DATE 06/30/2008

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000027131

APPLICANT THEODORE BROCK PHONE 904.296.1490

ADDRESS 6800 SOUTHPOINT PKWY.# 300 JACKSONVILLE FL 32216

OWNER MARONDA HOMES INC. OF FL PHONE 904.296.1490

ADDRESS 277 SW TIMBER RIDGE DRIVE LAKE CITY FL 32024

CONTRACTOR THEODORE BROCK PHONE 904.296.1490

LOCATION OF PROPERTY 90-W TO SR. 247-S,TL TO C-252-B,TR TO TIMBER RIDGE,TL
8TH LOT ON R.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 158350.00

HEATED FLOOR AREA 3167.00 TOTAL AREA 3167.00 HEIGHT 25.00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 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 XPP DEVELOPMENT PERMIT NO.

PARCEL ID 10-4S-16-02856-108 SUBDIVISION TIMBERLANDS

LOT 8 BLOCK PHASE 1 UNIT TOTAL ACRES 0.50

000001626		CBC1256382		
Culvert Permit No.	Culvert Waiver	Contractor's License Number		Applicant/Owner/Contractor
18"X32'MITERED	08-403	BLK	WR	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: ELEVATION CONFIRMATION LETTER REQUIRED. MFE @ 100.00'.

Check # or Cash 910487

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ date/app. by Foundation _____ date/app. by Monolithic _____ date/app. by

Under slab rough-in plumbing _____ date/app. by Slab _____ date/app. by Sheathing/Nailing _____ date/app. by

Framing _____ date/app. by Rough-in plumbing above slab and below wood floor _____ date/app. by

Electrical rough-in _____ date/app. by Heat & Air Duct _____ date/app. by Peri. beam (Lintel) _____ date/app. by

Permanent power _____ date/app. by C.O. Final _____ date/app. by Culvert _____ date/app. by

M/H tie downs, blocking, electricity and plumbing _____ date/app. by Pool _____ date/app. by

Reconnection _____ date/app. by Pump pole _____ date/app. by Utility Pole _____ date/app. by

M/H Pole _____ date/app. by Travel Trailer _____ date/app. by Re-roof _____ date/app. by

BUILDING PERMIT FEE $ 795.00 CERTIFICATION FEE $ 15.84 SURCHARGE FEE $ 15.84

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

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ 25.00 **TOTAL FEE** 926.68

INSPECTORS OFFICE CH CLERKS OFFICE

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

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

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

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

LEGAL DESCRIPTION:

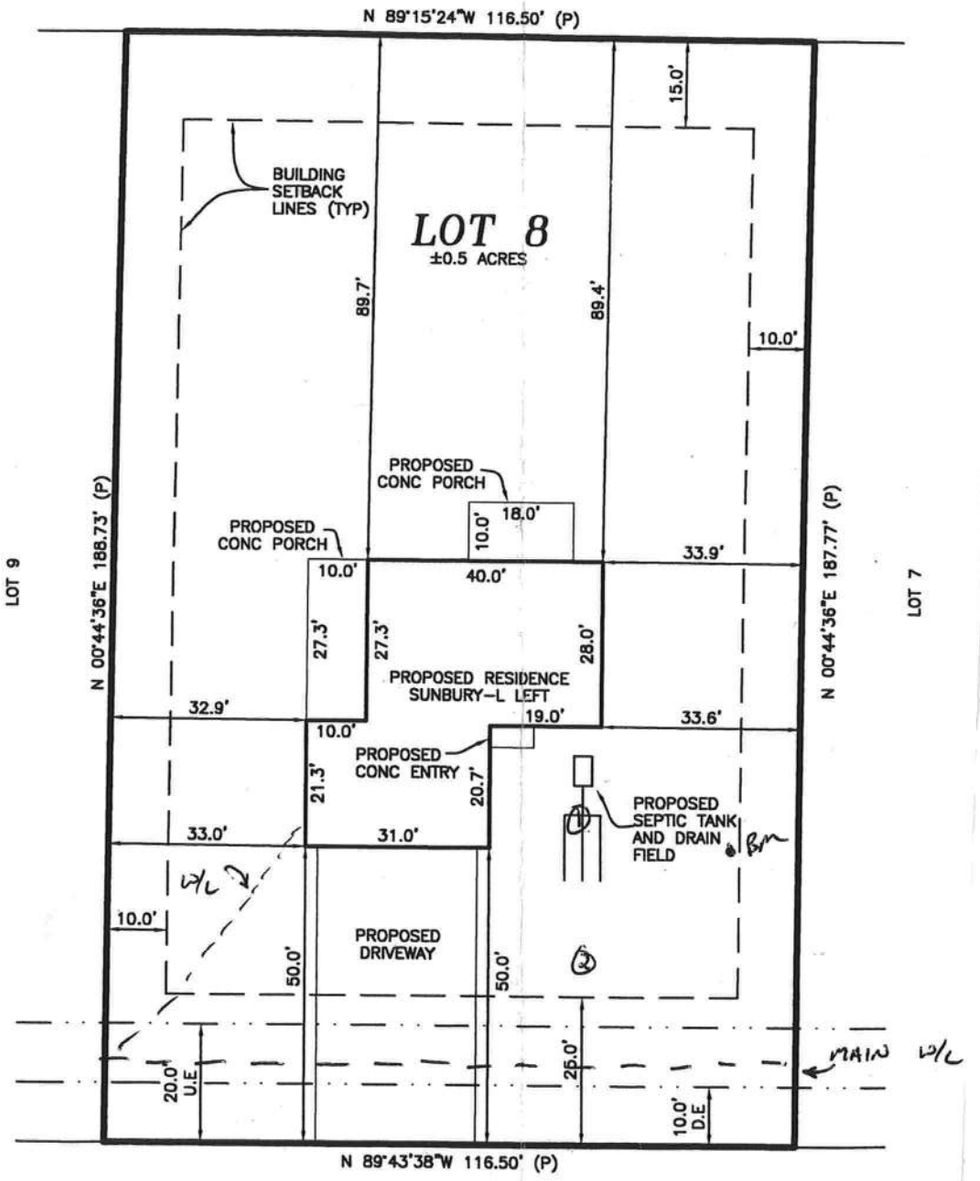
LOT EIGHT (8) OF "TIMBERLANDS" AS PER PLAT THEREOF, AS RECORDED IN PLAT BOOK '9', PAGE 27 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

PROPOSED BUILDING LAYOUT

IN SECTION 10, TOWNSHIP 4 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA

30 0 30

1" = 30'



S.W TIMBER RIDGE DRIVE

60' RIGHT-OF-WAY

CERTIFIED TO:

MARONDA HOMES

UILDING SETBACK NOTE:

UILDING SETBACK INFORMATION FOR IMBERLANDS" IS AS FOLLOWS: FRONT 5', REAR 15', SIDE 10'

APPROVED

Columbia CHD

SURVEYOR NOTES:

TO THE BEST OF MY KNOWLEDGE, THERE ARE NO ENCROACHMENTS, BOUNDARY LINE DISPUTES, EASEMENTS, OR CLAIMS OF EASEMENTS, OTHER THAN ARE DEPICTED ON THIS DRAWING.

ALL UTILITIES AND OR IMPROVEMENTS, IF ANY, MAY NOT BE SHOWN ON THIS DRAWING.

IN THE OPINION OF THIS SURVEYOR THE BOUNDARY SHOWN HEREON BEST REPRESENTS THE LOCATION OF THE SUBJECT PROPERTY IN RELATION TO THE DESCRIPTION AND THOSE PROPERTY CORNERS FOUND TO BE ACCEPTABLE TO THIS SURVEYOR.

BUILDING SETBACK LINES DEPICTED HEREON ARE SHOWN AS PER THE RECORD PLAT, BUT ARE SUBJECT

FLOOD NOTE:

LEGEND:

- ● = FOUND 1/2" REBAR NO IDENTIFICATION
- ⊙ = FOUND 1/2" REBAR & CAP L.B. 6894
- ○ = SET 1/2" REBAR & CAP L.B. 6894
- ⌀ = FOUND 3/4" IRON PIPE
- ■ = FOUND 4" X 4" CONC. MON. NO IDENTIFICATION
- □ = SET 4" X 4" CONC. MON. P.S.M. 5582
- ✕ = SET NAIL & DISK P.S.M. 5582
- ✕ = FOUND NAIL & DISK
- ⊠ = FOUND 6" X 6" S.R.D. R/W MON.
- ⊟ = CATV RISER
- ⊡ = TELEPHONE PEDESTAL
- ⌀ = WOOD POWER POLE

ABBREVI

A/C = AIR
ASPH = ASP
C = CAL
CATV = CAB
C/B = CON
CLF = CHA
CM = CON
CONC = CON
ELEC = ELE
ELEV = ELE
FND = FOU
FNC = FEN
LB = LICE
(M) = FIEL
MH = MAN
O.U. = OVE
P = PLA
PB = PLA
P.U.E. = PUE
TRANS = TRA
TYP = TYP
WM = WAT
WV = WAT

THIS IS NOT A BOUND CERTIFICATE OF SURVE

NOT VALID WITHOUT THE SIGNATURE AND TH A FLORIDA LICENSED SURVEYOR AND MAPPE TO THIS MAP BY ANYONE OTHER THAN THIS

I HEREBY CERTIFY THAT THE SURVEY DATA TRUE AND CORRECT REPRESENTATION OF A MY SUPERVISION OF THE HEREON DESCRIBE THE MINIMUM TECHNICAL STANDARDS AS SE BOARD OF LAND SURVEYORS, PURSUANT TO STATUTES, AND CHAPTER 61G17-6, FLORIDA

BY: James E. Brinkman

JAMES E. BRINKMAN, PSM - FLA. CERT# 5

DATE: 5/20/08

BRINKMAN SURVEYING &

4607 NW 6th STREET SUITE C, GAI

Maronda Systems

Maronda Systems 4005 Maronda Way Sanford FL 32771 (407) 321-0064 Fax (407) 321-3913
Engineer/Architect of Record: Tomas Ponce, P.E. 367 Medallion PL. Chuluota, Fl. 32766 FL PE # 50068,
Design Criteria: TPI Design: Matrix Analysis MiTek software

PLAN JOB #	LOT	ADDRESS	DIV/SUB	MODEL
9TM00801	8-1	277 SW TIMBER RIDGE DR	JAX-9TM	SUNL3 LEFT

SUNBURY L

This structure was designed in accordance with, and meets the requirements of TPI standards and the FLORIDA 2004 BUILDING CODE for 125 M.P.H. Wind Zone. Truss loading is in accordance with ASCE 7-02. These trusses are designed for an enclosed building.

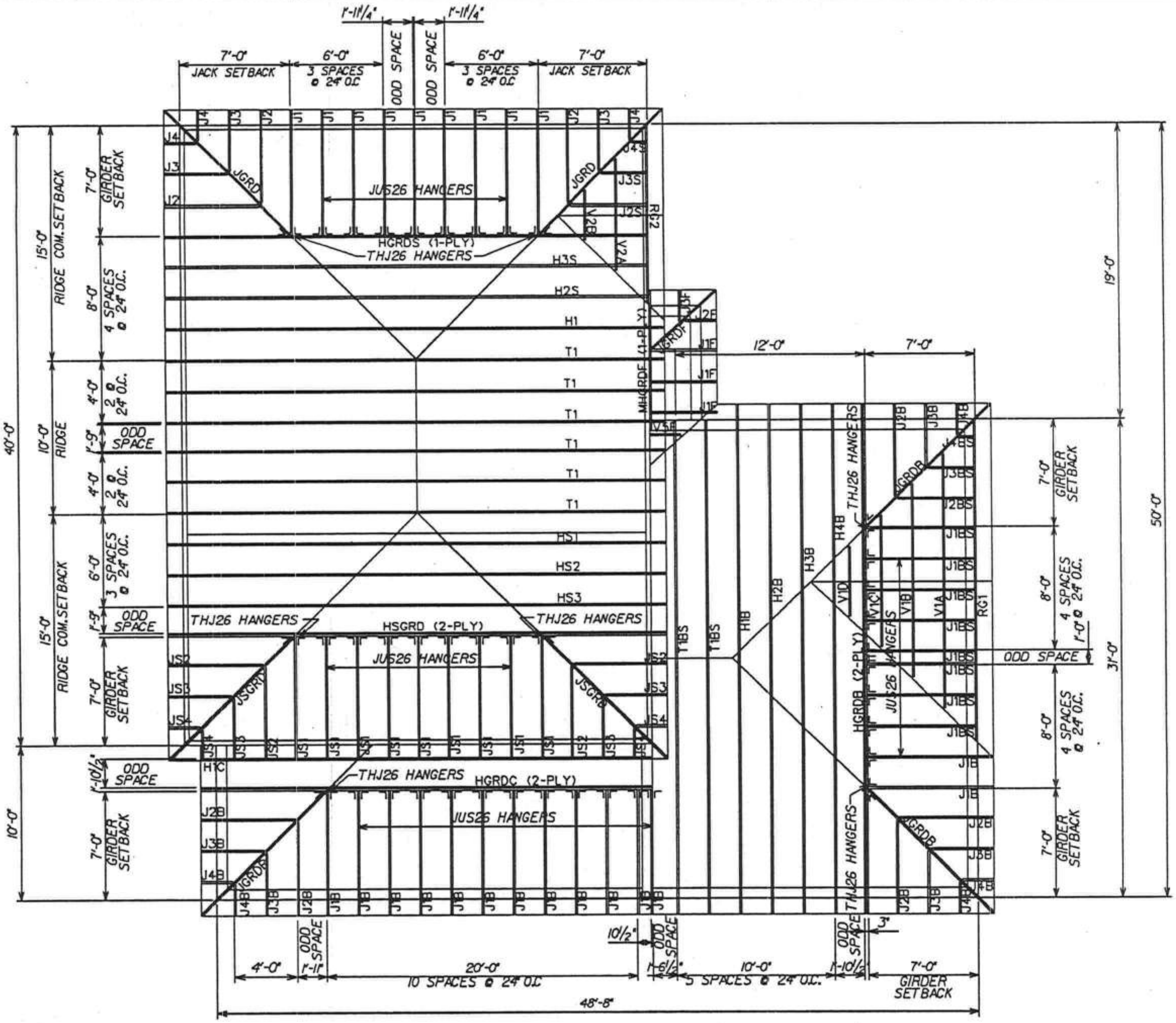
The Truss Engineering package for the above referenced site was generated by the Truss Designer/Architect/MiTek/Trenco.
I, Tomas Ponce, P.E. the Architect/Engineer of Record for the above referenced lot Have reviewed the package and confirmed that it matches the physical and structural Parameters found on the set of permit drawings.

Truss ID	Run Date	Drawing Reviewed	Truss ID	Run Date	Drawing Reviewed
Layout	11/08/07	01/23/08	JGRDB	12/27/07	01/23/08
V	07/27/05	01/23/08	JGRDF	12/27/07	01/23/08
HIP	11/02/06	01/23/08	JS1	12/27/07	01/23/08
H1	12/27/07	01/23/08	JS2	12/27/07	01/23/08
H1B	12/27/07	01/23/08	JS3	12/27/07	01/23/08
H1C	12/27/07	01/23/08	JS4	12/27/07	01/23/08
H2S	12/27/07	01/23/08	JSGRD	12/27/07	01/23/08
H2B	12/27/07	01/23/08	MHGRDF	12/27/07	01/23/08
H3S	12/27/07	01/23/08	RG1	12/27/07	01/23/08
H3B	12/27/07	01/23/08	RG2	12/27/07	01/23/08
H4B	12/27/07	01/23/08	T1	12/27/07	01/23/08
HGRDS	12/27/07	01/23/08	T1BS	12/27/07	01/23/08
HGRDB	12/27/07	01/23/08	V1A	12/27/07	01/23/08
HGRDC	12/27/07	01/23/08	V1B	12/27/07	01/23/08
HS1	12/27/07	01/23/08	V1C	12/27/07	01/23/08
HS2	12/27/07	01/23/08	V1D	12/27/07	01/23/08
HS3	12/27/07	01/23/08	V2A	12/27/07	01/23/08
HSGRD	12/27/07	01/23/08	V2B	12/27/07	01/23/08
J1	12/27/07	01/23/08			
J1B	12/27/07	01/23/08	Floor Layout	09/26/07	01/23/08
J1BS	12/27/07	01/23/08	FA	01/15/08	01/23/08
J1F	12/27/07	01/23/08	FB	01/15/08	01/23/08
J2	12/27/07	01/23/08	FC	01/15/08	01/23/08
J2B	12/27/07	01/23/08	FD	01/15/08	01/23/08
J2BS	12/27/07	01/23/08	FE	01/15/08	01/23/08
J2F	12/27/07	01/23/08			
J2S	12/27/07	01/23/08			
J3	12/27/07	01/23/08	**INV #**	**DESC**	**QNTY**
J3B	12/27/07	01/23/08	**50060.0114**	**THD48**	
J3BS	12/27/07	01/23/08	**50060.0047**	**THD28**	
J3F	12/27/07	01/23/08	**50060.0110**	**JUS26**	**32**
J3S	12/27/07	01/23/08	**50060.0058**	**THJ26**	**7**
J4	12/27/07	01/23/08	**50060.0049**	**THD28-2**	
J4B	12/27/07	01/23/08			
J4BS	12/27/07	01/23/08			
J4S	12/27/07	01/23/08	**SEAT PLATES**		**70**
JGRD	12/27/07	01/23/08	**FLOOR SEAT PLATES**		**29**

No. of Eng. Dwgs:	60
Roof Loads-	
TC Live:	16.0 psf
TC Dead:	7.0 psf
BC Live:	10.0 psf
BC Dead:	10.0 psf
Total	43.0 psf
DurFac- Lbr:	1.25
DurFac- Plt:	1.25
O.C. Spacing:	24.0"
Floor Loads-	
TC Live:	40.0 psf
TC Dead:	10.0 psf
BC Live:	0.0 psf
BC Dead:	5.0 psf
Total	55.0 psf
DurFac- Lbr:	1.00
DurFac- Plt:	1.00
O.C. Spacing:	24.0"

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

DATE: MAY 0 5 2008



HARDWARE LEGEND

1. HUS26
2. HUS28
3. JUS26
4. MP6F
5. MPA1 & MPA1F
6. SKH26 L/R
7. SKHH26 L/R
8. SUS26
9. SUS28
10. THD26
11. THD28
12. THD28-2
13. THDH28-3
14. THD48
15. THJ26**
16. LTW12

HARDWARE MANUFACTURED BY USP
* HARDWARE MANUFACTURED BY SIMPSON
** HARDWARE MANUFACTURED BY CLEVELAND

MAY 0 5 2008

SUNBURY ELEVATION "L" - FL

GARAGE : LEFT

Maronda Homes

DESIGNER: DRAWN BY: K WARD
CHECKER: MIKE

SCALE: 1/8" = 1'-0"
DATE: 11/08/2007

LOADING-FBC2004/TPI2002

TC LIVE	16.00	SNOW LOAD	0.00
TC DEAD	7.00	LUMBER DOL	1.25
BC LIVE	10.00	PLATE DOL	1.25
BC DEAD	10.00	WIND	125
TOTAL	43.00	SPACING	2'-0"

MITEK 2000 LAYOUT SYSTEM
1.800.648.3587 · miteksupport@mii.com

WARNING! BCSI-B1 SUMMARY SHEET - GUIDE FOR HA

GENERAL NOTES

Trusses are not marked in any way to identify the frequency or location of temporary lateral restraint and diagonal bracing. Follow the recommendations for handling, installing and temporary restraining and bracing of trusses. Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for more detailed information.

Truss Design Drawings may specify locations of permanent lateral restraint or reinforcement for individual truss members. Refer to the BCSI-B3 Summary Sheet – Permanent Restraint/Bracing of Chords & Web Members for more information. All other permanent bracing design is the responsibility of the Building Designer.

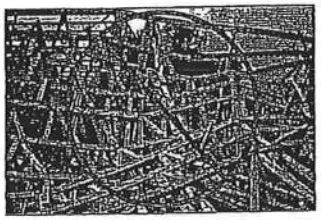
NOTAS GENERALES

Los trusses no están marcados de ningún modo que identifique la frecuencia o localización de restricción lateral y arriostre diagonal temporales. Use las recomendaciones de manejo, instalación, restricción y arriostre temporal de los trusses. Vea el folleto BCSI Guía de Buena Práctica para el Manejo, Instalación, Restricción y Arriostre de los Trusses de Madera Conectados con Placas de Metal para información más detallada.

Los dibujos de diseño de los trusses pueden especificar las localizaciones de restricción lateral permanente o refuerzo en los miembros individuales del truss. Vea la hoja resumen BCSI-B3 – Restricción/Arriostre Permanente de Cuerdas y Miembros Secundarios para más información. El resto de los diseños de arriostres permanentes son la responsabilidad del Diseñador del Edificio.

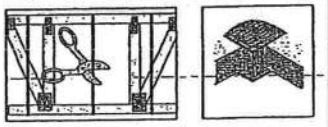
⚠ The consequences of improper handling, erecting, installing, restraining and bracing can result in a collapse of the structure, or worse, serious personal injury or death.

El resultado de un manejo, levantamiento, instalación, restricción y arrisotre incorrecto puede ser la caída de la estructura o aún peor, heridos o muertos.



⚠ Banding and truss plates have sharp edges. Wear gloves when handling and safety glasses when cutting banding.

Empaques y placas de metal tienen bordes afilados. Use guantes y lentes protectores cuando corte los empaques.

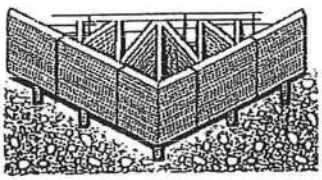


HANDLING — MANEJO

⚠ Avoid lateral bending. — Evite la flexión lateral.

⚠ The contractor is responsible for properly receiving, unloading and storing the trusses at the jobsite.

El contratista tiene la responsabilidad de recibir, descargar y almacenar adecuadamente los trusses en la obra.



☑ If trusses are to be stored horizontally, place blocking of sufficient height beneath the stack of trusses at 8' to 10' on center.

For trusses stored for more than one week, cover bundles to prevent moisture gain but allow for ventilation.

Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for more detailed information pertaining to handling and jobsite storage of trusses.

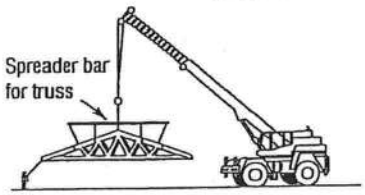
Si los trusses estarán guardados horizontalmente, ponga bloqueando de altura suficiente detrás de la pila de los trusses.

Para trusses guardados por más de una semana, cubra los paquetes para prevenir aumento de humedad pero permita ventilación.

Vea el folleto BCSI Guía de Buena Práctica para el Manejo, Instalación, Restricción y Arriostres de los Trusses de Madera Conectados con Placas de Metal para información más detallada sobre el manejo y almacenado de los trusses en área de trabajo.

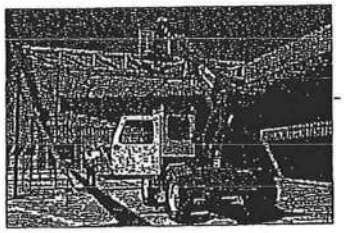
⚠ Use special care in windy weather or near power lines and airports.

Utilice cuidado especial en días ventosos o cerca de cables eléctricos o de aeropuertos.



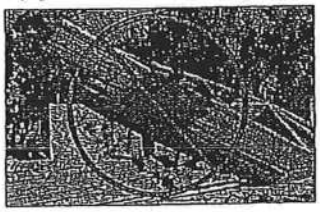
☑ Use proper rigging and hoisting equipment.

Use equipo apropiado para levantar e improvisar.



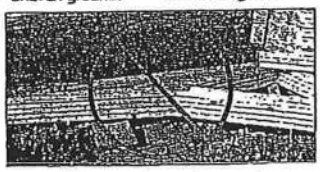
⊘ Do not store unbraced bundles upright.

No almacene verticalmente los trusses sueltos.



⊘ Do not store on uneven ground.

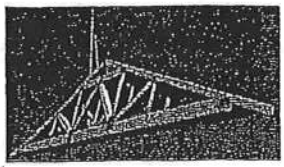
No almacene en tierra desigual.



HOISTING RECOMMENDATIONS FOR TRUSS BUNDLES
RECOMENDACIONES PARA LEVANTAR PAQUETES DE TRUSSES.

⚠ Warning! Don't overload the crane.
¡Advertencia! ¡No sobrecarga la grúa!

⊘ Never use banding alone to lift a bundle.
Do not lift a group of individually banded bundles.
Nunca use sólo los empaques para levantar un paquete.
No levante un grupo de empaques individuales.



☑ A single lift point may be used for bundles with trusses up to 45'.
Two lift points may be used for bundles with trusses up to 60'.
Usé at least 3 lift points for bundles with trusses greater than 60'.

Puede usar un solo lugar de levantar para paquetes de trusses hasta 45 pies.
Puede usar dos puntos de levantar para paquetes más de 60 pies.
Use por lo menos tres puntos de levantar para paquetes más de 60 pies.

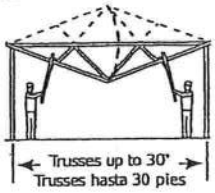
⚠ Warning! Do not over load supporting structure with truss bundle.
¡Advertencia! No sobrecargue la estructura apoyada con el paquete de trusses.

☑ Place truss bundles in stable position.
Puse paquetes de trusses en una posición estable.

INSTALLATION OF SINGLE TRUSSES BY HAND
INSTALACIÓN POR LA MANO DE TRUSSES INDIVIDUALES

☑ Trusses 20' or less, support at peak.
Levante del pico los trusses de 20 pies o menos.

☑ Trusses 30' or less, support at quarter points.
Levante de los cuartos de tramo los trusses de 30 pies o menos.



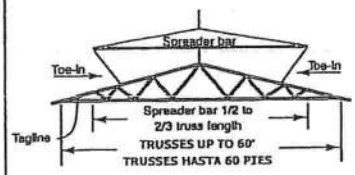
HOISTING OF SINGLE TRUSSES — LEVANTAMIENTO DE TRUSSES INDIVIDUALI

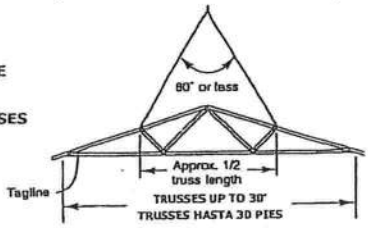
☑ Hold each truss in position with the erection equipment until top chord temporary lateral restraint is installed and the truss is fastened to the bearing points.

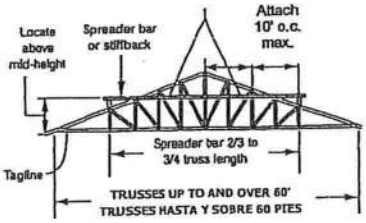
Sostenga cada truss en posición con equipo de grúa hasta que la restricción lateral temporal de la cuerda superior esté instalado y el truss está asegurado en los soportes.

⚠ Warning! Using a single pick-point at the peak can damage the truss.
¡Advertencia! El uso de un solo lugar para levantar en el pico puede hacer daño al truss.

HOISTING RECOMMENDATIONS FOR SINGLE TRUSSES
RECOMENDACIONES PARA LEVANTAR TRUSSES INDIVIDUALES



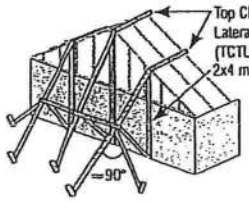




TEMPORARY RESTRAINT & BRACING
RESTRICCIÓN Y ARRIOSTRE TEMPORAL

⚠ Refer to BCSI-B2 Summary Sheet – Truss Installation & Temporary Restraint/Bracing for more information.

Vea el resumen BCSI B2 – Restricción/ Arriostre Temporal y Instalación de los Trusses para más información.

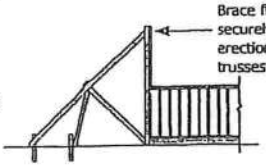


☑ Locate ground braces for first truss directly in line with all rows of top chord temporary lateral restraint (see table in the next column).

Coloque los arriostres de tierra para el primer truss directamente en línea con cada una de las filas de restricción lateral temporal de la cuerda superior (vea la table en la próxima columna).

⊘ Do not walk on unbraced trusses.

No camine en trusses sueltos.



ADVERTENCIA! HOJA RESUMEN DE LA GUÍA DE BUENA PRÁCTICA PAR

LING, INSTALLING, RESTRAINING AND BRACING OF TRUSSES (2006 EDITION)

TEPS TO SETTING TRUSSES
AS MEDIDAS DE LA INSTALLACIÓN DE LOS TRUSSES

1) Install ground bracing. 2) Set first truss and attach securely to ground bracing. 3) Set next 4 trusses with short member temporary lateral restraint (see below). 4) Install top chord diagonal bracing (see below). 5) Install web member plane diagonal bracing to stabilize the first five trusses (see below). 6) Install bottom chord temporary lateral restraint and diagonal bracing (see below). 7) Repeat process on groups of four trusses until all trusses are set.

1) Instale los arriostres de tierra. 2) Instale el primero truss y ate seguramente al arriostre de tierra. 3) Instale los próximos cuatro trusses con restricción lateral temporal de miembro corto (vea abajo). 4) Instale el arriostre diagonal de la cuerda superior (vea abajo). 5) Instale arriostre diagonal para los planos de los miembros secundarios para estable los primeros cinco trusses (vea abajo). 6) Instale la restricción lateral temporal y arriostre diagonal para la cuerda inferior (vea abajo). 7) Repita éste procedimiento en grupos de cuatro trusses hasta que todos los trusses estén instalados.

Refer to BCSI-B2 Summary Sheet – Truss Installation & Temporary Restraint/Bracing for more information.

Vea el resúmen BCSI-B2 - Instalación de Trusses y Arriostre Temporal para mayor información.

ESTRAINT/BRACING FOR ALL PLANES OF TRUSSES
- RESTRICCIÓN/ARRIOSTRE EN TODOS PLANOS DE TRUSSES.

This restraint & bracing method is for all trusses except 3x2 and 4x2 parallel chord trusses.

Este método de restricción y arriostre es para todo trusses excepto trusses de cuerdas paralelas 3x2 y 4x2.

) TOP CHORD — CUERDA SUPERIOR

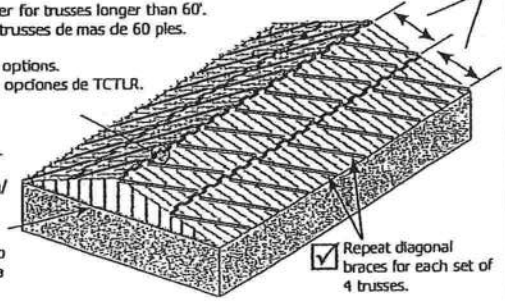
Truss Span Longitud de Tramo	Top Chord Temporary Lateral Restraint (TCTLR) Spacing Espaciamiento del Arriostre Temporal de la Cuerda Superior
Up to 30' Hasta 30 pies	10' o.c. max. 10 pies máximo
30' to 45' 30 a 45 pies	8' o.c. max. 8 pies máximo
45' to 60' 45 a 60 pies	6' o.c. max. 6 pies máximo
60' to 80'* 60 a 80 pies*	4' o.c. max. 4 pies máximo

*Consult a Professional Engineer for trusses longer than 60'.
*Consulte a un Ingeniero para trusses de mas de 60 pies.

See BCSI-B2 for TCTLR options.
Vea el BCSI-B2 para las opciones de TCTLR.

Refer to BCSI-B3 Summary Sheet – Permanent Restraint/Bracing of Chords & Web Members for Gable End Frame restraint/bracing/reinforcement information.

Para información sobre restricción/arriostre/refuerzo para armazón de hastial vea el resumen BCSI-B3 – Restricción/Arriostre Permanente de Cuerdas y Miembros Secundarios.



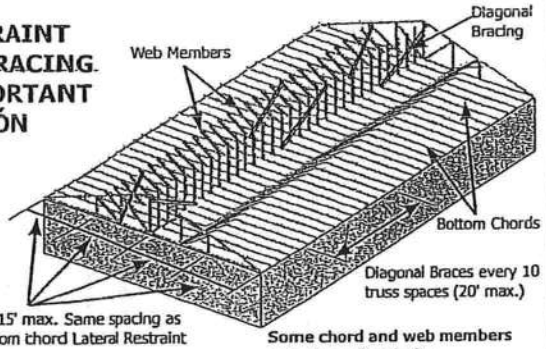
Repeat diagonal braces for each set of 4 trusses.

Repita los arrisotres diagonales para cada grupo de 4 trusses.

Ground bracing not shown for clarity.

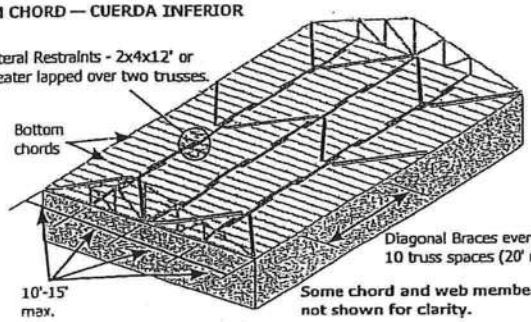
) WEB MEMBER PLANE — PLANO DE LOS MIEMBROS SECUNDARIOS

.ATERAL RESTRAINT & DIAGONAL BRACING ARE VERY IMPORTANT
LA RESTRICCIÓN .ATERAL Y EL ARRIOSTRE DIAGONAL SON MUY IMPORTANTES!



Some chord and web members not shown for clarity.

3) BOTTOM CHORD — CUERDA INFERIOR

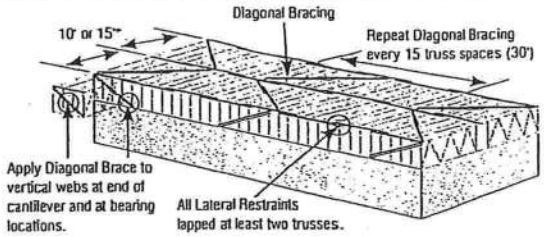


Some chord and web members not shown for clarity.

RESTRAINT & BRACING FOR 3x2 AND 4x2 PARALLEL CHORD TRUSSES
LA RESTRICCIÓN Y EL ARRIOSTRE PARA TRUSSES DE CUERDAS PARALELAS 3X2 Y 4X2

Refer to BCSI-B7 Summary Sheet - Temporary & Permanent Restraint/ Bracing for Parallel Chord Trusses for more information.

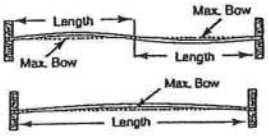
Vea el resumen BCSI-B7 – Restricción y Arriostre Temporal y Permanente de Trusses de Cuerdas Paralelas para más información.



*Top chord Temporary Lateral Restraint spacing shall be 10' o.c. max. for 3x2 chords and 15' o.c. for 4x2 chords.

INSTALLING — INSTALACION

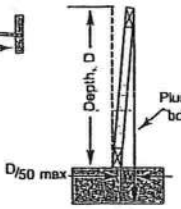
Tolerances for Out-of-Plane.
Tolerancias para Fuera-de-Plano.



D/50	D (ft.)
1/4"	1'
1/2"	2'
3/4"	3'
1"	4'
1-1/4"	5'
1-1/2"	6'
1-3/4"	7'
2"	≥8'

Max. Bow	Truss Length
3/4"	12.5'
7/8"	14.6'
1"	16.7'
1-1/8"	18.8'
1-1/4"	20.8'
1-3/8"	22.9'
1-1/2"	25.0'
1-3/4"	29.2'
2"	≥33.3'

Tolerances for Out-of-Plumb.
Tolerancias para Fuera-de-Plomada.



CONSTRUCTION LOADING — CARGA DE CONSTRUCCION

Do not proceed with construction until all lateral restraint and bracing is securely and properly in place.

No proceda con la construcción hasta que todas las restricciones laterales y los arriostres estén colocados en forma apropiada y segura.

Do not exceed maximum stack heights. Refer to BCSI-B4 Summary Sheet - Construction Loading for more information.

No exceda las máximas alturas recomendadas. Vea el resúmen BCSI-B4 Carga de Construcción para mayor información.

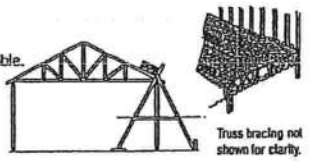
Material	Height
Gypsum Board	12"
Plywood or OSB	16"
Asphalt Shingles	2 bundles
Concrete Block	8"
Clay Tile	3-4 tiles high

Do not overload small groups or single trusses.
No sobrecargue pequeños grupos o trusses individuales.

Never stack materials near a peak.
Nunca amontone material cerca del pico.

Place loads over as many trusses as possible.
Coloque las cargas sobre tantos trusses como sea posible.

Position loads over load bearing walls.
Coloque las cargas sobre las paredes soportantes.



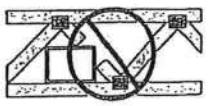
ALTERATIONS — ALTERACIONES

Refer to BCSI-B5 Summary Sheet - Truss Damage, Jobsite Modifications & Installation Errors.

Vea el resúmen BCSI-B5 Daños de trusses, Modificaciones en la Obra y Errores de Instalación.

Do not cut, alter, or drill any structural member of a truss unless specifically permitted by the Truss Design Drawing.

No corte, altere o perfore ningún miembro estructural de los trusses, a menos que esté especificamente permitido en el dibujo del diseño del truss.



Trusses that have been overloaded during construction or altered without the Truss Manufacturer's prior approval may render the Truss Manufacturer's limited warranty null and void.

Trusses que se han sobrecargado durante la construcción o han sido alterados sin una autorización previa del Fabricante de Trusses, pueden reducir o eliminar la garantía del Fabricante de Trusses.

WTCA
6300 Enterprise Lane • Madison, WI 53719
608/274-4849 • www.sbcindustry.com

TRUSS PLATE INSTITUTE
218 N. Lee St., Ste. 312 • Alexandria, VA 22314
703/683-1010 • www.tpinst.org

B1WARN11x17 20061115

L MANEJO, INSTALACIÓN, RESTRICCIÓN Y ARRIOSTRE DE LOS TRUSSES (2006 EDICIÓN)

Maronda Systems

MARONDA SYSTEMS *4005 Maronda Way* *Sanford, FL 32771* *(407) 321-0064* *Fax (407) 321-3913*

Date: November 1, 2006

To: Building Department

From: Maronda Systems
Tomas Ponce
Professional Engineer
State of Florida #0050068

Subject: Valley Trusses

All valley trusses labeled V-1 through 100 are covered under the general valley sheet provided in the truss package signed and sealed by the engineer of record. The connections are noted on the structural info sheet of the plans. All criteria of the valley trusses are noted on the general sheet.

If you have any questions please feel free to call at 407-321-0064.

Sincerely,

Tomas Ponce, P.E.
Date: 11/1/06

Job: MARONDA SYSTEMS | Customer: | WO:VALLEY SET | TI:V | Qty:1

DESIGN INFORMATION

This design is for an individual building component and has been based on information provided by the client. The designer disclaims any responsibility for damages as a result of faulty or incorrect information, specifications and/or designs furnished to the truss designer by the client and the correctness or accuracy of this information as it may relate to a specific project and accepts no responsibility or exercises no control with regard to fabrication, handling, shipment and installation of trusses. This truss has been designed as an individual building component in accordance with ANSI/TPI 1-1995 and NDS-97 to be incorporated as part of the building design by a Building Designer (registered architect or professional engineer). When reviewed for approval by the building designer, the design loadings shown must be checked to be sure that the data shown are in agreement with the local building codes, local climatic records for wind or snow loads, project specifications or special applied loads. Unless shown, truss has not been designed for storage or occupancy loads. The design assumes compression chords (top or bottom) are continuously braced by sheathing unless otherwise specified. Where bottom chords in tension are not fully braced laterally by a properly applied rigid ceiling, they should be braced at a maximum spacing of 10'-0" o.c. Connector plates shall be manufactured from 20 gauge hot dipped galvanized steel meeting ASTM A 653, Grade 40, unless otherwise shown.

FABRICATION NOTES

Prior to fabrication, the fabricator shall review this drawing to verify that this drawing is in conformance with the fabricator's plans and to realize a continuing responsibility for such verification. Any discrepancies are to be put in writing before cutting or fabrication. Plates shall not be installed over knotholes, knots or distorted grain. Members shall be cut for tight fitting wood to wood bearing. Connector plates shall be located on both faces of the truss with nails fully imbedded and shall be sym. about the joint unless otherwise shown. A 5x4 plate is 5" wide x 4" long. A 6x8 plate is 6" wide x 8" long. Slots (holes) run parallel to the plate length specified. Double cuts on web members shall meet at the centroid of the webs unless otherwise shown. Connector plate sizes are minimum sizes based on the forces shown and may need to be increased for certain handling and/or erection stresses. This truss is not to be fabricated with fire retardant treated lumber unless otherwise shown. For additional information on Quality Control refer to ANSI/TPI 1-1995

PRECAUTIONARY NOTES

All bracing and erection recommendations are to be followed in accordance with "Handling, Installing and Bracing", HIB-91. Trusses are to be handled with particular care during banding and bundling, delivery and installation to avoid damage. Temporary and permanent bracing for holding trusses in a straight and plumb position and for resisting lateral forces shall be designed and installed by others. Careful handling is essential and erection bracing is always required. Normal precautionary action for trusses requires such temporary bracing during installation between trusses to avoid toppling and dominoing. The supervision of erection of trusses shall be under the control of persons experienced in the installation of trusses. Professional advice shall be sought if needed. Concentration of construction loads greater than the design loads shall not be applied to trusses at any time. No loads other than the weight of the erectors shall be applied to trusses until after all fastening and bracing is completed.

TOP CHORDS: 2X4 SP #2
BOT CHORDS: 2X4 SP #2
WEBS: 2X4 SP #3

T/C MUST BE CONTINUOUSLY BRACED BY ROOF SHEATHING UNLESS NOTED OTHERWISE.

VALLEY MEMBERS TO BE SET PERPENDICULAR TO TRUSSES BELOW.

IT IS NOT REQUIRED TO SHEATH TRUSSES BELOW VALLEY SET. VALLEY MEMBERS PROVIDE ALL NECESSARY TOP CHORD BRACING.

WHEN VALLEY MEMBERS ARE NAILED DIRECTLY TO TRUSS TOP CHORDS USE (2) 16D NAILS PER INTERSECTION, OR TWO FEET ON CENTER. WHEN BELOW TRUSSES ARE SHEATHED FIRST USE (2) 10d NAILS OR (1) 16d NAIL PER INTERSECTION , OR TWO FEET ON CENTER.

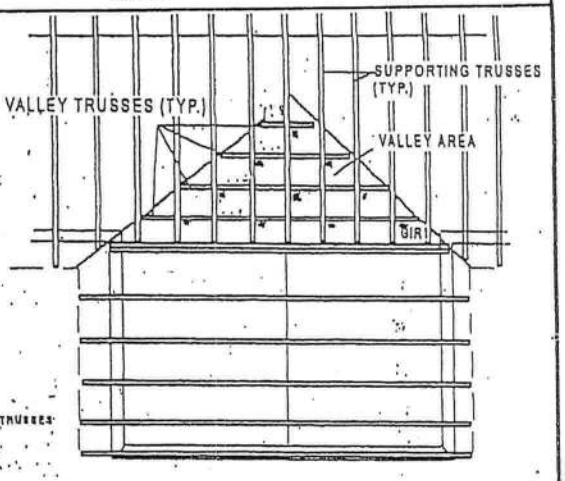
2X4 TRANSVERSE BRACING NAILED FLAT TO EDGE OF WEB WITH 12d NAILS AT 8" O.C. OR A SCAB OF THE SAME DIMENSION AND GRADE AS WEB; NAILED TO FACE (S) OF WEB WITH 10d NAILS STAGGERED 8" O.C. SCAB OR TRANSVERSE BRACKING TO EXTEND FOR 90% OF WEB LENGTH. 2X6 BRACE REQUIRED ON ANY WEB EXCEEDING 14'.

*** denotes ONE edge or one face
**** denotes BOTH edges or Both faces.

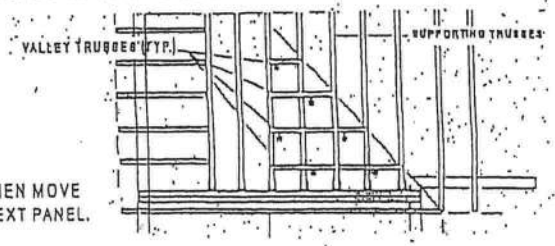
(1) ONE BRACE REQUIRED ON WEBS > = 94.0" LONG *
(2) TWO BRACES REQ'D ON WEBS > =126.0" LONG. **

VALLEY TRUSSES ARE ACCEPTABLE TO BE CANTILEVERED UP TO TWO FEET.

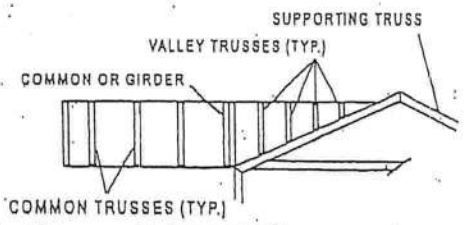
COMMON VALLEY



MONO VALLEY

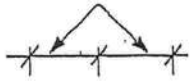


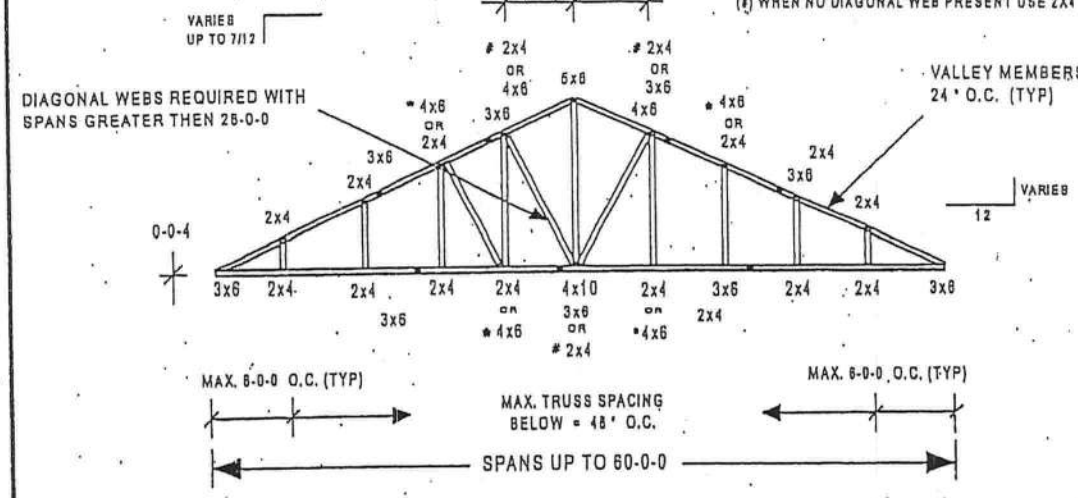
(*) WHEN DIGAONAL WEB PRESENT USE 4X8 PLATE
(#) WHEN NO DIAGONAL WEB PRESENT USE 2X4 PLATE

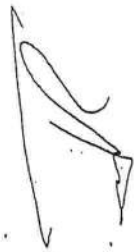


* VALLEY STRAPPING TO TRUSS BELOW @ 4' O.C.

IF LESS THEN 3-0-0 THEN MOVE DIAGONAL WEB TO NEXT PANEL.







DEC 17 2005

EXCEPT AS SHOWN PLATES ARE TL20 GA TESTED PER ANSI/TPI 1-1995 Cont. Support Studs @ 6-0-0 O.C.

Maronda Systems
4005 MARONDA WAY
Sanford, FL. 32771
(407) 321-0064 Fax (407) 321-3913
TOMAS PONCE P.E. LICENSE #0050068
1005 VANNESSA DR. OVIEDO FL 32766

WARNING:
READ ALL NOTES ON THIS SHEET. A COPY OF THIS DRAWING TO BE GIVEN TO ERECTING CONTRACTOR. BRACING WARNING:
Bracing shown on this drawing is not erection bracing, wind bracing, portal bracing or similar bracing which is a part of the building design and which must be considered by the building designer. Bracing shown is for lateral support of truss members only to reduce buckling length. Provisions must be made to anchor lateral bracing at ends and specified locations determined by the building designer. Additional bracing of the overall structure may be required. (See HIB-91 of TPI). For specific truss bracing requirements, contact building designer. (Truss Plate Institute, TPI is located at 583 D'Onofrio Drive, Madison, Wisconsin 53719).

Eng Job:		WO: VALLEY SET
Dwg:		TI: V
Dsgnr:TLY Chk:		7/27/2005
TC Live	16.0 psf	Lbr DF: 1.25
TC Dead	7.0 psf	Plt DF: 1.25
BC Live	10.0 psf	O.C.: 2- 0- 0
BC Dead	2.0 psf	TPI-02/FBC-04
TOTAL	35.0 psf	Code: FLA
		v4.7.21-4355

Design: Matrix Analysis Profile Path: C:\TEE-LOK\Work\Jobs\MARONDA SYSTEMS\VT.prx

Job: | Customer: | WO:HIPDETAIL | TI:HIP | Qty:1

DESIGN INFORMATION

This design is for an individual building component and as been based on information provided by the client. The esigner disclaims any responsibility for damages as a sult of faulty or incorrect information, specifications nd/or designs furnished to the truss designer by the client nd the correctness or accuracy of this information as it ay relate to a specific project and accepts no esponsibility or exercises no control with regard to abrication, handling, shipment and installation of trusses. This truss has been designed as an individual building component in accordance with ANSI/TPI 1-1995 and NDS-97 to be incorporated as part of the building design by a Building Designer. When reviewed for approval by the building designer, the design loadings shown must be checked to be sure that the data shown are in agreement with the local building codes, local climatic records for wind or snow loads, project specifications or special applied loads. Unless shown, truss has not been designed for storage or occupancy loads. The design assumes compression chords (top or bottom) are continuously braced by sheathing unless otherwise specified. Where bottom chords in tension are not fully braced laterally by a properly applied rigid ceiling, they should be braced at a maximum spacing of 10'-0" o.c. Connector plates shall be manufactured from 20 gauge hot dipped galvanized steel meeting ASTM A 653, Grade 40, unless otherwise shown.

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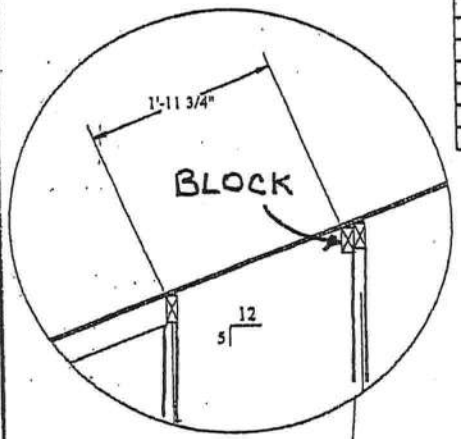
HIP TRUSS BLOCKING REQUIREMENTS

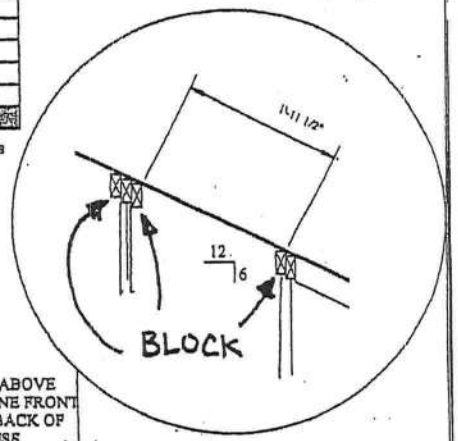
APA-FORM NO. TT-083

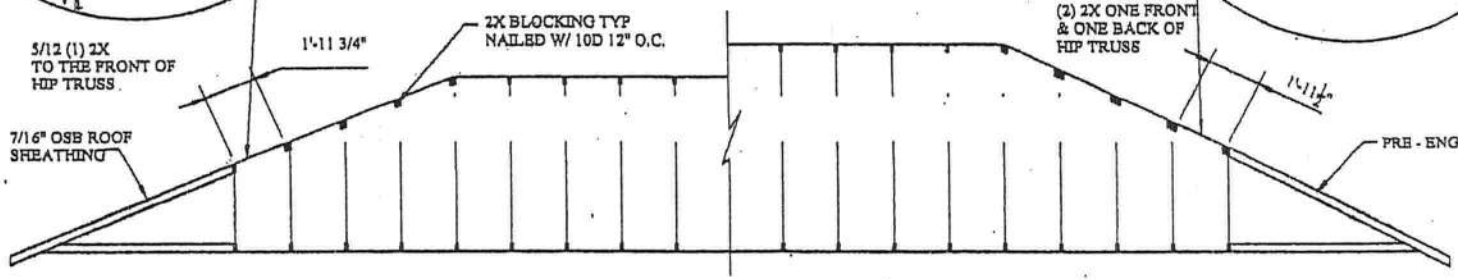
SPAN RATING AND BLOCKING RECOMMENDATIONS FOR USE OVER HIP-ROOFS SUPPORT AT 24" O.C

Roof Slope	Panel Span Rating			
	24/16	32/16	40/20	48/24
≤ 1:12	OK	OK	OK	OK
≤ 2:12	OK	OK	OK	OK
≤ 3:12	OK	OK	OK	OK
≤ 4:12	OK	OK	OK	OK
≤ 5:12	OK	OK	OK	OK
≤ 6:12	OK	OK	OK	OK
≤ 6:12	OK	OK	OK	OK
≤ 7:12	OK	OK	OK	OK
≤ 8:12	OK	OK	OK	OK
≤ 9:12	OK	OK	OK	OK
≤ 10:12	OK	OK	OK	OK
≤ 11:12	OK	OK	OK	OK
≤ 12:12	OK	OK	OK	OK
≤ 13:12	OK	OK	OK	OK
≤ 14:12	OK	OK	OK	OK

NOTE: SHADED AREA REQUIRE 2X LUMBER BLOCKING BETWEEN TRUSS AT UN SUPPORTED PANEL EDGES IN HIP ROOF AREAS







NOTE: NO BLOCKING IS REQUIRED ON 4/12 AND BELOW PITCHED ROOFS

NOV 02 2006

Maronda Systems
4005 MARONDA WAY
Sanford, FL 32771
(407) 321-0064 Fax (407) 321-3913
TOMAS PONCE P.E. LICENSE #0050068
367 Medallion PL Chuluota, FL 32766

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Component Engineering by: Truss Engineering Co., P.A., 818 Soundside Rd, Edenton, NC 27932

Eng Job:		
Dwg:		
Dsgnr:TLY	Chk:	
TC Live	16.0	psf
TC Dead	7.0	psf
BC Live	10.0	psf
BC Dead	10.0	psf
TOTAL	43.0	psf

WO: HIPDETAIL
TI: HIP
11/2/2006
Lbr DF: 1.25
Plt DF: 1.25
O.C.: 2- 0- 0
TPI-02/FBC-04
Code: FLA
v4.7.32-0

Design: Matrix Analysis | Profile Path: C:\TEE-JOK\Work\Jobs\Job-1\COMN-1.prx

ENGINEERING BY
TRENCO
A MiTek Affiliate

Trenco
818 Soundside Rd
Edenton, NC 27932

Re: SUNBURY
SUNBURY_FLORIDA_125

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Maronda Homes-Pittsburgh, PA.

Pages or sheets covered by this seal: E4585782 thru E4585895

My license renewal date for the state of Florida is February 28, 2009.

December 27,2007

Strzyzewski, Marvin

The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-2002 Chapter 2.
Engineering services provided by Truss Engineering Company.

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585783
SUNBURY	H1	HIP	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, Florida — 7.020 s Nov 9 2007 MiTek Industries, Inc. Thu Dec 27 10:02:39 2007 Page 1

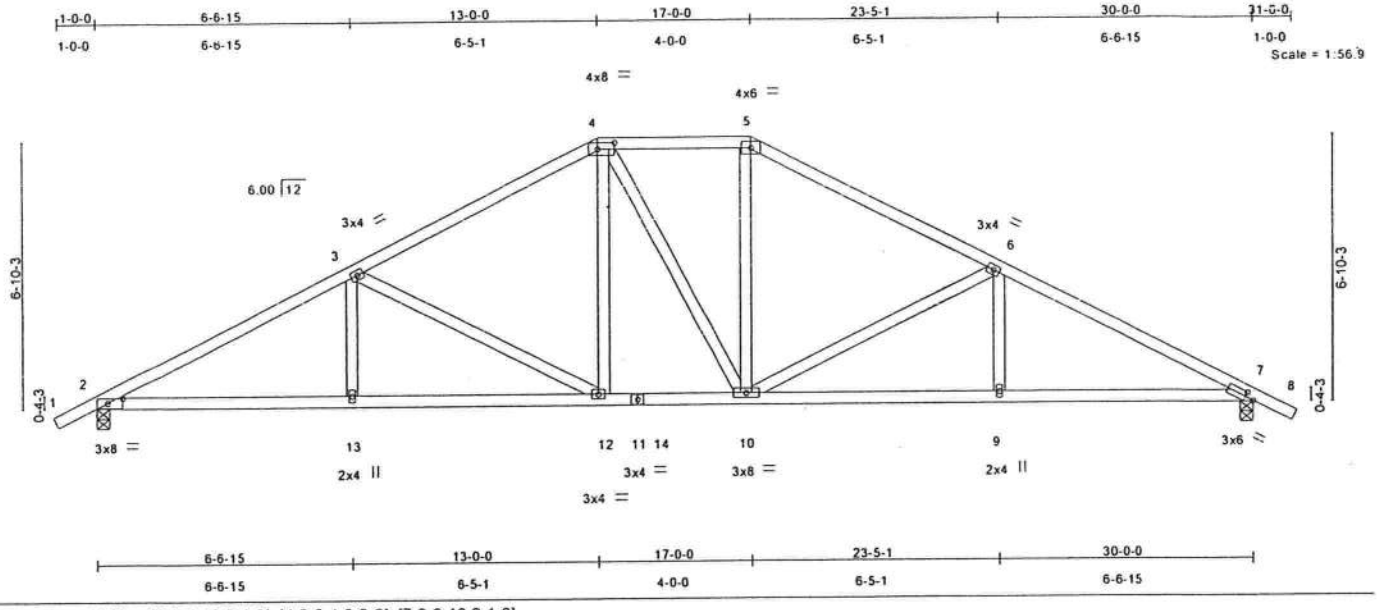

Plate Offsets (X,Y): [2:0-4-12,0-1-8], [4:0-5-4,0-2-0], [7:0-2-10,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.30	Vert(LL)	-0.14	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.57	Vert(TL)	-0.28	12-13	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.53	Horz(TL)	0.10	7	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 157 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-9-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-10-10 oc bracing.

REACTIONS (lb/size) 2=1364/0-4-0, 7=1360/0-4-0
Max Horz 2=123(LC 6)
Max Uplift2=-300(LC 6), 7=-300(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/21, 2-3=-2387/712, 3-4=-1747/608, 4-5=-1502/605, 5-6=-1738/608, 6-7=-2377/712, 7-8=0/21
BOT CHORD 2-13=-494/2080, 12-13=-494/2080, 11-12=-247/1510, 11-14=-247/1510, 10-14=-247/1510, 9-10=-494/2071, 7-9=-494/2071
WEBS 3-13=0/295, 3-12=-654/279, 4-12=-67/538, 4-10=-140/107, 5-10=-67/517, 6-10=-653/279, 6-9=0/295

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 300 lb uplift at joint 2 and 300 lb uplift at joint 7.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 27,2007

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585785
SUNBURY	H1B	HIP	1	1	Job Reference (optional)	

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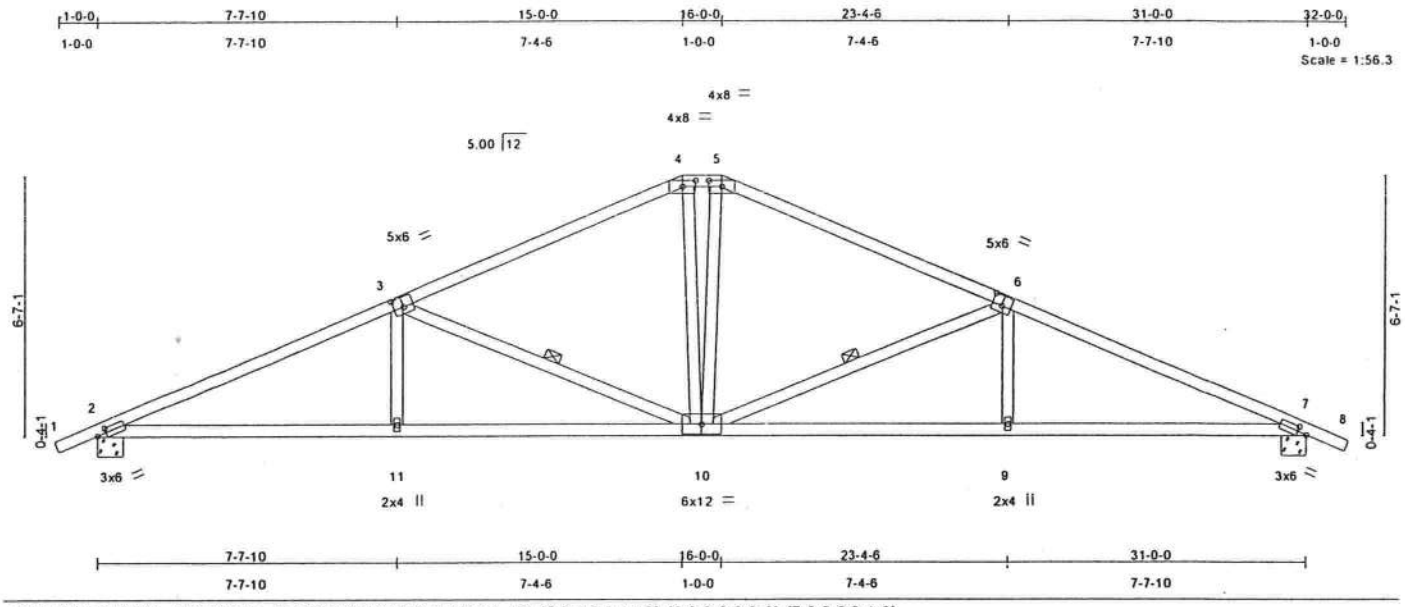

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LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.43	Vert(LL)	-0.19	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.68	Vert(TL)	-0.39	10-11	>934	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.24	Horz(TL)	0.12	7	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 150 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-0-15 oc bracing.
WEBS 1 Row at midpt 3-10, 6-10

REACTIONS (lb/size) 2=1368/0-8-0, 7=1368/0-8-0
Max Horz 2=-115(LC 7)
Max Uplift 2=-328(LC 6), 7=-328(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/18, 2-3=-2635/787, 3-4=-1787/616, 4-5=-1623/633, 5-6=-1787/616, 6-7=-2635/787, 7-8=0/18
BOT CHORD 2-11=-593/2372, 10-11=-593/2372, 9-10=-593/2372, 7-9=-593/2372
WEBS 3-11=0/332, 3-10=-858/327, 6-10=-858/327, 6-9=0/332, 4-10=-121/591, 5-10=-121/591

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 328 lb uplift at joint 2 and 328 lb uplift at joint 7.

LOAD CASE(S) Standard

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Truss Engineering Co.
818 Soundside Road
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December 27,2007

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585786
SUNBURY	H1C	MONO HIP	1	1	Job Reference (optional)	

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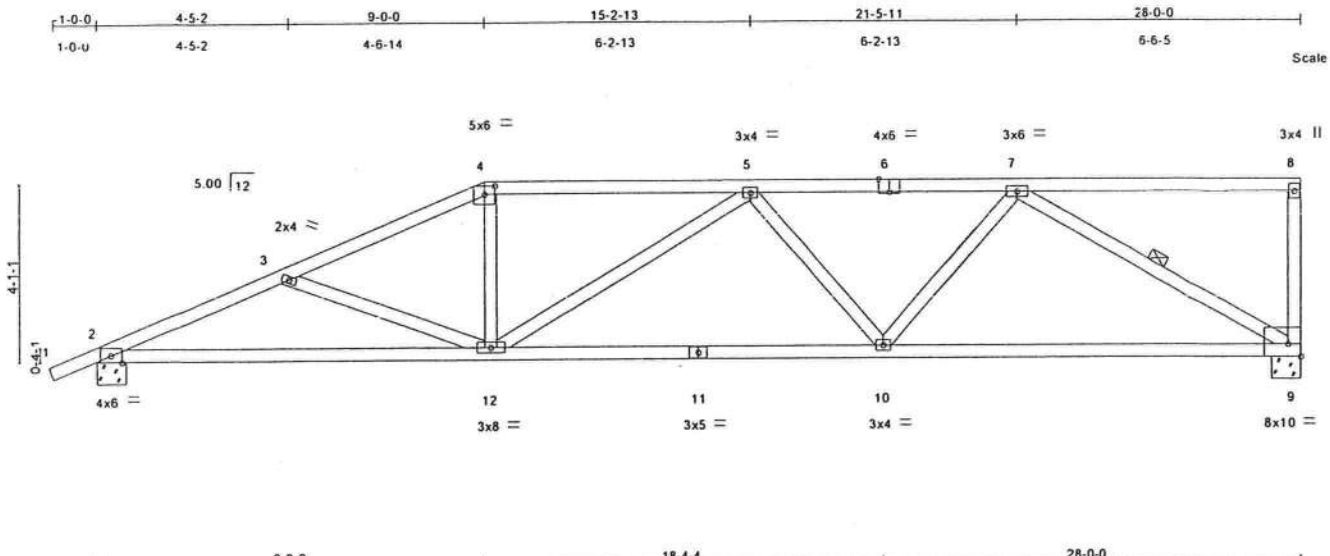

Plate Offsets (X,Y): [4:0-3-0,0-2-4], [6:0-3-0,Edge], [9:Edge,0-3-8]

LOADING (psf)		SPACING 2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.52	Vert(LL)	0.50	9-10	>656	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.76	Vert(TL)	-0.42	9-10	>792	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.39	Horz(TL)	-0.10	9	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 139 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-9-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 3-8-14 oc bracing.
WEBS 1 Row at midpt 7-9

REACTIONS (lb/size) 9=1182/0-8-0, 2=1249/0-8-0
Max Horz 2=184(LC 6)
Max Uplift 9=-728(LC 5), 2=-711(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/18, 2-3=-2345/2382, 3-4=-2141/2257, 4-5=-1962/2150, 5-6=-1991/2182, 6-7=-1991/2182, 7-8=-105/120, 8-9=-149/143
BOT CHORD 2-12=-2309/2119, 11-12=-2318/2138, 10-11=-2318/2138, 9-10=-1651/1530
WEBS 3-12=-190/204, 4-12=-634/548, 5-12=-208/197, 5-10=-232/215, 7-10=-836/726, 7-9=-1659/1781

NOTES
1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 728 lb uplift at joint 9 and 711 lb uplift at joint 2.

LOAD CASE(S) Standard

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FL COA #7239

December 27,2007

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585790
SUNBURY	H2S	HIP	1	1	Job Reference (optional)	

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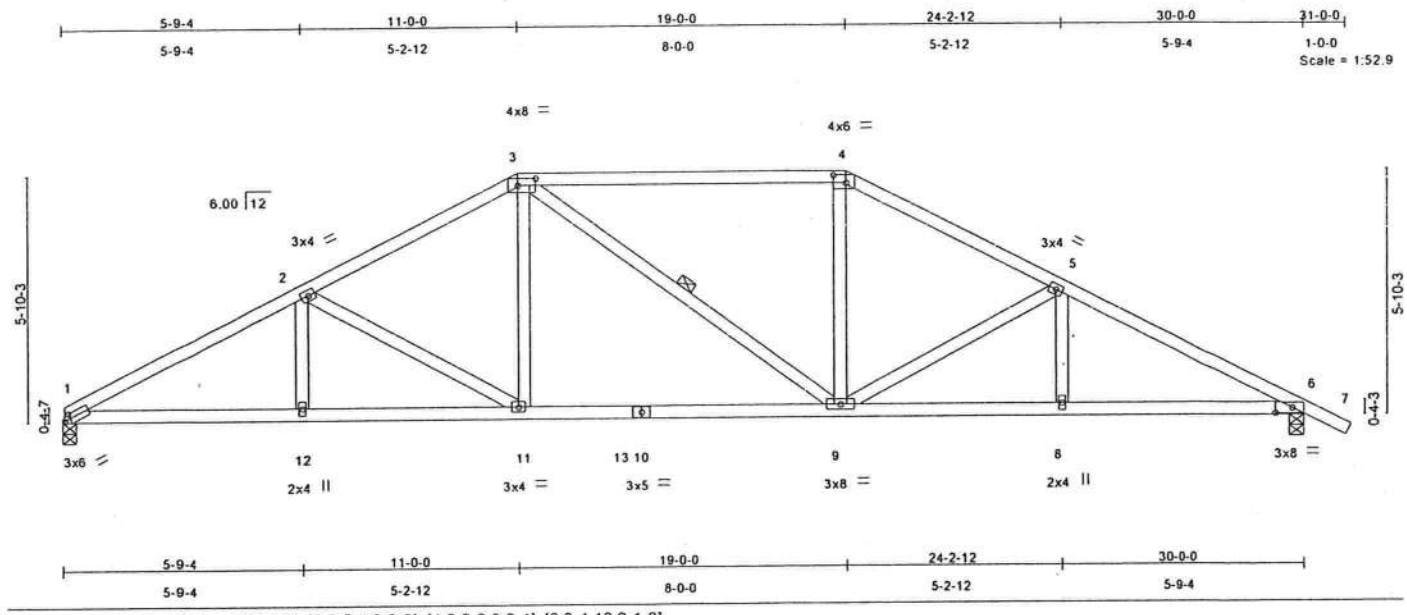

Plate Offsets (X,Y): [1:0-1-13,0-1-8], [3:0-5-4,0-2-0], [4:0-3-8,0-2-4], [6:0-4-12,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.40	Vert(LL)	-0.21	9-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.75	Vert(TL)	-0.41	9-11	>861	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.25	Horz(TL)	0.10	6	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 149 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-9-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-4-1 oc bracing.
WEBS 1 Row at midpt 3-9

REACTIONS (lb/size) 1=1329/0-4-0, 6=1371/0-4-0
Max Horz 1=-117(LC 7)
Max Uplift1=-212(LC 6), 6=-285(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2446/759, 2-3=-1998/679, 3-4=-1724/664, 4-5=-1958/675, 5-6=-2423/737, 6-7=0/21
BOT CHORD 1-12=-543/2128, 11-12=-543/2128, 11-13=-355/1761, 10-13=-355/1761, 9-10=-355/1761, 8-9=-521/2099, 6-8=-521/2099
WEBS 2-12=0/212, 2-11=-437/214, 3-11=-17/578, 3-9=-161/77, 4-9=-11/532, 5-9=-445/193, 5-8=0/213

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 212 lb uplift at joint 1 and 285 lb uplift at joint 6.

LOAD CASE(S) Standard

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818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 27,2007

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585789
SUNBURY	H2B	HIP	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, Florida — 7.020 s Nov 9 2007 MiTek Industries, Inc. Thu Dec 27 10:02:44 2007 Page 1

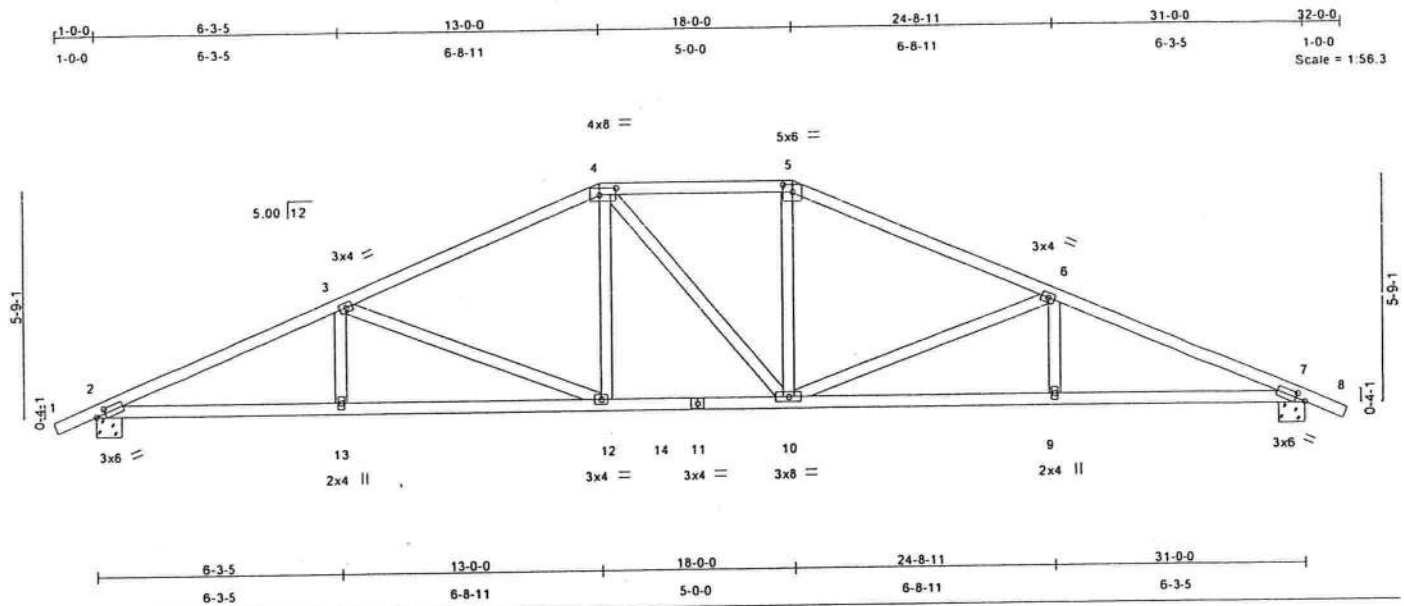

Plate Offsets (X,Y): [2:0-3-0,0-1-8], [4:0-5-4,0-2-0], [5:0-3-0,0-2-4], [7:0-3-0,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.18	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.61	Vert(TL)	-0.38	12-13	>953	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.58	Horz(TL)	0.12	7	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 152 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-6-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-9-13 oc bracing.

REACTIONS (lb/size) 2=1399/0-8-0, 7=1393/0-8-0
Max Horz 2=-103(LC 7)
Max Uplift2=-314(LC 6), 7=-314(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/18, 2-3=-2802/826, 3-4=-2080/692, 4-5=-1863/693, 5-6=-2065/692, 6-7=-2787/826, 7-8=0/18
BOT CHORD 2-13=-643/2516, 12-13=-643/2516, 12-14=-396/1878, 11-14=-396/1878, 10-11=-396/1878, 9-10=-643/2503, 7-9=-643/2503
WEBS 3-13=0/280, 3-12=-704/266, 4-12=-30/530, 4-10=-157/113, 5-10=-30/506, 6-10=-705/266, 6-9=0/281

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 314 lb uplift at joint 2 and 314 lb uplift at joint 7.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 27,2007

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585793
SUNBURY	H3S	HIP	1	1	Job Reference (optional)	

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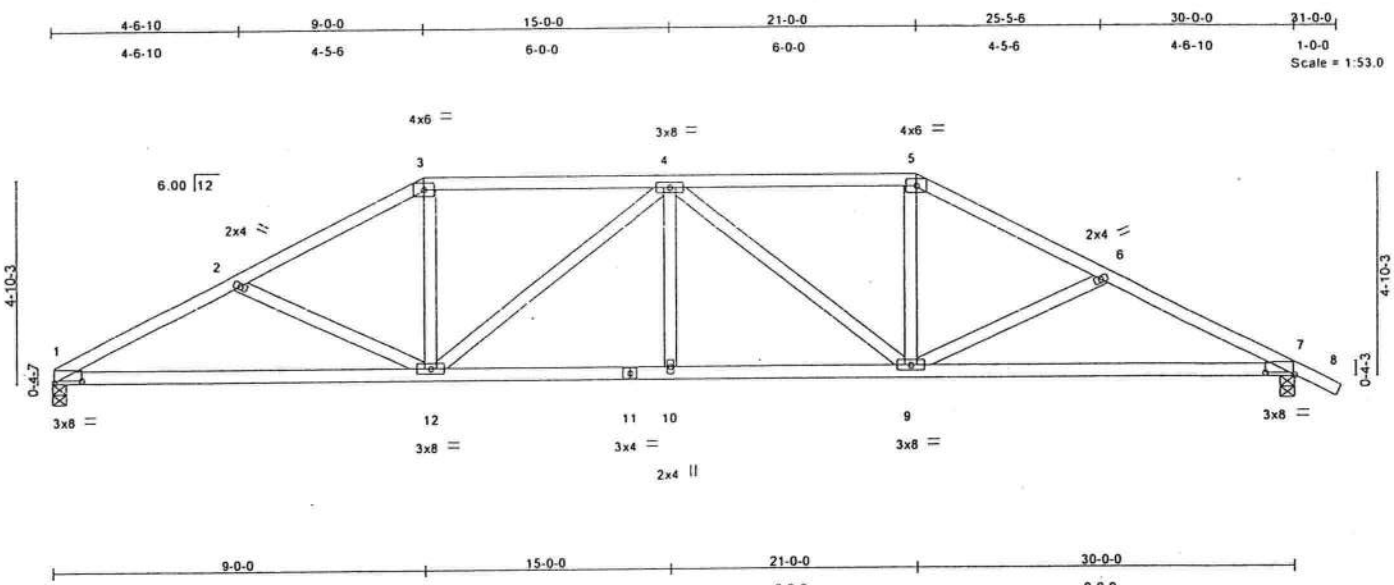

Plate Offsets (X,Y): [1:0-8-0,0-0-8], [7:0-8-4,0-0-10]

LOADING (psf)		SPACING 2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0		Plates Increase 1.25	TC 0.38	Vert(LL)	-0.20	1-12	>999	240	MT20	244/190
TCDL 7.0		Lumber Increase 1.25	BC 0.81	Vert(TL)	-0.45	1-12	>789	180		
BCLL 10.0	*	Rep Stress Incr YES	WB 0.36	Horz(TL)	0.10	7	n/a	n/a		
BCDL 10.0		Code FBC2004/TPI2002	(Matrix)						Weight: 149 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-8-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-11-15 oc bracing.

REACTIONS (lb/size) 1=1273/0-4-0, 7=1332/0-4-0
Max Horz 1=-102(LC 7)
Max Uplift1=-194(LC 6), 7=-267(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2272/828, 2-3=-2057/720, 3-4=-1818/698, 4-5=-1820/690, 5-6=-2058/711, 6-7=-2276/809, 7-8=0/21
BOT CHORD 1-12=-617/1996, 11-12=-564/2107, 10-11=-564/2107, 9-10=-564/2107, 7-9=-594/2001
WEBS 2-12=-225/206, 3-12=-94/658, 4-12=-445/176, 4-10=0/168, 4-9=-441/178, 5-9=-86/657, 6-9=-228/192

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 194 lb uplift at joint 1 and 267 lb uplift at joint 7.

LOAD CASE(S) Standard

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818 Soundside Road
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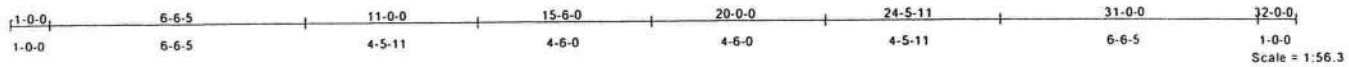
FL COA #7239

December 27,2007

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585792
SUNBURY	H3B	HIP	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, Florida — 7.020 s Nov 9 2007 MiTek Industries, Inc. Thu Dec 27 10:02:46 2007 Page 1



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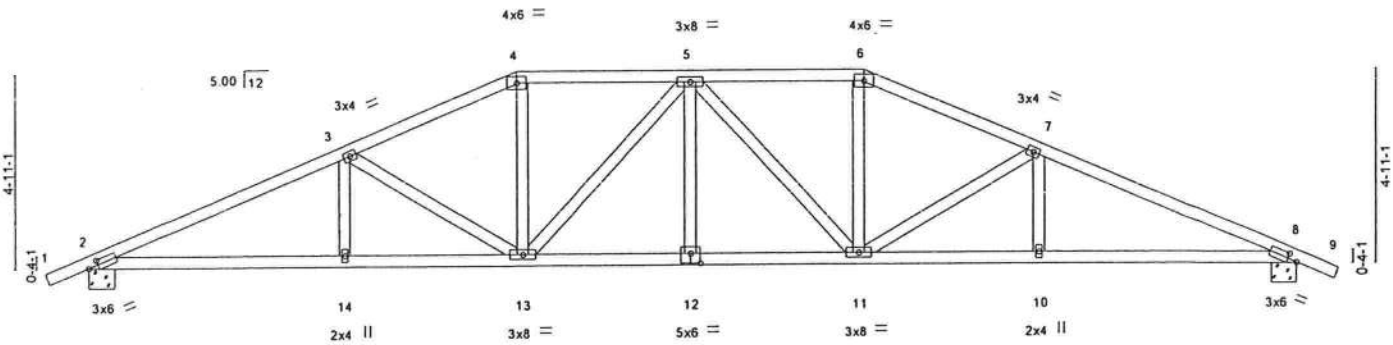

Plate Offsets (X,Y): [2:0-3-0,0-1-8], [8:0-3-0,0-1-8], [12:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.32	Vert(LL)	-0.16	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.61	Vert(TL)	-0.32	12-13	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.22	Horz(TL)	0.12	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 158 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-6-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-9-13 oc bracing.

REACTIONS (lb/size) 2=1368/0-8-0, 8=1368/0-8-0
Max Horz 2=90(LC 6)
Max Uplift2=-297(LC 6), 8=-297(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/18, 2-3=-2681/837, 3-4=-2165/766, 4-5=-1976/743, 5-6=-1976/743, 6-7=-2165/766, 7-8=-2681/837, 8-9=0/18
BOT CHORD 2-14=-646/2402, 13-14=-646/2402, 12-13=-551/2154, 11-12=-551/2154, 10-11=-646/2402, 8-10=-646/2402
WEBS 3-14=0/245, 3-13=-524/192, 4-13=-120/622, 5-13=-348/97, 5-12=0/176, 5-11=-348/97, 6-11=-120/622, 7-11=-524/192, 7-10=0/245

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 297 lb uplift at joint 2 and 297 lb uplift at joint 8.

LOAD CASE(S) Standard

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Edenton, NC 27932
FL COA #7239

December 27,2007

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585794
SUNBURY	H4B	HIP	1	1	Job Reference (optional)	

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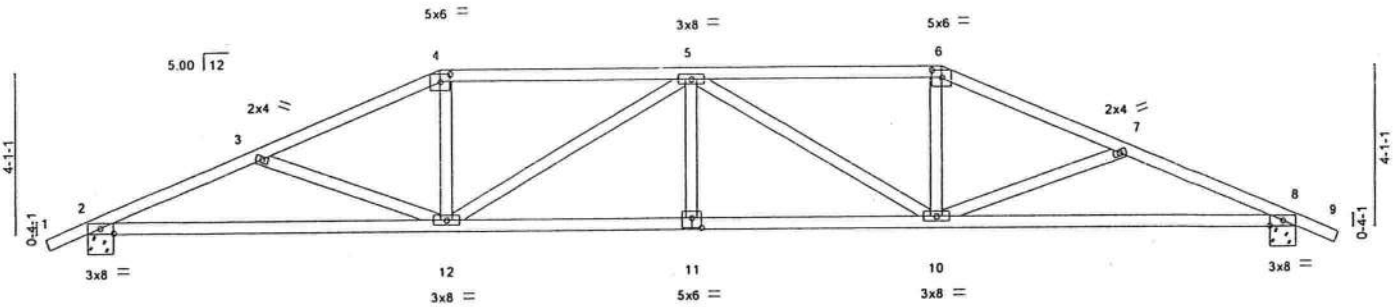
Scale = 1:56.3



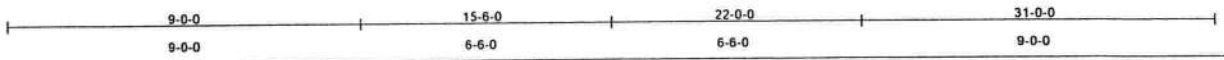


Plate Offsets (X,Y): [2:0-4-2,0-1-8], [4:0-3-0,0-2-4], [6:0-3-0,0-2-4], [7:0-0-0,0-0-0], [8:0-4-2,0-1-8], [11:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.33	Vert(LL)	-0.21	2-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.88	Vert(TL)	-0.47	2-12	>775	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.48	Horz(TL)	0.13	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 149 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-6-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-1-1 oc bracing.

REACTIONS (lb/size) 2=1368/0-8-0, 8=1368/0-8-0
Max Horz 2=-77(LC 7)
Max Uplift2=-288(LC 4), 8=-288(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/18, 2-3=-2620/912, 3-4=-2425/814, 4-5=-2229/801, 5-6=-2229/801, 6-7=-2425/814, 7-8=-2620/912, 8-9=0/18
BOT CHORD 2-12=-726/2370, 11-12=-770/2655, 10-11=-770/2655, 8-10=-726/2370
WEBS 3-12=-185/184, 4-12=-63/651, 5-12=-583/220, 5-11=0/205, 5-10=-583/220, 6-10=-63/651, 7-10=-185/185

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 288 lb uplift at joint 2 and 288 lb uplift at joint 8.

LOAD CASE(S) Standard

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FL COA #7239

December 27,2007

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585804
SUNBURY	HGRDS	HIP	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, Florida

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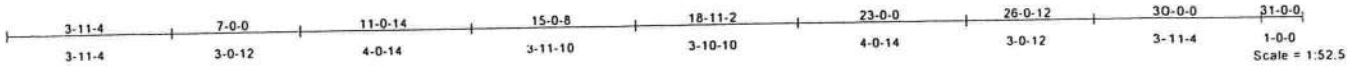

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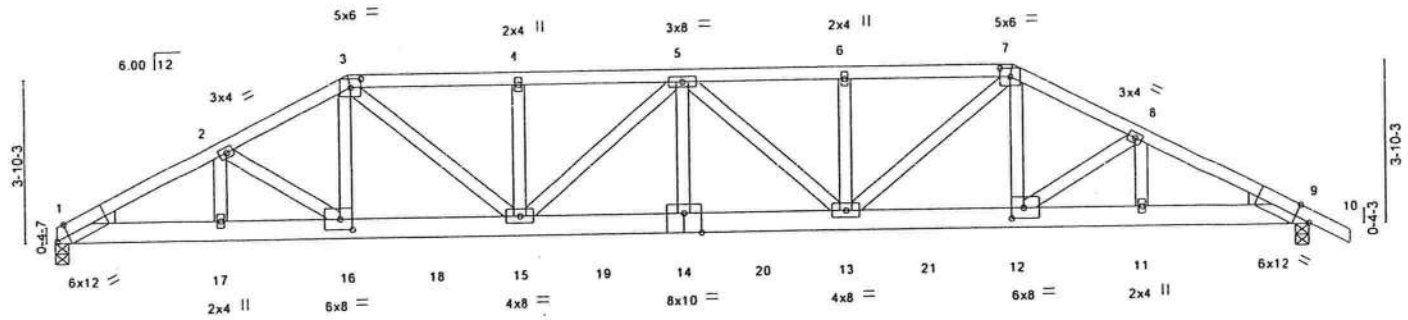

3-11-4	7-0-0	11-0-14	15-0-8	18-11-2	23-0-0	26-0-12	30-0-0
3-11-4	3-0-12	4-0-14	3-11-10	3-10-10	4-0-14	3-0-12	3-11-4

Plate Offsets (X,Y): [1:0-3-13,Edge], [3:0-3-0,0-2-7], [7:0-3-0,0-2-7], [9:0-4-6,Edge], [12:0-3-8,0-3-0], [14:0-5-0,Edge], [16:0-3-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.58	Vert(LL)	0.40	14	>891	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.91	Vert(TL)	-0.71	14	>502	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.38	Horz(TL)	0.16	9	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 187 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.2
WEDGE
Left: 2 X 4 SYP No.3, Right: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-1-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-8-1 oc bracing.

REACTIONS (lb/size) 1=2911/0-4-0, 9=2962/0-4-0
Max Horz 1=-88(LC 6)
Max Uplift1=-1220(LC 4), 9=-1245(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-5851/2534, 2-3=-5830/2665, 3-4=-6577/3043, 4-5=-6577/3043, 5-6=-6585/3048, 6-7=-6585/3048, 7-8=-5849/2674, 8-9=-5874/2546, 9-10=0/23
BOT CHORD 1-17=-2252/5158, 16-17=-2252/5158, 16-18=-2325/5167, 15-18=-2325/5167, 15-19=-3196/7077, 14-19=-3196/7077, 14-20=-3196/7077, 13-20=-3196/7077, 13-21=-2284/5183, 12-21=-2284/5183, 11-12=-2218/5189, 9-11=-2218/5189
WEBS 2-17=-81/143, 2-16=-187/173, 3-16=-544/1179, 3-15=-913/1905, 4-15=-165/126, 5-15=-700/342, 5-14=-283/678, 5-13=-696/341, 6-13=-162/124, 7-13=-909/1893, 7-12=-545/1194, 8-12=-187/149, 8-11=-90/153

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1220 lb uplift at joint 1 and 1245 lb uplift at joint 9.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 784 lb down and 461 lb up at 7-0-0, 243 lb down and 155 lb up at 9-0-12, 243 lb down and 155 lb up at 11-0-12, 243 lb down and 155 lb up at 13-0-12, 243 lb down and 155 lb up at 15-0-0, 243 lb down and 155 lb up at 16-11-4, 243 lb down and 155 lb up at 18-11-4, and 243 lb down and 155 lb up at 20-11-4, and 784 lb down and 461 lb up at 22-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Continued on page 2

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December 27,2007

ENGINEERING BY TRENCO
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Edenton, NC 27932

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-3=-46, 3-7=-46, 7-10=-46, 1-9=-40

Concentrated Loads (lb)

Vert: 16=-784(F) 15=-243(F) 14=-243(F) 13=-243(F) 12=-784(F) 18=-243(F) 19=-243(F) 20=-243(F) 21=-243(F)

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585801
SUNBURY	HGRDB	HIP	1	2	Job Reference (optional)	

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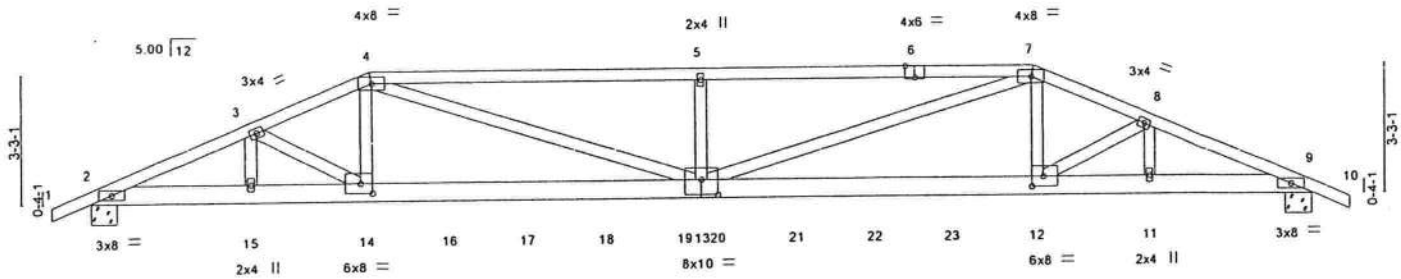

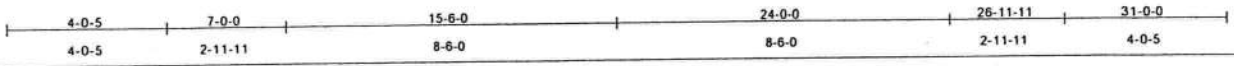

Plate Offsets (X,Y): [6:0-3-0,Edge], [12:0-3-8,0-3-0], [13:0-5-0,0-4-8], [14:0-3-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.86	Vert(LL)	0.52	13-14	>706	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.79	Vert(TL)	-0.67	12-13	>542	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.62	Horz(TL)	0.10	9	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 347 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 7-11-0 oc bracing.

REACTIONS (lb/size) 2=3058/0-8-0, 9=3067/0-8-0
Max Horz 2=-66(LC 6)
Max Uplift2=-1899(LC 3), 9=-1747(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/20, 2-3=-6652/4213, 3-4=-7170/4824, 4-5=-9289/6242, 5-6=-9289/6242, 6-7=-9289/6242, 7-8=-7197/4346, 8-9=-6671/3887, 9-10=0/20
BOT CHORD 2-15=-3792/6042, 14-15=-3792/6042, 14-16=-4347/6574, 16-17=-4347/6574, 17-18=-4347/6574, 18-19=-4347/6574, 13-19=-4347/6574, 13-20=-3928/6598, 20-21=-3928/6598, 21-22=-3928/6598, 22-23=-3928/6598, 12-23=-3928/6598, 11-12=-3506/6059, 9-11=-3506/6059
WEBS 3-15=-440/486, 3-14=-696/791, 4-14=-1043/1464, 4-13=-1897/2942, 5-13=-383/275, 7-13=-2348/2916, 7-12=-712/1483, 8-12=-533/801, 8-11=-447/353

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 6 - 2 rows at 0-7-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60.
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1899 lb uplift at joint 2 and 1747 lb uplift at joint 9.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 752 lb down and 628 lb up at 7-0-0, 234 lb down and 267 lb up at 9-0-12, 234 lb down and 267 lb up at 11-0-12, 234 lb down and 267 lb up at 13-0-12, 234 lb down and 267 lb up at 15-0-12, 234 lb down and 267 lb up at 15-11-4, 234 lb down and 267 lb up at 17-11-4, 240 lb down and 148 lb up at 19-11-4, and 240 lb down and 148 lb up at 21-11-4, and 759 lb down and 509 lb up at 23-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on page 2

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December 27,2007

ENGINEERING BY TRENCO
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818 Soundside Road
Edenton, NC 27932

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-4=-46, 4-7=-46, 7-10=-46, 2-9=-40

Concentrated Loads (lb)

Vert: 14=-752(B) 12=-759(B) 16=-234(B) 17=-234(B) 18=-234(B) 19=-234(B) 20=-234(B) 21=-234(B) 22=-240(B) 23=-240(B)

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585803
SUNBURY	HGRDC	MONO HIP	1	2	Job Reference (optional)	

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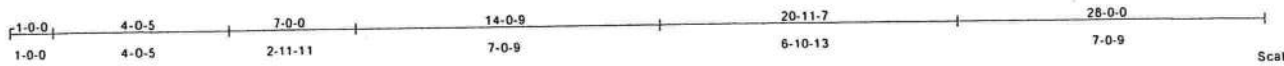

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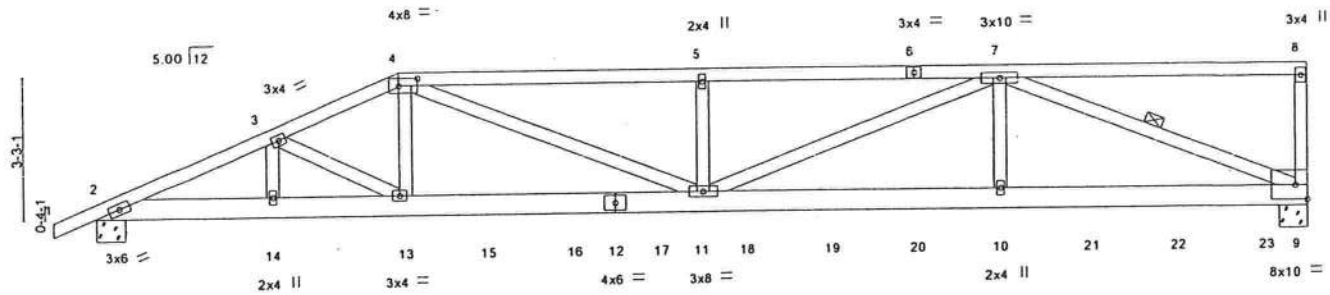

Plate Offsets (X,Y): [2:0-0-0,0-0-0], [3:0-0-0,0-0-0], [4:0-5-4,0-2-0], [5:0-0-0,0-0-0], [6:0-0-0,0-0-0], [7:0-0-0,0-0-0], [8:0-0-0,0-0-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.45	Vert(LL)	0.35	11-13	>957	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.58	Vert(TL)	-0.43	11-13	>771	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.51	Horz(TL)	0.08	9	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 325 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-10-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-4-14 oc bracing.
WEBS 1 Row at midpt 7-9

REACTIONS (lb/size) 9=3146/0-8-0, 2=2644/0-8-0
Max Horz 2=150(LC 5)
Max Uplift 9=-2411(LC 4), 2=-1704(LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/20, 2-3=-5723/3791, 3-4=-5978/4224, 4-5=-7146/5262, 5-6=-7146/5263, 6-7=-7146/5263, 7-8=-220/166, 8-9=-173/125
BOT CHORD 2-14=-3520/5194, 13-14=-3520/5194, 13-15=-3976/5585, 15-16=-3976/5585, 12-16=-3976/5585, 12-17=-3976/5585, 11-17=-3976/5585, 11-18=-4025/5404, 18-19=-4025/5404, 19-20=-4025/5404, 10-20=-4025/5404, 10-21=-4025/5404, 21-22=-4025/5404, 22-23=-4025/5404, 9-23=-4025/5404
WEBS 3-14=-237/337, 3-13=-481/363, 4-13=-935/1360, 4-11=-1393/1685, 5-11=-311/224, 7-11=-1341/1888, 7-10=-881/1132, 7-9=-5617/4182

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2411 lb uplift at joint 9 and 1704 lb uplift at joint 2.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 752 lb down and 628 lb up at 7-0-0, 234 lb down and 267 lb up at 9-0-12, 234 lb down and 267 lb up at 11-0-12, 234 lb down and 267 lb up at 13-0-12, 234 lb down and 267 lb up at 15-0-12, 234 lb down and 267 lb up at 17-0-12, 234 lb down and 267 lb up at 19-0-12, 234 lb down and 267 lb up at 21-0-12, 234 lb down and 267 lb up at 23-0-12, 234 lb down and 267 lb up at 25-0-12, and 234 lb down and 267 lb up at 27-0-12, and 274 lb down and 255 lb up at 27-10-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on page 2

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December 27,2007

ENGINEERING BY TRENCO
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Edenton, NC 27932

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-4=-46, 4-8=-46, 2-9=-40

Concentrated Loads (lb)

Vert: 9=-274(F) 13=-752(F) 10=-234(F) 15=-234(F) 16=-234(F) 17=-234(F) 18=-234(F) 19=-234(F) 20=-234(F) 21=-234(F) 22=-234(F) 23=-234(F)

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585805
SUNBURY	HS1	SPECIAL	1	1	Job Reference (optional)	

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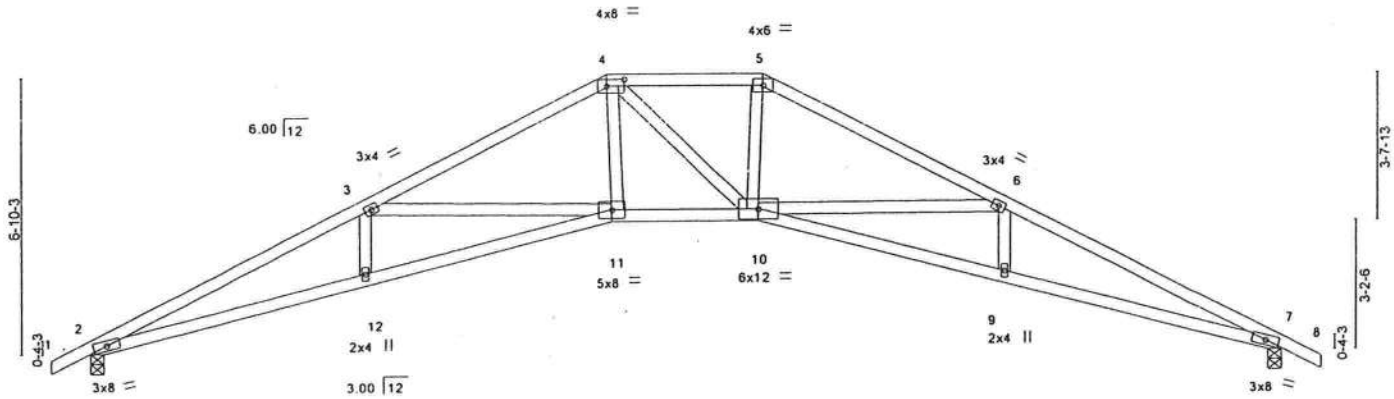
1-0-0 | 6-10-11 | 13-0-0 | 17-0-0 | 23-1-5 | 30-0-0 | 31-0-0

1-0-0 | 6-10-11 | 6-1-5 | 4-0-0 | 6-1-5 | 6-10-11 | 1-0-0

Scale = 1:55.1



6-10-11 | 13-1-8 | 16-10-8 | 23-1-5 | 30-0-0

6-10-11 | 6-2-13 | 3-9-0 | 6-2-13 | 6-10-11

Plate Offsets (X,Y): [4:0-5-4,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.62	Vert(LL)	-0.42	11-12	>846	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.91	Vert(TL)	-0.85	11-12	>420	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.63	Horz(TL)	0.59	7	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 138 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-6-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS (lb/size) 2=1329/0-4-0, 7=1329/0-4-0
Max Horz 2=-121(LC 7)
Max Uplift2=-296(LC 6), 7=-296(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/18, 2-3=-4252/1190, 3-4=-3118/864, 4-5=-2821/846, 5-6=-3172/875, 6-7=-4249/1191, 7-8=0/18
BOT CHORD 2-12=-955/3873, 11-12=-954/3859, 10-11=-493/2824, 9-10=-956/3862, 7-9=-955/3871
WEBS 3-12=0/309, 3-11=-1005/441, 4-10=-165/156, 6-10=-959/432, 6-9=0/285, 4-11=-188/1150, 5-10=-194/1165

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
6) Bearing at joint(s) 2, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 296 lb uplift at joint 2 and 296 lb uplift at joint 7.

LOAD CASE(S) Standard

MARVIN A. STRZYZEWSKI LICENSE No 43144 STATE OF FLORIDA PROFESSIONAL ENGINEER

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 27,2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 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.

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585806
SUNBURY	HS2	SPECIAL	1	1	Job Reference (optional)	

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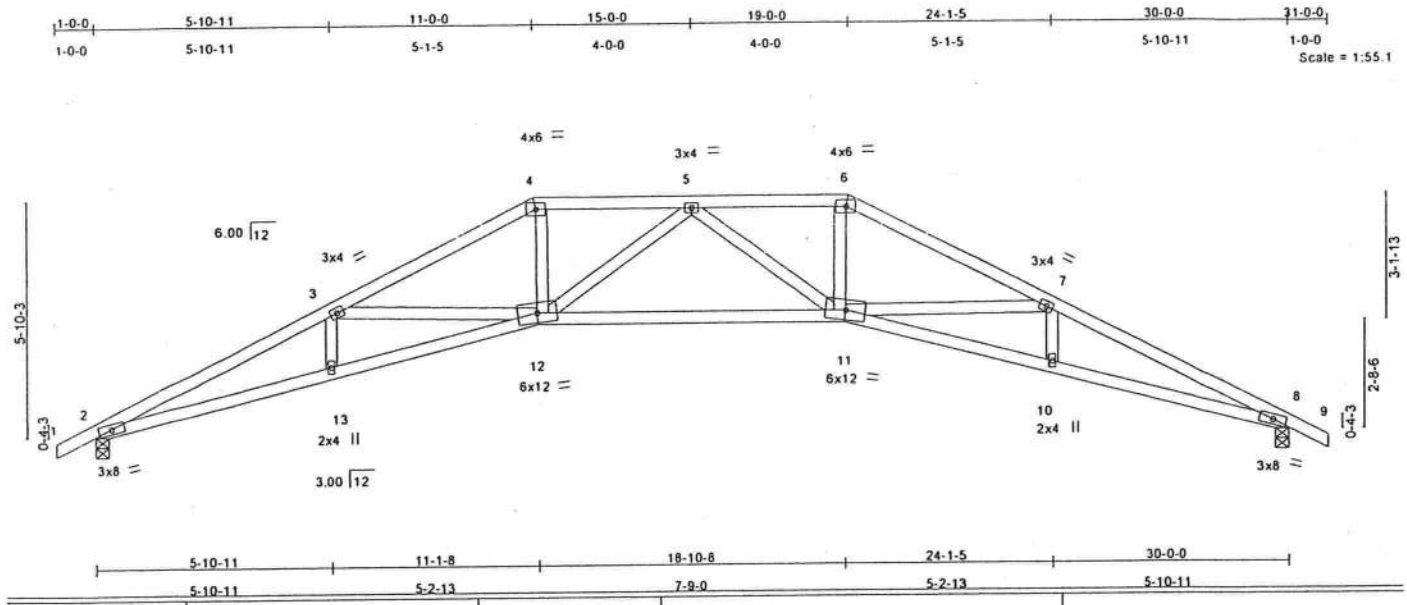

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.46	Vert(LL)	-0.47	11-12	>755	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.95	Vert(TL)	-0.97	11-12	>368	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.27	Horz(TL)	0.59	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 138 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-8-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing, Except:
7-3-3 oc bracing: 11-12.

REACTIONS (lb/size) 2=1329/0-4-0, 8=1329/0-4-0
Max Horz 2=-105(LC 7)
Max Uplift 2=-281(LC 6), 8=-281(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/18, 2-3=-4269/1246, 3-4=-3541/1012, 4-5=-3156/962, 5-6=-3156/962, 6-7=-3541/1012, 7-8=-4269/1246, 8-9=0/18
BOT CHORD 2-13=-1015/3872, 12-13=-1013/3881, 11-12=-753/3255, 10-11=-1013/3881, 8-10=-1015/3872
WEBS 3-13=0/195, 3-12=-633/327, 5-12=-252/187, 5-11=-252/186, 7-11=-633/327, 7-10=0/195, 6-11=-254/1328, 4-12=-254/1328

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
6) Bearing at joint(s) 2, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 281 lb uplift at joint 2 and 281 lb uplift at joint 8.

LOAD CASE(S) Standard

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December 27,2007

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585807
SUNBURY	HS3	SPECIAL	1	1	Job Reference (optional)	

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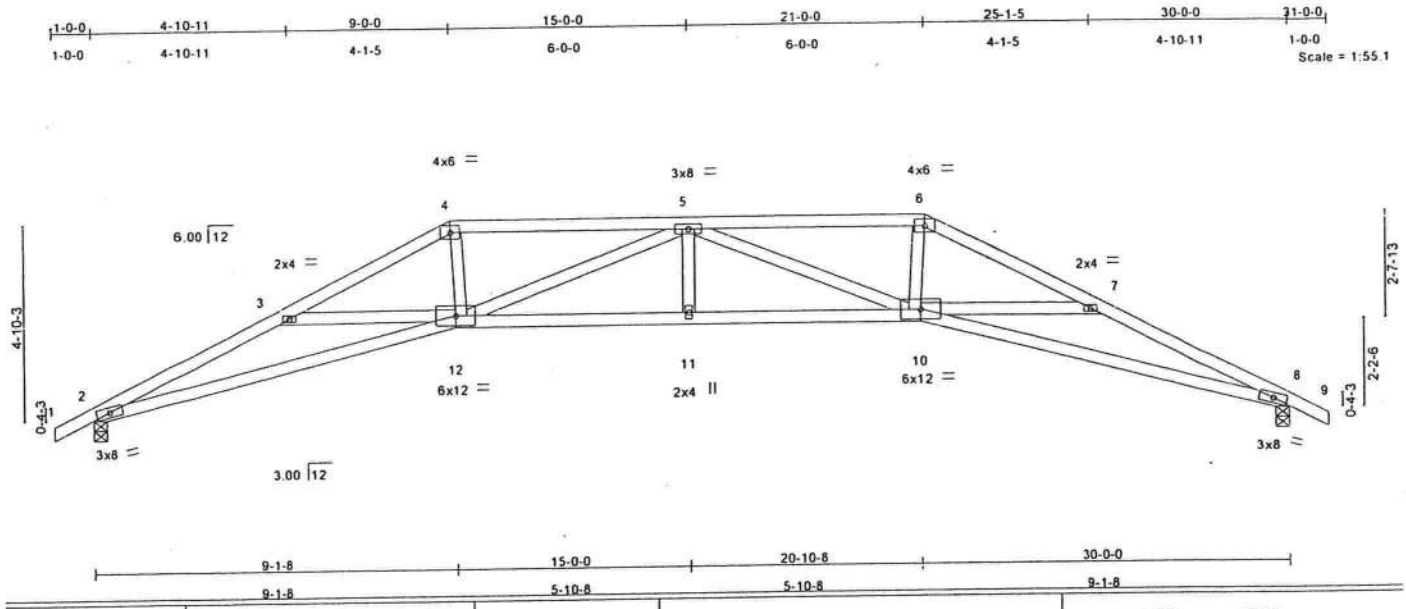

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.49	Vert(LL)	-0.44	11	>802	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.93	Vert(TL)	-0.88	11	>406	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.41	Horz(TL)	0.58	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 137 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except* 10-12 2 X 4 SYP No.1D
WEBS 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-7-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS (lb/size) 2=1329/0-4-0, 8=1329/0-4-0
Max Horz 2=-90(LC 7)
Max Uplift2=-263(LC 6), 8=-263(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/18, 2-3=-4104/1344, 3-4=-3868/1137, 4-5=-3511/1084, 5-6=-3511/1084, 6-7=-3868/1137, 7-8=-4104/1344, 8-9=0/18
BOT CHORD 2-12=-1111/3750, 11-12=-1086/4058, 10-11=-1086/4058, 8-10=-1111/3750
WEBS 3-12=-177/287, 5-12=-716/290, 5-11=0/170, 5-10=-716/289, 7-10=-177/297, 4-12=-276/1461, 6-10=-276/1461

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
6) Bearing at joint(s) 2, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 263 lb uplift at joint 2 and 263 lb uplift at joint 8.

LOAD CASE(S) Standard

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December 27,2007

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Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585811
SUNBURY	HSGRD	SPECIAL	1	2	Job Reference (optional)	

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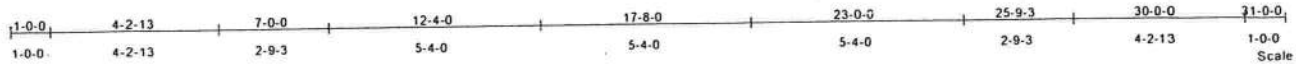

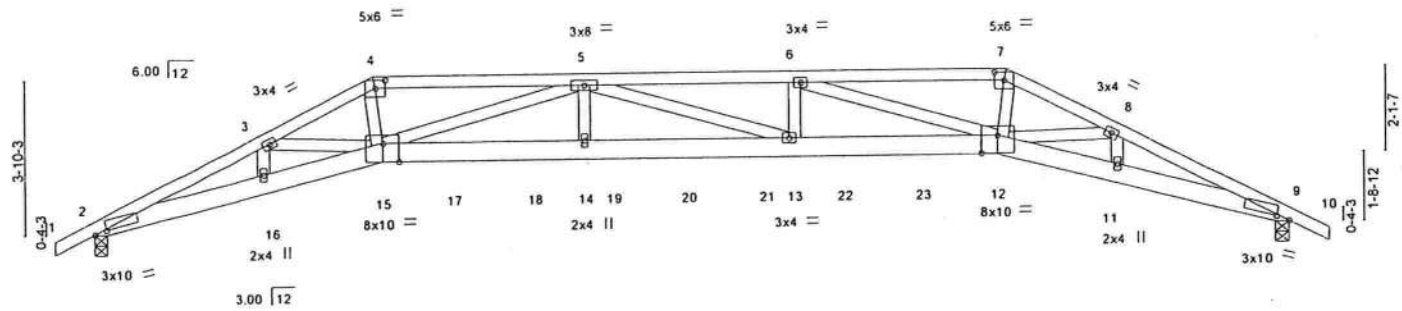

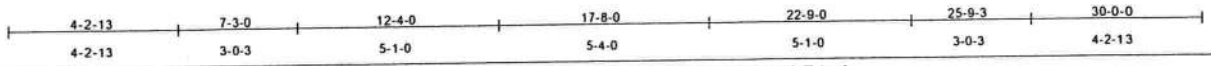

Plate Offsets (X,Y): [2:0-3-14,0-0-6], [4:0-3-0,0-2-7], [7:0-3-0,0-2-7], [9:0-3-14,0-0-6], [12:0-4-12,0-5-4], [15:0-4-12,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.80	Vert(LL)	0.74	13-14	>481	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.94	Vert(TL)	-1.31	13-14	>272	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.44	Horz(TL)	0.65	9	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 327 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-11-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-1-14 oc bracing.

REACTIONS (lb/size) 2=2963/0-4-0, 9=2963/0-4-0
Max Horz 2=78(LC 5)
Max Uplift 2=-1259(LC 5), 9=-1259(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/22, 2-3=-10338/4556, 3-4=-11145/5131, 4-5=-10559/4887, 5-6=-13646/6285, 6-7=-10595/4855, 7-8=-11184/5097, 8-9=-10327/4507, 9-10=0/22
BOT CHORD 2-16=-4140/9363, 15-16=-4197/9483, 15-17=-6336/13789, 17-18=-6336/13789, 14-18=-6336/13789, 14-19=-6336/13789, 19-20=-6336/13789, 20-21=-6336/13789, 13-21=-6336/13789, 13-22=-6218/13646, 22-23=-6218/13646, 12-23=-6218/13646, 11-12=-4102/9478, 9-11=-4043/9353
WEBS 3-16=-387/280, 3-15=-633/1001, 5-15=-3492/1705, 5-14=-378/904, 5-13=-225/124, 6-13=-357/848, 6-12=-3305/1615, 8-12=-663/1047, 8-11=-410/290, 4-15=-2160/4753, 7-12=-2138/4755

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60.
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
8) Bearing at joint(s) 2, 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1259 lb uplift at joint 2 and 1259 lb uplift at joint 9.

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December 27,2007

Continued on page 2

NOTES

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 784 lb down and 467 lb up at 7-3-0, 243 lb down and 157 lb up at 9-0-12 , 243 lb down and 157 lb up at 11-0-12, 243 lb down and 157 lb up at 13-0-12, 243 lb down and 157 lb up at 15-0-0, 243 lb down and 157 lb up at 16-11-4, 243 lb down and 157 lb up at 18-11-4, and 243 lb down and 157 lb up at 20-11-4, and 784 lb down and 467 lb up at 22-9-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-4=-46, 4-7=-46, 7-10=-46, 2-15=-40, 12-15=-40, 9-12=-40

Concentrated Loads (lb)

Vert: 15=-784(B) 12=-784(B) 17=-243(B) 18=-243(B) 19=-243(B) 20=-243(B) 21=-243(B) 22=-243(B) 23=-243(B)

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585813
SUNBURY	J1	JACK	14	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, Florida

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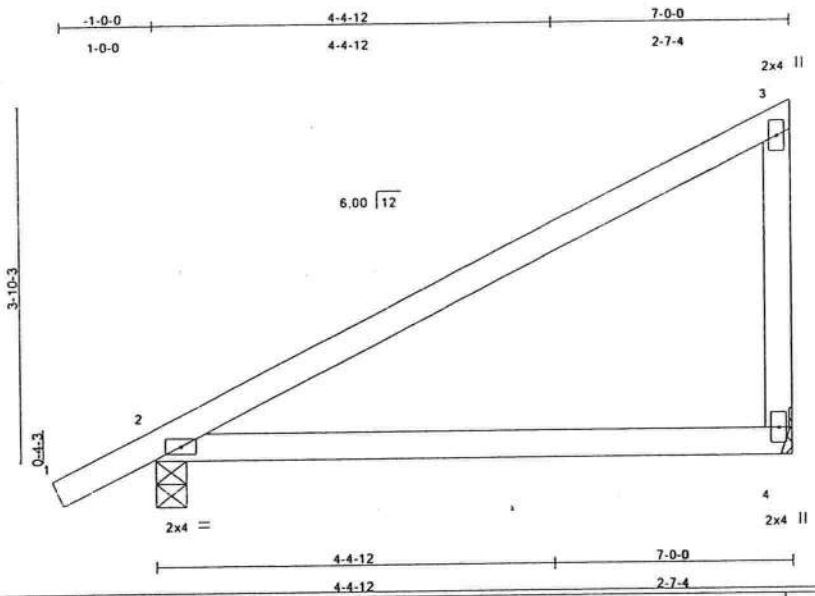

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.44	Vert(LL)	-0.10	2-4	>765	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.42	Vert(TL)	-0.26	2-4	>306	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.03	Horz(TL)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 29 lb	

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

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

REACTIONS (lb/size) 2=349/0-4-0, 4=282/Mechanical
Max Horz 2=176(LC 6)
Max Uplift 2=-111(LC 6), 4=-100(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/21, 2-3=-105/54
BOT CHORD 2-4=0/0
WEBS 3-4=-149/173

NOTES
1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 111 lb uplift at joint 2 and 100 lb uplift at joint 4.

LOAD CASE(S) Standard

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December 27,2007

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585814
SUNBURY	J1B	JACK	19	1	Job Reference (optional)	

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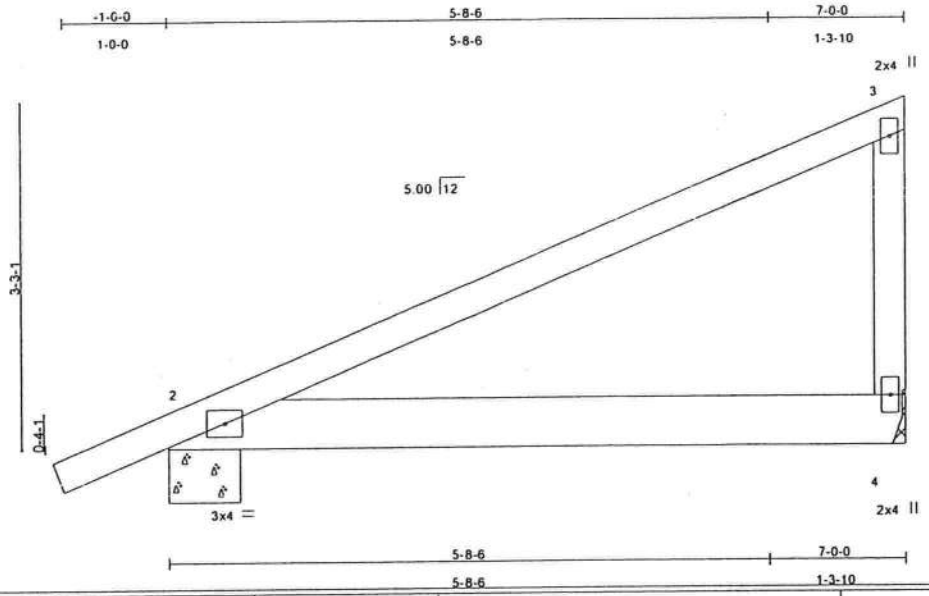

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.30	Vert(LL)	0.10	2-4	>800	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.26	Vert(TL)	0.08	2-4	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.02	Horz(TL)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 33 lb	

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

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

REACTIONS (lb/size) 2=351/0-8-0, 4=274/Mechanical
Max Horz 2=148(LC 6)
Max Uplift 2=-238(LC 6), 4=-190(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/21, 2-3=-82/45
BOT CHORD 2-4=0/0
WEBS 3-4=-143/151

NOTES (6)
1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 238 lb uplift at joint 2 and 190 lb uplift at joint 4.
6)

LOAD CASE(S) Standard

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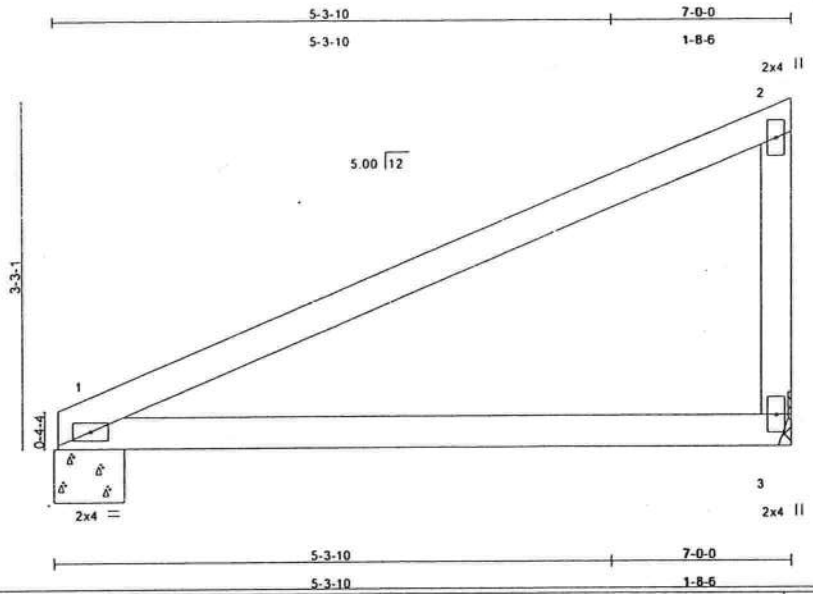
December 27,2007

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585816
SUNBURY	J1BS	JACK	3	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, Florida — 7.020 s Nov 9 2007 MiTek Industries, Inc. Thu Dec 27 10:03:03 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.44	Vert(LL)	-0.09	1-3	>841	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.23	1-3	>336	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.02	Horz(TL)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 26 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 7-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=279/0-8-0, 3=279/Mechanical
Max Horz 1=120(LC 6)
Max Uplift1=-41(LC 6), 3=-95(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-89/49
BOT CHORD 1-3=0/0
WEBS 2-3=-149/169

NOTES (6)
1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 41 lb uplift at joint 1 and 95 lb uplift at joint 3.
6)

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 27,2007

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585818
SUNBURY	J1F	JACK	3	1	Job Reference (optional)	

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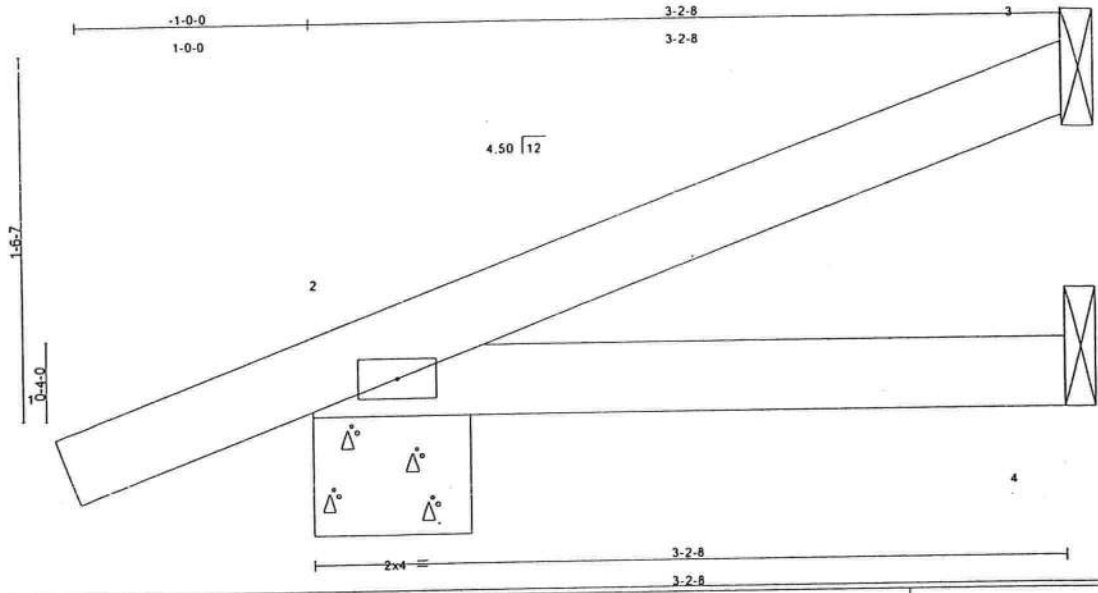
Maronda Homes Inc., Sanford, Florida



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.14	Vert(LL)	0.01	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	-0.01	2-4	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 12 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-2-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=49/Mechanical, 2=200/0-8-0, 4=56/Mechanical
Max Horz 2=74(LC 6)
Max Uplift 3=-36(LC 6), 2=-164(LC 6), 4=-29(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/16, 2-3=-32/14
BOT CHORD 2-4=0/0

NOTES (6)
1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 36 lb uplift at joint 3, 164 lb uplift at joint 2 and 29 lb uplift at joint 4.
6) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 3 and 4.

LOAD CASE(S) Standard

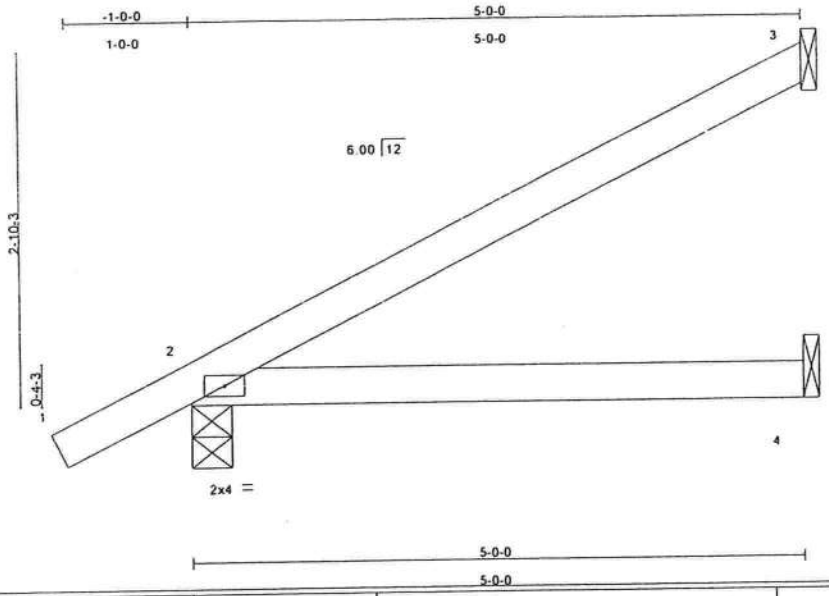
Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 27,2007

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585821
SUNBURY	J2	JACK	7	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, Florida

7.020 s Nov 9 2007 MiTek Industries, Inc. Thu Dec 27 10:03:05 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.21	Vert(LL)	-0.03	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.22	Vert(TL)	-0.07	2-4	>842	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 18 lb	

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

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

REACTIONS (lb/size) 3=102/Mechanical, 2=269/0-4-0, 4=95/Mechanical
Max Horz 2=136(LC 6)
Max Uplift3=-95(LC 6), 2=-104(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/21, 2-3=-74/37
BOT CHORD 2-4=0/0

NOTES (6)
1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 95 lb uplift at joint 3 and 104 lb uplift at joint 2.
6) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 3 and 4.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 27,2007

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585822
SUNBURY	J2B	JACK	5	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, Florida

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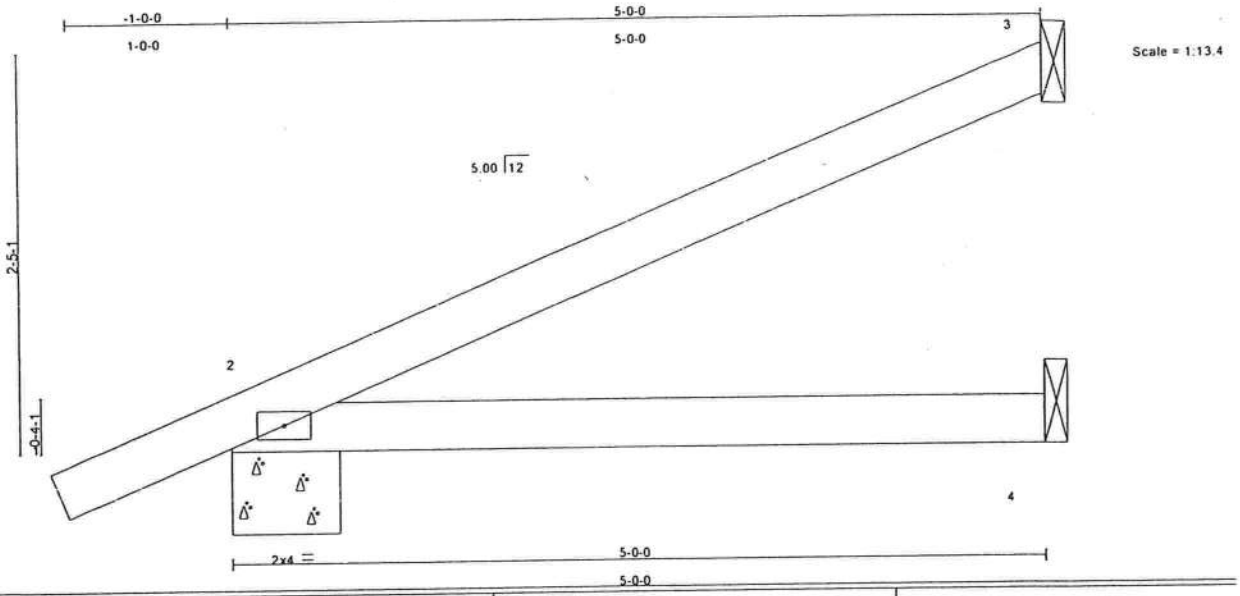

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.18	Vert(LL)	0.10	2-4	>579	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.27	Vert(TL)	0.07	2-4	>744	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 17 lb	

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

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

REACTIONS (lb/size) 3=96/Mechanical, 2=272/0-8-0, 4=92/Mechanical
Max Horz 2=113(LC 6)
Max Uplift 3=-83(LC 6), 2=-195(LC 6), 4=-47(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/18, 2-3=-58/31
BOT CHORD 2-4=0/0

NOTES (6)
1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 83 lb uplift at joint 3, 195 lb uplift at joint 2 and 47 lb uplift at joint 4.
6) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 3 and 4.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 27,2007

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585824
SUNBURY	J2BS	JACK	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, Florida

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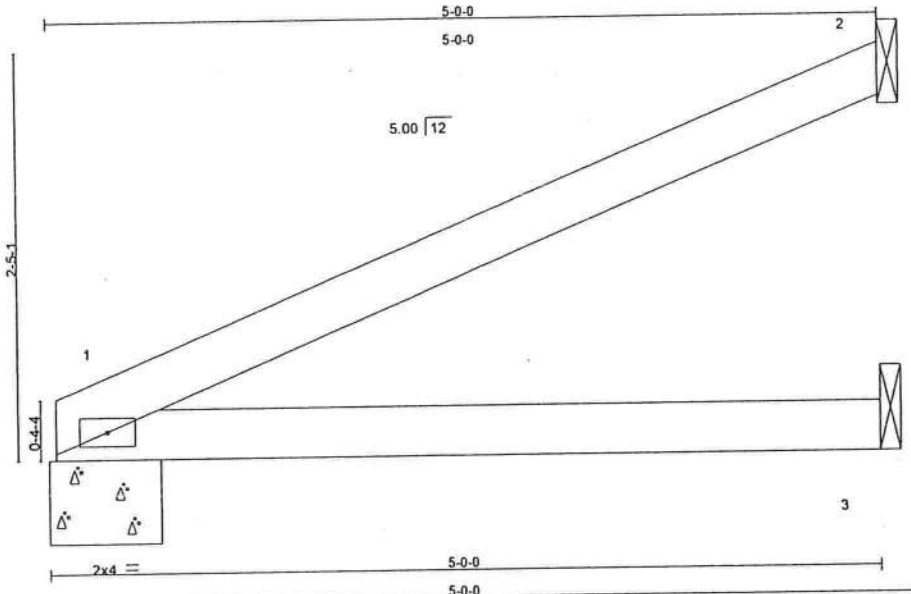


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.22	Vert(LL)	-0.02	1-3	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.20	Vert(TL)	-0.06	1-3	>963	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 16 lb	

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

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

REACTIONS (lb/size) 1=196/0-8-0, 2=105/Mechanical, 3=91/Mechanical
Max Horz 1=87(LC 6)
Max Uplift1=-28(LC 6), 2=-95(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-66/35
BOT CHORD 1-3=0/0

NOTES (6)
1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 28 lb uplift at joint 1 and 95 lb uplift at joint 2.
6) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 2 and 3.

LOAD CASE(S) Standard

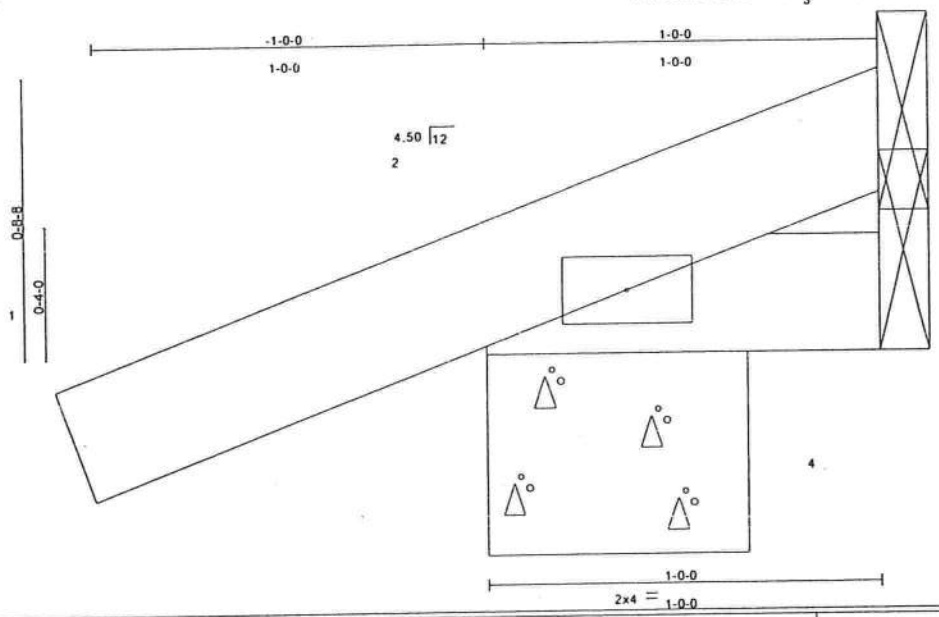
Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 27,2007

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585826
SUNBURY	J2F	JACK	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, Florida — 7.020 s Nov 9 2007 MiTek Industries, Inc. Thu Dec 27 10:03:07 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.10	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 5 lb	

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

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

REACTIONS (lb/size) 2=122/0-8-0, 4=18/Mechanical, 3=-10/Mechanical
Max Horz 2=40(LC 6)
Max Uplift 2=-113(LC 6), 3=-10(LC 1)
Max Grav 2=122(LC 1), 4=18(LC 1), 3=24(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/16, 2-3=-21/19
BOT CHORD 2-4=0/0

NOTES (6)
1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 113 lb uplift at joint 2 and 10 lb uplift at joint 3.
6) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 3 and 4.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 27,2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 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 paramenters 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.

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585828
SUNBURY	J2S	JACK	1	1	Job Reference (optional)	

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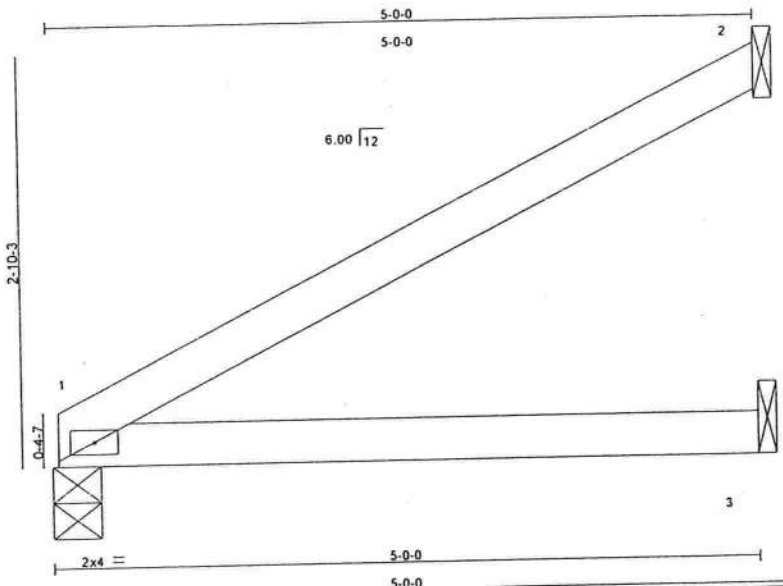
Maronda Homes Inc., Sanford, Florida



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LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
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TCDL	7.0	Lumber Increase	1.25	BC	0.21	Vert(TL)	-0.07	1-3	>865	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 16 lb	

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

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

REACTIONS (lb/size) 1=203/0-4-0, 2=109/Mechanical, 3=95/Mechanical
Max Horz 1=104(LC 6)
Max Uplift1=-22(LC 6), 2=-106(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-81/41
BOT CHORD 1-3=0/0

NOTES (6)
1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 22 lb uplift at joint 1 and 106 lb uplift at joint 2.
6) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 2 and 3.

LOAD CASE(S) Standard

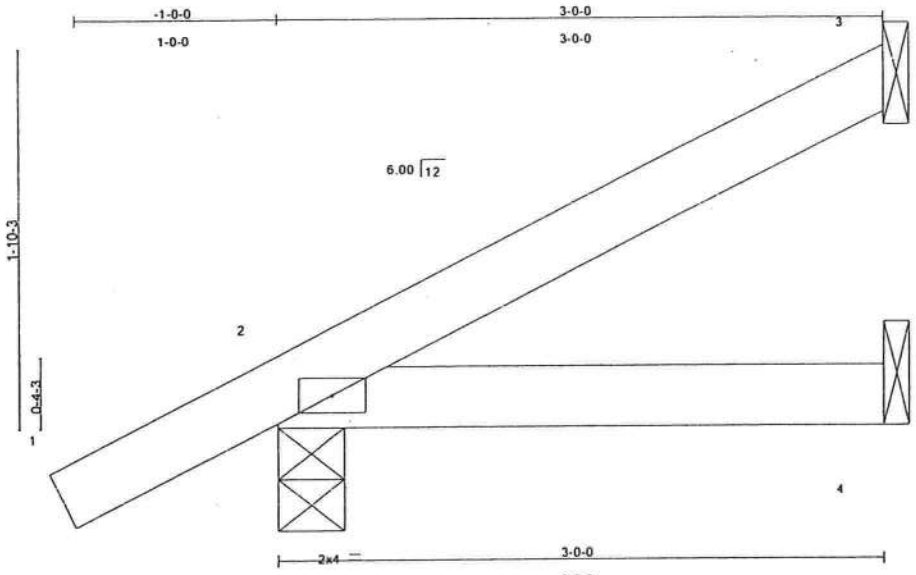
Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 27,2007

ENGINEERING BY
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585829
SUNBURY	J3	JACK	7	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, Florida — 7.020 s Nov 9 2007 MiTek Industries, Inc. Thu Dec 27 10:03:08 2007 Page 1



Scale = 1:10.8

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.12	Vert(LL)	-0.00	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	-0.01	2-4	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 11 lb	

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

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

REACTIONS (lb/size) 3=51/Mechanical, 2=188/0-4-0, 4=55/Mechanical
Max Horz 2=95(LC 6)
Max Uplift3=-44(LC 6), 2=-101(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/21, 2-3=-36/18
BOT CHORD 2-4=0/0

NOTES (6)
1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 44 lb uplift at joint 3 and 101 lb uplift at joint 2.
6) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 3 and 4.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 27,2007

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585830
SUNBURY	J3B	JACK	5	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, Florida

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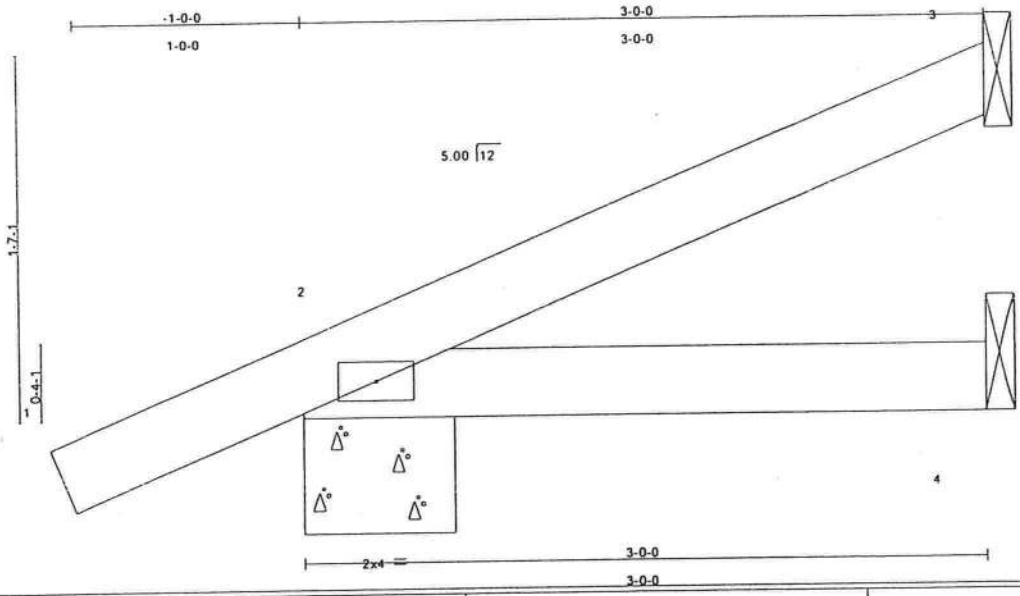


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.14	Vert(LL)	0.01	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	-0.01	2-4	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 11 lb	

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

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

REACTIONS (lb/size) 3=43/Mechanical, 2=193/0-8-0, 4=52/Mechanical
Max Horz 2=79(LC 6)
Max Uplift3=-33(LC 5), 2=-159(LC 6), 4=-27(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/18, 2-3=-33/13
BOT CHORD 2-4=0/0

NOTES (6)
1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 33 lb uplift at joint 3, 159 lb uplift at joint 2 and 27 lb uplift at joint 4.
6) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 3 and 4.

LOAD CASE(S) Standard

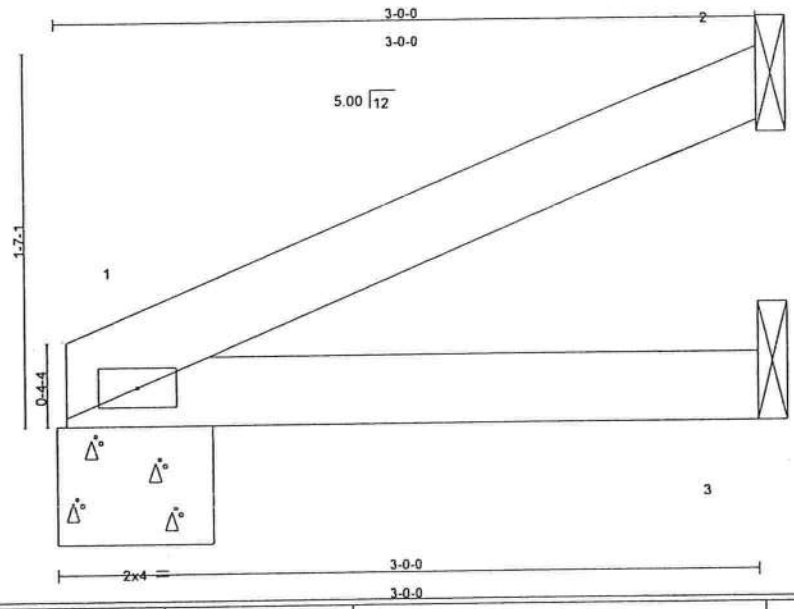
Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 27,2007

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585832
SUNBURY	J3BS	JACK	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, Florida

7.020 s Nov 9 2007 MiTek Industries, Inc. Thu Dec 27 10:03:09 2007 Page 1



Scale = 1:9.6

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.07	Vert(LL)	-0.00	1-3	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.06	Vert(TL)	-0.01	1-3	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 9 lb	

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

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

REACTIONS (lb/size) 1=110/0-8-0, 2=59/Mechanical, 3=51/Mechanical
Max Horz 1=52(LC 6)
Max Uplift1=-14(LC 6), 2=-55(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-40/21
BOT CHORD 1-3=0/0

NOTES (6)
1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 14 lb uplift at joint 1 and 55 lb uplift at joint 2.
6) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints2 and 3.

LOAD CASE(S) Standard

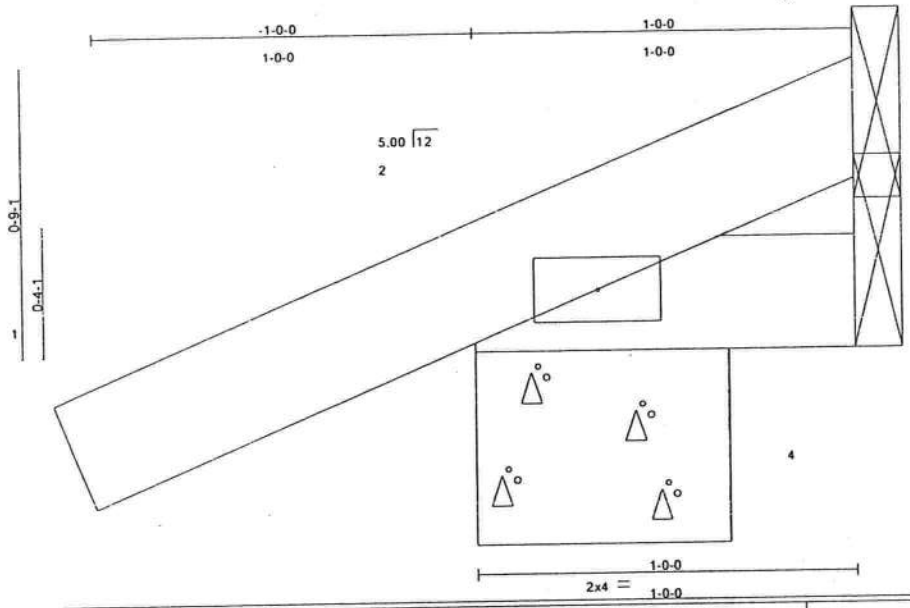
Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 27,2007

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585834
SUNBURY	J3F	JACK	2	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, Florida — 7.020 s Nov 9 2007 MiTek Industries, Inc. Thu Dec 27 10:03:10 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.10	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 5 lb	

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

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

REACTIONS (lb/size) 2=123/0-8-0, 4=18/Mechanical, 3=-10/Mechanical
Max Horz 2=45(LC 6)
Max Uplift 2=-114(LC 6), 3=-10(LC 1)
Max Grav 2=123(LC 1), 4=18(LC 1), 3=25(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/18, 2-3=-23/21
BOT CHORD 2-4=0/0

NOTES (6)
1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 114 lb uplift at joint 2 and 10 lb uplift at joint 3.
6) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 3 and 4.

LOAD CASE(S) Standard

MARVIN A. STRZYZEWSKI LICENSE No 43144 STATE OF FLORIDA PROFESSIONAL ENGINEER

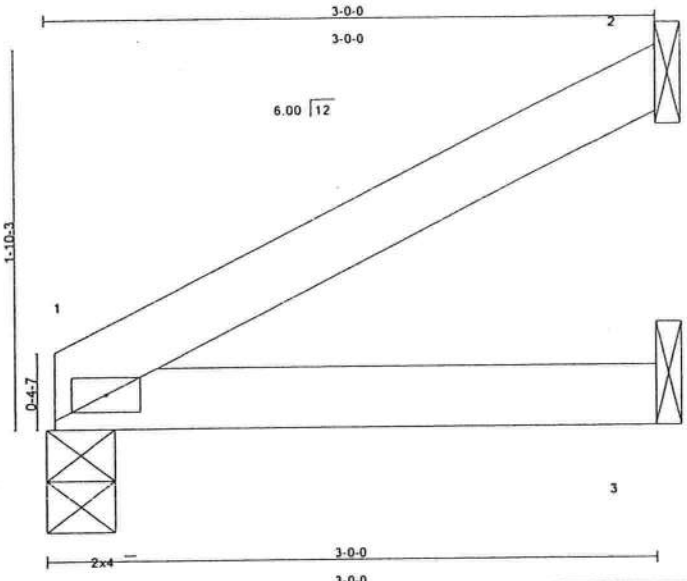
Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 27,2007

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585836
SUNBURY	J3S	JACK	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, Florida

7.020 s Nov 9 2007 MiTek Industries, Inc. Thu Dec 27 10:03:11 2007 Page 1



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LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.08	Vert(LL)	-0.00	1-3	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	-0.01	1-3	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 10 lb	

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

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

REACTIONS (lb/size) 1=117/0-4-0, 2=63/Mechanical, 3=55/Mechanical
Max Horz 1=63(LC 6)
Max Uplift1=-11(LC 6), 2=-62(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-49/24
BOT CHORD 1-3=0/0

NOTES (6)
1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 11 lb uplift at joint 1 and 62 lb uplift at joint 2.
6) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 2 and 3.

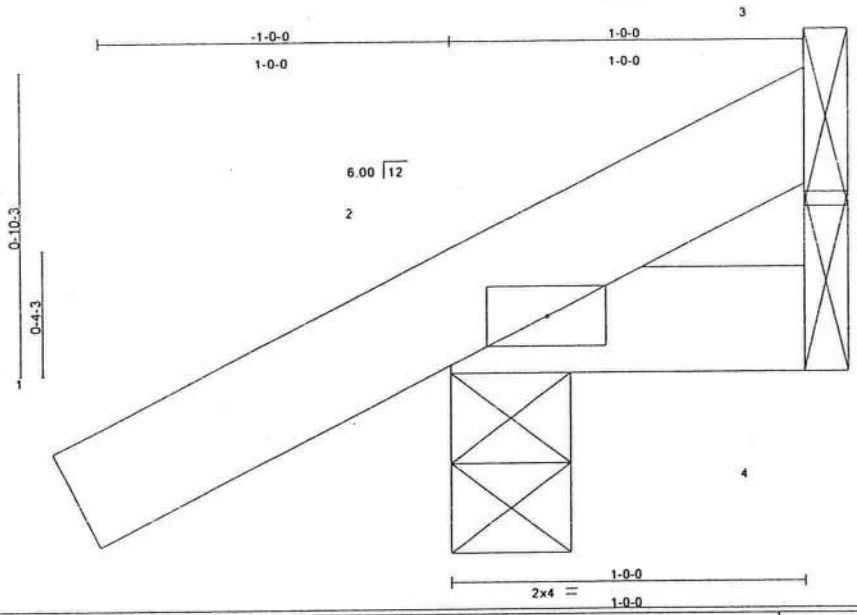
LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 27,2007

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585837
SUNBURY	J4	JACK	7	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, Florida — 7.020 s Nov 9 2007 MiTek Industries, Inc. Thu Dec 27 10:03:11 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.10	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 5 lb	

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

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

REACTIONS (lb/size) 2=121/0-4-0, 4=19/Mechanical, 3=-7/Mechanical
Max Horz 2=54(LC 6)
Max Uplift 2=-111(LC 6), 3=-7(LC 1)
Max Grav 2=121(LC 1), 4=19(LC 1), 3=22(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/21, 2-3=-25/22
BOT CHORD 2-4=0/0

NOTES (6)
1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 111 lb uplift at joint 2 and 7 lb uplift at joint 3.
6) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 3 and 4.

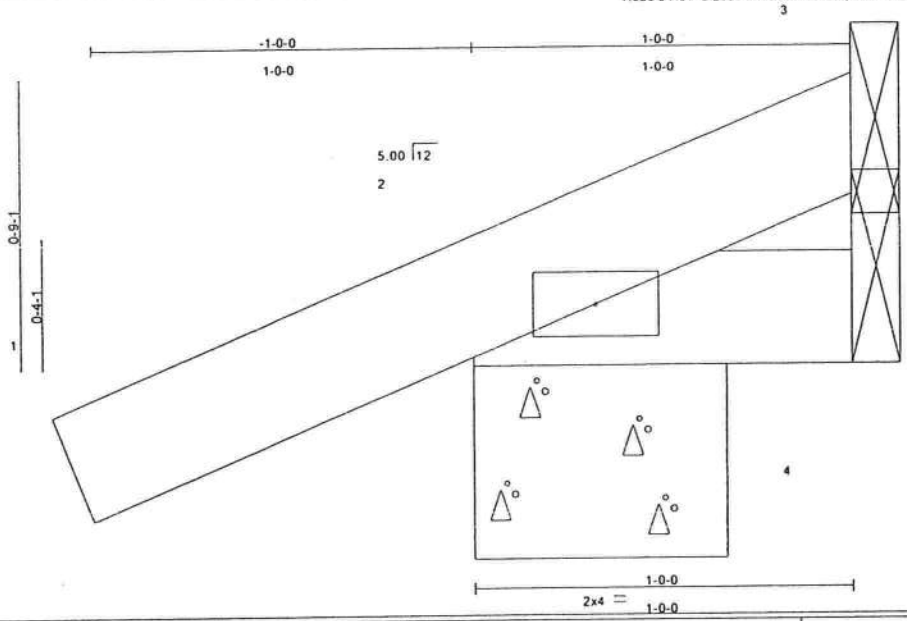
LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 27,2007

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585836
SUNBURY	J4B	JACK	5	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, Florida — 7.020 s Nov 9 2007 MiTek Industries, Inc. Thu Dec 27 10:03:11 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.10	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 5 lb	

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

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

REACTIONS (lb/size) 2=123/0-8-0, 4=18/Mechanical, 3=-10/Mechanical
Max Horz 2=45(LC 6)
Max Uplift 2=-114(LC 6), 3=-10(LC 1)
Max Grav 2=123(LC 1), 4=18(LC 1), 3=25(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/18, 2-3=-23/21
BOT CHORD 2-4=0/0

NOTES (6)
1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 114 lb uplift at joint 2 and 10 lb uplift at joint 3.
6) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 3 and 4.

LOAD CASE(S) Standard

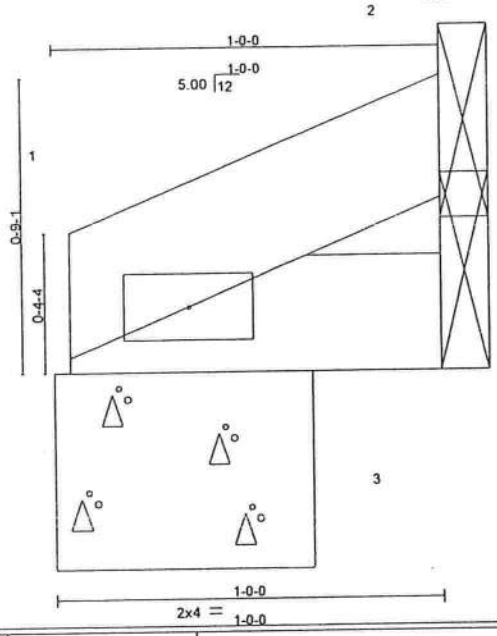
MARVIN A. STRZYZEWSKI LICENSE No 43144 STATE OF FLORIDA PROFESSIONAL ENGINEER

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 27,2007

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585840
SUNBURY	J4BS	JACK	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, Florida — 7.020 s Nov 9 2007 MiTek Industries, Inc. Thu Dec 27 10:03:12 2007 Page 1



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LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.01	Vert(LL)	-0.00	1	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	1	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 3 lb	

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

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

REACTIONS (lb/size) 1=38/0-8-0, 3=18/Mechanical, 2=20/Mechanical
Max Horz 1=18(LC 6)
Max Uplift1=-5(LC 6), 2=-19(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-14/7
BOT CHORD 1-3=0/0

NOTES (6)
1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 5 lb uplift at joint 1 and 19 lb uplift at joint 2.
6) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 2 and 3.

LOAD CASE(S) Standard

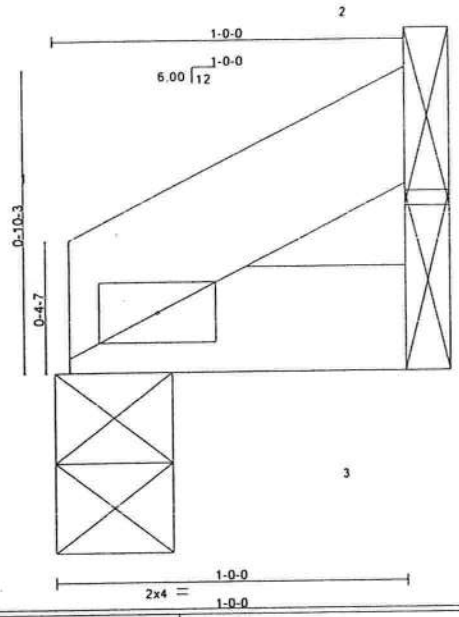
Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 27,2007

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585842
SUNBURY	J4S	JACK	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, Florida

7.020 s Nov 9 2007 MiTek Industries, Inc. Thu Dec 27 10:03:13 2007 Page 1



Scale = 1:6.2

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
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TCDL	7.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	1	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 3 lb	

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

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

REACTIONS (lb/size) 1=39/0-4-0, 3=18/Mechanical, 2=21/Mechanical
Max Horz 1=22(LC 6)
Max Uplift1=-3(LC 6), 2=-22(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-17/8
BOT CHORD 1-3=0/0

NOTES (6)
1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 3 lb uplift at joint 1 and 22 lb uplift at joint 2.
6) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 2 and 3.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 27,2007

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585847
SUNBURY	JGRD	MONO TRUSS	4	1	Job Reference (optional)	

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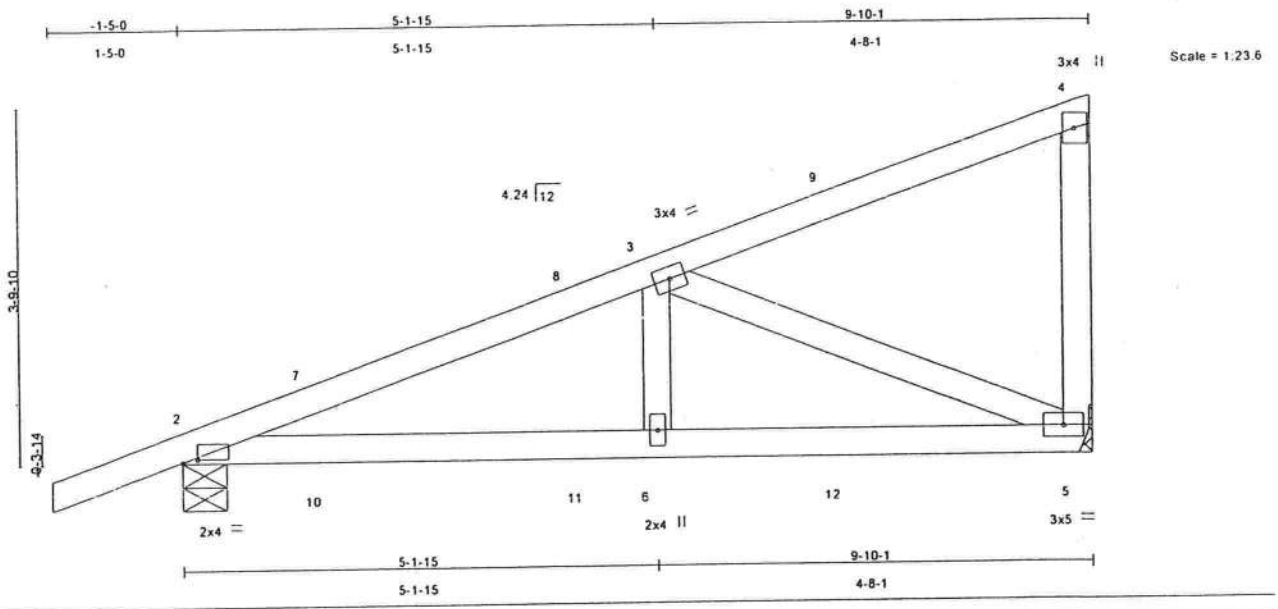

Plate Offsets (X,Y): [2:0-1-15,0-0-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.24	Vert(LL)	-0.03	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.33	Vert(TL)	-0.06	5-6	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.29	Horz(TL)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 46 lb	

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

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

REACTIONS (lb/size) 5=576/Mechanical, 2=536/0-5-11
Max Horz 2=174(LC 3)
Max Uplift5=-237(LC 3), 2=-169(LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/21, 2-7=-905/228, 7-8=-870/250, 3-8=-830/229, 3-9=-123/50, 4-9=-55/0, 4-5=-129/142
BOT CHORD 2-10=-302/815, 10-11=-302/815, 6-11=-302/815, 6-12=-302/815, 5-12=-302/815
WEBS 3-6=0/293, 3-5=-812/290

NOTES
1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 237 lb uplift at joint 5 and 169 lb uplift at joint 2.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 5 lb down and 33 lb up at 4-4-0, 5 lb down and 33 lb up at 4-4-0, 56 lb down and 100 lb up at 7-1-15, 56 lb down and 100 lb up at 7-1-15, and 38 lb down at 1-6-1, and 38 lb down at 1-6-1 on top chord, and 21 lb up at 1-6-1, 21 lb up at 1-6-1, 15 lb down at 4-4-0, 15 lb down at 4-4-0, and 55 lb down at 7-1-15, and 55 lb down at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-46, 2-5=-40
Concentrated Loads (lb)
Vert: 8=-10(F=-5, B=-5) 9=-113(F=-56, B=-56) 10=42(F=21, B=21) 11=-31(F=-15, B=-15) 12=-111(F=-55, B=-55)

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December 27,2007

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585849
SUNBURY	JGRDB	MONO TRUSS	3	1	Job Reference (optional)	

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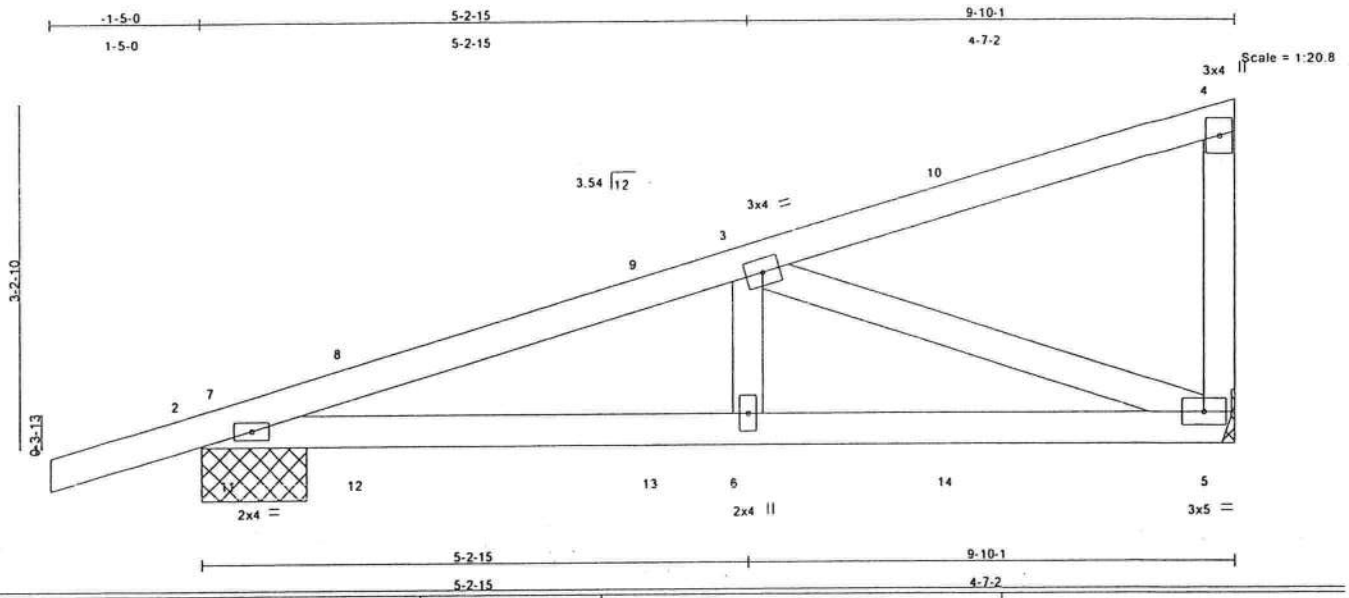

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.24	Vert(LL)	-0.03	2-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.34	Vert(TL)	-0.07	5-6	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.31	Horz(TL)	0.02	5	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(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.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 8-11-0 oc bracing.

REACTIONS (lb/size) 5=576/Mechanical, 2=486/1-0-1
Max Horz 2=144(LC 3)
Max Uplift5=-306(LC 3), 2=-219(LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/18, 2-7=-1022/437, 7-8=-1020/438, 8-9=-999/449, 3-9=-967/436, 3-10=-127/62, 4-10=-70/16, 4-5=-129/131
BOT CHORD	2-11=-490/957, 11-12=-490/957, 12-13=-490/957, 6-13=-490/957, 6-14=-490/957, 5-14=-490/957
WEBS	3-6=-17/280, 3-5=-933/466

NOTES

1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 306 lb uplift at joint 5 and 219 lb uplift at joint 2.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 18 lb down and 25 lb up at 1-6-12, 1 lb down and 19 lb up at 4-4-12, 14 lb down and 48 lb up at 4-4-12, 50 lb down and 84 lb up at 7-2-11, and 60 lb down and 101 lb up at 7-2-11, and 40 lb down at 1-6-13 on top chord, and 22 lb up at 1-6-13, 22 lb up at 1-6-12, 12 lb down and 49 lb up at 4-4-12, 12 lb down at 4-4-12, and 52 lb down and 78 lb up at 7-2-11, and 52 lb down at 7-2-11 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-46, 2-7=-14, 4-7=-46, 2-11=-20, 5-11=-40
Concentrated Loads (lb)
Vert: 8=25(F) 9=-11(F=-14, B=3) 10=-110(F=-60, B=-50) 12=43(F=22, B=22) 13=-24(F=-12, B=-12) 14=-104(F=-52, B=-52)

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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 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.

ENGINEERING BY TRENCO
A MiTek Affiliate
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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585853
SUNBURY	JGRDF	JACK	1	1	Job Reference (optional)	

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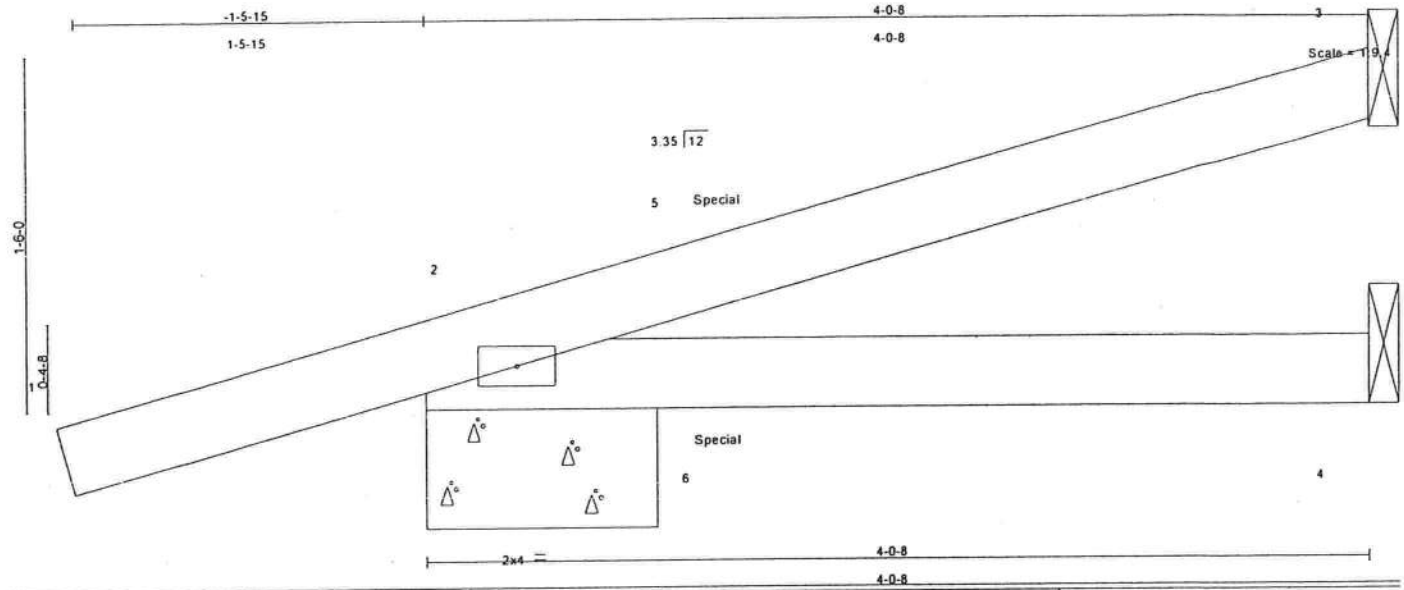

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.17	Vert(LL)	0.02	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.12	Vert(TL)	-0.02	2-4	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 15 lb	

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

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

REACTIONS (lb/size) 3=62/Mechanical, 2=249/0-11-15, 4=67/Mechanical
Max Horz 2=72(LC 3)
Max Uplift3=-34(LC 7), 2=-207(LC 7), 4=-37(LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/16, 2-5=-33/0, 3-5=-18/14
BOT CHORD 2-6=0/0, 4-6=0/0

NOTES (8)
1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise); porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 34 lb uplift at joint 3, 207 lb uplift at joint 2 and 37 lb uplift at joint 4.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 48 lb down at 1-3-5 on top chord, and 22 lb up at 1-3-5 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
8) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 3 and 4.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-46, 2-4=-40
Concentrated Loads (lb)
Vert: 6=22(B)

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December 27,2007

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585855
SUNBURY	JS1	MONO SCISSOR	9	1	Job Reference (optional)	

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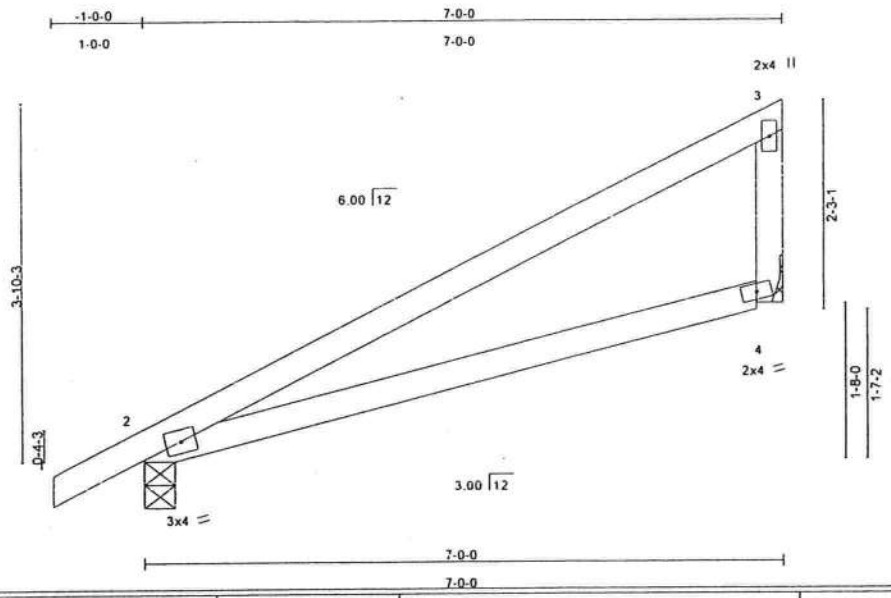


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.44	Vert(LL)	-0.11	2-4	>742	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.42	Vert(TL)	-0.27	2-4	>297	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.03	Horz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 27 lb	

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

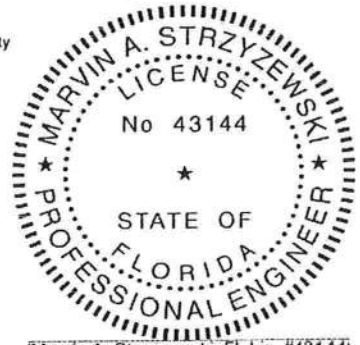
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=346/0-4-0, 4=283/Mechanical
Max Horz 2=173(LC 6)
Max Uplift2=-105(LC 6), 4=-102(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/18, 2-3=-108/55
BOT CHORD 2-4=-26/26
WEBS 3-4=-149/176

NOTES
1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) 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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 105 lb uplift at joint 2 and 102 lb uplift at joint 4.

LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585856
SUNBURY	JS2	MONO SCISSOR	4	1	Job Reference (optional)	

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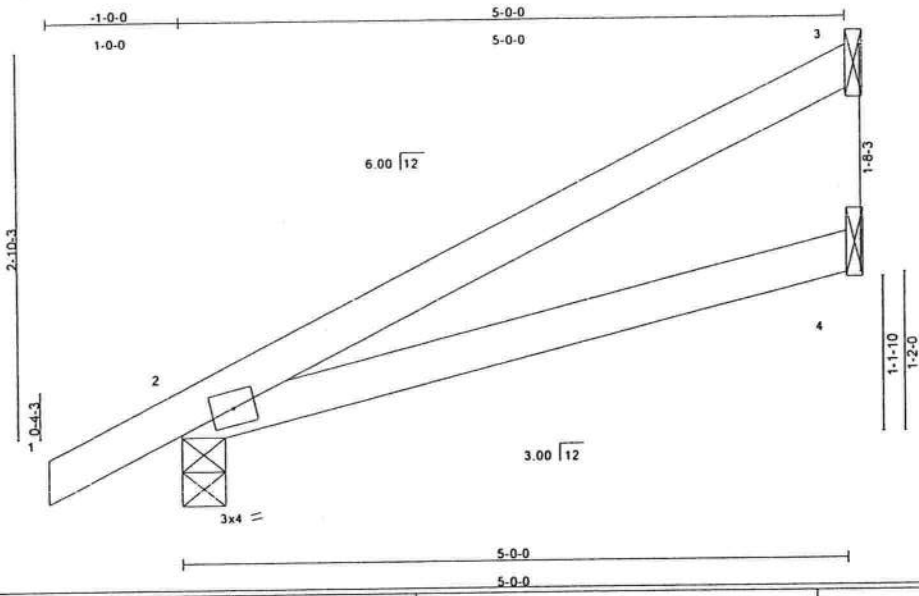

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.21	Vert(LL)	-0.03	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.22	Vert(TL)	-0.07	2-4	>817	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 18 lb	

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

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

REACTIONS (lb/size) 3=103/Mechanical, 2=265/0-4-0, 4=95/Mechanical
Max Horz 2=133(LC 6)
Max Uplift 3=-98(LC 6), 2=-98(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/18, 2-3=-76/38
BOT CHORD 2-4=-19/19

NOTES (7)
1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) 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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 98 lb uplift at joint 3 and 98 lb uplift at joint 2.
7) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 3 and 4.

LOAD CASE(S) Standard

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December 27,2007

ENGINEERING BY TRENCO
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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585857
SUNBURY	JS3	MONO SCISSOR	4	1	Job Reference (optional)	

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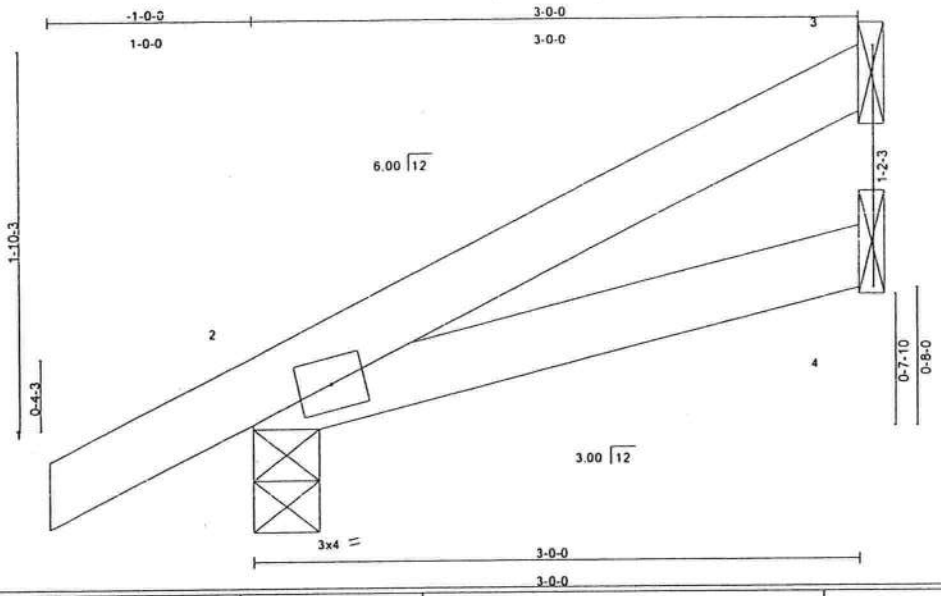

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.11	Vert(LL)	-0.00	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	-0.01	2-4	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 12 lb	

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

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

REACTIONS (lb/size) 3=52/Mechanical, 2=184/0-4-0, 4=55/Mechanical
Max Horz 2=92(LC 6)
Max Uplift3=-48(LC 6), 2=-94(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/18, 2-3=-38/19
BOT CHORD 2-4=-11/11

NOTES (7)
1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) 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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 48 lb uplift at joint 3 and 94 lb uplift at joint 2.
7) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 3 and 4.

LOAD CASE(S) Standard

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Edenton, NC 27932
FL COA #7239

December 27,2007

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585858
SUNBURY	JS4	MONO SCISSOR	4	1	Job Reference (optional)	

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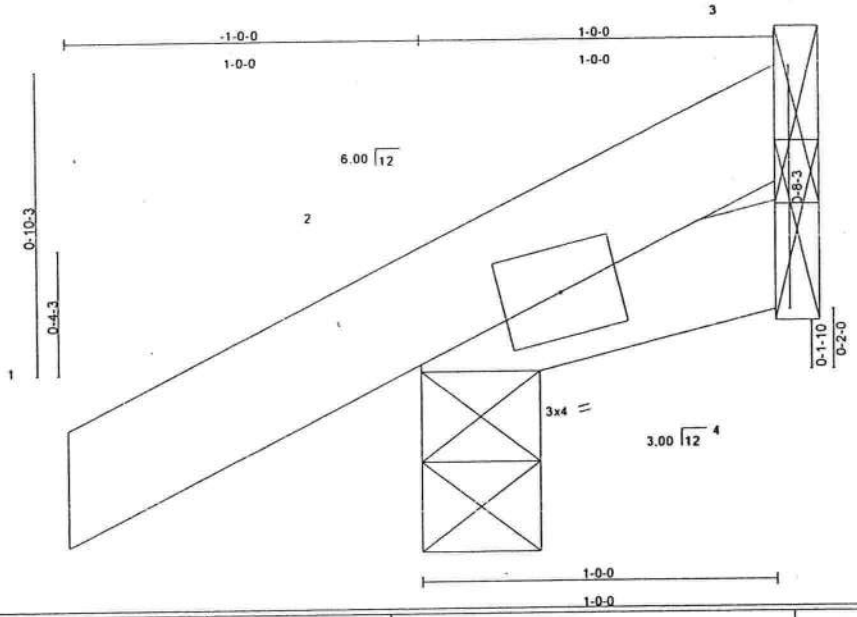

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.09	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 5 lb	

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

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

REACTIONS (lb/size) 2=114/0-4-0, 4=19/Mechanical, 3=-4/Mechanical
Max Horz 2=51(LC 6)
Max Uplift 2=-98(LC 6), 3=-7(LC 5)
Max Grav 2=114(LC 1), 4=19(LC 1), 3=14(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/17, 2-3=-25/17
BOT CHORD 2-4=-4/4

NOTES (7)
1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) 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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 98 lb uplift at joint 2 and 7 lb uplift at joint 3.
7) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 3 and 4.

LOAD CASE(S) Standard

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Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 27,2007

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585864
SUNBURY	JSGRD	MONO SCISSOR	2	1	Job Reference (optional)	

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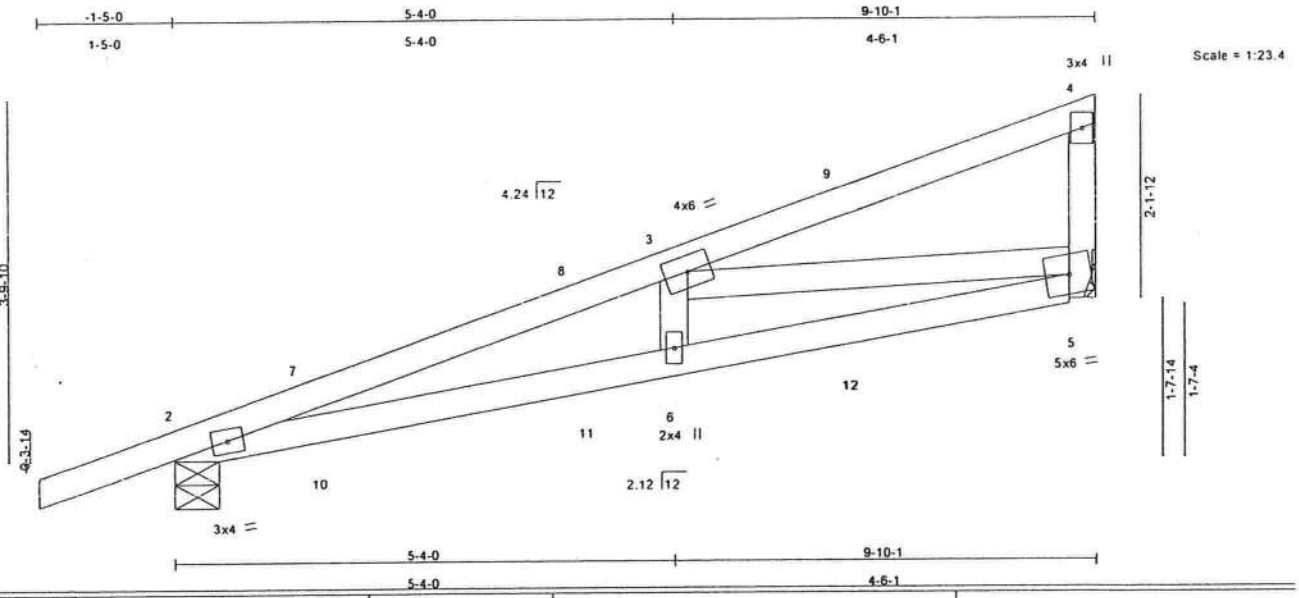

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.30	Vert(LL)	-0.06	2-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.46	Vert(TL)	-0.11	2-6	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.36	Horz(TL)	0.02	5	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 42 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-1-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-5-5 oc bracing.

REACTIONS (lb/size) 2=536/0-5-11, 5=580/Mechanical
Max Horz 2=173(LC 3)
Max Uplift 2=-180(LC 3), 5=-248(LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/19, 2-7=-1496/472, 7-8=-1456/490, 3-8=-1423/473, 3-9=-210/95, 4-9=-143/35, 4-5=-110/132
BOT CHORD 2-10=-543/1378, 10-11=-534/1381, 6-11=-533/1403, 6-12=-547/1371, 5-12=-539/1407
WEBS 3-6=0/273, 3-5=-1212/455

NOTES
1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) 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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 180 lb uplift at joint 2 and 248 lb uplift at joint 5.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 6 lb down and 38 lb up at 4-4-12, 6 lb down and 38 lb up at 4-4-12, 57 lb down and 103 lb up at 7-2-11, 57 lb down and 103 lb up at 7-2-11, and 35 lb down at 1-6-12, and 35 lb down at 1-6-12 on top chord, and 21 lb up at 1-6-12, 21 lb up at 1-6-12, 15 lb down at 4-4-12, 15 lb down at 4-4-12, and 55 lb down at 7-2-11, and 55 lb down at 7-2-11 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-46, 2-5=-40
Concentrated Loads (lb)
Vert: 8=-13(F=-6, B=-6) 9=-114(F=-57, B=-57) 10=42(F=21, B=21) 11=-31(F=-15, B=-15) 12=-111(F=-55, B=-55)

MARVIN A. STRZYZEWSKI LICENSE No 43144 STATE OF FLORIDA PROFESSIONAL ENGINEER

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Truss Engineering Co.
818 Soundside Road
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FL COA #7239

December 27,2007

ENGINEERING BY TRENCO A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125 E4585868
SUNBURY	MHGRDF	MONO HIP	1	1	Job Reference (optional)

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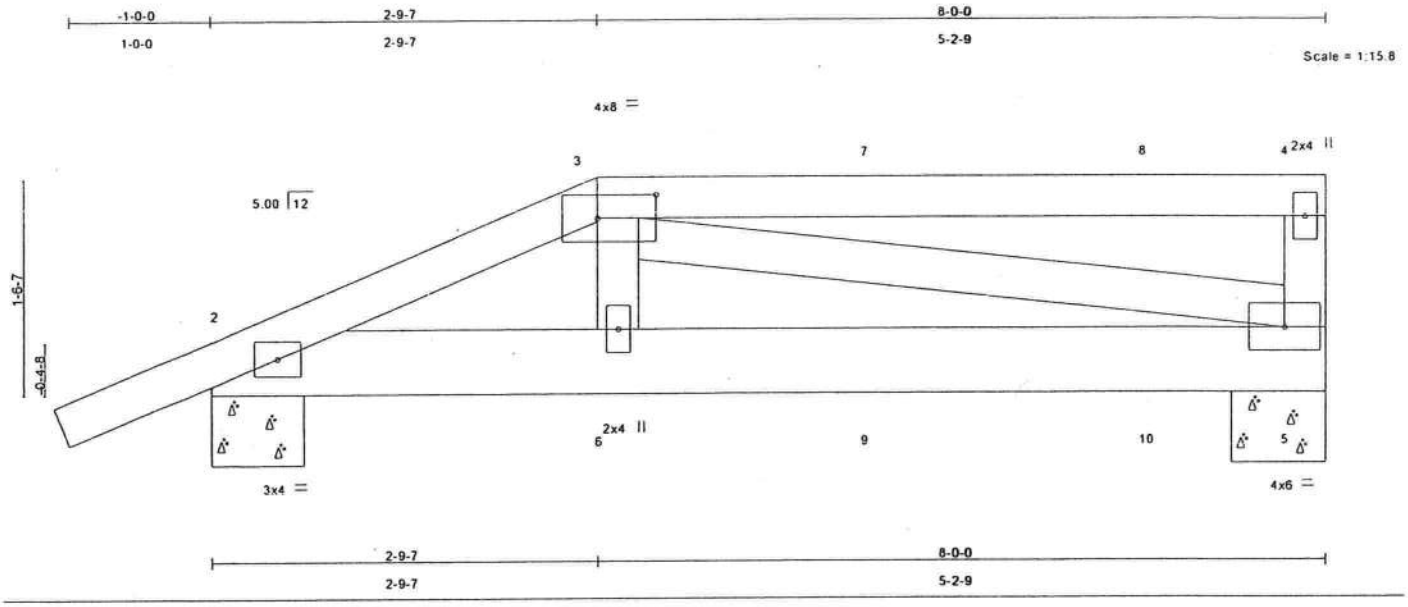

Plate Offsets (X,Y): [3:0-5-0,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.32	Vert(LL)	0.02	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.21	Vert(TL)	-0.03	5-6	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.23	Horz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 42 lb	

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

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

REACTIONS (lb/size) 5=368/0-8-0, 2=445/0-8-0
Max Horz 2=78(LC 5)
Max Uplift5=-231(LC 8), 2=-327(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/20, 2-3=-655/387, 3-7=0/0, 7-8=0/0, 4-8=0/0, 4-5=-121/96
BOT CHORD 2-6=-360/563, 6-9=-370/591, 9-10=-370/591, 5-10=-370/591
WEBS 3-6=-82/239, 3-5=-606/380

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise); porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Concentrated loads from layout are not present in Load Case(s): #9 1st unbalanced Regular; #10 2nd unbalanced Regular.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 231 lb uplift at joint 5 and 327 lb uplift at joint 2.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 19 lb down and 76 lb up at 2-9-7, and 4 lb down and 42 lb up at 4-10-3, and 4 lb down and 42 lb up at 6-10-3 on top chord, and 44 lb down at 2-9-7, and 16 lb down at 4-10-3, and 16 lb down at 6-10-3 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-46, 3-4=-46, 2-5=-40
Concentrated Loads (lb)
Vert: 3=-19(B) 6=-44(B) 7=-4(B) 8=-4(B) 9=-16(B) 10=-16(B)

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December 27,2007

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585870
SUNBURY	RG1	GABLE	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, Florida

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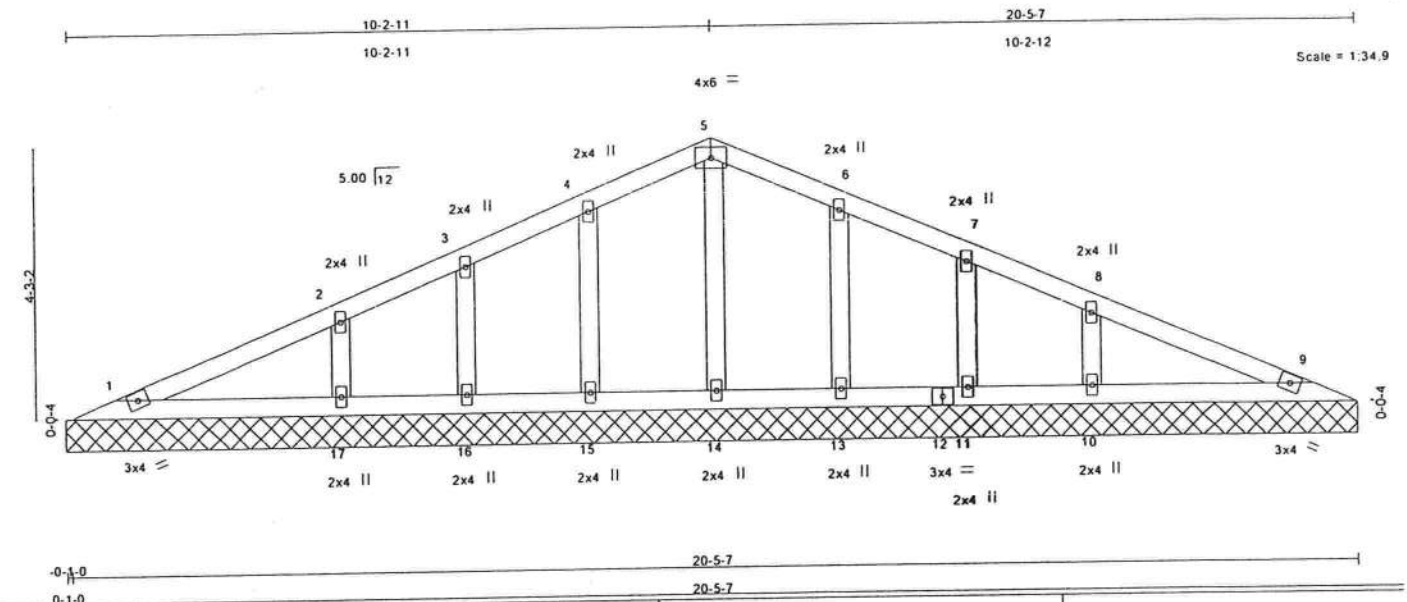

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.03	Horz(TL)	0.00	9	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 85 lb	

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

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

REACTIONS (lb/size) 1=127/20-6-7, 9=124/20-6-7, 14=159/20-6-7, 15=186/20-6-7, 16=116/20-6-7, 17=311/20-6-7, 13=188/20-6-7, 11=119/20-6-7, 10=303/20-6-7
Max Horz 1=-72(LC 7)
Max Uplift 1=-38(LC 7), 9=-37(LC 7), 15=-104(LC 6), 16=-69(LC 6), 17=-178(LC 6), 13=-106(LC 7), 11=-70(LC 7), 10=-174(LC 7)
Max Grav 1=127(LC 1), 9=124(LC 1), 14=159(LC 1), 15=189(LC 10), 16=116(LC 1), 17=311(LC 10), 13=191(LC 11), 11=119(LC 1), 10=304(LC 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-76/31, 2-3=-34/86, 3-4=-23/118, 4-5=-25/174, 5-6=-25/174, 6-7=-22/113, 7-8=-32/64, 8-9=-45/31
BOT CHORD 1-17=0/78, 16-17=0/78, 15-16=0/78, 14-15=0/78, 13-14=0/78, 12-13=0/78, 11-12=0/78, 10-11=0/78, 9-10=0/78
WEBS 5-14=-83/0, 4-15=-101/138, 3-16=-65/109, 2-17=-162/218, 6-13=-103/142, 7-11=-66/110, 8-10=-159/214

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1-2002.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Gable studs spaced at 2-0-0 oc.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 38 lb uplift at joint 1, 37 lb uplift at joint 9, 104 lb uplift at joint 15, 69 lb uplift at joint 16, 178 lb uplift at joint 17, 106 lb uplift at joint 13, 70 lb uplift at joint 11 and 174 lb uplift at joint 10.
8) Non Standard bearing condition. Review required.

LOAD CASE(S) Standard

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FL COA #7239

December 27,2007

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585871
SUNBURY	RG2	GABLE	1	1	Job Reference (optional)	

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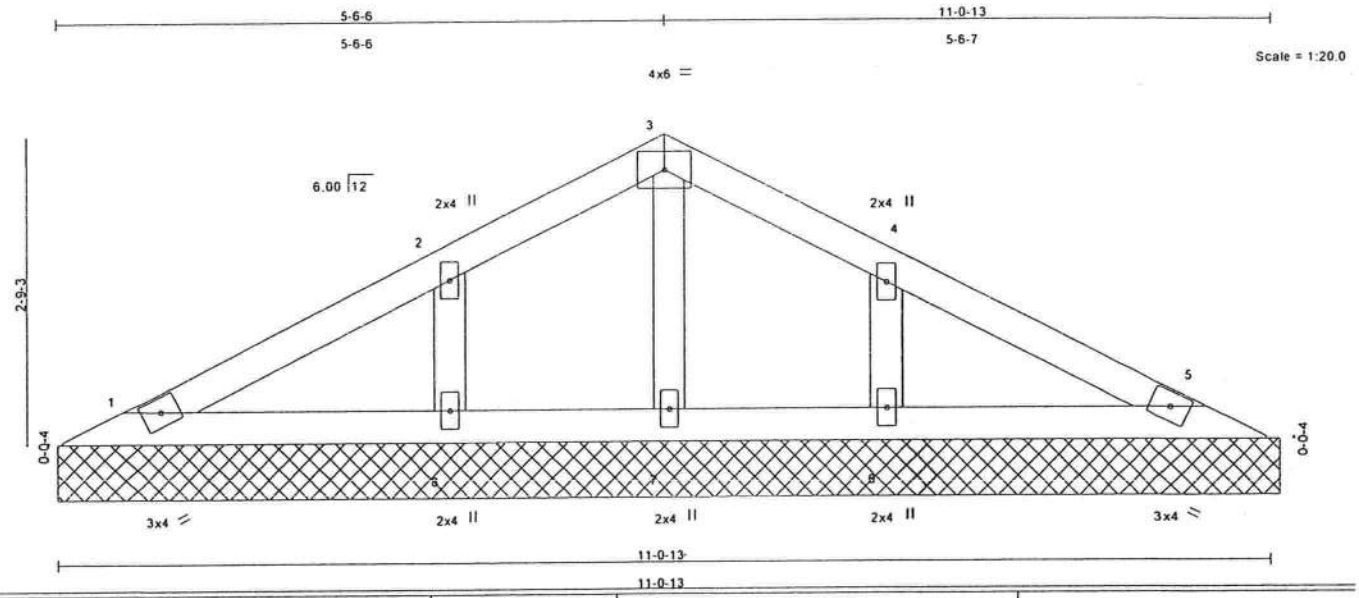

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.03	Horz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 40 lb	

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

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

REACTIONS (lb/size) 1=106/11-1-13, 5=103/11-1-13, 7=105/11-1-13, 8=268/11-1-13, 6=264/11-1-13
Max Horz 1=-46(LC 4)
Max Uplift 1=-35(LC 7), 5=-38(LC 7), 8=-167(LC 6), 6=-165(LC 7)
Max Grav 1=106(LC 1), 5=103(LC 1), 7=105(LC 1), 8=269(LC 10), 6=264(LC 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-34/34, 2-3=-34/117, 3-4=-33/114, 4-5=-25/30
BOT CHORD 1-8=0/54, 7-8=0/54, 6-7=0/55, 5-6=0/55
WEBS 3-7=-56/7, 2-8=-141/234, 4-6=-139/233

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1-2002.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Gable studs spaced at 2-0-0 oc.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 35 lb uplift at joint 1, 38 lb uplift at joint 5, 167 lb uplift at joint 8 and 165 lb uplift at joint 6.
8) Non Standard bearing condition. Review required.

LOAD CASE(S) Standard

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December 27,2007

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585873
SUNBURY	T1	COMMON	6	1	Job Reference (optional)	

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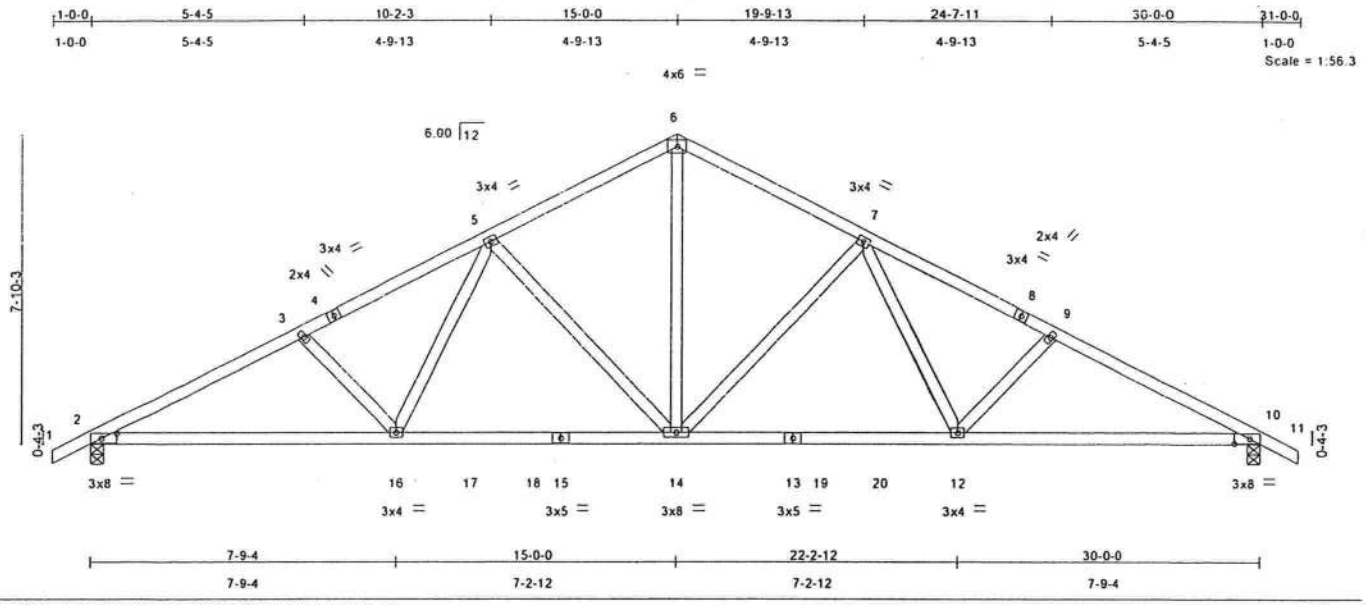

Plate Offsets (X,Y): [2:0-4-12,0-1-8], [10:0-4-12,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.31	Vert(LL)	-0.18	14-16	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.66	Vert(TL)	-0.32	14-16	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.43	Horz(TL)	0.10	10	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 155 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-8-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-8-14 oc bracing.

REACTIONS (lb/size) 2=1392/0-4-0, 10=1392/0-4-0
Max Horz 2=-137(LC 7)
Max Uplift 2=-309(LC 6), 10=-309(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/20, 2-3=-2441/724, 3-4=-2287/666, 4-5=-2233/682, 5-6=-1589/568, 6-7=-1589/568, 7-8=-2233/682, 8-9=-2287/666, 9-10=-2441/724, 10-11=0/20
BOT CHORD 2-16=-519/2136, 16-17=-342/1760, 17-18=-342/1760, 15-18=-342/1760, 14-15=-342/1760, 13-14=-342/1760, 13-19=-342/1760, 19-20=-342/1760, 12-20=-342/1760, 10-12=-519/2136
WEBS 3-16=-205/215, 5-16=-70/561, 5-14=-568/272, 6-14=-314/1144, 7-14=-568/272, 7-12=-70/561, 9-12=-205/215

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 309 lb uplift at joint 2 and 309 lb uplift at joint 10.

LOAD CASE(S) Standard

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Edenton, NC 27932
FL COA #7239

December 27,2007

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585878
SUNBURY	T1BS	COMMON	2	1	Job Reference (optional)	

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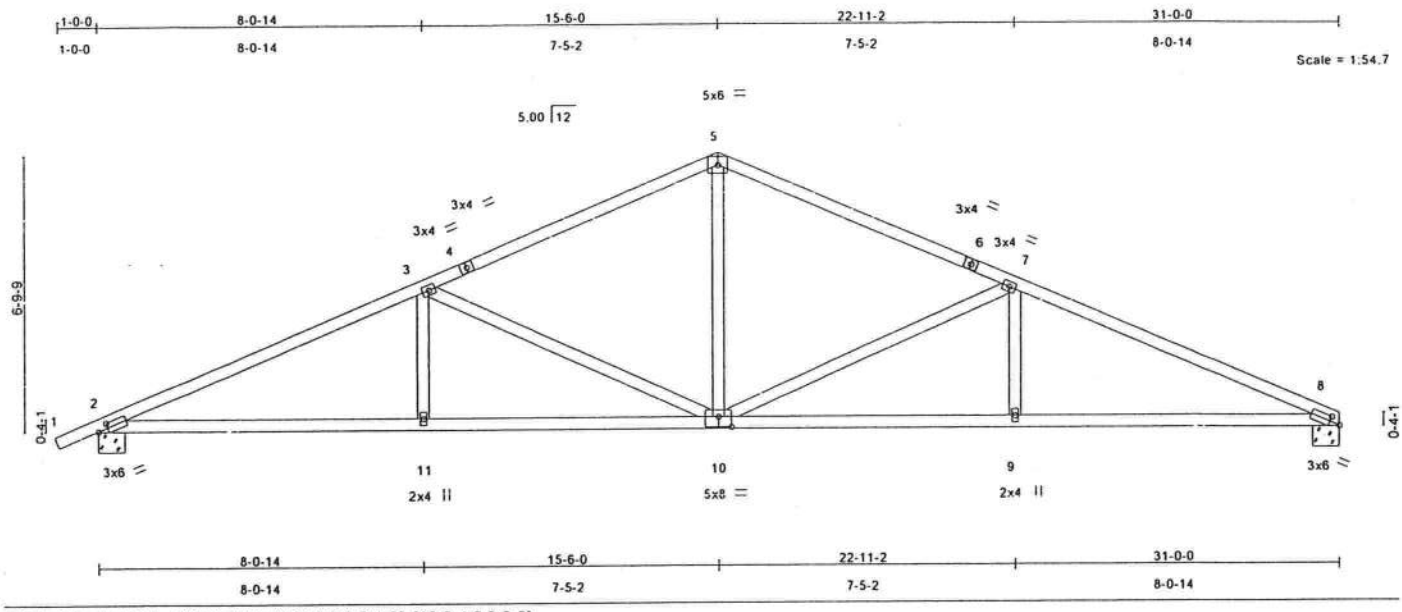

Plate Offsets (X,Y): [2:0-3-0,0-1-8], [8:0-3-0,0-1-8], [10:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.53	Vert(LL)	-0.20	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.83	Vert(TL)	-0.42	8-9	>874	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.89	Horz(TL)	0.12	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 140 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-3-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-5-6 oc bracing.

REACTIONS (lb/size) 2=1370/0-8-0, 8=1303/0-8-0
Max Horz 2=126(LC 6)
Max Uplift2=-332(LC 6), 8=-250(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/18, 2-3=-2604/783, 3-4=-1774/597, 4-5=-1706/619, 5-6=-1706/620, 6-7=-1775/598, 7-8=-2613/804
BOT CHORD 2-11=-626/2342, 10-11=-626/2342, 9-10=-649/2351, 8-9=-649/2351
WEBS 3-11=0/340, 3-10=-869/328, 5-10=-190/986, 7-10=-880/352, 7-9=0/345

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 332 lb uplift at joint 2 and 250 lb uplift at joint 8.

LOAD CASE(S) Standard

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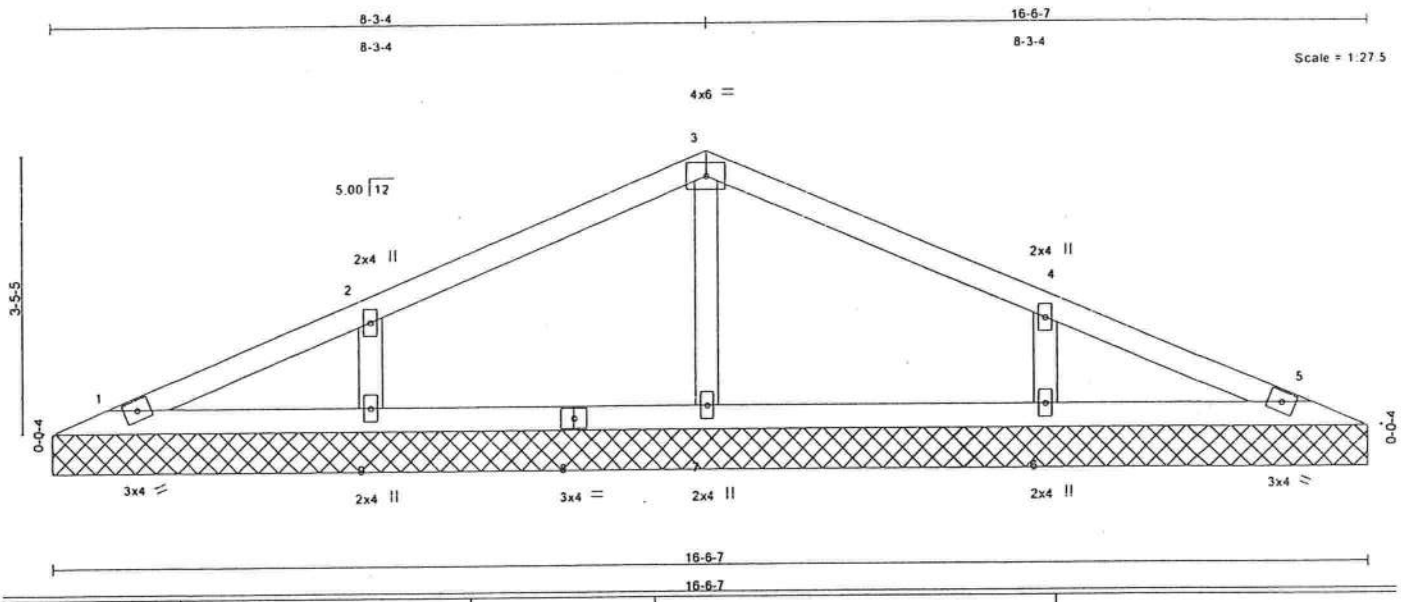
FL COA #7239

December 27,2007

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585881
SUNBURY	V1A	VALLEY	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, Florida — 7.020 s Nov 9 2007 MiTek Industries, Inc. Thu Dec 27 10:03:32 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.11	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.03	Horz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 56 lb	

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

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

REACTIONS (lb/size) 1=110/16-6-7, 5=110/16-6-7, 7=359/16-6-7, 6=359/16-6-7, 9=359/16-6-7
Max Horz 1=48(LC 6)
Max Uplift 1=-18(LC 7), 5=-17(LC 7), 7=-23(LC 6), 6=-123(LC 7), 9=-123(LC 6)
Max Grav 1=110(LC 1), 5=110(LC 1), 7=359(LC 1), 6=369(LC 11), 9=369(LC 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-41/35, 2-3=-54/86, 3-4=-54/86, 4-5=-33/26
BOT CHORD 1-9=0/38, 8-9=0/38, 7-8=0/38, 6-7=0/38, 5-6=0/38
WEBS 3-7=-186/110, 4-6=-201/184, 2-9=-201/184

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) Gable requires continuous bottom chord bearing.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 18 lb uplift at joint 1, 17 lb uplift at joint 5, 23 lb uplift at joint 7, 123 lb uplift at joint 6 and 123 lb uplift at joint 9.

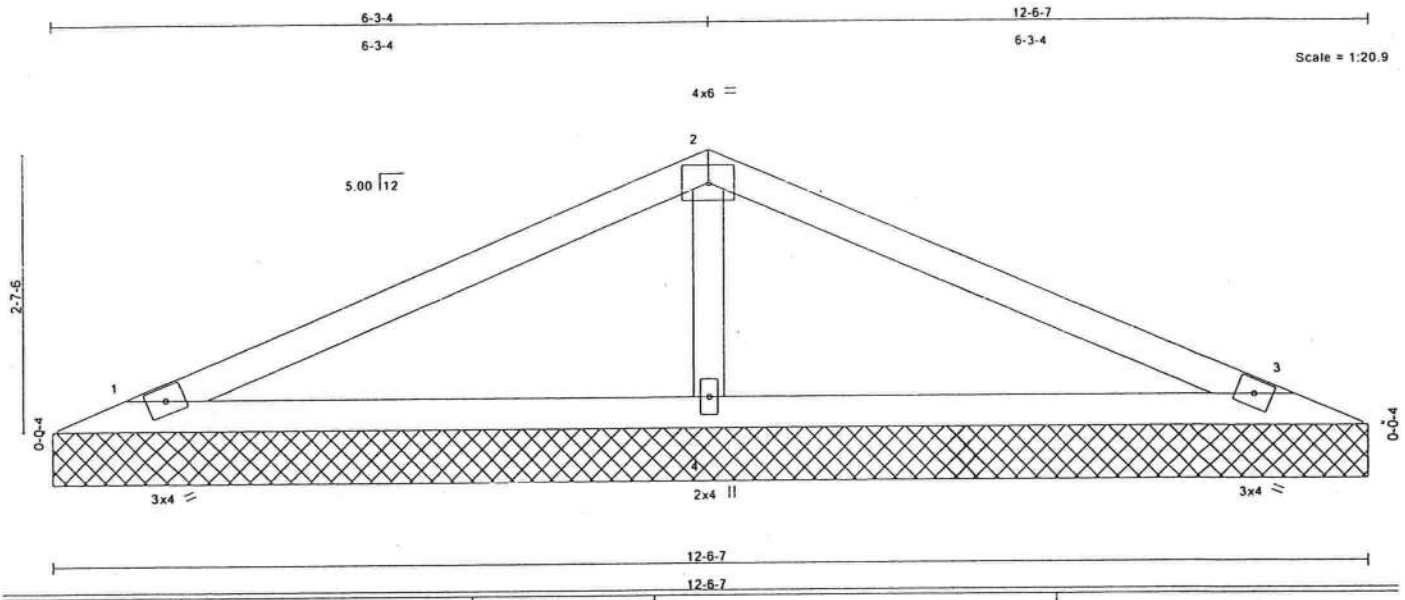
LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 27,2007

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585882
SUNBURY	V1B	VALLEY	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, Florida — 7.020 s Nov 9 2007 MiTek Industries, Inc. Thu Dec 27 10:03:32 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.22	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.31	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.03	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 39 lb	

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

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

REACTIONS (lb/size) 1=190/12-6-7, 3=190/12-6-7, 4=572/12-6-7
Max Horz 1=35(LC 6)
Max Uplift 1=-50(LC 6), 3=-56(LC 7), 4=-83(LC 6)
Max Grav 1=198(LC 10), 3=198(LC 11), 4=572(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-58/53, 2-3=-58/51
BOT CHORD 1-4=0/28, 3-4=0/28
WEBS 2-4=-289/208

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) Gable requires continuous bottom chord bearing.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 50 lb uplift at joint 1, 56 lb uplift at joint 3 and 83 lb uplift at joint 4.

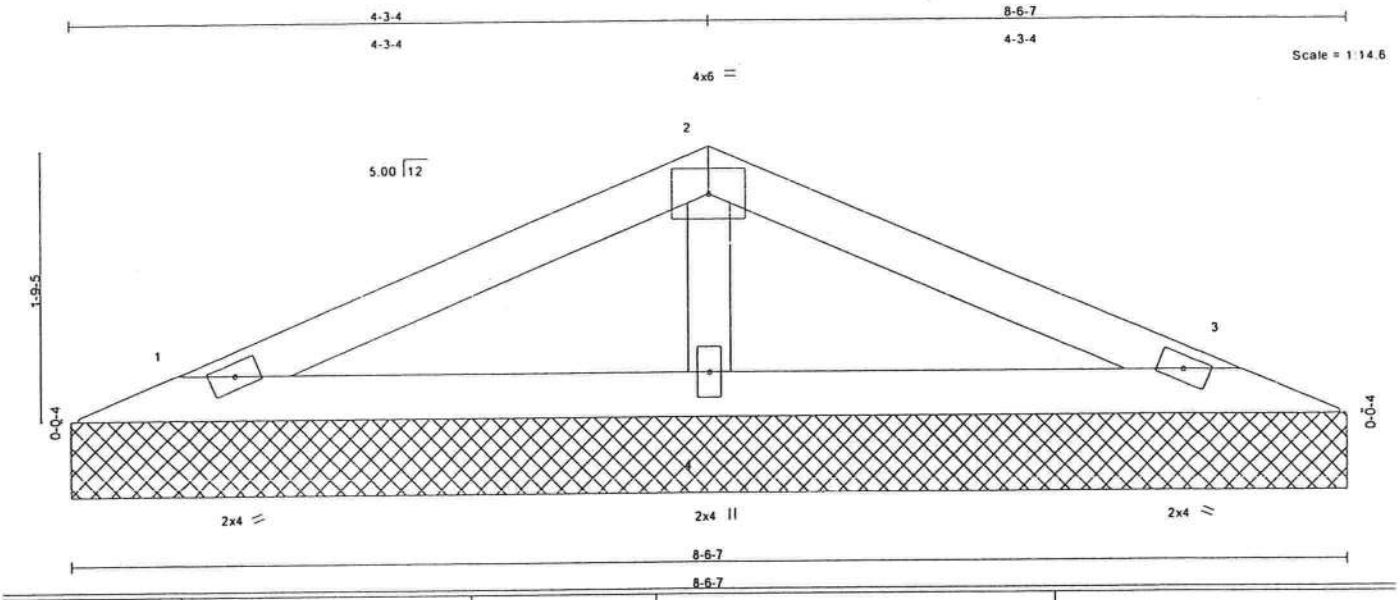
LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 27,2007

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585883
SUNBURY	V1C	GABLE	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, Florida — 7.020 s Nov 9 2007 MiTek Industries, Inc. Thu Dec 27 10:03:33 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.12	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.02	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 26 lb	

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

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

REACTIONS (lb/size) 1=139/8-6-7, 3=139/8-6-7, 4=330/8-6-7
Max Horz 1=-22(LC 7)
Max Uplift 1=-45(LC 6), 3=-49(LC 7), 4=-27(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-38/34, 2-3=-38/32
BOT CHORD 1-4=0/15, 3-4=0/15
WEBS 2-4=-153/125

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 45 lb uplift at joint 1, 49 lb uplift at joint 3 and 27 lb uplift at joint 4.
6) Non Standard bearing condition. Review required.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 27,2007

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585884
SUNBURY	V1D	VALLEY	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, Florida — 7.020 s Nov 9 2007 MiTek Industries, Inc. Thu Dec 27 10:03:33 2007 Page 1

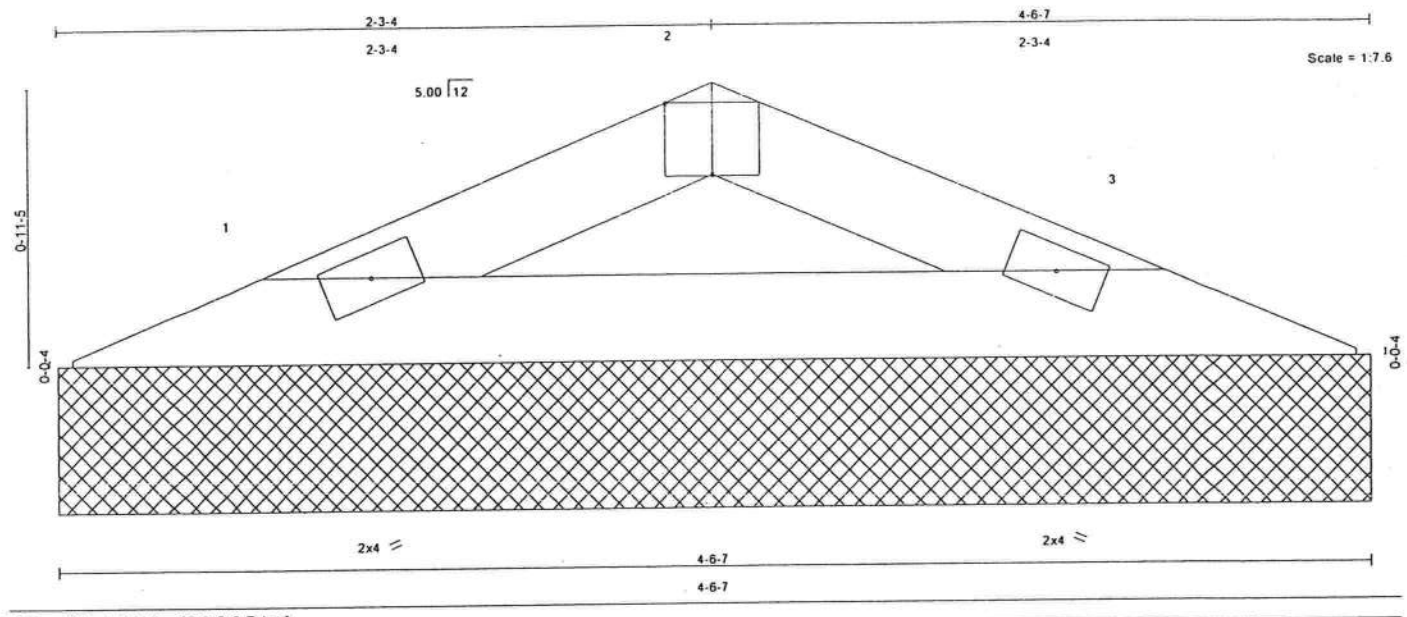


Plate Offsets (X,Y): [2:0-2-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.03	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 12 lb	

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

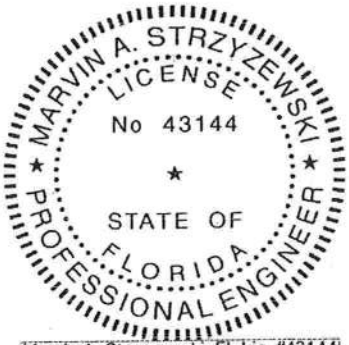
BRACING
TOP CHORD Structural wood sheathing directly applied or 4-6-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=132/4-6-7, 3=132/4-6-7
Max Horz 1=10(LC 6)
Max Uplift 1=-26(LC 6), 3=-26(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-103/88, 2-3=-103/88
BOT CHORD 1-3=-63/85

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) Gable requires continuous bottom chord bearing.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 26 lb uplift at joint 1 and 26 lb uplift at joint 3.

LOAD CASE(S) Standard



Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 27,2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 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.

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585885
SUNBURY	V2A	VALLEY	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, Florida — 7.020 s Nov 9 2007 MiTek Industries, Inc. Thu Dec 27 10:03:34 2007 Page 1

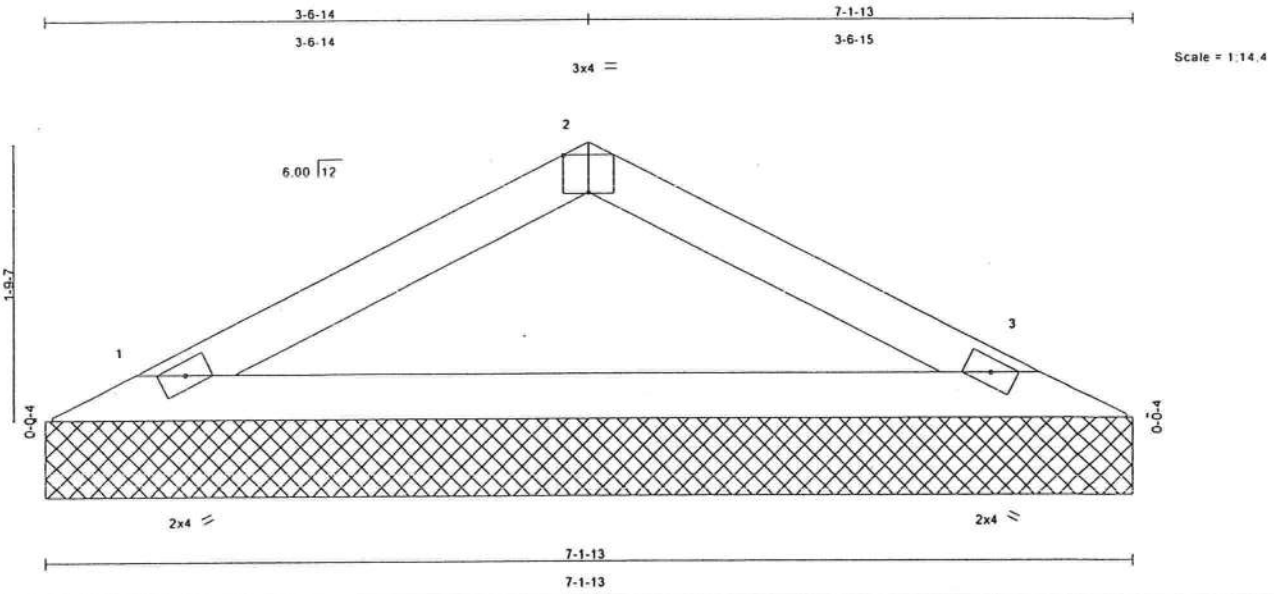


Plate Offsets (X,Y): [2:0-2-0,Edge]

LOADING (psf)			SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0		Plates Increase	1.25	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0		Lumber Increase	1.25	BC	0.36	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0	*	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0		Code FBC2004/TPI2002		(Matrix)							Weight: 20 lb	

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

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

REACTIONS (lb/size) 1=254/7-1-13, 3=254/7-1-13
Max Horz 1=-24(LC 4)
Max Uplift1=-48(LC 6), 3=-48(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-176/143, 2-3=-176/143
BOT CHORD 1-3=-87/136

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) Gable requires continuous bottom chord bearing.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 48 lb uplift at joint 1 and 48 lb uplift at joint 3.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 27,2007

Job	Truss	Truss Type	3x4 =	Qty	Ply	SUNBURY_FLORIDA_125	E4585886
SUNBURY	V28	VALLEY		1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, Florida — 7.020 s Nov 9 2007 MiTek Industries, Inc. Thu Dec 27 10:03:34 2007 Page 1

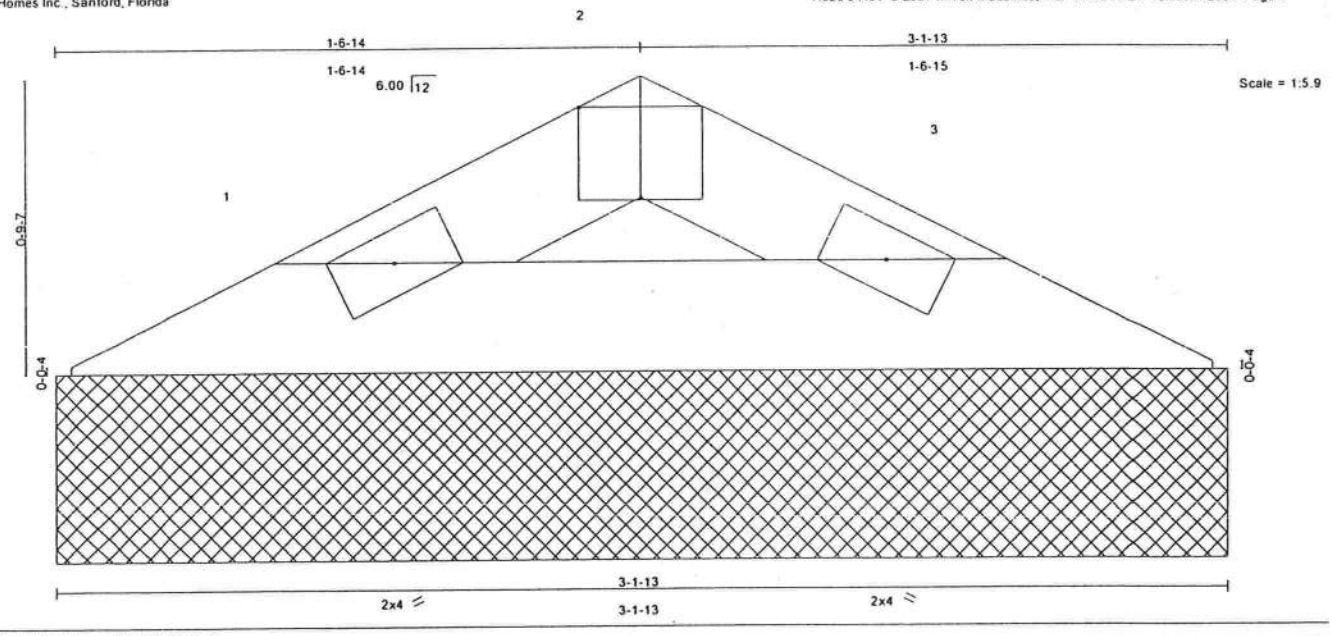


Plate Offsets (X,Y): [2:0-2-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.02	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.04	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 8 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-1-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=82/3-1-13, 3=82/3-1-13
Max Horz 1=-8(LC 4)
Max Uplift1=-16(LC 6), 3=-16(LC 7)

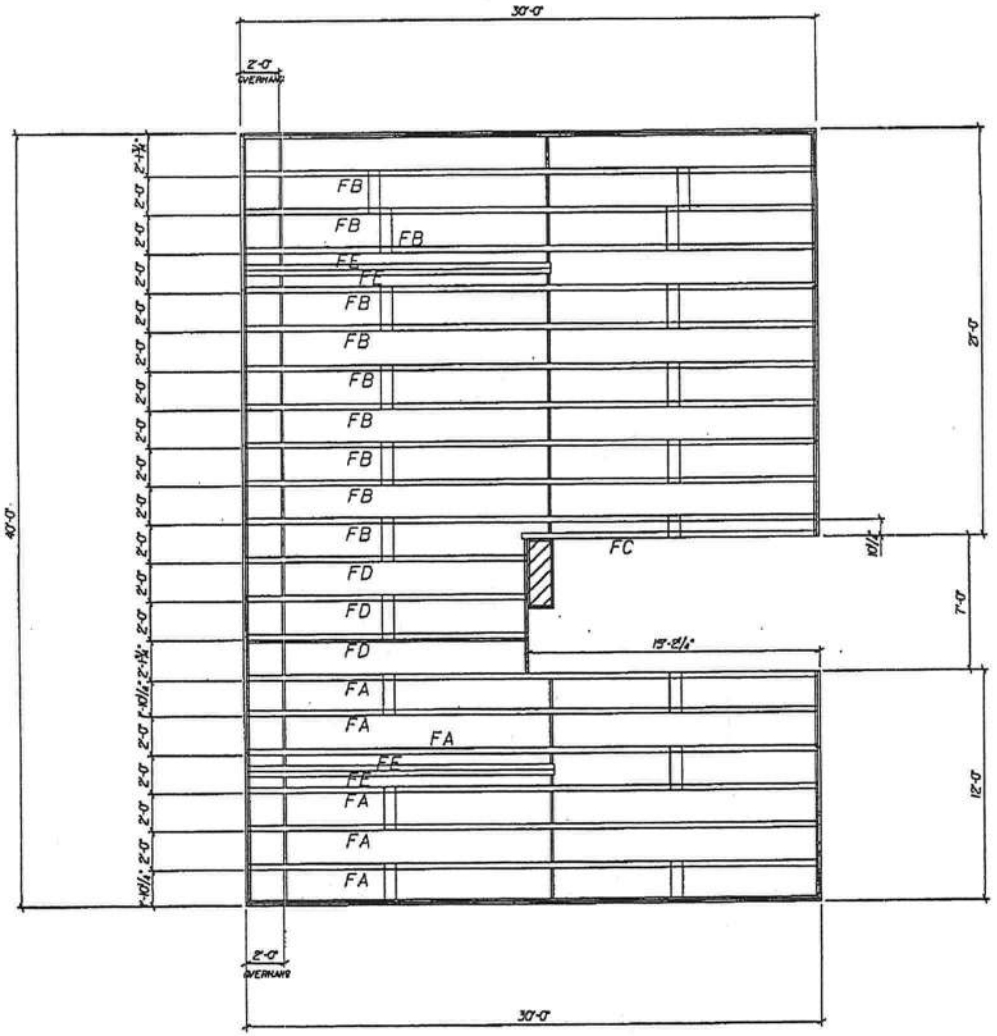
FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-57/48, 2-3=-57/48
BOT CHORD 1-3=-29/44

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) Gable requires continuous bottom chord bearing.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 16 lb uplift at joint 1 and 16 lb uplift at joint 3.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 27,2007



PERMIT

FT2

HARDWARE LEGEND

HARDWARE MANUFACTURED BY USP

[1] THD28-2

[2] THD48

SUNBURY - FL

ALL ELEVATIONS

GARAGE : RIGHT

DESIGNER: J. Pitcock
CHECKER: K. Cooper

SCALE: 1/8" - 1'-0"
DATE: 09/26/07

LOADING-FBC2004/TPI2002

TC LIVE	40.00	SNOW LOAD	N/A
TC DEAD	10.00	LUMBER DOL	1.00
BC LIVE	0.00	PLATE DOL	1.00
BC DEAD	5.00	WIND	N/A
TOTAL	55.00	SPACING	2'-0"

MTEK 2000 LAYOUT SYSTEM

1.800.648.3587 - miteksupport@mii.com

ENGINEERING BY
TRENCO
A MiTek Affiliate

RE: ELEV_F - SUNBURY FL

Trenco
818 Soundside Rd
Edenton, NC 27932

Site Information:
Project Customer: Maronda Homes Project Name: Sunbury FL
Lot/Block: Sanford Subdivision: Sanford
Address: Sanford
City: Sanford State: FL

Name Address and License # of Structural Engineer of Record, If there is one, for the building.
Name: License #:
Address:
City: State:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):
Design Code: FBC2004/TPI2002 Design Program: MiTek 20/20 7.0
Wind Code: N/A Wind Speed: N/A mph Floor Load: 55.0 psf
Roof Load: N/A psf

This package includes 5 individual, dated Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.
This document processed per section 16G15-23.003 of the Florida Board of Professionals Rules

No.	Seal#	Truss Name	Date
1	E4617771	FA	1/15/08
2	E4617772	FB	1/15/08
3	E4617773	FC	1/15/08
4	E4617774	FD	1/15/08
5	E4617775	FE	1/15/08

The truss drawing(s) referenced above have been prepared by TRENCO under my direct supervision based on the parameters provided by Maronda Homes-Pittsburgh, PA.

Truss Design Engineer's Name: Strzyzewski, Marvin
My license renewal date for the state of is February 28, 2009.

NOTE: The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Chapter 2.

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

January 15,2008

Strzyzewski, Marvin

Job	Truss	Truss Type	Qty	Ply	SUNBURY FL	E4617771
ELEV_F	FA	FLOOR	6	1	SUNBURY FL ALL ELEVATIONS Job Reference (optional)	

Maronda Homes, Inc, Pittsburgh, PA — 7.030 s Jan 3 2008 MiTek Industries, Inc. Tue Jan 15 12:03:14 2008 Page 1

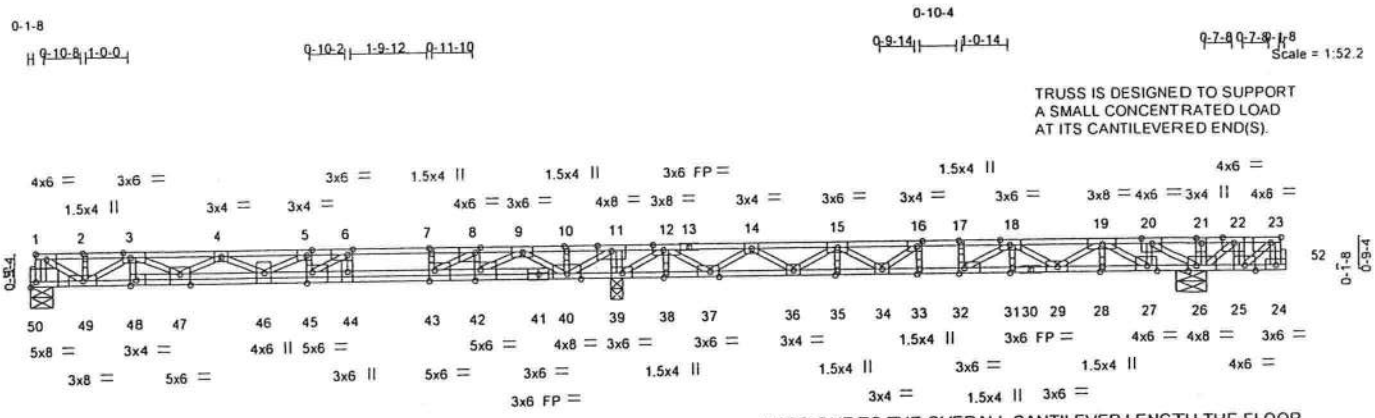


Plate Offsets (X,Y): [1:Edge,0-1-8], [3:0-2-0,Edge], [5:0-1-8,Edge], [6:0-1-8,Edge], [8:0-1-8,Edge], [12:0-3-0,Edge], [16:0-1-8,Edge], [18:0-2-12,Edge], [23:0-3-0,Edge], [26:0-2-4,Edge], [32:0-1-8,Edge], [37:0-2-8,Edge], [42:0-1-8,Edge], [43:0-1-8,Edge], [45:0-1-8,Edge], [47:0-3-0,Edge], [48:0-1-8,Edge], [50:Edge,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	1.00	Vert(LL)	-0.27	44-45	>616	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.71	Vert(TL)	-0.39	44-45	>424	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.77	Horz(TL)	0.03	39	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 161 lb	

LUMBER
TOP CHORD 4 X 2 SYP No.2 *Except* 13-23 4 X 2 SYP No.1D
BOT CHORD 4 X 2 SYP No.2 *Except* 41-50 4 X 2 SYP No.1D, 41-48 4 X 2 SYP No.1D
WEBS 4 X 2 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 49-50,48-49,47-48,46-47,45-46.

REACTIONS (lb/size) 50=2156/0-6-8, 39=1576/0-3-8, 26=2595/0-8-0
Max Grav50=2222(LC 4), 39=1795(LC 2), 26=2654(LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 50-51=-2249/0, 1-51=-2245/0, 24-52=0/6, 23-52=0/6, 1-2=-1421/0, 2-3=-1421/0, 3-4=-3096/0, 4-5=-3766/0, 5-6=-3969/0, 6-7=-3375/274, 7-8=-3375/274, 8-9=-2177/949, 9-10=-142/1901, 10-11=-142/1901, 11-12=0/3301, 12-13=-231/1277, 13-14=-231/1277, 14-15=-1561/1325, 15-16=-2271/1671, 16-17=-2356/1983, 17-18=-2356/1983, 18-19=-1487/2899, 19-20=0/3875, 20-21=0/4396, 21-22=0/4393, 22-23=0/2157
BOT CHORD 49-50=0/428, 48-49=0/2299, 47-48=0/2302, 46-47=0/3615, 45-46=0/3969, 44-45=-274/3375, 43-44=-274/3375, 42-43=-949/2177, 41-42=-1272/1229, 40-41=-1272/1225, 39-40=-3301/0, 38-39=-1912/0, 37-38=-1912/0, 36-37=-1241/1034, 35-36=-1448/2085, 34-35=-1448/2085, 33-34=-1983/2356, 32-33=-1983/2356, 31-32=-2514/2031, 30-31=-2514/2031, 29-30=-2514/2031, 28-29=-3317/904, 27-28=-3317/904, 26-27=-3875/0, 25-26=-2157/0, 24-25=-1/0
WEBS 2-49=-96/0, 3-49=-1012/0, 3-48=-103/0, 3-47=0/909, 4-47=-602/21, 4-46=-99/175, 5-46=-231/91, 5-45=-279/0, 6-45=0/1260, 11-40=0/1687, 10-40=-93/15, 9-40=-1364/0, 9-42=0/1158, 8-42=-804/0, 8-43=0/1911, 12-39=-1581/0, 12-38=-25/3, 12-37=0/1223, 14-37=-1128/32, 14-36=-101/729, 15-36=-725/144, 15-35=-27/19, 6-44=-552/0, 7-43=-386/0, 11-39=-965/0, 16-33=-278/117, 17-32=-243/1, 21-26=-197/0, 15-34=-261/416, 16-34=-441/497, 20-26=-1584/0, 20-27=0/715, 19-27=-1491/0, 19-28=0/18, 19-29=0/1026, 18-29=-960/0, 18-31=-85/44, 18-32=-175/1044, 22-25=0/1553, 22-26=-2766/0, 23-25=-2681/0, 1-49=0/1163

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) Posi-Strut webs to be applied to both sides of truss unless otherwise noted. FF=Front Face, BF=Back Face
3) Required 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.
5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1554 lb down at 0-3-0, and 1554 lb down at 29-6-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Continued on page 2

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

January 15,2008

LOAD CASE(S) Standard

1) Floor: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 24-50=-10, 1-23=-100

Concentrated Loads (lb)

Vert: 23=-1554(F) 1=-1554(F)

Job	Truss	Truss Type	Qty	Ply	SUNBURY FL	E4617772
ELEV_F	FB	FLOOR	10	1	SUNBURY FL ALL ELEVATIONS Job Reference (optional)	

Maronda Homes, Inc, Pittsburgh, PA

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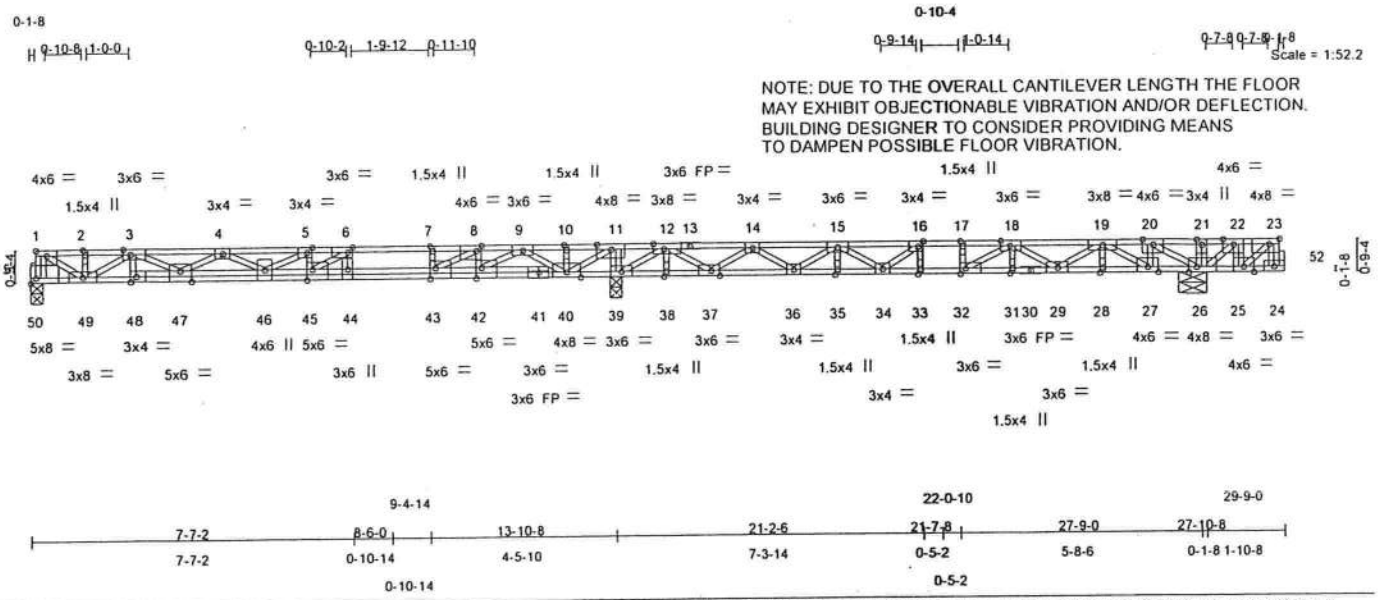

Plate Offsets (X,Y): [1:Edge,0-1-8], [3:0-2-0,Edge], [5:0-1-8,Edge], [6:0-1-8,Edge], [8:0-1-8,Edge], [12:0-3-0,Edge], [16:0-1-8,Edge], [18:0-2-12,Edge], [23:0-3-0,Edge], [26:0-2-4,Edge], [32:0-1-8,Edge], [37:0-2-8,Edge], [42:0-1-8,Edge], [43:0-1-8,Edge], [45:0-1-8,Edge], [47:0-3-0,Edge], [48:0-1-8,Edge], [50:Edge,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	1.00	Vert(LL)	-0.27	44-45	>616	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.71	Vert(TL)	-0.39	44-45	>424	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.77	Horz(TL)	0.03	39	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 161 lb	

LUMBER

TOP CHORD 4 X 2 SYP No.2 *Except* 13-23 4 X 2 SYP No.1D

BOT CHORD 4 X 2 SYP No.2 *Except* 41-50 4 X 2 SYP No.1D, 41-48 4 X 2 SYP No.1D

WEBS 4 X 2 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 49-50,48-49,47-48,46-47,45-46.

REACTIONS (lb/size) 50=2156/0-3-8, 39=1576/0-3-8, 26=2595/0-8-0
Max Grav 50=2222(LC 4), 39=1795(LC 2), 26=2654(LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 50-51=-2249/0, 1-51=-2245/0, 24-52=0/6, 23-52=0/6, 1-2=-1421/0, 2-3=-1421/0, 3-4=-3096/0, 4-5=-3766/0, 5-6=-3969/0, 6-7=-3375/274, 7-8=-3375/274, 8-9=-2177/949, 9-10=-142/1901, 10-11=-142/1901, 11-12=0/3301, 12-13=-231/1277, 13-14=-231/1277, 14-15=-1561/1325, 15-16=-2271/1671, 16-17=-2356/1983, 17-18=-2356/1983, 18-19=-1487/2899, 19-20=0/3675, 20-21=0/4396, 21-22=0/4393, 22-23=0/2157

BOT CHORD 49-50=0/428, 48-49=0/2299, 47-48=0/2302, 46-47=0/3615, 45-46=0/3969, 44-45=-274/3375, 43-44=-274/3375, 42-43=-949/2177, 41-42=-1272/1229, 40-41=-1272/1225, 39-40=-3301/0, 38-39=-1912/0, 37-38=-1912/0, 36-37=-1241/1034, 35-36=-1448/2085, 34-35=-1448/2085, 33-34=-1983/2356, 32-33=-1983/2356, 31-32=-2514/2031, 30-31=-2514/2031, 29-30=-2514/2031, 28-29=-3317/904, 27-28=-3317/904, 26-27=-3875/0, 25-26=-2157/0, 24-25=-1/0

WEBS 2-49=-96/0, 3-49=-1012/0, 3-48=-103/0, 3-47=0/909, 4-47=-602/21, 4-46=-99/175, 5-46=-231/91, 5-45=-279/0, 6-45=0/1260, 11-40=0/1687, 10-40=-93/15, 9-40=-1364/0, 9-42=0/1158, 8-42=-804/0, 8-43=0/1911, 12-39=-1581/0, 12-38=-25/3, 12-37=0/1223, 14-37=-1128/32, 14-36=-101/729, 15-36=-725/144, 15-35=-27/19, 6-44=-552/0, 7-43=-386/0, 11-39=-965/0, 16-33=-278/117, 17-32=-243/1, 21-26=-197/0, 15-34=-261/416, 16-34=-441/497, 20-26=-1584/0, 20-27=0/715, 19-27=-1491/0, 19-28=0/18, 19-29=0/1026, 18-29=-960/0, 18-31=-85/44, 18-32=-175/1044, 22-25=0/1553, 22-26=-2766/0, 23-25=-2681/0, 1-49=0/1163

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) Posi-Strut webs to be applied to both sides of truss unless otherwise noted. FF=Front Face, BF=Back Face
3) Required 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.
5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1554 lb down at 0-3-0, and 1554 lb down at 29-6-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Continued on page 2

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Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

January 15,2008

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

LOAD CASE(S) Standard

1) Floor: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 24-50=-10, 1-23=-100

Concentrated Loads (lb)

Vert: 23=-1554(F) 1=-1554(F)

Job	Truss	Truss Type	Qty	Ply	SUNBURY FL	E4617773
ELEV_F	FC	FLOOR	1	1	SUNBURY FL ALL ELEVATIONS Job Reference (optional)	

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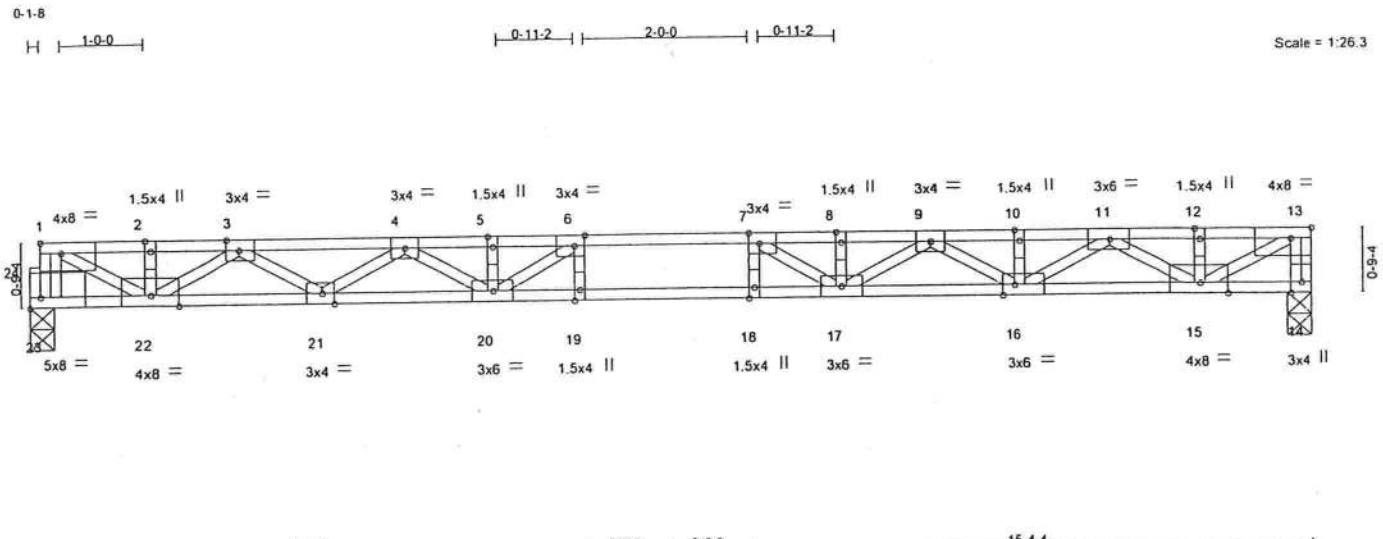

Plate Offsets (X,Y): [1:Edge,0-1-8], [3:0-1-12,Edge], [6:0-1-8,Edge], [7:0-1-8,Edge], [13:0-3-0,Edge], [16:0-1-12,Edge], [21:0-1-12,Edge], [23:Edge,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.61	Vert(LL)	-0.37	18-19	>496	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.97	Vert(TL)	-0.58	18-19	>313	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.64	Horz(TL)	0.07	14	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 74 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-7-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 23=1239/0-3-8, 14=834/0-3-8
Max Grav23=2248(LC 2), 14=834(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 23-24=-2276/0, 1-24=-2272/0, 13-14=-823/0, 1-2=-1606/0, 2-3=-1606/0, 3-4=-3362/0, 4-5=-4469/0, 5-6=-4469/0, 6-7=-4793/0, 7-8=-4450/0, 8-9=-4450/0, 9-10=-3317/0, 10-11=-3317/0, 11-12=-1412/0, 12-13=-1412/0
BOT CHORD 22-23=0/433, 21-22=0/2645, 20-21=0/4045, 19-20=0/4793, 18-19=0/4793, 17-18=0/4793, 16-17=0/3986, 15-16=0/2455, 14-15=0/0
WEBS 6-19=-126/139, 7-18=-107/157, 1-22=0/1558, 2-22=-99/0, 3-22=-1216/0, 3-21=0/854, 4-21=-813/0, 4-20=0/495, 5-20=-131/103, 13-15=0/1607, 12-15=-121/0, 11-15=-1220/0, 11-16=0/1010, 10-16=-101/0, 9-16=-782/0, 9-17=0/543, 8-17=-144/113, 7-17=-835/65, 6-20=-768/125

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) Required 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
3) CAUTION, Do not erect truss backwards.
4) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1554 lb down at 0-3-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Floor: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-23=-10, 1-13=-100
Concentrated Loads (lb)
Vert: 1=-424(F)

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FL COA #7239

January 15,2008

Job	Truss	Truss Type	Qty	Ply	SUNBURY FL	E4617774
ELEV_F	FD	FLOOR	3	1	SUNBURY FL ALL ELEVATIONS Job Reference (optional)	

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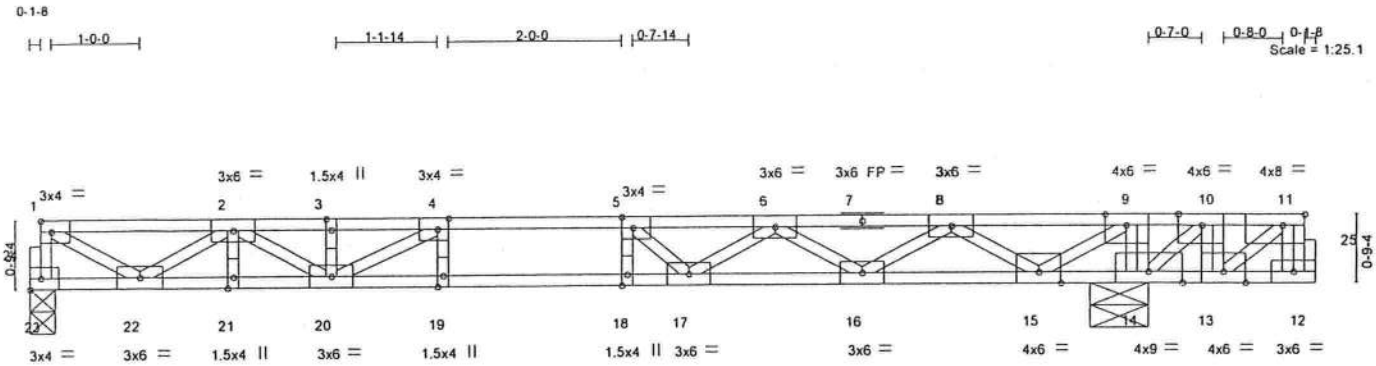

NOTE: DUE TO THE OVERALL CANTILEVER LENGTH THE FLOOR MAY EXHIBIT OBJECTIONABLE VIBRATION AND/OR DEFLECTION. BUILDING DESIGNER TO CONSIDER PROVIDING MEANS TO DAMPEN POSSIBLE FLOOR VIBRATION.

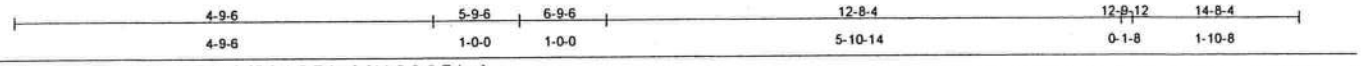

Plate Offsets (X,Y): [4:0-1-8,Edge], [5:0-1-8,Edge], [11:0-3-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.96	Vert(LL)	-0.20	18	>768	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.80	Vert(TL)	0.22	17-18	>693	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.55	Horz(TL)	-0.03	14	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 72 lb	

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

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

REACTIONS (lb/size) 23=586/0-3-8, 14=1595/0-8-0
Max Uplift23=-42(LC 3)
Max Grav23=596(LC 2), 14=2302(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 23-24=-590/45, 1-24=-588/45, 12-25=0/6, 11-25=0/6, 1-2=-876/108, 2-3=-2133/375, 3-4=-2133/375, 4-5=-2473/1091, 5-6=-2187/1692, 6-7=-1172/2634, 7-8=-1172/2634, 8-9=0/3716, 9-10=0/4331, 10-11=0/2240
BOT CHORD 22-23=-4/57, 21-22=-250/1672, 20-21=-250/1672, 19-20=-1091/2473, 18-19=-1091/2473, 17-18=-1091/2473, 16-17=-2196/1810, 15-16=-3136/495, 14-15=-4331/0, 13-14=-2240/0, 12-13=-1/0
WEBS 9-14=-849/0, 4-19=-291/73, 5-18=-64/449, 1-22=-122/958, 2-22=-931/166, 9-15=0/1300, 8-15=-1212/0, 2-21=-48/20, 2-20=-145/532, 3-20=-206/42, 4-20=-570/802, 8-16=0/850, 6-16=-775/0, 6-17=0/913, 5-17=-1165/0, 11-13=-2740/0, 10-13=0/1537, 10-14=-2645/0

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) Posi-Strut webs to be applied to both sides of truss unless otherwise noted. FF=Front Face, BF=Back Face
3) Attach ribbon block to truss with 3-10d nails applied to flat face.
4) One RT7 USP connectors recommended to connect truss to bearing walls due to uplift at jt(s) 23.
5) Required 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1547 lb down at 14-5-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Floor: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-23=-10, 1-11=-100
Concentrated Loads (lb)
Vert: 11=-612(F)

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January 15,2008

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 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.

ENGINEERING BY TRENCO
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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	SUNBURY FL	E4617775
ELEV_F	FE	FLOOR	4	1	SUNBURY FL ALL ELEVATIONS Job Reference (optional)	

Maronda Homes, Inc, Pittsburgh, PA

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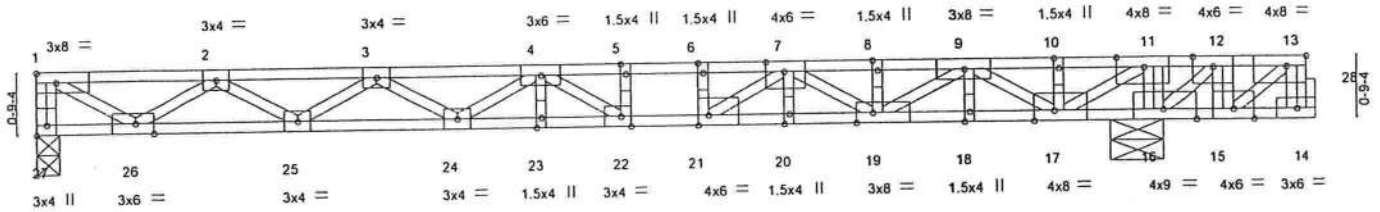
1-0-0 | 0-11-6 | 0-10-4 | 0-11-6 | 0-7-0 | 0-8-0 | 0-1-8

Scale = 1:27.5



NOTE: DUE TO THE OVERALL CANTILEVER LENGTH THE FLOOR MAY EXHIBIT OBJECTIONABLE VIBRATION AND/OR DEFLECTION. BUILDING DESIGNER TO CONSIDER PROVIDING MEANS TO DAMPEN POSSIBLE FLOOR VIBRATION.

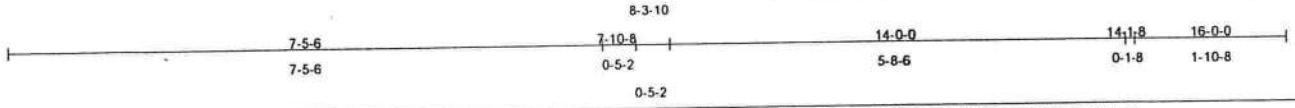


Plate Offsets (X,Y): [7:0-2-12,Edge], [13:0-3-0,Edge], [17:0-3-0,Edge], [19:0-2-8,Edge], [21:0-1-8,Edge], [22:0-1-8,Edge], [26:0-2-8,Edge], [27:Edge,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.95	Vert(LL)	-0.25	22-23	>658	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.81	Vert(TL)	-0.32	22-23	>522	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.69	Horz(TL)	0.04	16	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 82 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 26-27.

REACTIONS (lb/size) 27=562/0-3-8, 16=2658/0-8-0
Max Grav27=708(LC 2), 16=2658(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-27=-699/0, 14-28=0/6, 13-28=0/6, 1-2=-1062/24, 2-3=-2548/191, 3-4=-3309/553, 4-5=-3329/1301, 5-6=-3329/1301, 6-7=-3329/1301, 7-8=-2158/2382, 8-9=-2158/2382, 9-10=-200/3578, 10-11=-200/3578, 11-12=0/4198, 12-13=0/2181
BOT CHORD 26-27=-0/0, 25-26=-71/1984, 24-25=-347/3079, 23-24=-774/3540, 22-23=-774/3540, 21-22=-1301/3329, 20-21=-1929/2780, 19-20=-1929/2780, 18-19=-2943/1292, 17-18=-2943/1292, 16-17=-4198/0, 15-16=-2181/0, 14-15=-1/0
WEBS 5-22=-61/204, 6-21=-354/0, 11-16=-1007/0, 1-26=-28/1225, 2-26=-1098/56, 2-25=-143/671, 3-25=-633/185, 3-24=-246/273, 4-24=-270/259, 4-23=0/135, 4-22=-952/158, 11-17=0/1722, 10-17=-101/9, 9-17=-1564/0, 9-18=0/19, 9-19=0/1293, 8-19=-130/0, 7-19=-975/0, 7-20=-117/15, 7-21=0/1281, 13-15=-2667/0, 12-15=0/1493, 12-16=-2559/0

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) Posi-Strut webs to be applied to both sides of truss unless otherwise noted. FF=Front Face, BF=Back Face
3) Required 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.
5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1500 lb down at 15-9-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Floor: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-27=-10, 1-13=-100
Concentrated Loads (lb)
Vert: 13=-1500(F)

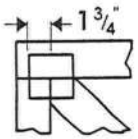
Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

January 15,2008

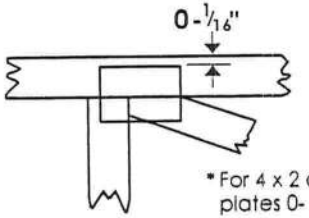
ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

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 fully embed teeth.



*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

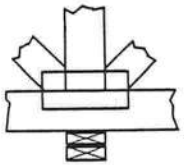
4 X 4

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

LATERAL BRACING LOCATION

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

BEARING

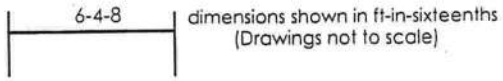


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

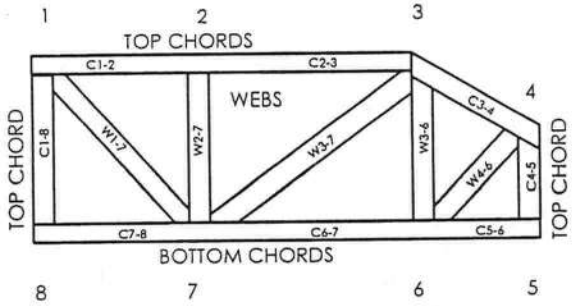
Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI1: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



dimensions shown in ft-in-sixteenths (Drawings not to scale)



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.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ER-5243, 9604B
9730, 95-43, 96-31, 9667A
NER-487, NER-561
95110, 84-32, 96-67, ER-3907, 9432A

MiTek®
POWER TO PERFORM.™
ENGINEERING BY TRENCO
A MiTek Affiliate

MiTek Engineering Reference Sheet: MII-7473

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 BCSI1.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative T, I, or Eliminator bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.

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

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

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

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

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

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

GENERAL REQUIREMENTS;

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

Site Plan information including:

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

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

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

Elevations Drawing including:

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

Floor Plan including:

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

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

Foundation Plans Per FRC 403:

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

CONCRETE SLAB ON GRADE Per FRC R506

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

PROTECTION AGAINST TERMITES Per FRC 320:

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

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

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

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

Floor Framing System: First and/or second story

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

WOOD WALL FRAMING CONSTRUCTION FRC CHAPTER 6

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

ROOF SYSTEMS:

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

Conventional Roof Framing Layout Per FRC 802:

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

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

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

ROOF ASSEMBLIES FRC Chapter 9

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

FCB Chapter 13 Florida Energy Efficiency Code for Building Construction

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

HVAC information shown

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

Plumbing Fixture layout shown

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

Electrical layout shown including:

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

- On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type.
- Appliances and HVAC equipment and disconnects
- Arc Fault Circuits (AFCI) in bedrooms
- Notarized Disclosure Statement for Owner Builders
- Notice of Commencement Recorded (in the Columbia County Clerk Office) Notice Of Commencement is required to be filed with the building department Before Any Inspections Will Be Done.

Private Potable Water

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

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

- Building Permit Application: A current Building Permit Application form is to be completed and submitted for all residential projects.
- Parcel Number: The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.
- Environmental Health Permit or Sewer Tap Approval: A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 (Toilet facilities shall be provided for construction workers)
- City Approval: If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. (386) 497-2321
- Flood Information: All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED. A development permit will also be required. The permit cost is $50.00.
- Driveway Connection: If the property does not have an existing access to a public road, then an application for a culvert permit ($25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver ($50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.
- 911 Address: If the project is located in an area where the 911 address has been issued, then the proper Paper work from the 911 Addressing Departments must be submitted. (386) 758-1125

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

PRODUCT APPROVAL SPECIFICATION SHEET

Location:_____ **Project Name:**_____

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung			
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass -through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

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

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

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

Contractor or Contractor's Authorized Agent Signature

Print Name

Date

Location

Permit # **(FOR STAFF USE ONLY)**

Website:

27131

GEO-TECH, INC.

Engineering Consultants in Geotechnical • Environmental • Construction Materials Testing

FIELD DENSITY WORKSHEET

CLIENT MACUDA HOMES — DATE 14 July 08

JOB# 9TM0801 LAKE CITY — PROJECT NO. —

PROJECT NAME TIMBERPONDS Lot # 8 — PERMIT NO. —

EARTH CONTRACTOR 277 SW TIMBER RIDGE DR. — TESTED BY JWC

COMPACTION REQUIREMENT (%) 95% ❑ Standard Proctor ❑ Modified Proctor — PATRICK FIELD CONTACT

TOTAL ON-SITE TIME — MILES FROM OFFICE —

❑ Limerock ❑ Subgrade ❑ Pipe Backfill ❑ Building Pad ❑ Building Footing ❑ Other —

TEST LOCATION	LAB PROCTOR DENS.	LAB PROCTOR OMC	TEST DEPTH	PROBE DEPTH	% MOIST.	WET DENSITY (PCF)	DRY DENSITY (PCF)	% COMP.
CTR. of PAD	103.7	12.0	FL	12"	6.6	108.1	101.4	97.8
CTR. of N. FTG.	〃	〃	〃	〃	7.6	106.3	98.8	95.3
CTR. of S. FTG.	〃	〃	〃	〃	6.9	106.4	99.6	96.0

REMARKS —

* Density failed to meet minimum project requirement

** Retest indicates minimum density requirement was obtained.

( ) Client is aware of unsatisfactory test results.

2603 NW 74TH PLACE • GAINESVILLE, FLORIDA 32653 • PHONE: (352) 372-1274 • FAX: (352) 372-2721

08-403

STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number ____________

PART II - SITE PLAN

Scale: Each block represents 5 feet and 1 inch = 50 feet.

*SEE Attached SitE PLAN

Notes: ____________

Site Plan submitted by: [signature] Signature   AGENT Title

Plan Approved X   APPROVED   Not Approved   Columbia CHD   Date 6/9/8

By [signature]   County Health Departm

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

Columbia CHD

FLORIDA DEPARTMENT OF STATE
DIVISION OF CORPORATIONS

Detail by Entity Name

Florida Profit Corporation

MARONDA HOMES, INC. OF FLORIDA

Filing Information

Document Number	562259
FEI Number	251336949
Date Filed	03/17/1978
State	FL
Status	ACTIVE

Principal Address

202 PARK WEST DR
PITTSBURGH PA 15275 US

Changed 04/11/2002

Mailing Address

202 PARK WEST DR
PITTSBURGH PA 15275 US

Changed 04/11/2002

Registered Agent Name & Address

VON DREELE, WAYNE J
3993 WEST FIRST STREET
SANFORD FL 32771 US

Name Changed: 02/09/2000

Address Changed: 03/01/2006

Officer/Director Detail

Name & Address

Title CEOD

WOLF, WILLIAM J.
202 PARK WEST DRIVE
PITTSBURGH PA 15275

Title VPSD

WOLF, RONALD W.
202 PARK WEST DRIVE
PITTSBURGH PA 15275

Title P

VON DREELE, WAYNE J
3993 WEST FIRST STREET

SANFORD FL 32771

Title VP

FALCK, MARK
3993 WEST FIRST ST
SANFORD FL 32771

Title V.P.

ROUSCH, WILLIAM
4610 LIPSCOMB STREET, SUITE 300
PALM BAY FL 32905

Title V.P.

HOWARD, SCOTT
955 KELLER ROAD, SUITE 1500
ALTAMONTE SPRINGS FL 32714

Annual Reports

Report Year	Filed Date
2007	03/07/2007
2007	10/29/2007
2008	01/02/2008

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Note: This is not official record. See documents if question or conflict.

Previous on List Next on List Return To List

No Events **No Name History**

Entity Name Search

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

Inst:200712024085 Date:10/26/2007 Time:4:45 PM
Doc Stamp-Deed:3276.00
DC,P.DeWitt Cason,Columbia County Page 1 of 2

SPECIAL WARRANTY DEED

THIS INDENTURE, made this 10th day of October, 2007, between **RML HOLDINGS, INC.**, a Florida corporation, having a mailing address of 703 NW Blackberry Circle, Lake City, Florida 32055, hereinafter referred to as Grantor, and **MARONDA HOMES, INC. OF FLORIDA**, a Florida corporation, having a mailing address of 3993 West First Street, Sanford, Florida 32771, hereinafter referred to as Grantee.

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

Lot(s) 2, 3, 4, 5, 6, 7, 8, 21, 22, 23, 25, and 26, **TIMBERLANDS, PHASE 1**, according to the plat thereof, as recorded in Plat Book 9, pages 26-27, public records of Columbia County, Florida,.

PARCEL NO. Part of 10-4S-16-02856-000 and 15-4S-16-02990-000

SUBJECT TO: Taxes and special assessments for the year 2007 and subsequent years; restrictions, reservations, rights of way for public roads, easements of record, if any; and zoning and any other governmental restrictions regulating the use of the lands.

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

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001626

DATE 06/30/2008 PARCEL ID # 10-4S-16-02856-108

APPLICANT THEODORE BROCK PHONE 904.296.1490

ADDRESS 6800 SOUTHPOINTE PKWY # 300 JACKSONVILLE FL 32216

OWNER MARONDA HOMES INC. OF FL PHONE 904.296.1490

ADDRESS 277 SW TIMBER RIDGE DRIVE LAKE CITY FL 32024

CONTRACTOR THEODORE BROCK PHONE 407.227.3504

LOCATION OF PROPERTY 90-W TO SR. 247-S,TL TO C-252-B,TR TO TIMBER RIDGE,TL

8TH LOT ON R.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT TIMBERLANDS 8 1

SIGNATURE

INSTALLATION REQUIREMENTS

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

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

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

[ ] Department of Transportation Permit installation approved standards.

[ ] Other

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

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

Amount Paid 25.00

Columbia County Building Permit Application

For Office Use Only Application # 0806-33 Date Received 6/19/08 By G Permit # 1626 / 2713

Zoning Official BLK Date 20.0608 Flood Zone X per plat FEMA Map # N/A Zoning RSF-2

Land Use Res. Low Den. Elevation N/A MFE 100.0 Ft per plat River N/A Plans Examiner WD Date 6/20/08

Comments Elevation Confirmation Letter Required

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

☐ Dev Permit # ☐ In Floodway ☐ Letter of Authorization from Contractor

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

Septic Permit No. Fax (904)-332-6367

Name Authorized Person Signing Permit Theodore C. Brock / Patrick Wilson Phone (904)-296-1490

Address 6800 Southpoint Pkwy. #300 Jacksonville, FL 32216

Owners Name Maronda Homes Inc. of Florida Phone (904)-296-1490

911 Address 277 SW Timber Ridge Dr., Lake City, FL 32024

Contractors Name Theodore C. Brock Phone (407)-227-3504

Address 6800 Southpoint Pkwy. #300 Jacksonville, FL 32216

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Tomas Ponce 4005 Maronda Way Sanford, FL 32771

Mortgage Lenders Name & Address Bank of America 250 Park Ave. S. #400 Winter Park, FL 32789

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

Property ID Number 10-4S-16-02850-108 Estimated Cost of Construction $100,035.00

Subdivision Name Timberlands Lot 8/1 Block Unit Phase

Driving Directions Hwy 90, Left on 247 South; Right on 252B; Left on Timber Ridge Drive;

8th lot on Right

Number of Existing Dwellings on Property 0

Construction of Residential Single Family Dwelling Total Acreage .50 Lot Size

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

Actual Distance of Structure from Property Lines - Front 50.6' Side 33'(L) Side 34'(R) Rear 89'

Number of Stories 2 Heated Floor Area 2223 Total Floor Area 3107 Roof Pitch

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.

926.68

left message 6/23/08

Columbia County Building Permit Application

0806-33

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

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

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

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

Owners Signature Steve Hogg

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

Contractor's Signature (Permitee)
Theodore C. Brock

Contractor's License Number CBC1256382
Columbia County
Competency Card Number

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 24 day of June 2008.

Personally known XXX or Produced Identification

Melissa L McKague

State of Florida Notary Signature (For the Contractor)
Melissa L. McKague

SEAL:

Notary Public State of Florida
Melissa L McKague
My Commission DD493647
Expires 11/22/2009

Revised 11-30-07

27731

Inst:200812012528 Date:7/2/2008 Time:10:39 AM
DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1153 P:2198

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 10-4S-16-02856-108

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

1. Description of property *(legal description)*: 811 Timberland
   a) Street *(job)* Address: 271 SW Timber Ridge Dr
2. General description of improvements: Construction of a single family dwelling
3. Owner Information
   a) Name and address: Maronda Homes Inc of FL 6800 Southpoint Pkwy #300 Jax FL 32216
   b) Name and address of fee simple titleholder (if other than owner) _____
   c) Interest in property _____
4. Contractor Information
   a) Name and address: Maronda Homes Inc of FL 6800 Southpoint Pkwy #300. Jax FL 32216
   b) Telephone No. (904) 296-1490 Fax No. (Opt.) (904) 332-0375
5. Surety Information
   a) Name and address: _____
   b) Amount of Bond: _____
   c) Telephone No.: _____ Fax No. (Opt.) _____
6. Lender
   a) Name and address: _____
   b) Phone No. _____
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
   a) Name and address: Southern Title Holding Co LLC 3943 Baymeadows Rd Jax FL 32217
   b) Telephone No.: (904) 739-2205 Fax No. (Opt.) _____
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(l)(b), Florida Statutes:
   a) Name and address: _____
   b) Telephone No.: _____ Fax No. (Opt.) _____
9. Expiration date of Notice of Commencement **(the expiration date is one year from the date of recording unless a different date is specified)**: _____

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

STATE OF FLORIDA
COUNTY OF COLUMBIA

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

Theodore C. Brock
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 12 day of May, 20 08, by: Theodore C. Brock as V.P. of Construction **(type of authority, e.g. officer, trustee, attorney fact)** for Maronda Homes Inc of Florida **(name of party on behalf of whom instrument was executed).**

Personally Known XX OR Produced Identification _____ Type _____

Notary Signature Melissa L McKague Notary Stamp or Seal:

Notary Public State of Florida
Melissa L McKague
My Commission DD493647
Expires 11/22/2009

—AND—

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

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

FORM 600A-2004R EnergyGauge® 4.5

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

8/1 TM

Project Name:	SUNBURY GAINESVILLE	Builder:	MARONDA HOMES
Address:	277 SW Timber Ridge Dr.	Permitting Office:	Columbia
City, State:	Lake City, FL 32055	Permit Number:	
Owner:	ELECTRIC	Jurisdiction Number:	
Climate Zone:	North		

1.	New construction or existing	New	
2.	Single family or multi-family	Single family	
3.	Number of units, if multi-family	1	
4.	Number of Bedrooms	4	
5.	Is this a worst case?	Yes	
6.	Conditioned floor area (ft²)	2223 ft²	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
a.	U-factor: (or Single or Double DEFAULT)	7a. (Sngle Default) 263.0 ft²	
b.	SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 263.0 ft²	
8.	Floor types		
a.	Slab-On-Grade Edge Insulation	R=0.0, 136.0(p) ft	
b.	N/A		
c.	N/A		
9.	Wall types		
a.	Concrete, Int Insul, Exterior	R=4.1, 720.0 ft²	
b.	Frame, Wood, Exterior	R=13.0, 992.0 ft²	
c.	Frame, Steel, Adjacent	R=13.0, 159.0 ft²	
d.	N/A		
e.	N/A		
10.	Ceiling types		
a.	Under Attic	R=19.0, 1120.0 ft²	
b.	N/A		
c.	N/A		
11.	Ducts		
a.	Sup: Unc. Ret: Con. AH(Sealed):Interior	Sup. R=6.0, 150.0 ft	
b.	N/A		
12.	Cooling systems		
a.	Central Unit	Cap: 40.5 kBtu/hr SEER: 13.00	
b.	N/A		
c.	N/A		
13.	Heating systems		
a.	Electric Heat Pump	Cap: 40.5 kBtu/hr HSPF: 8.10	
b.	N/A		
c.	N/A		
14.	Hot water systems		
a.	Electric Resistance	Cap: 50.0 gallons EF: 0.90	
b.	N/A		
c.	Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT,	

Glass/Floor Area: 0.12

Total as-built points: 28722

Total base points: 30122

PASS

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

PREPARED BY: _____

DATE: Wayne Campbell 05/12/08

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

OWNER/AGENT: Melissa McKagne

DATE: Melissa McKagne 05/12/08

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

GREAT SEAL OF THE STATE OF FLORIDA * IN GOD WE TRUST *

BUILDING OFFICIAL: _____

DATE: _____

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: , Plat: , , ,** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	2223.0	18.59	7439.0	1.Single, Clear	E	1.0	6.0	30.0	47.92	0.97	1394.0	
				2.Single, Clear	E	1.0	15.0	30.0	47.92	1.00	1432.0	
				3.Single, Clear	E	1.0	4.0	9.0	47.92	0.91	393.0	
				4.Single, Clear	E	1.0	4.0	6.0	47.92	0.91	262.0	
				5.Single, Clear	E	1.0	4.0	6.0	47.92	0.91	262.0	
				6.Single, Clear	N	1.0	15.0	30.0	21.73	1.00	649.0	
				7.Single, Clear	W	1.0	16.0	40.0	43.84	1.00	1748.0	
				8.Single, Clear	W	1.0	15.0	30.0	43.84	1.00	1311.0	
				9.Single, Clear	W	1.0	13.0	9.0	43.84	1.00	393.0	
				10.Single, Clear	W	1.0	5.5	15.0	43.84	0.96	632.0	
				11.Single, Clear	W	1.0	5.5	15.0	43.84	0.96	632.0	
				12.Single, Clear	W	1.0	5.5	30.0	43.84	0.96	1265.0	
				13.Single, Clear	E	4.0	2.5	8.0	47.92	0.42	161.0	
				14.Single, Clear	E	4.0	7.0	5.0	47.92	0.68	162.0	
				As-Built Total:				**263.0**			**10696.0**	

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	159.0	0.70	111.3	1. Concrete, Int Insul, Exterior	4.1	720.0	1.13	817.2
Exterior	1712.0	1.70	2910.4	2. Frame, Wood, Exterior	13.0	992.0	1.50	1488.0
				3. Frame, Steel, Adjacent	13.0	159.0	0.90	143.1
Base Total:	**1871.0**		**3021.7**	**As-Built Total:**		**1871.0**		**2448.3**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	17.0	2.40	40.8	1.Exterior Insulated	20.0	4.10	82.0
Exterior	20.0	6.10	122.0	2.Adjacent Wood	17.0	2.40	40.8
Base Total:	**37.0**		**162.8**	**As-Built Total:**	**37.0**		**122.8**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM =	Points
Under Attic	1120.0	1.73	1937.6	1. Under Attic	19.0	1120.0	2.34 X 1.00	2620.8
Base Total:	**1120.0**		**1937.6**	**As-Built Total:**		**1120.0**		**2620.8**

FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Slab	136.0(p)	-37.0	-5032.0	1. Slab-On-Grade Edge Insulation	0.0	136.0(p	-41.20	-5603.2
Raised	0.0	0.00	0.0					
Base Total:			**-5032.0**	**As-Built Total:**		**136.0**		**-5603.2**

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: , Plat: , , ,** PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BSPM	= Points			Area X	SPM	=	Points	
	2223.0	10.21	22696.8			2223.0	10.21		22696.8	
Summer Base Points: 30225.9				**Summer As-Built Points:**					**32981.5**	
Total Summer Points	X System Multiplier	= Cooling Points		Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points	
				(sys 1: Central Unit 40500btuh ,SEER/EFF(13.0) Ducts:Unc(S),Con(R),Int(AH),R6.0(INS)						
30225.9	0.3250	9823.4		32982 **32981.5**	1.00 **1.00**	(1.08 x 1.147 x 0.86) **1.072**	0.260 **0.260**	0.950 **0.950**	8732.2 **8732.2**	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: , Plat: , , ,** PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points
.18	2223.0	20.17	8071.0	1.Single, Clear	E	1.0	6.0	30.0	26.41	1.02	804.0
				2.Single, Clear	E	1.0	15.0	30.0	26.41	1.00	795.0
				3.Single, Clear	E	1.0	4.0	9.0	26.41	1.04	246.0
				4.Single, Clear	E	1.0	4.0	6.0	26.41	1.04	164.0
				5.Single, Clear	E	1.0	4.0	6.0	26.41	1.04	164.0
				6.Single, Clear	N	1.0	15.0	30.0	33.22	1.00	996.0
				7.Single, Clear	W	1.0	16.0	40.0	28.84	1.00	1154.0
				8.Single, Clear	W	1.0	15.0	30.0	28.84	1.00	866.0
				9.Single, Clear	W	1.0	13.0	9.0	28.84	1.00	259.0
				10.Single, Clear	W	1.0	5.5	15.0	28.84	1.01	436.0
				11.Single, Clear	W	1.0	5.5	15.0	28.84	1.01	436.0
				12.Single, Clear	W	1.0	5.5	30.0	28.84	1.01	873.0
				13.Single, Clear	E	4.0	2.5	8.0	26.41	1.41	297.0
				14.Single, Clear	E	4.0	7.0	5.0	26.41	1.15	151.0
				As-Built Total:				**263.0**			**7641.0**

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	159.0	3.60	572.4	1. Concrete, Int Insul, Exterior	4.1	720.0	6.42	4622.4
Exterior	1712.0	3.70	6334.4	2. Frame, Wood, Exterior	13.0	992.0	3.40	3372.8
				3. Frame, Steel, Adjacent	13.0	159.0	4.90	779.1
Base Total:	**1871.0**		**6906.8**	**As-Built Total:**		**1871.0**		**8774.3**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	17.0	11.50	195.5	1.Exterior Insulated	20.0	8.40	168.0
Exterior	20.0	12.30	246.0	2.Adjacent Wood	17.0	11.50	195.5
Base Total:	**37.0**		**441.5**	**As-Built Total:**	**37.0**		**363.5**

CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X WCM	= Points
Under Attic	1120.0	2.05	2296.0	1. Under Attic	19.0	1120.0	2.70 X 1.00	3024.0
Base Total:	**1120.0**		**2296.0**	**As-Built Total:**		**1120.0**		**3024.0**

FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	136.0(p)	8.9	1210.4	1. Slab-On-Grade Edge Insulation	0.0	136.0(p	18.80	2556.8
Raised	0.0	0.00	0.0					
Base Total:			**1210.4**	**As-Built Total:**		**136.0**		**2556.8**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: , Plat: , , ,** PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BWPM	= Points		Area X	WPM	= Points			
	2223.0	-0.59	-1311.6		2223.0	-0.59	-1311.6			
Winter Base Points:			**17614.1**	**Winter As-Built Points:**						**21048.0**
Total Winter Points	X	System Multiplier	= Heating Points	Total Component (System - Points)	X	Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
				(sys 1: Electric Heat Pump 40500 btuh ,EFF(8.1) Ducts:Unc(S),Con(R),Int(AH),R6.0						
17614.1		**0.5540**	**9758.2**	21048.0 **21048.0**		1.000 **1.00**	(1.060 x 1.169 x 0.88) **1.095**	0.421 **0.421**	0.950 **0.950**	9215.8 **9215.8**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: , Plat: , , ,** PERMIT #:

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

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points +	Heating Points +	Hot Water Points =	Total Points	Cooling Points +	Heating Points +	Hot Water Points =	Total Points
9823	**9758**	**10540**	**30122**	**8732**	**9216**	**10774**	**28722**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: , Plat: , , ,** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.3

The higher the score, the more efficient the home.

ELECTRIC, Lot: , Sub: , Plat: , , ,

1.	New construction or existing	New	
2.	Single family or multi-family	Single family	
3.	Number of units, if multi-family	1	
4.	Number of Bedrooms	4	
5.	Is this a worst case?	Yes	
6.	Conditioned floor area (ft²)	2223 ft²	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
	a. U-factor: (or Single or Double DEFAULT)	7a. (Sngle Default) 263.0 ft²	
	b. SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 263.0 ft²	
8.	Floor types		
	a. Slab-On-Grade Edge Insulation	R=0.0, 136.0(p) ft	
	b. N/A		
	c. N/A		
9.	Wall types		
	a. Concrete, Int Insul, Exterior	R=4.1, 720.0 ft²	
	b. Frame, Wood, Exterior	R=13.0, 992.0 ft²	
	c. Frame, Steel, Adjacent	R=13.0, 159.0 ft²	
	d. N/A		
	e. N/A		
10.	Ceiling types		
	a. Under Attic	R=19.0, 1120.0 ft²	
	b. N/A		
	c. N/A		
11.	Ducts		
	a. Sup: Unc. Ret: Con. AH(Sealed):Interior	Sup. R=6.0, 150.0 ft	
	b. N/A		
12.	Cooling systems		
	a. Central Unit	Cap: 40.5 kBtu/hr SEER: 13.00	
	b. N/A		
	c. N/A		
13.	Heating systems		
	a. Electric Heat Pump	Cap: 40.5 kBtu/hr HSPF: 8.10	
	b. N/A		
	c. N/A		
14.	Hot water systems		
	a. Electric Resistance	Cap: 50.0 gallons EF: 0.90	
	b. N/A		
	c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT,	

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

Builder Signature: Melissa Morgan Date: 05/12/08

Address of New Home: 277 SW Timber Ridge Dr City/FL Zip: Lake City, FL 32055

GREAT SEAL OF THE STATE OF FLORIDA — IN GOD WE TRUST

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

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

Duct System Summary

Entire House

MARONDA HOMES

Job: SUNBURY
Date:
By: G. CARMACK

4005 MARONDA WAY, SANFORD, FL 32771 Phone: (407) 321-0064

Project Information

For: SUNBURY

	Heating	Cooling
External static pressure	0.60 in H2O	0.60 in H2O
Pressure losses	0.00 in H2O	0.00 in H2O
Available static pressure	0.60 in H2O	0.60 in H2O
Supply / return available pressure	0.48 / 0.12 in H2O	0.48 / 0.12 in H2O
Lowest friction rate	1.935 in/100ft	1.935 in/100ft
Actual air flow	1240 cfm	***1240*** cfm
Total effective length (TEL)	31 ft	

Supply Branch Detail Table

Name	Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	Rect Size (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
KITCHEN	h 4235	150	150	1.935	6	x0	VlFx	25.0	0.0	st1
FAMILY ROOM	h 4241	140	140	1.935	6	x0	VlFx	25.0	0.0	ST2
DINING ROOM	h 3991	150	150	1.935	6	x0	VlFx	25.0	0.0	st1
LIVING ROOM	c 3329	140	140	9.677	6	x0	VlFx	5.0	0.0	ST3
UTILITY ROOM	h 829	25	25	9.677	4	x0	VlFx	5.0	0.0	ST3
BATHROOM	c 1432	25	25	9.677	4	x0	VlFx	5.0	0.0	ST3
MASTER BEDROOM	c 3303	140	140	3.226	6	x0	VlFx	15.0	0.0	ST2
MASTER BATHROOM	c 2516	100	100	3.226	5	x0	VlFx	15.0	0.0	st5
HALL BATHROOM	c 1109	25	25	4.839	4	x0	VlFx	10.0	0.0	ST2
TOILET	c 1023	25	25	3.226	4	x0	VlFx	15.0	0.0	st5
BEDROOM #3	h 4511	110	110	4.839	5	x0	VlFx	10.0	0.0	st1
BEDROOM #2	c 2422	100	100	4.839	5	x0	VlFx	10.0	0.0	ST4
BEDROOM #4	c 2681	110	110	4.839	5	x0	VlFx	10.0	0.0	st1

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
st1	Peak AVF	520	520	1.935	515	12	0 x 0	VinlFlx	
ST2	Peak AVF	620	620	1.935	613	12	0 x 0	VinlFlx	
ST3	Peak AVF	190	190	9.677	569	7	0 x 0	VinlFlx	st5
ST4	Peak AVF	100	100	4.839	510	5	0 x 0	VinlFlx	
st5	Peak AVF	315	315	3.226	632	10	0 x 0	VinlFlx	st2

Bold/italic values have been manually overridden

Return Branch Detail Table

Name	Grill Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	RectSize (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb1	0x 0	124 0	1240	6.0	1.935	568	18	x0 0		VlFx	

wrightsoft the right choice

Project Summary
Entire House
MARONDA HOMES

Job: SUNBURY
Date:
By: G. CARMACK

4005 MARONDA WAY, SANFORD, FL 32771 Phone: (407) 321-0064

Project Information

For: SUNBURY

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33	°F
Inside db	70	°F
Design TD	37	°F

Summer Design Conditions

Outside db	92	°F
Inside db	75	°F
Design TD	17	°F
Daily range	M	
Relative humidity	50	%
Moisture difference	52	gr/lb

Heating Summary

Structure	39178	Btuh
Ducts	7466	Btuh
Central vent (100 cfm)	***4048***	Btuh
Humidification	0	Btuh
Piping	0	Btuh
Equipment load	50692	Btuh

Sensible Cooling Equipment Load Sizing

Structure	19600	Btuh
Ducts	9255	Btuh
Central vent (100 cfm)	***1860***	Btuh
Blower	0	Btuh
Use manufacturer's data	n	
Rate/swing multiplier	0.97	
Equipment sensible load	29794	Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	2223	2223
Volume (ft³)	17517	17517
Air changes/hour	0.32	0.16
Equiv. AVF (cfm)	93	47

Latent Cooling Equipment Load Sizing

Structure	2842	Btuh
Ducts	2144	Btuh
Central vent (100 cfm)	3516	Btuh
Equipment latent load	8502	Btuh
Equipment total load	38295	Btuh
Req. total capacity at 0.76 SHR	3.3	ton

Heating Equipment Summary

Make TEMPSTAR
Trade HEAT PUMP
Model N4H342AKA

Efficiency	8.1	HSPF
Heating input		
Heating output	0	Btuh @ 47°F
Temperature rise	0	°F
Actual air flow	1240	cfm
Air flow factor	0.027	cfm/Btuh
Static pressure	0.60	in H2O
Space thermostat		

Cooling Equipment Summary

Make TEMPSTAR
Trade HEAT PUMP
Cond N4H342AKA
Coil FSU4X4200A

Efficiency	13	SEER
Sensible cooling	30780	Btuh
Latent cooling	9720	Btuh
Total cooling	40500	Btuh
Actual air flow	***1240***	cfm
Air flow factor	0.043	cfm/Btuh
Static pressure	0.60	in H2O
Load sensible heat ratio	0.78	

Bold/italic values have been manually overridden

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.

wrightsoft the right choice

Building Analysis
Entire House
MARONDA HOMES

Job: SUNBURY
Date:
By: G. CARMACK

4005 MARONDA WAY, SANFORD, FL 32771 Phone: (407) 321-0064

Project Information

For: SUNBURY

Design Conditions

Location:
Gainesville, FL, US
Elevation: 151 ft
Latitude: 30°N

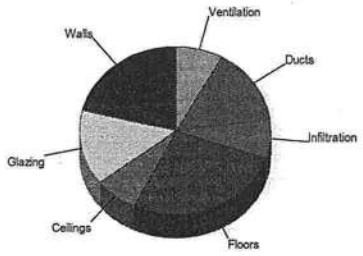
Outdoor:	**Heating**	**Cooling**
Dry bulb (°F)	33	92
Daily range (°F)	-	19 (M)
Wet bulb (°F)	-	77
Wind speed (mph)	15.0	7.5

Indoor:	**Heating**	**Cooling**
Indoor temperature (°F)	70	75
Design TD (°F)	37	17
Relative humidity (%)	30	50
Moisture difference (gr/lb)	10.6	52.0

Infiltration:	
Method	Simplified
Construction quality	Average
Fireplaces	0

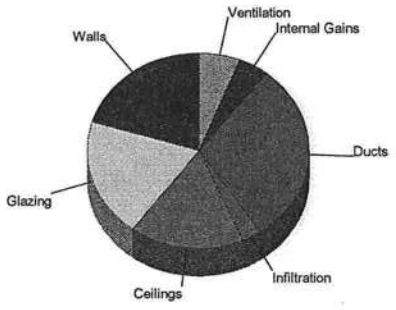
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	4.1	10723	21.2
Glazing	47.0	7283	14.4
Doors	0.0	0	0.0
Ceilings	1.3	3724	7.3
Floors	28.1	13667	27.0
Infiltration	1.4	3782	7.5
Ducts		7466	14.7
Piping		0	0.0
Humidification		0	0.0
Ventilation		4048	8.0
Adjustments		0	
Total		**50692**	**100.0**



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	2.4	6218	20.2
Glazing	38.9	6036	19.7
Doors	0.0	0	0.0
Ceilings	1.8	5097	16.6
Floors	0.0	0	0.0
Infiltration	0.3	869	2.8
Ducts		9255	30.1
Ventilation		1860	6.1
Internal gains		1380	4.5
Blower		0	0.0
Adjustments		0	
Total		**30715**	**100.0**



Overall U-value = 0.160 Btuh/ft²-°F

Data entries checked.

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

Signed, sealed and delivered
in the presence of:

Linda Brown
Print Name: Linda Brown

Debbie G. Moore
Print Name: Debbie G. Moore

RML HOLDINGS, INC., a Florida corporation

By: Margaret Lardizabal
Margaret Lardizabal
Vice President

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 10th day of October, 2007, by Margaret Lardizabal, as Vice President of RML Holdings, Inc., a Florida corporation, on behalf of said corporation, who is personally known to me.

Debbie G. Moore
Notary Public, State of Florida

NOTARY PUBLIC * STATE OF FLORIDA *
Debbie G. Moore
Commission # DD400475
Expires March 16, 2009
Bonded Troy Fain - Insurance, Inc. 800-385-7019

F:\WPDOCS[redacted].WPD

CERTIFICATE OF

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 10-4S-16-02856-108 **Building permit No.** 000027131

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

Permit Holder THEODORE BROCK **Waste:** 184.25

Owner of Building MARONDA HOMES INC. OF FL **Total:** 254.87

Location: 277 SW TIMBERRIDGE DRIVE, LAKE CITY, FL

Date: 11/14/2008

Wayne A. Rust

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

2713/

BOUNDARY SURVEY

IN SECTION 10, TOWNSHIP 4 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA

LEGAL DESCRIPTION:

LOT EIGHT (8) OF "TIMBERLANDS" AS PER PLAT THEREOF, AS RECORDED IN PLAT BOOK '9', PAGE 27 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

CERTIFIED TO:

1) MARONDA HOMES

BUILDING SETBACK NOTE:

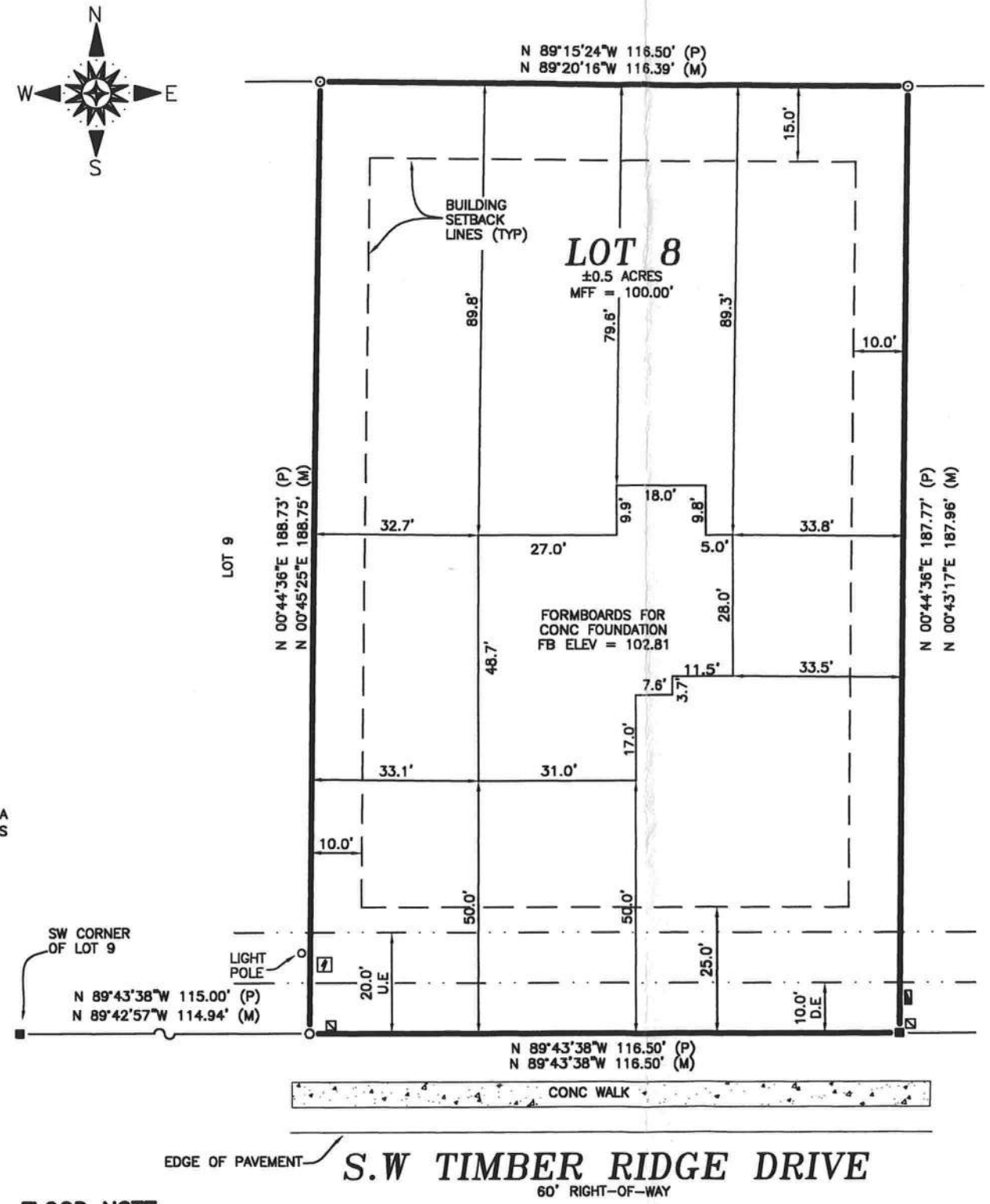
BUILDING SETBACK INFORMATION FOR "TIMBERLANDS" IS AS FOLLOWS: FRONT 25', REAR 15', SIDE 10'

BENCHMARK NOTE:

ELEVATIONS SHOWN HEREON ARE BASED UPON A BENCHMARK SET IN A 8" PINE AT THE FRONT OF LOT 2, WITH AN ELEVATION OF 98.76'. THIS INFORMATION WAS PROVIDED TO THIS SURVEYOR BY BRITT SURVEYING (PLATTING SURVEYOR) DATUM UNKNOWN.

SURVEYOR NOTES:

1) TO THE BEST OF MY KNOWLEDGE, THERE ARE NO ENCROACHMENTS, BOUNDARY LINE DISPUTES, EASEMENTS, OR CLAIMS OF EASEMENTS, OTHER THAN ARE DEPICTED ON THIS DRAWING.
2) ALL UTILITIES AND OR IMPROVEMENTS, IF ANY, MAY NOT BE SHOWN ON THIS DRAWING.
3) IN THE OPINION OF THIS SURVEYOR THE BOUNDARY SHOWN HEREON BEST REPRESENTS THE LOCATION OF THE SUBJECT PROPERTY IN RELATION TO THE DESCRIPTION AND THOSE PROPERTY CORNERS FOUND TO BE ACCEPTABLE TO THIS SURVEYOR.
4) BUILDING SETBACK LINES DEPICTED HEREON ARE SHOWN AS PER THE RECORD PLAT, BUT ARE SUBJECT TO CHANGE. PRIOR TO ANY NEW CONSTRUCTION, THE APPROPRIATE GOVERNING AUTHORITY SHOULD BE CONTACTED FOR THE CURRENT SETBACK REQUIREMENTS.
5) THIS MAP OF SURVEY REFLECTS CONDITIONS LOCATED AS OF THE DATE OF FIELD WORK COMPLETION (SEE TITLE BLOCK).
6) AREAS OF ENVIRONMENTAL CONCERN HAVE NOT BEEN LOCATED BY THIS SURVEYOR, UNLESS OTHERWISE DEPICTED HEREON.



30 0 30 60 90

1" = 30'

LEGEND:

- ● = FOUND 1/2" REBAR NO IDENTIFICATION
- ⊙ = FOUND 1/2" REBAR & CAP L.B. 6894
- ○ = SET 1/2" REBAR & CAP L.B. 6894
- ⌀ = FOUND 3/4" IRON PIPE
- ■ = FOUND 4" X 4" CONC. MON. NO IDENTIFICATION
- □ = SET 4" X 4" CONC. MON. P.S.M. 5582
- ⊠ = SET NAIL & DISK P.S.M. 5582
- ✕ = FOUND NAIL & DISK
- ⊠ = FOUND 6" X 6" S.R.D. R/W MON.
- ⊟ = CATV RISER
- ⊡ = TELEPHONE PEDESTAL
- ⌀ = WOOD POWER POLE

ABBREVIATIONS:

A/C = AIR CONDITIONER
ASPH = ASPHALT
C = CALCULATED FROM MEASURED
CATV = CABLE TELEVISION
C/B = CONCRETE BLOCK
CLF = CHAIN LINK FENCE
CM = CONCRETE MONUMENT
CONC = CONCRETE
ELEC = ELECTRIC
ELEV = ELEVATION
FND = FOUND
FNC = FENCE
LB = LICENSED SURVEYOR BUSINESS
(M) = FIELD MEASURED
MH = MANHOLE
O.U. = OVERHEAD UTILITIES
P = PLAT
PB = PLAT BOOK
P.U.E. = PUBLIC UTILITIES EASEMENT
TRANS = TRANSFORMER
TYP = TYPICAL
WM = WATER METER
WV = WATER VALVE

FLOOD NOTE:

IN THE OPINION OF THIS SURVEYOR, ACCORDING TO THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 120070-0175-B, DATED 1-6-88, THIS PROPERTY IS IN FLOOD ZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE 500-YEAR FLOOD PLAIN, AS SCALED FROM SAID MAP. INFORMATION FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAPS, SHOWN ON THIS MAP, WAS CURRENT AS OF THE REFERENCED DATE. MAP REVISIONS AND AMENDMENTS ARE PERIODICALLY MADE BY LETTER AND MAY NOT BE REFLECTED ON THE MOST CURRENT MAP.

TITLE NOTE:

THIS SURVEY IS SUBJECT TO ANY FACTS THAT MAY BE DISCLOSED BY A FULL AND ACCURATE TITLE SEARCH. THIS SURVEYOR HAS NOT PERFORMED A SEARCH OF THE PUBLIC RECORDS ON THIS PARCEL FOR ANY CLAIMS OF TITLE, EASEMENTS, OR RESTRICTIONS THAT MAY EFFECT THIS PARCEL. THE PRESENCE OR ABSENCE OF ANY SUCH CLAIMS ARE NOT CERTIFIED HEREON.

CERTIFICATE OF SURVEYOR:

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER. ADDITIONS OR DELETIONS TO THIS MAP BY ANYONE OTHER THAN THIS SURVEYOR IS PROHIBITED.

I HEREBY CERTIFY THAT THE SURVEY DATA SHOWN HEREON, IS A TRUE AND CORRECT REPRESENTATION OF A SURVEY PERFORMED UNDER MY SUPERVISION OF THE HEREON DESCRIBED PROPERTY, AND IT MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF LAND SURVEYORS, PURSUANT TO SECTION 472.027, FLORIDA STATUTES, AND CHAPTER 61G17-6, FLORIDA ADMINISTRATIVE CODE.

BY: _____
JAMES E. BRINKMAN, PSM - FLA. CERT# 5582
DATE: 7/14/08

BRINKMAN SURVEYING & MAPPING INC.
4607 NW 6th STREET SUITE C, GAINESVILLE, FL. 32609
PHONE: (352) 374-7707 FAX: (352) 374-8757

SCALE: 1" = 30'	"THE BENCHMARK IN QUALITY SERVICE"	DRAWN BY: ZL
DATE: 7/14/08		CHECKED BY: J.B.
FIELD WORK COMPLETED ON 7/8/08	FIELDBOOK 96, PAGE 66	
PREPARED FOR: MARONDA		DRAWING NUMBER 097-08

PROPOSED BUILDING LAYOUT

IN SECTION 10, TOWNSHIP 4 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA

LEGAL DESCRIPTION:

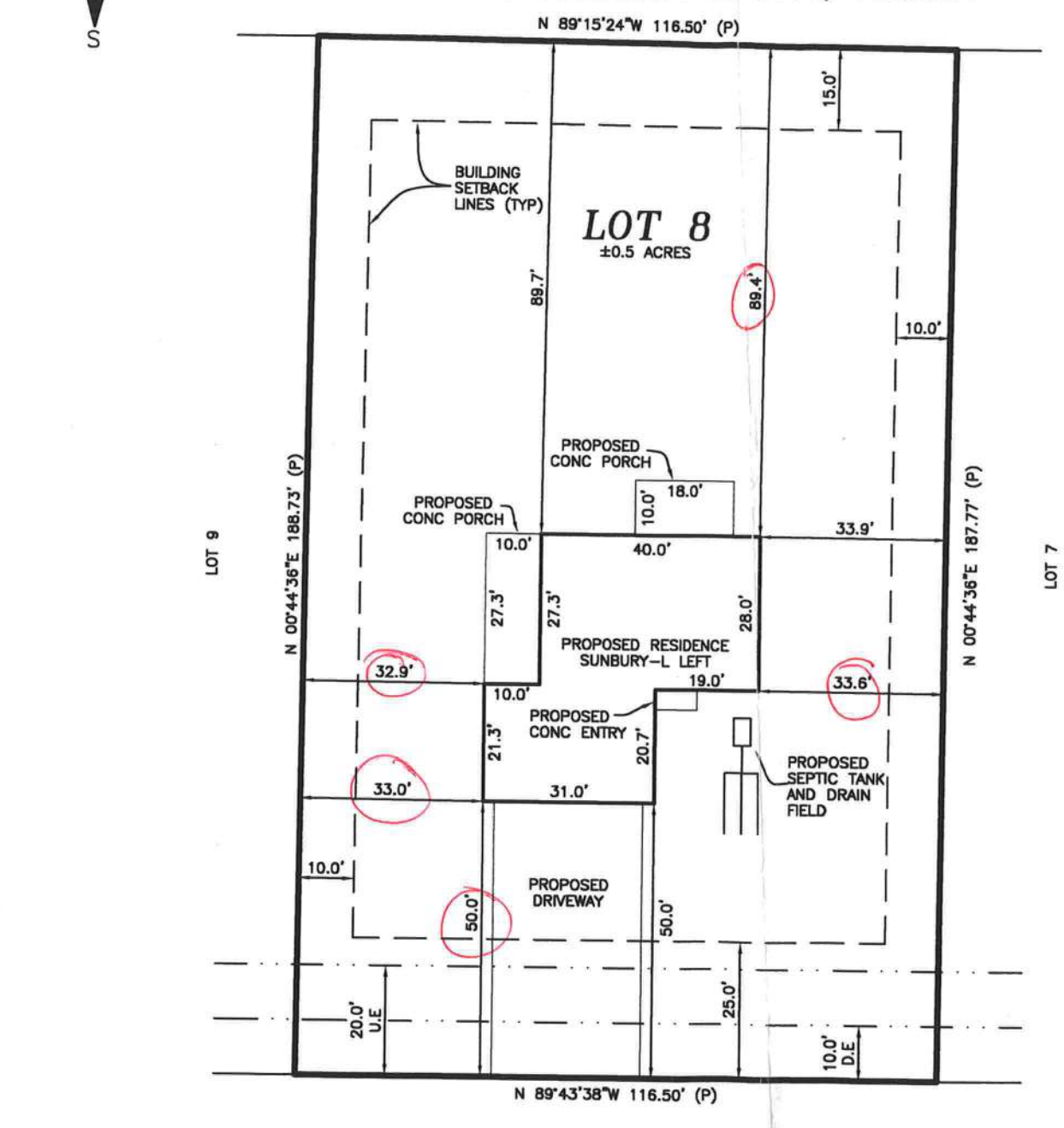
LOT EIGHT (8) OF "TIMBERLANDS" AS PER PLAT THEREOF, AS RECORDED IN PLAT BOOK '9', PAGE 27 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

CERTIFIED TO:

1) MARONDA HOMES

BUILDING SETBACK NOTE:

BUILDING SETBACK INFORMATION FOR "TIMBERLANDS" IS AS FOLLOWS: FRONT 25', REAR 15', SIDE 10'



S.W TIMBER RIDGE DRIVE

60' RIGHT-OF-WAY

SURVEYOR NOTES:

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5) THIS MAP OF SURVEY REFLECTS CONDITIONS LOCATED AS OF THE DATE OF FIELD WORK COMPLETION (SEE TITLE BLOCK).
6) AREAS OF ENVIRONMENTAL CONCERN HAVE NOT BEEN LOCATED BY THIS SURVEYOR, UNLESS OTHERWISE DEPICTED HEREON.

FLOOD NOTE:

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TITLE NOTE:

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30 0 30 60 90

1" = 30'

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ABBREVIATIONS:

- A/C = AIR CONDITIONER
- ASPH = ASPHALT
- C = CALCULATED FROM MEASURED
- CATV = CABLE TELEVISION
- C/B = CONCRETE BLOCK
- CLF = CHAIN LINK FENCE
- CM = CONCRETE MONUMENT
- CONC = CONCRETE
- ELEC = ELECTRIC
- ELEV = ELEVATION
- FND = FOUND
- FNC = FENCE
- LB = LICENSED SURVEYOR BUSINESS
- (M) = FIELD MEASURED
- MH = MANHOLE
- O.U. = OVERHEAD UTILITIES
- P = PLAT
- PB = PLAT BOOK
- P.U.E. = PUBLIC UTILITIES EASEMENT
- TRANS = TRANSFORMER
- TYP = TYPICAL
- WM = WATER METER
- WV = WATER VALVE

THIS IS NOT A BOUNDARY SURVEY

CERTIFICATE OF SURVEYOR:

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER. ADDITIONS OR DELETIONS TO THIS MAP BY ANYONE OTHER THAN THIS SURVEYOR IS PROHIBITED.

I HEREBY CERTIFY THAT THE SURVEY DATA SHOWN HEREON, IS A TRUE AND CORRECT REPRESENTATION OF A SURVEY PERFORMED UNDER MY SUPERVISION OF THE HEREON DESCRIBED PROPERTY, AND IT MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF LAND SURVEYORS, PURSUANT TO SECTION 472.027, FLORIDA STATUTES, AND CHAPTER 61G17-6, FLORIDA ADMINISTRATIVE CODE.

BY: _____

JAMES E. BRINKMAN, PSM - FLA. CERT# 5582

DATE: 5/20/08

BRINKMAN SURVEYING & MAPPING INC.

4607 NW 6th STREET SUITE C, GAINESVILLE, FL. 32609

PHONE: (352) 374-7707 FAX: (352) 374-8757

SCALE: 1" = 30'	"THE BENCHMARK IN QUALITY SERVICE"	DRAWN BY: ZL
DATE: 5/19/08		CHECKED BY: J.B.
FIELD WORK COMPLETED ON **** FIELDBOOK **, PAGE **		
PREPARED FOR: MARONDA		DRAWING NUMBER 097-08

FEES:

ROAD IMPACT FEE $1,046.00 CODE 210 UNIT 1
10100003632400

EMS IMPACT FEE $29.88
10300003632210

FIRE PROTECTION IMPACT FEE $78.63
10200003632220

CORRECTIONS IMPACT FEE $409.16
00100003632200

SCHOOL IMPACT FEE $1,500.00
00100003632900

TOTAL FEES CHARGED $3,063.67 CHECK NUMBER _____