SOF = Points									
.18										As-Built Total:									
1545.0										192.0									
20.04										Double, Clear									
5573.1										Double, Clear									
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SUMMER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: Suzanne, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE		AS-BUILT						
Summer Base Points: 19925.3		Summer As-Built Points: 19591.9						
Total Summer X System = Cooling Points	Multiplier	Total X Cap X Duct X System X Credit = Cooling Points	Component Ratio	Multiplier	Multiplier	Multiplier	Multiplier	Points
19925.3		19591.9						
0.4266		1.000						
8500.1		1.000 (1.090 x 1.147 x 1.00) 0.310						
19925.3		1.250						
		0.310						
		1.000						
		7599.9						

PERMIT #:

BASE												AS-BUILT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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.18				1545.0				12.74				3543.0				Double, Clear				W 1.5 6.0 75.0 10.77 1.02 826.4				Double, Clear				W 1.5 6.0 75.0 10.77 1.22 524.6				Double, Clear				N 1.5 2.0 4.0 14.30 1.01 58.1				Double, Clear				E 1.5 6.0 15.0 9.09 1.04 141.2				Double, Clear				E 1.5 8.0 30.0 9.09 1.02 278.1				Double, Clear				S 1.5 2.0 4.0 4.03 2.27 36.5				Double, Clear				S 1.5 6.0 20.0 4.03 1.12 90.1				Double, Clear				S 1.5 2.0 4.0 4.03 2.27 36.5				As-Built Total:				192.0				1991.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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Adjacent				196.0				3.60				705.6				Frame, Wood, Exterior				13.0				1135.0				3.40				3859.0				Frame, Wood, Adjacent				13.0				196.0				3.30				646.8				As-Built Total:				1331.0				4505.8																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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WINTER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: Lot; , Sub: Suzanne, Plat; , Lake City, FL, 32025-
PERMIT #:

BASE					AS-BUILT				
Winter Base Points:					Winter As-Built Points:				
Total Winter X System = Heating Points					Total X Cap X Duct X System X Credit = Heating Points				
Multiplier					Multiplier Multiplier Multiplier Multiplier Multiplier				
Points					(DM x DSM x AHU)				
Component Ratio					Component Ratio				
1.000					1.000				
1.000					1.000				
0.6274					0.501				
12678.7					12985.0				
7954.6					1.250				
12678.7					1.000				
0.6274					1.000				
12678.7					8137.3				
7954.6					8137.3				

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

ADDRESS: Lot: , Sub: Suzanne, Plat: , Lake City, FL, 32025- PERMIT #:

BASE						AS-BUILT					
WATER HEATING											
Number of Bedrooms			X Multiplier = Total			Number of Bedrooms			X Multiplier = Total		
3			2746.00			1.00			2684.98		
			8238.0			3			8054.9		
						0.90			8054.9		

Code Compliance Checklist
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: Suzanne, Plat: , Lake City, FL, 32025-

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum: .3 cfm/sq.ft. window area, .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings > 1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story 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 6-12. 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* = 83.4

The higher the score, the more efficient the home.

Spec House, Lot , Sub: Suzanne, Plat , Lake City, FL, 32025-

- 1. New construction or existing
- 2. Single family or multi-family
- 3. Number of units, if multi-family
- 4. Number of Bedrooms
- 5. Is this a worst case?
- 6. Conditioned floor area (ft²)
- 7. Glass area & type
- 8. Floor types
 - a. Clear - single pane
 - b. Clear - double pane
 - c. Tint/other SHGC - single pane
 - d. Tint/other SHGC - double pane
- 9. Wall types
 - a. Frame, Wood, Exterior
 - b. Frame, Wood, Adjacent
 - c. N/A
 - d. N/A
 - e. N/A
- 10. Ceiling types
 - a. Under Attic
 - b. N/A
 - c. N/A
 - d. N/A
 - e. N/A
- 11. Ducts
 - a. Sup: Unc. Ret: Unc. AH: Garage
 - b. N/A

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

Builder Signature: _____

Date: _____

Address of New Home: _____

City/FL Zip: _____



*NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStarTM designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs, Bureau of Energy, 8300 University Blvd., Tallahassee, FL 32310, or call (904) 487-3222.

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4" & 6" WELLS



DONALD AND MARY HALL
OWNERS

PHONE (386) 752-1864
FAX (386) 756-7022
804 NW MAIN BLVD.
LAKE CITY, FLORIDA 32055

July 12, 2005

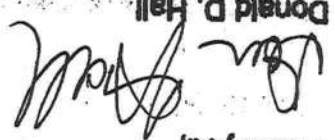
NOTICE TO BUILDING DEPT

For

Please be advised that due to the new building codes we will use a large capacity diaphragm tank on all new wells. This will insure 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 submersible pump and diaphragm tank combination that will be sufficient for each situation.

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

Thank you,


Donald D. Hall
DDH/rb

Mark Disosway, PE
Florida Registered Professional Engineer
Cc Sinique Aaron
2 Dec 05

Dear Building Official:

Please accept this letter as addendum to the plans for the above referenced house to change all references to FBC 2001 to FBC 2004.

- The plan was drawn prior to the effective date for FBC 2004, 01 October 2005.
- Since the wind load requirements of FBC 2004 remain basically unchanged from FBC 2001 there are no structural changes required to this plan.

December 2, 2005

Building Department

Re: Permit #0511-13, Sinique Aaron, Spec House, Lot 24, SE Carob Gln. Suzanne S/D Lake City, Florida 32025,

Mark Disosway, P.E.
POB 868, Lake City, FL 32056, Ph (386) 754-5419, Fax (386) 269-4871



Jaron Simgue Homes lot 24 Suzanne S/D

COLUMBIA COUNTY BUILDING DEPARTMENT

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR

FLORIDA BUILDING CODE 2001
ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE MARCH 1, 2002

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 1606 OF THE FLORIDA BUILDING CODE 2001 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1606 SHALL BE USED.

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

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

APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS: Two (2) complete sets of plans containing the following:

Applicant ☒ Plans Examiner ☐

All drawings must be clear, concise and drawn to scale ("Optional" details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans. Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed.

Site Plan including:

- a) Dimensions of lot ☐
- b) Dimensions of building set backs ☐
- c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. ☐
- d) Provide a full legal description of property. ☐

Wind-load Engineering Summary, calculations and any details required

- a) Plans or specifications must state compliance with FBC Section 1606 ☐
- b) The following information must be shown as per section 1606.1.7 FBC ☐

- a. Basic wind speed (MPH)
- b. Wind importance factor (I) and building category
- c. Wind exposure - if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated
- d. The applicable internal pressure coefficient
- e. Components and Cladding. The design wind pressure in terms of psf (Kt/m^2), to be used for the design of exterior component and cladding materials not specially designed by the registered design professional

Elevations including:

- a) All sides ☒
- b) Roof pitch ☒
- c) Overhang dimensions and detail with attic ventilation ☒
- d) Location, size and height above roof of chimneys ☒
- e) Location and size of skylights ☒
- f) Building height ☒
- g) Number of stories ☒

[illegible]

2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

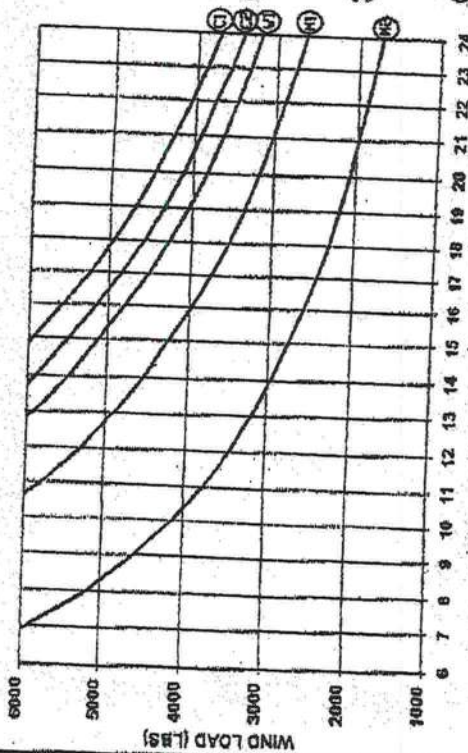
2x6 PRESSURE TREATED (GRADE #2 OR BETTER SOUTHERN PINE) WOOD JAMB SHALL BE ANCHORED TO BUILDING WOOD FRAME, GROUTED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS.

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" SSTB 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 2500 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.

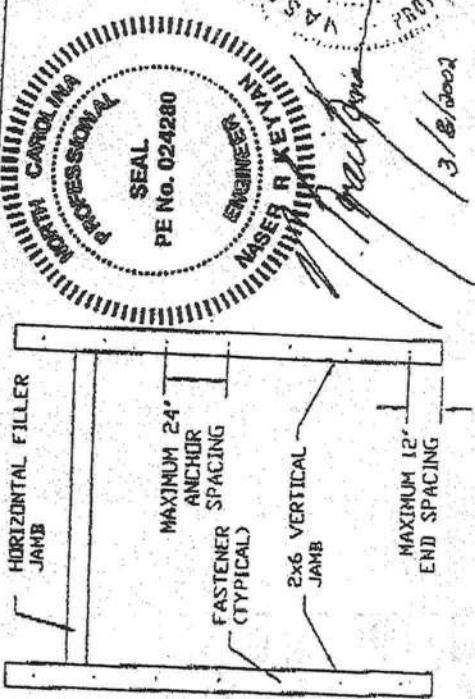
- (C) CONCRETE BACKUP WITH MULTI-AXIS BOLT II EXPANSION ANCHOR 3/8" DIA. 1-5/8" EMBEDMENT
 (C) CONCRETE BACKUP BAWL LOK/BOLT SLEEVE ANCHOR 3/8" DIA. 1-5/8" EMBEDMENT
 (M) MASONRY/CMU BACKUP BAWL LOK/BOLT SLEEVE ANCHOR 3/8" DIA. 1-5/8" EMBEDMENT
 (M) MASONRY/CMU BACKUP WITH BUILDUP TAPCON ANCHOR 1/2" DIA. 1-3/4" EMBEDMENT
 (V) WOOD STUD BACKUP LAG SCREWS 5/16" DIA. 1-1/2" EMBEDMENT

WIND LOAD vs ANCHOR SPACING



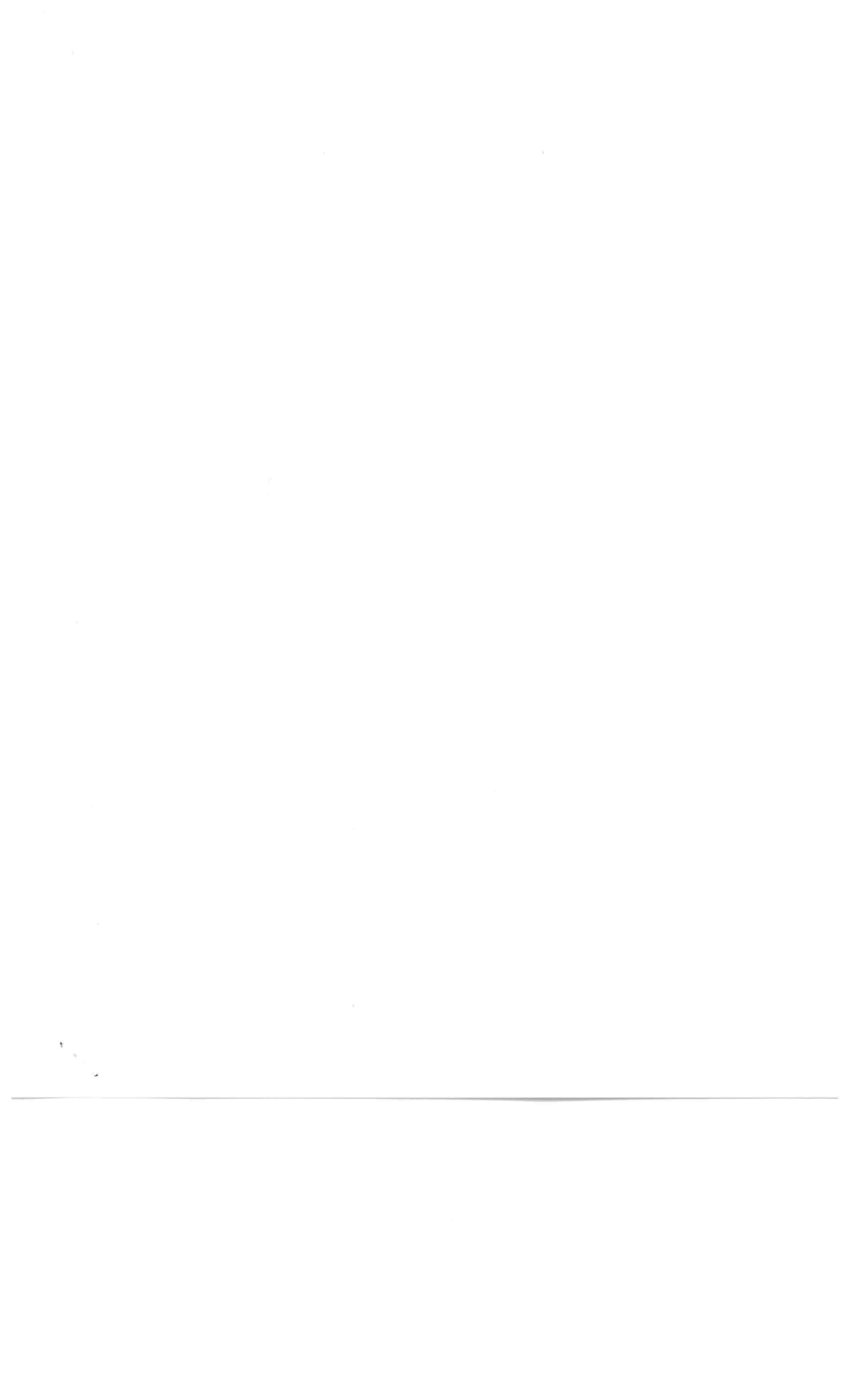
DESIGN (LBS) X GARAGE DOOR AREA (WIDTH-FT X HEIGHT-FT) = WIND LOAD (LBS)

30 LBS X 16 FT WIDE X 8 FT HIGH = 3840 LBS
 FT²
 EXAMPLE
 (C) USE 22" SPACING
 (M) USE 16" SPACING
 (V) USE 10" SPACING
 (R) USE 8" SPACING
 SEE NOTE 11 FOR ADDITIONAL REQUIRED 2x6 WOOD JAMB ANCHORS



 GENERAL AMERICAN DOOR COMPANY 3000 BASELINE ROAD MONTGOMERY, IL 60538		DRAWN BY: DV CHECKED BY:
SCALE: NONE DATE: 8-30-99 REVISION:	JAMB TO STRUCTURE ATTACHMENT FOR WIND LOADED GARAGE DOORS	
DRAWING NUMBER: A10560		PROJECT NUMBER:

NORTH CAROLINA
 PROFESSIONAL SEAL
 PE No. 024280
 ENGINEER
 NASEER A. KAYAN
 3/8/2002



Premdor Entry Systems

ACCEPTANCE No.: 01-0314.18

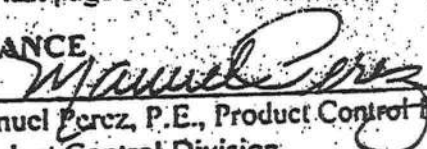
APPROVED : JUN 05 2001

EXPIRES : April 02, 2006

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a. There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes.
 - b. The product is no longer the same product (identical) as the one originally approved.
 - c. If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product.
 - d. The engineer who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a. Unsatisfactory performance of this product or process.
 - b. Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purposes.
6. The Notice of Acceptance number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer needs not reveal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

END OF THIS ACCEPTANCE


Manuel Perez, P.E., Product Control Examiner
Product Control Division

Premdor Entry Systems

ACCEPTANCE No.: 01-0314.18

APPROVED : JUN 05 2001

EXPIRES : April 02, 2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

- 1.1 This renews the Notice of Acceptance No. 00-0321.20 which was issued on April 28, 2000. It approves a residential insulated door, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

- 2.1 The Series Entergy 6-8 S-W/E Inswing Opaque Single Residential Insulated Steel Door with Sidelites- Impact Resistant Door Slab Only and its components shall be constructed in strict compliance with the following documents: Drawing No 31-1020-EV-1, Sheets 1 through 6 of 6, titled "Premdor (Entergy Brand) Wood Edge Single Door in Wood Frames with a Bumper Threshold (Inswing)," prepared by manufacturer, dated 7/29/97 with revision C dated 01/15/01, bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

- 3.1 This approval applies to single unit applications of single door only, as shown in approved drawings.
- 3.2 Unit shall be installed only at locations protected by a canopy or overhang such that the angle between the edge of canopy or overhang to sill is less than 45 degrees. Unless unit is installed in non-habitable areas where the unit and the area are designed to accept water infiltration.

4. INSTALLATION

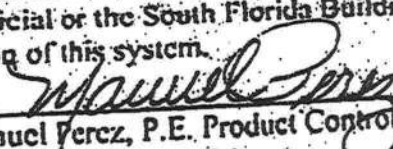
- 4.1 The residential insulated steel door and its components shall be installed in strict compliance with the approved drawings.
- 4.2 Hurricane protection system (shutters):
- 4.2.1 Door: the installation of this unit will not require a hurricane protection system.
- 4.2.2 Sidelite: the installation of this unit will require a hurricane protection system.

5. LABELING

- 5.1 Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved"

6. BUILDING PERMIT REQUIREMENTS

- 6.1 Application for building permit shall be accompanied by copies of the following:
- 6.1.1 This Notice of Acceptance
- 6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.
- 6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.


Manuel Perez, P.E. Product Control Examiner
Product Control Division

**AAMA/NWDA 101/LS-2-97
TEST REPORT SUMMARY**

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 650 Fin

TYPE: Aluminum Single Hung Window

Title of Test	Results
Rating	H-R40 52 x 72
Overall Design Pressure	+45.0 psf -47.2 psf
Operating Force	11 lb max.
Air Infiltration	0.13 cfm/ft ²
Water Resistance	6.00 psf
Structural Test Pressure	+67.5 psf -70.8 psf
De-glazing	Passed
Forced Entry Resistance	Grade 10

Reference should be made to Report No. 01-41134.01 dated 03/26/02 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.


Mark A. Hess, Technician

MAH:mh


1 APRIL 2002



II

Architectural Testing

AAMA/NWDA 101/LS.2-97 TEST REPORT

Rendered to

MI HOME PRODUCTS, INC.
650 West Market Street
P.O. Box 370
Gratz, Pennsylvania 17030-0370

Report No: 01-41134.01
Test Date: 03/07/02
Report Date: 03/26/02
Expiration Date: 03/07/06

Project Summary: Architectural Testing, Inc. (ATTI) was contracted by MI Home Products, Inc. to perform tests on Series/Model 650 Fin, aluminum single hung window at their facility located in Elizabethtown, Pennsylvania. The samples tested successfully met the performance requirements for a IS-R40 52 x 72 rating.

Test Specification: The test specimen was evaluated in accordance with AAMA/NWDA 101/LS.2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors*.

Test Specimen Description:

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

Overall Size: 4' 4-1/4" wide by 6' 0-3/8" high

Active Sash Size: 4' 1-3/4" wide by 3' 0-5/8" high

Daylight Opening Size: 3' 11-3/8" wide by 2' 9-1/2" high

Screen Size: 4' 0-1/4" wide by 2' 11-1/8" high

Finish: All aluminum was white.

Glazing Details: The active and fixed lites utilized 5/8" thick, sealed insulating glass constructed from two sheets of 1/8" thick, clear annealed glass and a metal reinforced butyl spacer system. The active sash was channel glazed utilizing a flexible vinyl wrap around gasket. The fixed lite was interior glazed against double-sided adhesive foam tape and secured with PVC snap-in glazing beads.

130 Derry Court
York, PA 17402-9405
phone: 717.764.7700
fax: 717.764.6129
www.archtest.com

Allen J. Rouse
1 APRIL 2002



III

Test Specimen Description: (Continued)

Weatherstripping:

Description	Quantity	Location
0.230" high by 0.270" backed polypile with center fin	1 Row	Fixed meeting rail
0.250" high by 0.187" backed polypile with center fin	2 Rows	Active sash stiles
1/2" x 1/2" dust plug	4 Pieces	Active sash, top and bottom of stiles
1/4" foam-filled vinyl bulb seal	1 Row	Active sash, bottom rail

Frame Construction: The frame was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1" screws through the head and sill into each jamb screw boss. End caps were utilized on the ends of the fixed meeting rail and secured with two 1-1/4" screws per cap. Meeting rail was secured to the frame utilizing two 1-1/4" screws.

Sash Construction: The sash was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1-1/2" screws through the rails into each jamb screw boss.

Screen Construction: The screen was constructed from roll-formed aluminum with keyed corners. The fiberglass mesh was secured with a flexible spline.

Hardware:

Description	Quantity	Location
Metal cam lock with keeper		Midspan, active meeting rail with keeper adjacent on fixed meeting rail
Plastic tilt latch	2	Active sash, meeting rail ends
Metal tilt pin	2	Active sash, bottom rail ends
Balance assembly	2	One in each jamb
Screen plunger	2	4" from rail ends on top rail

Allen H. Reeves
1 APRIL 2002



IV

Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

Installation: The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood test buck with #8 x 1-5/8" drywall screws every 8" on center around the nail fin. Polyurethane was used as a sealant under the nail fin and around the exterior perimeter.

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.1	Operating Force	11 lbs	30 lbs max
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.13 cfm/ft ²	0.3 cfm/ft ² max

Note #1: The tested specimen meets the performance levels specified in AAMA/NWDA 101/LS-2-97 for air infiltration.

	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds) @ 25.9 psf (positive) @ 34.7 psf (negative)	0.42" 0.43"	0.26" max. 0.26" max.

**Exceeds L/175 for deflection, but passes all other test requirements.*

2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds) @ 38.9 psf (positive) @ 52.1 psf (negative)	0.02" 0.02"	0.18" max. 0.18" max.
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Allen H. Reeves
1 APRIL 2002



Test Specimen Description: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.2	Deglazing Test (ASTM E 987) In operating direction at 70 lbs		
	Meeting rail	0.12"/25%	0.50"/100%
	Bottom rail	0.12"/25%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.06"/12%	0.50"/100%
	Right stile	0.06"/12%	0.50"/100%
	Forced Entry Resistance (ASTM F 388-97)		
	Type: A		
	Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Tests A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry

Optional Performance

4.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 6.00 psf	No leakage	No leakage
	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds)		
	@ 45.0 psf (positive)	0.47"	0.26" max.
	@ 47.2 psf (negative)	0.46"	0.26" max.

*Exceeds L/175 for deflection, but passes all other test requirements.

Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)	
@ 67.5 psf (positive)	0.05"
@ 70.8 psf (negative)	0.05"

Allen N. Reeves
1 APRIL 2002



VI

01-41134.01
Page 5 of 5

Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator.

For ARCHITECTURAL TESTING, INC:


Mark A. Hess
Technician

MAH:nlb
01-41134.01


Allen N. Reeves, P.E.
Director - Engineering Services
1 APRIL 2002





FEB - 4 2002

January 31, 2002

TO: OUR FLORIDA CUSTOMERS:

Effective February 1, 2002, the following TAMKO shingles, as manufactured at TAMKO's Tuscaloosa, Alabama, facility, comply with ASTM D-3161, Type I modified to 110 mph. Testing was conducted using four nails per shingle. These shingles also comply with Florida Building Code TAS 100 for wind driven rain.

- Glass-Seal AR
- Elite Glass-Seal AR
- ASTM Heritage 30 AR (formerly ASTM Heritage 25 AR)
- Heritage 40 AR (formerly Heritage 30 AR)
- Heritage 50 AR (formerly Heritage 40 AR)

All testing was performed by Florida State certified independent labs.

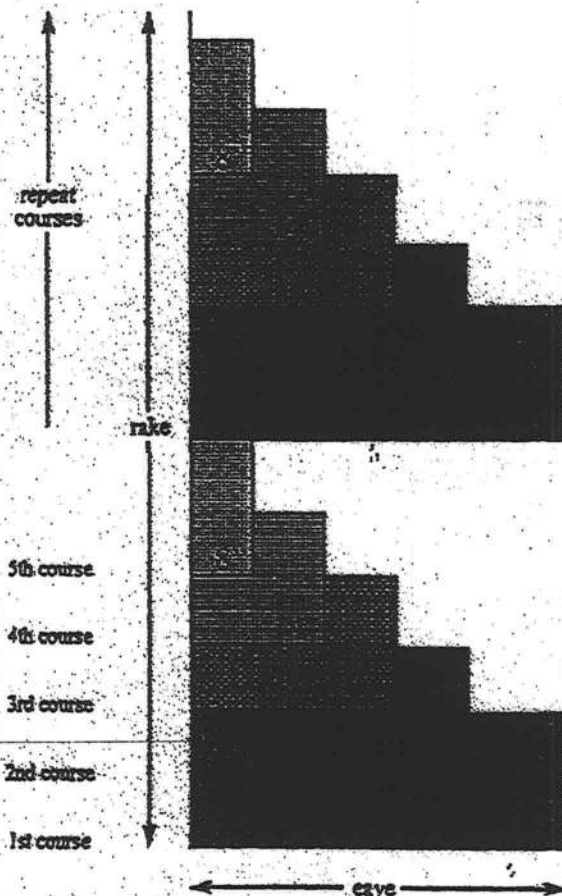
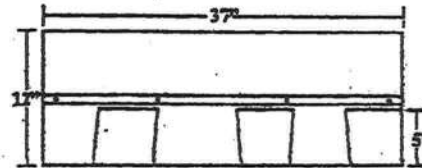
Please direct all questions to TAMKO's Technical Services Department at 1-800-641-4691.

TAMKO Roofing Products, Inc.



Application Instructions For Heritage® 25 Series Shingles

SPECIFICATIONS (APPROX.)	
Length	37"
Width	12"
Bundles per Sq.	3
Shingles per Sq.	78
Shingles per Bundle	26
Coverage per Sq. (Sq. Ft.)	100
Exposure	5"



The 4 cuts in the first 10 courses:



In the first 10 courses, there are 4 cuts and no waste.

When you reach the other side of the roof, whatever has to be trimmed off can be used in the field of roofing.

For additional application information consult the application instructions printed on the product package.

NOTE: These application instructions apply only to Heritage 25 and Heritage 25 AR shingles.



Application Instructions for

- Glass-Seal
 - Elite Glass-Seal®
 - Glass-Seal AR
 - Elite Glass-Seal® AR
- ### THREE-TAB ASPHALT SHINGLES

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO ROOFING 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.

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. FASTENING

NAIS: TAMKO recommends the use of nails as the preferred method of application.

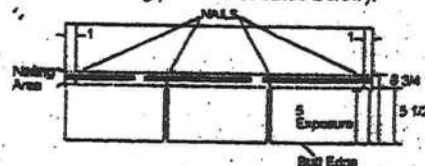
WIND CAUTION: Extreme wind velocities can damage these shingles after application when proper sealing of the shingles does not occur. This can especially be a problem if the shingles are applied in cooler months or in areas on the roof that do not receive direct sunlight. These

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, hard sealing of the shingles is recommended. Shingles must also be fastened according to the fastening instructions described below.

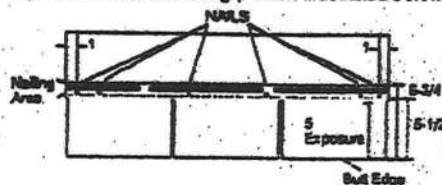
Correct placement of the fasteners is critical to the performance of the shingle. If the fasteners are not placed as shown in the diagram and described below, TAMKO will not be responsible for any shingles blown off or displaced. TAMKO will not be responsible for damage to shingles caused by winds or gusts exceeding gale force. Gale force shall be the standard as defined by the U.S. Weather Bureau.

FASTENING PATTERNS: Fasteners must be placed above or below the factory applied sealant in an area between 5-1/2" and 6-3/4" from the butt edge of the shingle. Fasteners should be located horizontally according to the diagram below. Do not nail into the sealant. TAMKO recommends nailing below the sealant whenever possible for greater wind resistance.

1) Standard Fastening Pattern. (For use on decks with slopes 2 in. per foot to 21 in. per foot.) One fastener 1 in. back from each end and one 12 in. back from each end of the shingle for a total of 4 fasteners. (See standard fastening pattern illustrated below).



2) Mansard or High Wind Fastening Pattern. (For use on decks with slopes greater than 21 in. per foot.) One fastener 1 in. back from each end and one fastener 10-1/2 in. back from each end and one fastener 13-1/2 in. back from each end for a total of 6 fasteners per shingle. (See Mansard fastening pattern illustrated below.)



NAIS: 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.

(Continued)

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www.tamko.com

Central District	220 West 4th St., Joplin, MO 64801	800-641-4691
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Southeast District	2300 35th St., Tuscaloosa, AL 35401	800-228-2656
Southwest District	7910 S. Central Exp., Dallas, TX 75216	800-443-1834
Western District	5300 East 43rd Ave., Denver, CO 80216	800-530-8866

07/01

TAMKO

ROOFING PRODUCTS

(CONTINUED from Pg. 2)

• Glass-Seal • Glass-Seal AR • Elite Glass-Seal® • Elite Glass-Seal® AR

THREE-TAB ASPHALT SHINGLES

with quick setting asphalt adhesive cement immediately upon installation. Spots of cement must be equivalent in size to a 3.25 piece and applied to shingles with a 5 in. exposure, use 6 fasteners per shingle. See Section 3 for the Mansard Fastening Pattern.

5. RE-ROOFING

Before re-roofing, be certain to inspect the roof decks. All plywood shall meet the requirements listed in Section 1.

Nail down or remove curled or broken shingles from the existing roof. Replace all missing shingles with new ones to provide a smooth base. Shingles that are buckled usually indicate warped decking or protruding nails. Hammer down all protruding nails or remove them and re-fasten in a new location. Remove all drip edge metal and replace with new.

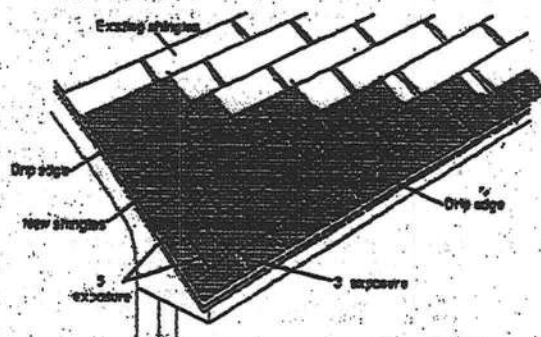
If re-roofing over an existing roof where new flashing is required to protect against ice dams (freeze/thaw cycle of water and/or the backup of water in frozen or clogged gutters), remove the old roofing to a point at least 24 in. beyond the interior wall line and apply TAMKO's Moisture Guard Plus® waterproofing underlayment. Contact TAMKO's Technical Services Department for more information.

The nesting procedure described below is the preferred method for re-roofing over square tab strip shingles with a 5 in. exposure.

Starter Courses: Begin by using TAMKO Shingle Starter or by cutting shingles into 5 x 36 inch strips. This is done by removing the 5 in. tab from the bottom and approximately 2 in. from the top of the shingles so that the remaining portion is the same width as the exposure of the old shingles. Apply the starter piece so that the self-sealing adhesive lies along the eaves and is even with the existing roof. The starter strip should be wide enough to overhang the eaves and carry water into the gutter. Remove 3 in. from the length of the first starter shingle to ensure that the joints from the old roof do not align with the new.

First Course: Cut off approximately 2 in. from the bottom edge of the shingles so that the shingles fit beneath the existing third course and align with the edge of the starter strip. Start the first course with a full 36 in. long shingle and fasten according to the instructions printed in Section 3.

Second and Succeeding Courses: According to the off-set application method you choose to use, remove the appropriate length from the



rake end of the first shingle in each succeeding course. Place the top edge of the new shingle against the butt edge of the old shingles in the courses above. The full width shingle used on the second course will reduce the exposure of the first course to 3 in. The remaining courses will automatically have a 5 in. exposure.

6. VALLEY APPLICATION

Over the shingle underlayment, center a 36 in. wide sheet of TAMKO Nail-Fast® or a minimum 50 lb. roll roofing in the valley. Nail the felt only where necessary to hold it in place and then only nail the outside edges.

IMPORTANT: PRIOR TO INSTALLATION WARM SHINGLES TO PREVENT DAMAGE WHICH CAN OCCUR WHILE BENDING SHINGLES TO FORM VALLEY.

- Apply the first course of shingles along the eaves of one of the intersecting roof planes and across the valley.

Note: For proper flow of water over the trimmed shingle, always start applying the shingles on the roof plane that has the lower slope or less height.

- Extend the end shingle at least 12 in. onto the adjoining roof. Apply succeeding courses in the same manner, extending them across the valley and onto the adjoining roof.
- Do not trim if the shingle length exceeds 12 in. Lengths should vary.
- Press the shingles tightly into the valley.
- Use normal shingle fastening methods.

Note: No fastener should be within 6 in. of the valley centerline, and two fasteners should be placed at the end of each shingle crossing the valley.

- To the adjoining roof plane, apply one row of shingles extending it over previously applied shingles and trim a minimum of 2 in. back from the centerline of the valley.

Note: For a neater installation, snap a chalkline over the shingles for guidance.

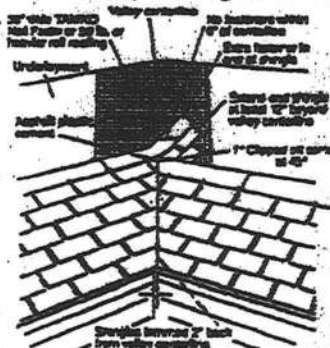
- Clip the upper corner of each shingle at a 45-degree angle and embed the end of the shingle in a 3 in. wide strip of asphalt plastic cement. This will prevent water from penetrating between the courses by directing it into the valley.

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)

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www.tamko.com

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07/01



(CONTINUED from Pg. 3)

- Glass-Seal
- Glass-Seal AR

- Elite Glass-Seal®
- Elite Glass-Seal® AR

THREE-TAB ASPHALT SHINGLES

FOR ALTERNATE VALLEY APPLICATION METHODS, PLEASE CONTACT TAMKO'S TECHNICAL SERVICES DEPARTMENT.

18. 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 5-1/2 in. back from the exposed end and 1 in. up from the edge. Do not nail directly into the sealant.

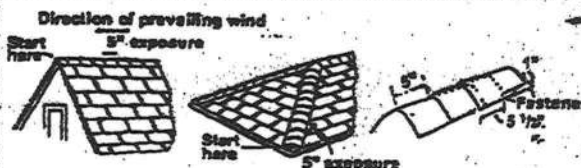
TAMKO recommends the use of TAMKO Hip & Ridge shingle products. Where matching colors are available, it is acceptable to use TAMKO's Glass-Seal or Elite Glass-Seal shingles cut down to 12 in. pieces.

NOTE: AR type shingle products should be used as Hip & Ridge on Glass-Seal AR and Elite Glass-Seal AR shingles.

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

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

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO ROOFING 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.

IMPORTANT - READ CAREFULLY BEFORE OPENING BUNDLE

In this paragraph "You" and "Your" refer to the installer of the shingles and the owner of the building on which these shingles will be installed. This is a legally binding agreement between You and TAMKO Roofing Products, Inc. ("TAMKO"). By opening this bundle You agree: (a) to install the shingles strictly in accordance with the instructions printed on this wrapper; or (b) that shingles which are not installed strictly in accordance with the instructions printed on this wrapper are sold "AS IS" and are not covered by the limited warranty that is also printed on this wrapper, or any other warranty, including, but not limited to (except where prohibited by law) implied warranties of MERCHANTABILITY and FITNESS FOR USE.

Visit Our Web Site at
www.tamko.com

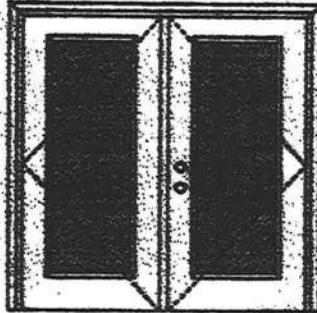
Central District	220 West 4th St., Joplin, MO 64801	800-841-4691
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Southwest District	7910 S. Central Exp., Dallas, TX 75216	800-443-1834
Western District	5300 East 43rd Ave., Denver, CO 80216	800-530-8868

07/01

XX

Glazed Outswing Unit

309 WL 04193-07

WOOD-EDGE STEEL DOORS**APPROVED ARRANGEMENT:**

Note:
Units of other size are covered by this report as long as the panels used do not exceed 5'0" x 6'6".

Double Door
Maximum unit size - 6'6" x 6'6"

Design Pressure
+40.5/-40.5

Limited water entry; special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is REQUIRED.

Actual design pressure and impact resistance requirements for a specific building design and geographic location is determined by ASCE 7-05, national, state or local building codes specify the criteria 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



120, 126 Series



130 Series



600 Series



622 Series

1/2 GLASS:

100 Series



100, 100 Series



120 Series



300 Series



12 WL, 23 WL, 24 WL Series



107 Series



100 Series



304 Series

*This glass is only able to be used in the following door styles: 5-panel; 6-panel with arch; Eyebrow 5-panel; Eyebrow 6-panel with arch.

Johnson
Entrysystems

March 25, 2008
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.



Exclusively from
Masonite
Masonite International Corporation

XX

Glazed Outswing Unit

JCP 11/14/152 02

WOOD-EDGE STEEL DOORS**APPROVED DOOR STYLES:****3/4 GLASS:**

404 Series



410 Series



420 Series

FULL GLASS:

100 Series



114, 120, 122 Series



180 Series



140 Series



300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1894-5, 6, 7, 8; NCTL 210-2178-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16255

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 and rail constructed of 0.041" steel. Bottom and 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 file surround.

Frame constructed of wood with an extruded aluminum bumper threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

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

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

Johnson
Entry Systems

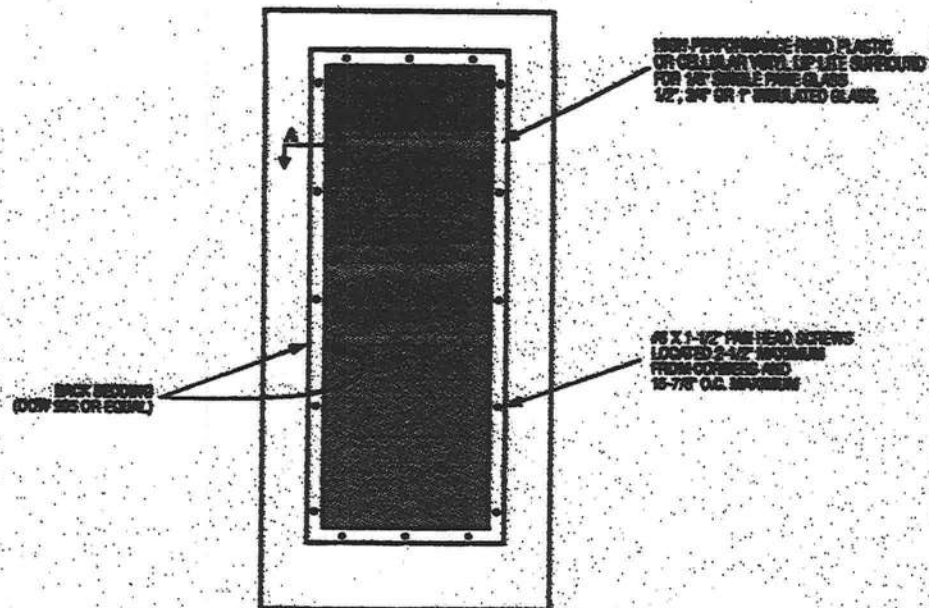
March 29, 2002

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

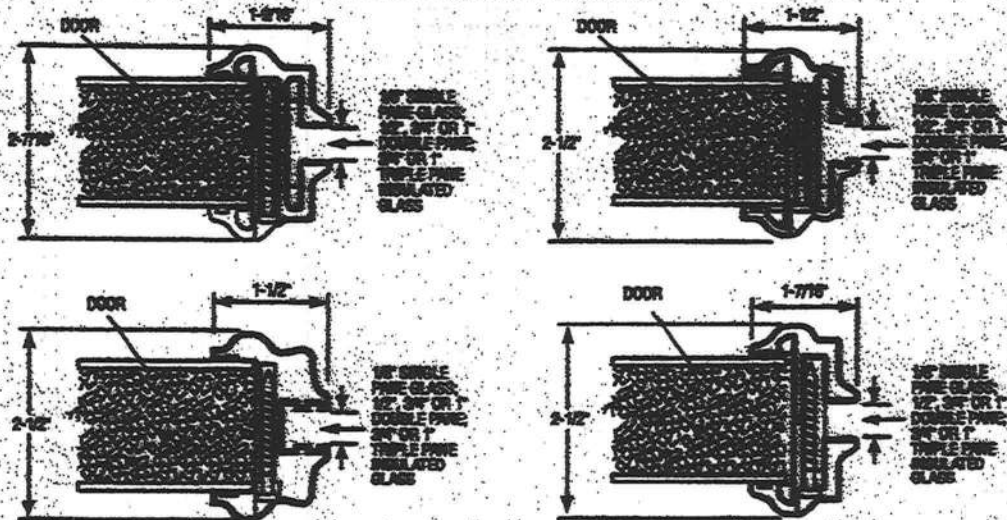
PREMIER
Premium Quality DoorsExclusively from
Masonite

Masonite International Corporation

GLASS INSERT IN DOOR OR SIDELITE PANEL



SECTION A-A TYPICAL RIBBON PLASTIC LP LITE SURROUND



March 23, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.



Exclusively from
Masonite
Masonite International Corporation

Florida Building Code Online



The Florida Department of Community Affairs Building Code Information System

FLORIDA BUILDING CODE

☐ Overview
 ☐ User Registration
 ☐ Organization Registration
 ☐ Architectural Search
 ☐ Organization Search
 ☐ Organization Archival
 ☐ Organization Archival Search

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

Organization Product Manufacturer

Approval Status: (All)

Organization Name: General American Door - Product Manufacturer

Cancel

Search

Result List for Organizations

Displaying 1-1 of 1					
Name	City	Contact	Phone	Type	Expiry
General American Door	Montgomery	Jarvis Campbell	6308593000	Product Manufacturer	01/01/2009
Org Code: PDM System ID: 3585 Site Link: www.gadec.com					

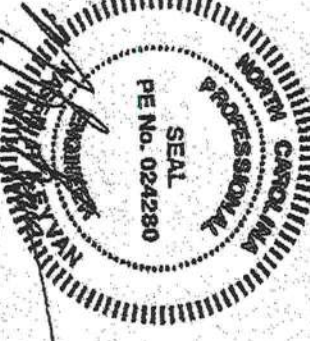
Displaying 1-1 of 1

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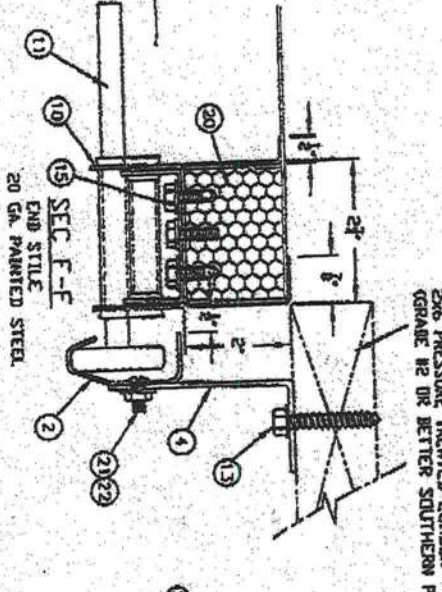
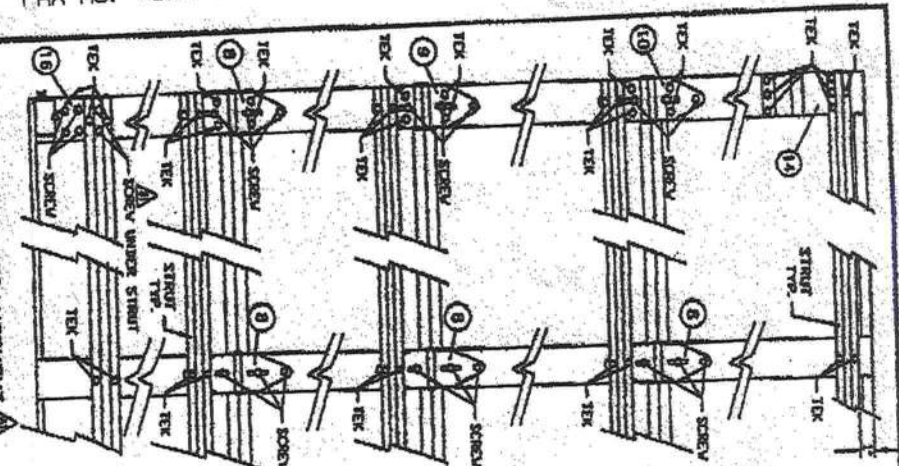
http://www.floridabuilding.org/Common/c_org_reg_SRCH.asp

6/21/2004

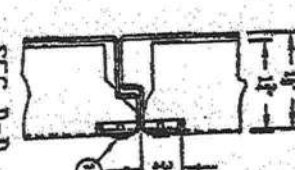
The seal on this drawing only certifies that the product(s) illustrated and described herein represent the configuration(s) of the door as tested.



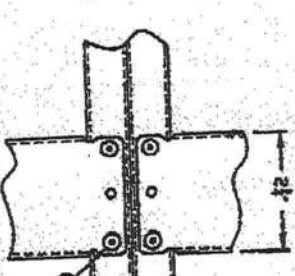
FASTENER ARRANGEMENT



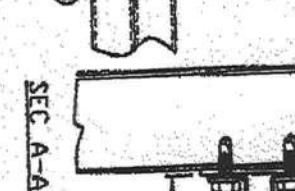
SEC D-D
PAN ATTACHMENT
TO STILE
(AS TESTED)



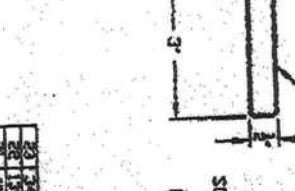
SEC G-G
CENTER STILE
20 GA GALVANIZED



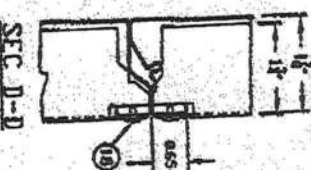
SEC A-A



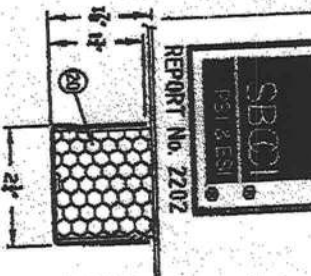
SEC E-E



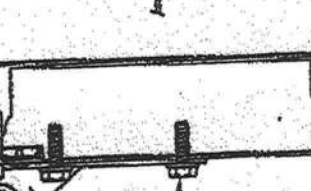
SEC D-D
PAN ATTACHMENT
TO STILE
(OPTIONAL)



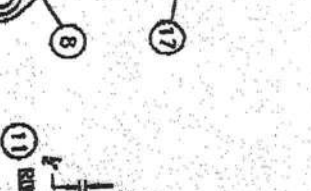
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CENTER STILE
20 GA GALVANIZED



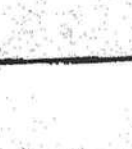
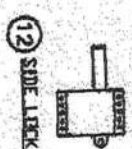
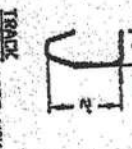
SEC A-A



SEC E-E



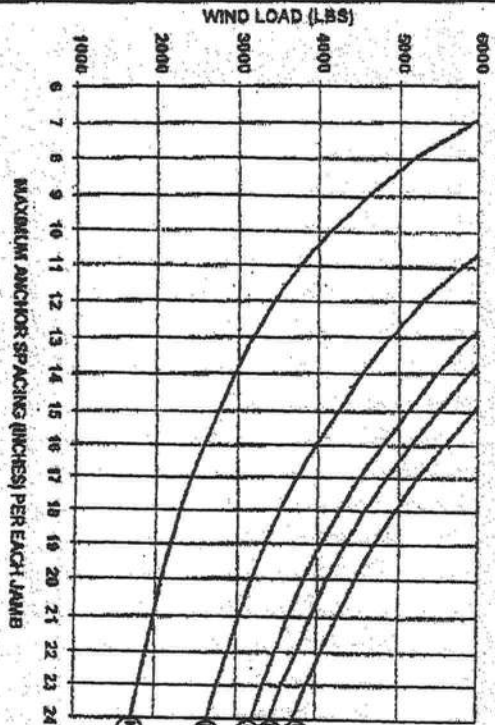
REPORT No. 2202



ITEM	DESCRIPTION	QUANTITY	UNIT
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2	2x4x8 S4S	1	EA
3	2x4x8 S4S	1	EA
4	2x4x8 S4S	1	EA
5	2x4x8 S4S	1	EA
6	2x4x8 S4S	1	EA
7	2x4x8 S4S	1	EA
8	2x4x8 S4S	1	EA
9	2x4x8 S4S	1	EA
10	2x4x8 S4S	1	EA
11	2x4x8 S4S	1	EA
12	2x4x8 S4S	1	EA
13	2x4x8 S4S	1	EA
14	2x4x8 S4S	1	EA
15	2x4x8 S4S	1	EA
16	2x4x8 S4S	1	EA
17	2x4x8 S4S	1	EA
18	2x4x8 S4S	1	EA
19	2x4x8 S4S	1	EA
20	2x4x8 S4S	1	EA
21	2x4x8 S4S	1	EA
22	2x4x8 S4S	1	EA

ITEM	DESCRIPTION	QUANTITY	UNIT
1	2x4x8 S4S	1	EA
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3	2x4x8 S4S	1	EA
4	2x4x8 S4S	1	EA
5	2x4x8 S4S	1	EA
6	2x4x8 S4S	1	EA
7	2x4x8 S4S	1	EA
8	2x4x8 S4S	1	EA
9	2x4x8 S4S	1	EA
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17	2x4x8 S4S	1	EA
18	2x4x8 S4S	1	EA
19	2x4x8 S4S	1	EA
20	2x4x8 S4S	1	EA
21	2x4x8 S4S	1	EA
22	2x4x8 S4S	1	EA

WIND LOAD VS ANCHOR SPACING



- 1) CONCRETE BACKUP
HILL TO KAY 2017 II
EXPANSION ANCHOR
3/8" DIA.
1-5/8" EMBEDMENT
- 2) CONCRETE BACKUP
HILL TO KAY 2017 II
EXPANSION ANCHOR
3/8" DIA.
1-5/8" EMBEDMENT
- 3) CONCRETE BACKUP
HILL TO KAY 2017 II
EXPANSION ANCHOR
3/8" DIA.
1-5/8" EMBEDMENT
- 4) CONCRETE BACKUP
HILL TO KAY 2017 II
EXPANSION ANCHOR
3/8" DIA.
1-5/8" EMBEDMENT
- 5) CONCRETE BACKUP
HILL TO KAY 2017 II
EXPANSION ANCHOR
3/8" DIA.
1-5/8" EMBEDMENT
- 6) CONCRETE BACKUP
HILL TO KAY 2017 II
EXPANSION ANCHOR
3/8" DIA.
1-5/8" EMBEDMENT
- 7) CONCRETE BACKUP
HILL TO KAY 2017 II
EXPANSION ANCHOR
3/8" DIA.
1-5/8" EMBEDMENT
- 8) CONCRETE BACKUP
HILL TO KAY 2017 II
EXPANSION ANCHOR
3/8" DIA.
1-5/8" EMBEDMENT
- 9) CONCRETE BACKUP
HILL TO KAY 2017 II
EXPANSION ANCHOR
3/8" DIA.
1-5/8" EMBEDMENT
- 10) CONCRETE BACKUP
HILL TO KAY 2017 II
EXPANSION ANCHOR
3/8" DIA.
1-5/8" EMBEDMENT
- 11) CONCRETE BACKUP
HILL TO KAY 2017 II
EXPANSION ANCHOR
3/8" DIA.
1-5/8" EMBEDMENT
- 12) CONCRETE BACKUP
HILL TO KAY 2017 II
EXPANSION ANCHOR
3/8" DIA.
1-5/8" EMBEDMENT
- 13) CONCRETE BACKUP
HILL TO KAY 2017 II
EXPANSION ANCHOR
3/8" DIA.
1-5/8" EMBEDMENT
- 14) CONCRETE BACKUP
HILL TO KAY 2017 II
EXPANSION ANCHOR
3/8" DIA.
1-5/8" EMBEDMENT
- 15) CONCRETE BACKUP
HILL TO KAY 2017 II
EXPANSION ANCHOR
3/8" DIA.
1-5/8" EMBEDMENT
- 16) CONCRETE BACKUP
HILL TO KAY 2017 II
EXPANSION ANCHOR
3/8" DIA.
1-5/8" EMBEDMENT
- 17) CONCRETE BACKUP
HILL TO KAY 2017 II
EXPANSION ANCHOR
3/8" DIA.
1-5/8" EMBEDMENT
- 18) CONCRETE BACKUP
HILL TO KAY 2017 II
EXPANSION ANCHOR
3/8" DIA.
1-5/8" EMBEDMENT
- 19) CONCRETE BACKUP
HILL TO KAY 2017 II
EXPANSION ANCHOR
3/8" DIA.
1-5/8" EMBEDMENT
- 20) CONCRETE BACKUP
HILL TO KAY 2017 II
EXPANSION ANCHOR
3/8" DIA.
1-5/8" EMBEDMENT
- 21) CONCRETE BACKUP
HILL TO KAY 2017 II
EXPANSION ANCHOR
3/8" DIA.
1-5/8" EMBEDMENT
- 22) CONCRETE BACKUP
HILL TO KAY 2017 II
EXPANSION ANCHOR
3/8" DIA.
1-5/8" EMBEDMENT
- 23) CONCRETE BACKUP
HILL TO KAY 2017 II
EXPANSION ANCHOR
3/8" DIA.
1-5/8" EMBEDMENT
- 24) CONCRETE BACKUP
HILL TO KAY 2017 II
EXPANSION ANCHOR
3/8" DIA.
1-5/8" EMBEDMENT

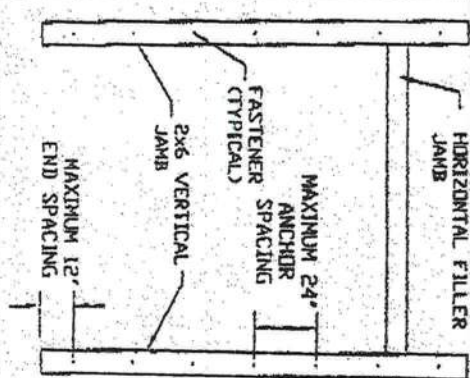
DESIGN (LBS) X GARAGE DOOR AREA (WIDTH-FT X HEIGHT-FT) = WIND LOAD (LBS)

LOAD

EXAMPLE

- 30 LBS X 16 FT WIDE X 8 FT HIGH = 3840 LBS
- 1) USE 22" SPACING
- 2) USE 21" SPACING
- 3) USE 19" SPACING
- 4) USE 16" SPACING
- 5) USE 10" SPACING
- 6) USE 10" SPACING
- 7) USE 10" SPACING
- 8) USE 10" SPACING
- 9) USE 10" SPACING
- 10) USE 10" SPACING
- 11) USE 10" SPACING
- 12) USE 10" SPACING
- 13) USE 10" SPACING
- 14) USE 10" SPACING
- 15) USE 10" SPACING
- 16) USE 10" SPACING
- 17) USE 10" SPACING
- 18) USE 10" SPACING
- 19) USE 10" SPACING
- 20) USE 10" SPACING
- 21) USE 10" SPACING
- 22) USE 10" SPACING
- 23) USE 10" SPACING
- 24) USE 10" SPACING

SEE NOTE 11 FOR ADDITIONAL
REQUIRED 2X6 WOOD JAMB ANCHORS



MAXIMUM 24"
ANCHOR
SPACING
(TYPICAL)

2X6 VERTICAL
JAMB

MAXIMUM 12"
END SPACING

PROFESSIONAL
SEAL
PE NO. 024280
NORTH CAROLINA
ENGINEER
MAGNET R. KEYVAN

3/8/2002

2X6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

2X6 PRESSURE TREATED (GRADE #2 OR BETTER SOUTHERN PINE) WOOD JAMB SHALL BE ANCHORED TO BUILDING WOOD FRAME, GROUTED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS.

NOTES:

- 1) ALL DOOR OPENING SURROUNDING STRUCTURE TO BE DESIGNED BY REGISTERED ENGINEER OR ARCHITECT WITH DUE CONSIDERATION GIVEN TO INSTALLATIONS USING CENTER "HURRICANE" POSTS.
- 2) ALL DOOR OPENING STRUCTURE AND FASTENERS TO COMPLY WITH ALL APPLICABLE CODES INCLUDING SBCI STANDARD FOR HURRICANE RESISTANT RESIDENTIAL CONSTRUCTION SSB 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 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 16' 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.

GENERAL AMERICAN DOOR COMPANY	
3020 BASSETT ROAD	
MONTGOMERY, IL 60538	
DATE: 8-30-93	DESIGNED BY: DIV
REVISIONS:	NOV 93
JAMB TO STRUCTURE ATTACHMENT	
FOR WIND LOADED GARAGE DOORS	
DATE: 11/05/60	DESIGNED BY: DIV



DOOR DATA

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2538

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 375-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Premdor Entry Systems
911 E. Jefferson, P.O. Box 76
Pittsburgh, KS 66762.

Your application for Notice of Acceptance (NOA) of:
Entergy 6-8 S-W/E Inswing Opaque Double w/sidelites Residential Insulated Steel Door
under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 01-0314.24
EXPIRES: 04/02/2006

Raul Rodriguez
Chief Product Control Division

THIS IS THE COVERSHEET. SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL
CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 06/05/2001



MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Premdor Entry Systems
911 E. Jefferson, P.O. Box 76
Pittsburgh, KS 66762

Your application for Notice of Acceptance (NOA) of:
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The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 01-0314.18
EXPIRES: 04/02/2006

Raul Rodriguez
Chief Product Control Division

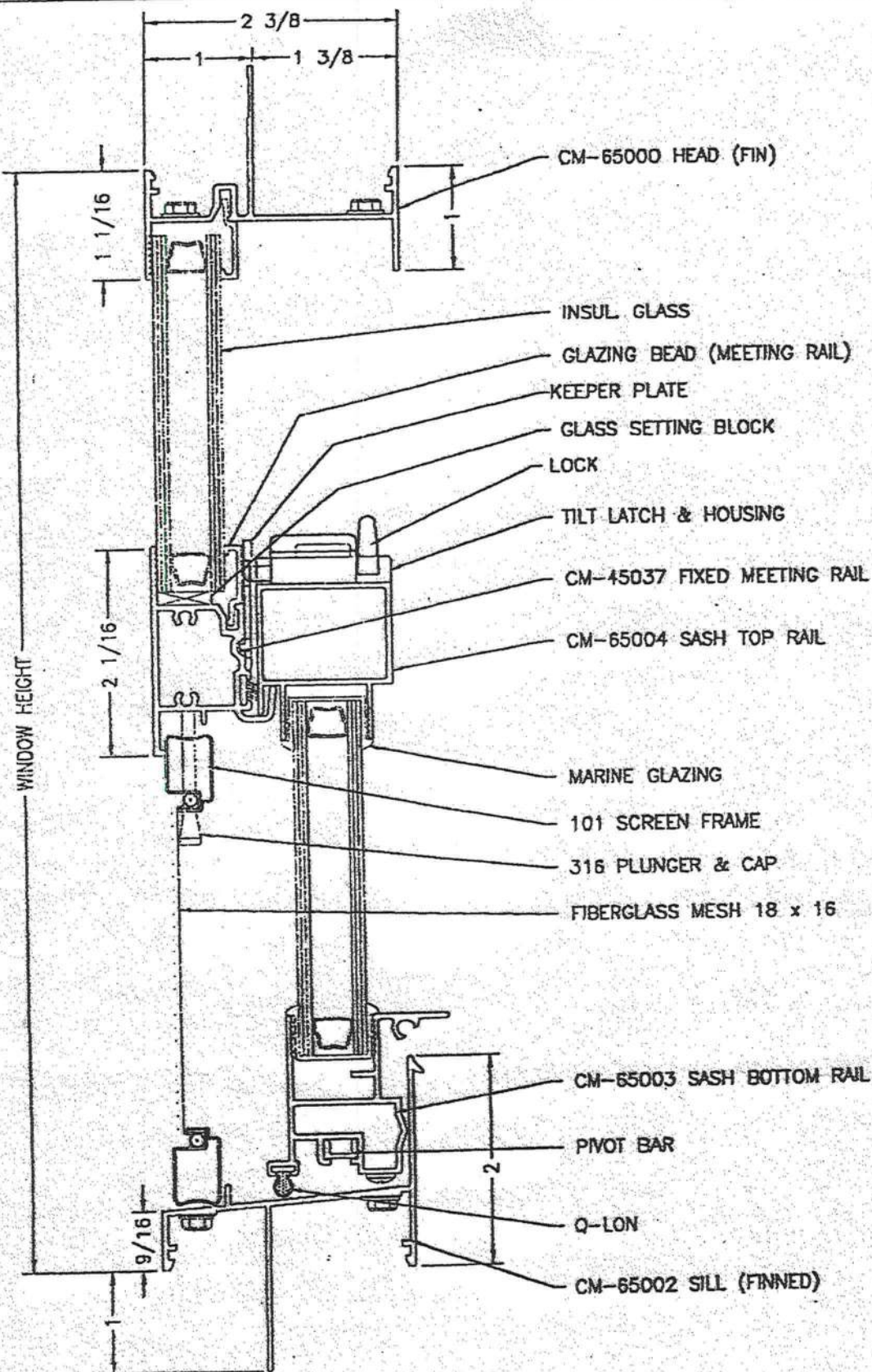
THIS IS THE COVERSHEET. SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL CONDITIONS BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 06/05/2001

650-AS1 A



MI HOME PRODUCTS
 650 WEST MARKET STREET • CRATZ, PA • 17030-0370

TITLE

650 SH FIN MAIN FRAME
 VERTICAL CROSS SECTION

DATE
 V.M.R.

DATE

4-7-92

SCALE

FULL

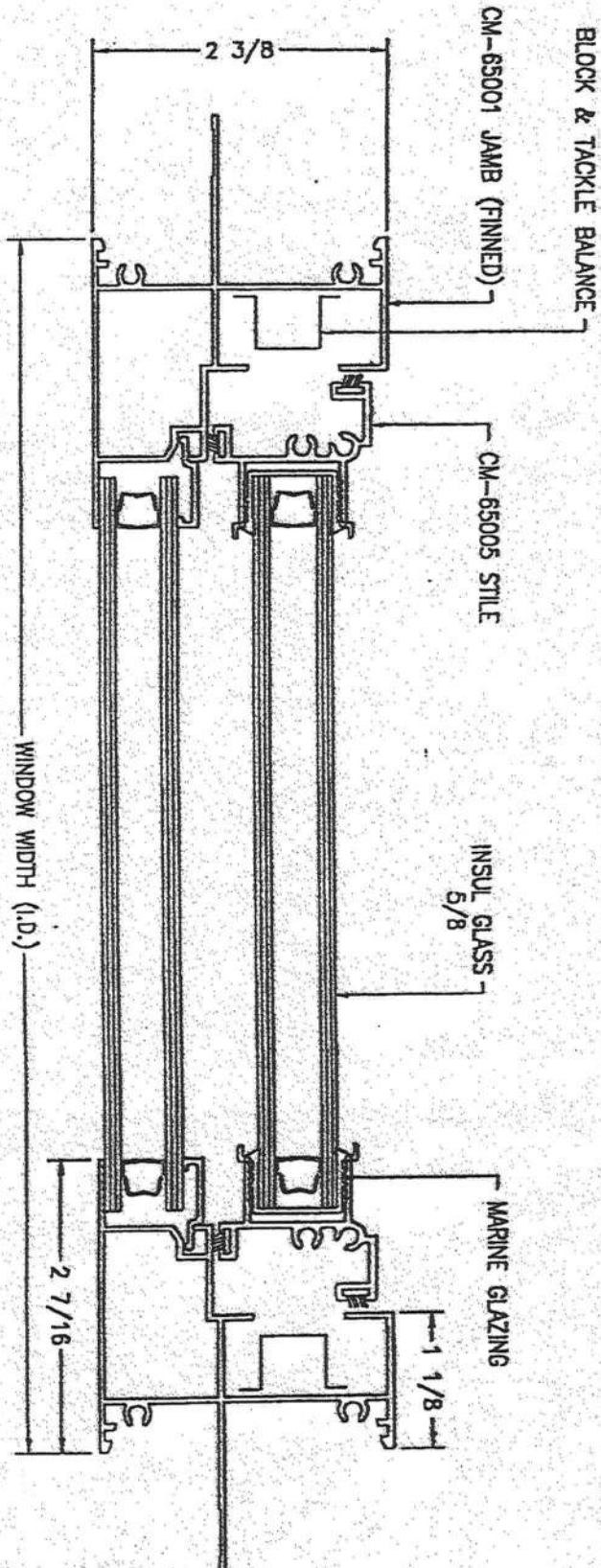
DRAW. NO.

650-AS1

REV.

A

DATE	DESCRIPTION	BY	DATE

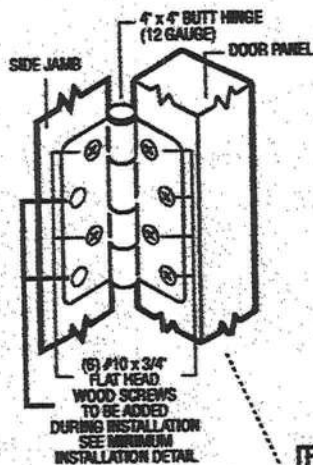


650-AS2 B

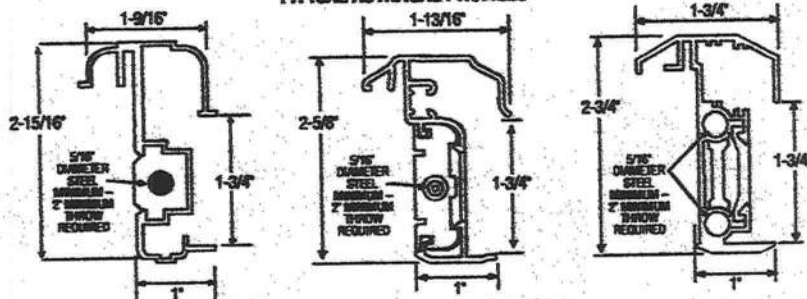
MI HOME PRODUCTS	
650 WEST MARKET STREET • GRANT, PA • 17030-0070	
650 SH FIN MAIN FRAME INSULATED GLASS HORIZONTAL CROSS SECTION	
DATE	4-7-02
REV	FULL
DATE	650-AS2
REV	B

OUTSWING UNITS WITH DOUBLE DOOR

TYPICAL HINGE ATTACHMENT



TYPICAL ASTRAGAL PROFILES



ALUMINUM EXTRUDED ASTRAGAL (0.08\"/>

TYPICAL HEADER & SIDE JAMB ATTACHMENT

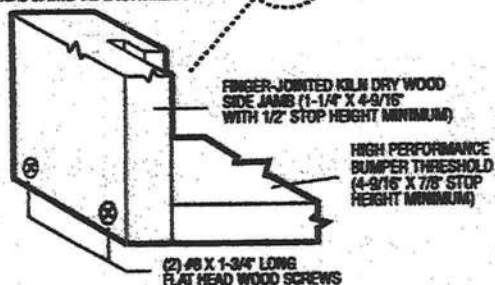
FINGER-JOINTED KILN DRY WOOD
FRAME HEADER (1-1/4\"/>

(3) 2\"/>

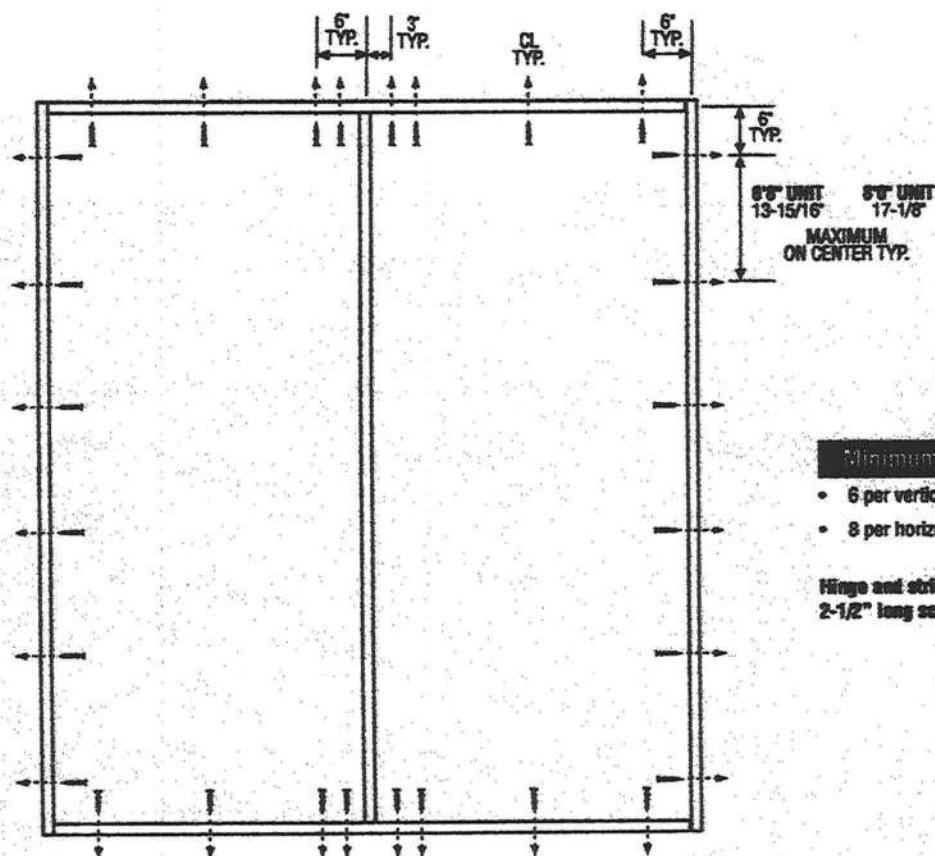
FINGER-JOINTED
KILN DRY WOOD
SIDE JAMB
(1-1/4\"/>

(3) FOR 7'0\"/>

TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT



DOUBLE DOOR



Minimum Fastener Count

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

Hinge and strike plates require two 2-1/2\"

Latching Hardware:

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

Notes:

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

March 29, 2002

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



Exclusively from
Masonite
Masonite International Corporation

Residential System Sizing Calculation

Summary

Spec House

Project Title:
Aaron Simque Homes - Lot 24 Spec

Lake City, FL 32025-

Class 3 Rating
Registration No. 0
Climate: North

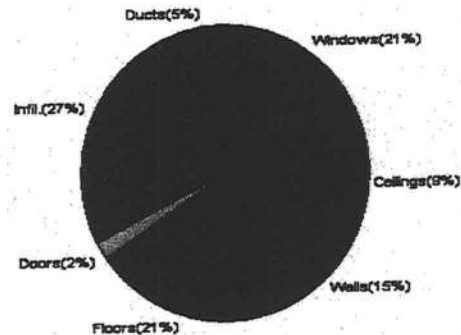
9/6/2005

Location for weather data: Gainesville - User customized: Latitude(29) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(51gr.)			
Winter design temperature	31 F	Summer design temperature	99 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	39 F	Summer temperature difference	24 F
Total heating load calculation	25982 Btuh	Total cooling load calculation	31719 Btuh
Submitted heating capacity	31000 Btuh	Submitted cooling capacity	31000 Btuh
Submitted as % of calculated	119.3 %	Submitted as % of calculated	97.7 %

WINTER CALCULATIONS

Winter Heating Load (for 1545 sqft)

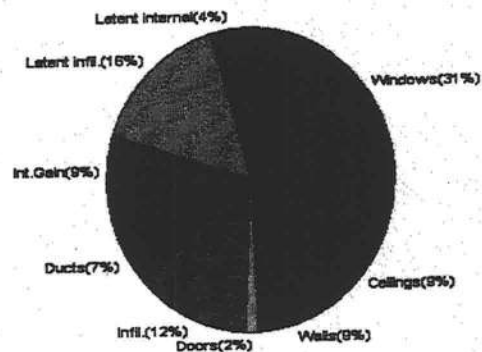
Load component		Load	
Window total	192 sqft	5434	Btuh
Wall total	1331 sqft	3832	Btuh
Door total	38 sqft	536	Btuh
Ceiling total	1889 sqft	2456	Btuh
Floor total	171 ft	5404	Btuh
Infiltration	165 cfm	7084	Btuh
Subtotal		24745	Btuh
Duct loss		1237	Btuh
TOTAL HEAT LOSS		25982	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1545 sqft)

Load component		Load	
Window total	192 sqft	9917	Btuh
Wall total	1331 sqft	2818	Btuh
Door total	38 sqft	492	Btuh
Ceiling total	1889 sqft	2985	Btuh
Floor total		0	Btuh
Infiltration	144 cfm	3814	Btuh
Internal gain		3000	Btuh
Subtotal(sensible)		23026	Btuh
Duct gain		2303	Btuh
Total sensible gain		25328	Btuh
Latent gain(infiltration)		5011	Btuh
Latent gain(internal)		1380	Btuh
Total latent gain		6391	Btuh
TOTAL HEAT GAIN		31719	Btuh



EnergyGauge® System Sizing based on ACCA Manual J.
PREPARED BY: _____
DATE: _____

System Sizing Calculations - Winter

Residential Load - Component Details

Spec House

Project Title:
Aaron Simque Homes - Lot 24 Spec

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL 32025-

Reference City: Gainesville (User customized) Winter Temperature Difference: 39.0 F

9/6/2005

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	W	75.0	28.3	2122 Btuh
2	2, Clear, Metal, DEF	W	40.0	28.3	1132 Btuh
3	2, Clear, Metal, DEF	N	4.0	28.3	113 Btuh
4	2, Clear, Metal, DEF	E	15.0	28.3	424 Btuh
5	2, Clear, Metal, DEF	E	30.0	28.3	849 Btuh
6	2, Clear, Metal, DEF	S	4.0	28.3	113 Btuh
7	2, Clear, Metal, DEF	S	20.0	28.3	566 Btuh
8	2, Clear, Metal, DEF	S	4.0	28.3	113 Btuh
Window Total			192		5434 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1135	3.1	3518 Btuh
2	Frame - Adjacent	13.0	196	1.6	314 Btuh
Wall Total			1331		3832 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		20	18.3	367 Btuh
2	Insulated - Adjac		18	9.4	169 Btuh
Door Total			38		536 Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	1889	1.3	2456 Btuh
Ceiling Total			1889		2456 Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	171.0 ft(p)	31.6	5404 Btuh
Floor Total			171		5404 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.80	12360(sqft)	165	7084 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				165	7084 Btuh

Totals for Heating	Subtotal	24745 Btuh
	Duct Loss(using duct multiplier of 0.05)	1237 Btuh
	Total Btuh Loss	25982 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)

System Sizing Calculations - Summer

Residential Load - Component Details

Spec House

Project Title:
Aaron Simque Homes - Lot 24 Spec

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL 32025-

Reference City: Gainesville (User customized) Summer Temperature Difference: 24.0 F 9/6/2005

Window	Type	Panes/SHGC/U/InSh/ExSh Ornt	Overhang		Window Area(sqft)			HTM		Load	
	Len		Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded			
1	2, Clear, DEF, N, N	W	1.5	6	75.0	15.6	59.4	25	74	4787	Btuh
2	2, Clear, DEF, N, N	W	13.8	7.66	40.0	40.0	0.0	25	74	1000	Btuh
3	2, Clear, DEF, N, N	N	1.5	2	4.0	0.0	4.0	25	25	100	Btuh
4	2, Clear, DEF, N, N	E	1.5	6	15.0	0.0	15.0	25	74	1110	Btuh
5	2, Clear, DEF, N, N	E	1.5	8	30.0	0.0	30.0	25	74	2220	Btuh
6	2, Clear, DEF, N, N	S	1.5	2	4.0	4.0	0.0	25	39	100	Btuh
7	2, Clear, DEF, N, N	S	1.5	6	20.0	20.0	0.0	25	39	500	Btuh
8	2, Clear, DEF, N, N	S	1.5	2	4.0	4.0	0.0	25	39	100	Btuh
Window Total					192					9917 Btuh	
Walls	Type	R-Value			Area			HTM		Load	
	1	Frame - Exterior	13.0			1135.0			2.2		2520 Btuh
2	Frame - Adjacent	13.0			196.0			1.5		298 Btuh	
Wall Total					1331.0					2818 Btuh	
Doors	Type				Area			HTM		Load	
	1	Insulated - Exter				20.0			12.9		259 Btuh
2	Insulated - Adjac				18.0			12.9		233 Btuh	
Door Total					38.0					492 Btuh	
Ceilings	Type/Color	R-Value			Area			HTM		Load	
	1	Under Attic/Dark	30.0			1889.0			1.6		2985 Btuh
Ceiling Total					1889.0					2985 Btuh	
Floors	Type	R-Value			Size			HTM		Load	
	1	Slab-On-Grade Edge Insulation	0.0			171.0 ft(p)			0.0		0 Btuh
Floor Total					171.0					0 Btuh	
Infiltration	Type	ACH			Volume			CFM=		Load	
	Natural	0.70			12360			144.5		3814 Btuh	
	Mechanical							0		0 Btuh	
Infiltration Total								144		3814 Btuh	
Internal gain	Occupants			Btuh/occupant			Appliance		Load		
	6			X 300 +			1200		3000 Btuh		

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:

Aaron Simque Homes - Lot 24 Spec

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL 32025-

9/6/2005

Totals for Cooling	Subtotal	23026 Btuh
	Duct gain(using duct multiplier of 0.10)	2303 Btuh
	Total sensible gain	25328 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	5011 Btuh
	Latent occupant gain (6 people @ 230 Btuh per person)	1380 Btuh
	Latent other gain	0 Btuh
	TOTAL GAIN	31719 Btuh

Key: Window types (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/Daperies(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)

