

APPLICANTROGER BONIFANTPHONE321 689-2673

ADDRESS6800SOUTHPOINT PARKWAYJACKSONVILLEFL32216

OWNERMARONDA HOMESPHONE904 296-1490

ADDRESS252SW MULBERRY DRIVELAKE CITYFL32055

CONTRACTORTHEODORE BROCKPHONE904 296-1490

LOCATION OF PROPERTY90W, TL ON 247S, TR ON 252B, TL TIMBERRIDGE, TL
MULBERRY, 5TH LOT ON RIGHT

TYPE DEVELOPMENTSFD,UTILITYESTIMATED COST OF CONSTRUCTION120300.00

HEATED FLOOR AREATOTAL AREAHHEIGHTSTORIES1

FOUNDATIONCONCWALLSFRAMEDROOF PITCH6/12FLOORSLAB

LAND USE & ZONINGRSF-2MAX. HEIGHT18

Minimum Set Back Requirments:STREET-FRONT25.00REAR15.00SIDE10.00

NO. EX.D.U.0FLOOD ZONEX PPDEVELOPMENT PERMIT NO.

PARCEL ID10-4S-16-02856-128SUBDIVISIONTIMBERLANDS

LOT28BLOCKPHASEUNITTOTAL ACRES0.50

000001693CBC1256382

Culvert Permit No.Culvert WaiverContractor's License NumberApplicant/Owner/Contractor

CULVERT08-725BKWRY

Driveway ConnectionSeptic Tank NumberLU & Zoning checked byApproved for IssuanceNew Resident

COMMENTS: ELEVATION CONFIRMATION LETTER REQUIRED AT SLAB, MFE @ 91.0, NOC ON
FILE

Check # or Cash956757

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary PowerFoundationMonolithic

Under slab rough-in plumbingSlabSheathing/Nailing

FramingRough-in plumbing above slab and below wood floor

Electrical rough-inHeat & Air DuctPeri. beam (Lintel)

Permanent powerC.O. FinalCulvert

M/H tie downs, blocking, electricity and plumbingPool

ReconnectionPump poleUtility Pole

M/H PoleTravel TrailerRe-roof

BUILDING PERMIT FEE \$605.00CERTIFICATION FEE \$12.03SURCHARGE FEE \$12.03

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

FLOOD DEVELOPMENT FEE \$FLOOD ZONE FEE \$25.00CULVERT FEE \$25.00TOTAL FEE729.06

INSPECTORS OFFICECLERKS 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 PROGRESS WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS.

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

Columbia County Building Permit Application

For Office Use Only Application # 0811-37 Date Received 11/25/08 By GP Permit # 1193/27518
 Zoning Official BLK Date 03-12-08 Flood Zone x P plat Land Use Res. Low Den Zoning RSF-2
 FEMA Map # N/A Elevation N/A MFE 91.04 River N/A Plans Examiner WR Date 12-2-08
 Comments Elevation Confirmation letter required at slab
☐ NOC ☒ EH ☒ Deed or PA ☒ Site Plan ☐ State Road Info ☐ Parent Parcel # _____
☐ Dev Permit # _____ ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F W Comp. letter
 IMPACT FEES: EMS \$29.88 Fire \$78.83 Corr 409.14 Road/Code \$1,046.00/210
 School \$1,500.00 = TOTAL \$3,063.67

Septic Permit No. _____

Fax (904) 332-10375Name Authorized Person Signing Permit Theodore Brock / Patrick Wilson Phone (904) 291-1490Address 10800 Southpoint Pkwy #300 Jacksonville, FL 32216Owners Name Maronda Homes Inc. of Florida Phone (904) 291-1490911 Address 252 SW Mulberry Drive Lake City, FL 32055Contractors Name Theodore C. Brock Phone (904) 291-1490Address 10800 Southpoint Pkwy #300 Jacksonville, FL 32216Fee Simple Owner Name & Address N/ABonding Co. Name & Address N/AArchitect/Engineer Name & Address Thomas Ponce 4005 Maronda Way Sanford, FL 32711Mortgage Lenders Name & Address Bank of America 250 Park Ave. S #400 Winter Park, FL 32789Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progress EnergyProperty ID Number 10-4S-110-02850-128 Estimated Cost of Construction \$91,890.00Subdivision Name Timberlands Lot 24 Block _____ Unit _____ Phase _____Driving Directions Hwy 90, left on 247 South; Right on 252B; left on Timber RidgeLEFT
TO MULBERRY DR 5th HOUSE ON RIGHTNumber of Existing Dwellings on Property 0Construction of Residential Single Family Dwelling Total Acreage .50 Lot Size 24,000Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 18'Actual Distance of Structure from Property Lines - Front 32 Side 48 Side 28 Rear 75.3Number of Stories 1 Heated Floor Area 2024 Total Floor Area 2406 Roof Pitch 6/12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

Page 1 of 2 (Both Pages must be submitted together.)

Revised 1-10-08

Sent
email
12/3/08 \$ 729.06

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

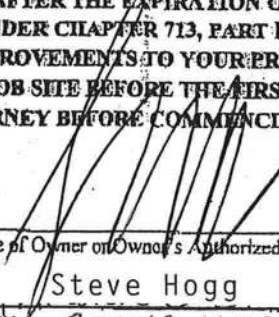
Tax Parcel Identification Number 10-45-16-02856-128

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): 252 SW MULBERRY DRIVE
a) Street (job) Address: LAKE CITY FL 32024
2. General description of improvements: CONSTRUCTION OF A SINGLE FAMILY DWELLING
3. Owner Information
a) Name and address: MARONDA HOMES INC. OF FL 10800 SOUTHPOINT PKWY #300 JAX FL 32216
b) Name and address of fee simple titleholder (if other than owner):
c) Interest in property: OWNER
4. Contractor Information
a) Name and address: MARONDA HOMES INC OF FL 10800 SOUTHPOINT PKWY #300 JAX FL 32216
b) Telephone No.: (904) 291-1490 Fax No. (Opt.): (904) 332-1235
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: STEEL CITY TIME INC. 851 TRAFALGAR CT #1325 Maitland, FL 32751
b) Telephone No.: 407-660-4422 Fax No. (Opt.): 407-660-4708
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes:
a) Name and address:
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 Officer/Director/Partner/Manager
Steve Hogg
Print Name STEVE HOGG

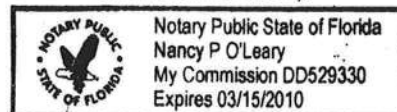
The foregoing instrument was acknowledged before me a Florida Notary, this 12 day of DECEMBER, 20 08, by:
STEVE HOGG as DIVISION MANAGER (type of authority, e.g. officer, trustee, attorney
fact) for MARONDA HOMES INC OF FLORIDA (name of party on behalf of whom instrument was executed).

Personally Known ☒ OR Produced Identification _____ Type _____

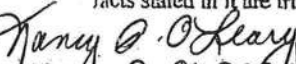
Notary Signature


NANCY P. O'LEARY

Notary Stamp or Seal:



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.


NANCY P. O'LEARY



Notary Public State of Florida
Nancy P. O'Leary
My Commission DD529330
Expires 03/15/2010

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

STEVE HOGG

Columbia County Building Permit Application

TIME LIMITATIONS OF APPLICATION : An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

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.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT 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.

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 Hagg

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

CBC1250382

Columbia County

Competency Card Number

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 21 day of September 2008.

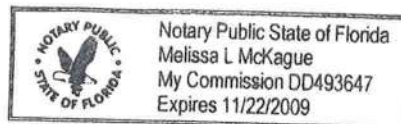
Personally known X or Produced Identification

Melissa L McKague

State of Florida Notary Signature (For the Contractor)

Melissa L McKague

SEAL:





STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE DISPOSAL SYSTEM
APPLICATION FOR CONSTRUCTION PERMIT

550314-802-491
SIB/C 11-19

08-0725

PERMIT NO. 902093
DATE PAID: 7425.00
FEE PAID: 1714108
RECEIPT #: 1074780

APPLICATION FOR:

☒ New System ☐ Existing System ☐ Holding Tank ☐ Innovative
☐ Repair ☐ Abandonment ☐ Temporary ☐

APPLICANT: Maronda Homes Inc of Florida

AGENT: Melinda McKague

TELEPHONE: (904) 290-1440 ext 1

MAILING ADDRESS: 10800 Southpoint Pkwy # 300 Jacksonville, FL 32216

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3)(M) OR 489.552, FLORIDA STATUTES.

PROPERTY INFORMATION

LOT: 28 BLOCK: 1 SUBDIVISION: Timberlands PLATTED: Yes

PROPERTY ID #: 10-48-16-02856-128 ZONING: SFR I/M OR EQUIVALENT: [Y / N]

PROPERTY SIZE: 50 ACRES WATER SUPPLY: [] PRIVATE PUBLIC [X] <=2000GPD [] >2000GPD
IS SEWER AVAILABLE AS PER 381.0065, FS? [Y / N]

DISTANCE TO SEWER: 0 FT

PROPERTY ADDRESS: 233 SW Mulberry Dr.

DIRECTIONS TO PROPERTY: US 90 West, left on 247, right on CR252B, left on SW Timber Ridge Drive, left on SW Mulberry Drive, 5th lot on right.

BUILDING INFORMATION

☒ RESIDENTIAL

☐ COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	SFR	3	2406	400 GPD
2	11-20-08 - Permit called			
3	lot cleared			
4	Ready for inspection			

☐ Floor/Equipment Drains ☐ Other (Specify)

SIGNATURE: Melinda McKague

DATE: 09/29/08



STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 08-0725

----- 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

Title

Plan Approved ☒

Not Approved ☐

Date 11-20-08

By

Mur A. Smith

Columbia

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

PROPOSED BUILDING LAYOUT



08-078

3

FLOOD NOTE:

IN THE OPINION OF THE
NATURAL FLOOD INSURANCE
MAP COMMUNITY PANEL
THIS PROPERTY IS NOT
DETERMINED TO BE
SCALED FROM SAID MAP
EMERGENCY MANAGEMENT
RATE MAPS, SHOWN AS
REFERENCED DATE. IT
PERIODICALLY MADE BY
ON THE MOST CURRENT

FLOOD NOTES:

TITLE NOTES:

DATE	
PRE	

LEGEND:

- FOUND 1/2" REBAR NO IDENTIFICATION
- FOUND 1/2" REBAR & CAP
- SET 1/2" REBAR & CAP
- LB. 6839
- FOUND 3/4" IRON PIPE
- FOUND 4" x 4" CONC. MON.
- NO IDENTIFICATION
- SET 4" x 4" CONC. MON.
- S.M., 5843
- × SET NAIL & DISK P.S.M. 5882
- × FOUND NAIL & DISK
- FOUND 6" x 6" S.D.
- × R/W MON.
- 4" NYR RISER
- TELEPHONE PEDESTAL
- WOOD POWER POLE

ABBREVIATIONS:

- A/C = AIR CONDITIONER
- ASH = ASHTRAY
- ASLT = ASSOCIATED ROOM
- CAV = CAVITY
- C/B = CABLE TELEVISION
- CB = CONCRETE BLOCK
- CM = CONCRETE MASONRY
- CONC = CONCRETE
- ELEC = ELECTRIC
- ELV = ELEVATION
- FLY = FLYING
- FNC = FENCE
- FR = FLOOR
- PLAY = PLAY AREA
- REAR = REAR
- UB = UNBUILT
- LB = LICENSED SURVEYOR BUSINESS
- (M) = MEASUREMENT
- FIELD = FIELD
- OVERSEEN UTILITIES = OVERSEEN UTILITIES
- O.U. = OUTLET
- P = PILE
- PE = PILE
- PL = PUBLIC UTILITIES EASEMENT
- TRANS = TRANSFORMER
- TYP = TYPICAL
- WATER = WATER
- WV = WATER VALVE

THIS IS NOT A BOUNDARY SURVEY
CERTIFICATE OF SURVEYOR:

DATE: 11/13/08

	
BRINCKMAN SURVEYING & MAPPING, INC.	
4607 NW 6th STREET SUITE C, GAINESVILLE, FL 32609	
PHONE: (352) 374-7707	FAX: (352) 374-8757
SCALE: 1" = 30'	
DATE: 11/11/2008	
"THE BENCHMARK IN QUALITY SERVICE"	
THIS IS NOT A BOUNDARY SURVEY	
DRAWN BY: ZL	CHECKED BY: JLB
PREPARED FOR: MARIONDA	
DRAWING NUMBER 139-08	

This Instrument Prepared by and Return to :

Amy Wesp
SOUTHERN TITLE HOLDING
COMPANY, LLC.
3943 BAY MEADOWS ROAD
JACKSONVILLE, Florida 32217

as a necessary incident to the fulfillment of conditions
contained in a title insurance commitment issued by it.

Property Appraisers Parcel L.D. (Folio) Number(s):

R02856-000

Grantee(s) L.D.#(s):

File No: JX0812085

Inst: 200812010775 Date: 6/6/2008 Time: 1:05 PM

Doc Stamp-Dead: 6293.00

24 DC, P. DeWitt Cason, Columbia County Page 1 of 1 B:1151 P:2385

WARRANTY DEED (CORPORATION)

This Warranty Deed Made this 27th day of May, 2008, by RML HOLDINGS INC., A FLORIDA CORPORATION, and having its place of business at 703 NW BLACKBERRY CIRCLE, LAKE CITY, Florida 32055, hereinafter called the grantor,

to MARONDA HOMES, INC. OF FLORIDA, A FLORIDA CORPORATION, whose post office address is: 11200 ST. JOHNS INDUSTRIAL PARKWAY, JACKSONVILLE, FLORIDA 32246, hereinafter called the grantee,

\$899,000.00

WITNESSETH: That said grantor, for and in consideration of the sum of ~~\$48,000~~ Dollars and other valuable considerations, receipt whereof is hereby acknowledged, by these presents grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situate in Columbia County, Florida, viz: LOTS 1, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 24, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, AND 41, OF TIMBERLANDS, PHASE 1, ACCORDING TO PLAT THEREOF AS RECORDED IN PLAT BOOK 9, PAGE 26 AND 27 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

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

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

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

(Wherever used herein the terms "grantor" and "grantee" included all the parties to this instrument, and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations.)

In Witness Whereof, the Grantor has caused these presents to be executed in its name, and its corporate seal to be hereunto annexed, by its proper officers thereunto duly authorized, the day and year first above written.

Signed, sealed and delivered in our presence:

ATTEST:

Secretary

RML HOLDINGS INC.

Witness Signature:

Printed Name:

WORTH D. MORRIS
WORTH D. MORRIS

Witness Signature:

Printed Name:

Jody m. Goble, AVE
Jody m. Goble

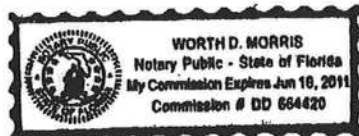
BY:

ROBERT R. LARDIZABAL, PRESIDENT

STATE OF FLORIDA
COUNTY OF DUVAL

The foregoing instrument was acknowledged before me this 28th day of May, 2008, by ROBERT R. LARDIZABAL as PRESIDENT of RML HOLDINGS INC., A FLORIDA CORPORATION, on behalf of the corporation. He/she is personally known to me or who has produced driver license(s) as identification.

My Commission Expires:



WORTH D. MORRIS
Printed Name: WORTH D. MORRIS
Notary Public
Serial Number

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

28/1 TM

Project Name: AUSTIN 3 BDR LAKE CITY	Builder: MARONDA HOMES
Address: 252 SW MULBERRY DR.	Permitting Office: COLUMBIA
City, State: LAKE CITY 32024	Permit Number: 27518
Owner: ELECTRIC	Jurisdiction Number: 221000
Climate Zone: North	

1. New construction or existing New ☐	12. Cooling systems
2. Single family or multi-family Single family ☐	a. Central Unit Cap: 40.5 kBtu/hr
3. Number of units, if multi-family 1 ☐	SEER: 13.00 ☐
4. Number of Bedrooms 3 ☐	b. N/A ☐
5. Is this a worst case? Yes ☐	c. N/A ☐
6. Conditioned floor area (ft ²) 2024 ft² ☐	13. Heating systems
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)	a. Electric Heat Pump Cap: 40.5 kBtu/hr
a. U-factor: Description Area	HSPF: 8.10 ☐
(or Single or Double DEFAULT) 7a(Sngle Default) 177.0 ft ² ☐	b. N/A ☐
b. SHGC:	c. N/A ☐
(or Clear or Tint DEFAULT) 7b. (Clear) 177.0 ft ² ☐	14. Hot water systems
8. Floor types	a. Electric Resistance Cap: 50.0 gallons
a. Slab-On-Grade Edge Insulation R=0.0, 219.0(p) ft ☐	EF: 0.90 ☐
b. N/A ☐	b. N/A ☐
c. N/A ☐	c. Conservation credits
9. Wall types	(HR-Heat recovery, Solar
a. Concrete, Int Insul, Exterior R=4.1, 1199.0 ft² ☐	DHP-Dedicated heat pump)
b. Frame, Steel, Adjacent R=13.0, 320.0 ft² ☐	15. HVAC credits PT, ☐
c. N/A ☐	(CF-Ceiling fan, CV-Cross ventilation,
d. N/A ☐	HF-Whole house fan,
e. N/A ☐	PT-Programmable Thermostat,
10. Ceiling types	MZ-C-Multizone cooling,
a. Under Attic R=19.0, 2251.0 ft² ☐	MZ-H-Multizone heating)
b. N/A ☐	
c. N/A ☐	
11. Ducts	
a. Sup: Unc. Ret: Con. AH(Sealed):Interior Sup. R=6.0, 200.0 ft ☐	
b. N/A ☐	

Glass/Floor Area: 0.09

Total as-built points: 25380

Total base points: 26250

PASS

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

PREPARED BY: Wayne Campbell
DATE: 9/25/08

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

OWNER/AGENT: Melissa McCarroll
DATE: Melissa McCarroll 9/25/08

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



BUILDING OFFICIAL: _____
DATE: _____

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

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X SPM X SOF = Points				
.18	2024.0	18.59	6773.0	1.Single, Clear	W	1.0	6.0	16.0	43.84	0.97	680.0
				2.Single, Clear	N	1.0	6.0	16.0	21.73	0.97	338.0
				3.Single, Clear	W	1.0	3.0	5.0	43.84	0.85	186.0
				4.Single, Clear	W	1.0	7.0	30.0	43.84	0.98	1294.0
				5.Single, Clear	W	1.0	8.0	40.0	43.84	0.99	1734.0
				6.Single, Clear	E	1.0	6.0	20.0	47.92	0.97	927.0
				7.Single, Clear	E	1.0	6.0	20.0	47.92	0.97	927.0
				8.Single, Clear	E	1.0	6.0	30.0	47.92	0.97	1394.0
								As-Built Total:		177.0	
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	320.0	0.70	224.0	1. Concrete, Int Insul, Exterior	4.1		1199.0	1.13	1360.9		
Exterior	1199.0	1.70	2038.3	2. Frame, Steel, Adjacent	13.0		320.0	0.90	288.0		
Base Total:		1519.0	2262.3	As-Built Total:		1519.0			1648.9		
DOOR TYPES Area X BSPM = Points				Type	Area X SPM = Points						
Adjacent	18.0	2.40	43.2	1.Exterior Insulated			20.0	4.10	82.0		
Exterior	20.0	6.10	122.0	2.Adjacent Wood			18.0	2.40	43.2		
Base Total:		38.0	165.2	As-Built Total:		38.0			125.2		
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	2024.0	1.73	3501.5	1. Under Attic	19.0		2251.0	2.34 X 1.00	5267.3		
Base Total:		2024.0	3501.5	As-Built Total:		2251.0			5267.3		
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Slab	219.0(p)	-37.0	-8103.0	1. Slab-On-Grade Edge Insulation	0.0		219.0(p)	-41.20	-9022.8		
Raised	0.0	0.00	0.0								
Base Total:		-8103.0		As-Built Total:		219.0			-9022.8		
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
		2024.0	10.21					2024.0	10.21	20665.0	

SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 25264.1				Summer As-Built Points: 26163.6						
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points
25264.1	0.3250		8210.8	(sys 1: Central Unit 40500btuh ,SEER/EFF(13.0) Ducts:Unc(S),Con(R),Int(AH),R6.0(INS) 26164 1.00 (1.08 x 1.147 x 0.86) 0.260 0.950 6927.1 26163.6 1.00 1.072 0.260 0.950 6927.1						

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X WPM X WOF = Points			
.18	2024.0	20.17	7348.0	1.Single, Clear	W	1.0	6.0	16.0	28.84	1.01	465.0
				2.Single, Clear	N	1.0	6.0	16.0	33.22	1.00	531.0
				3.Single, Clear	W	1.0	3.0	5.0	28.84	1.04	150.0
				4.Single, Clear	W	1.0	7.0	30.0	28.84	1.00	869.0
				5.Single, Clear	W	1.0	8.0	40.0	28.84	1.00	1157.0
				6.Single, Clear	E	1.0	6.0	20.0	26.41	1.02	536.0
				7.Single, Clear	E	1.0	6.0	20.0	26.41	1.02	536.0
				8.Single, Clear	E	1.0	6.0	30.0	26.41	1.02	804.0
				As-Built Total:			177.0			5048.0	
WALL TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Adjacent	320.0	3.60	1152.0	1. Concrete, Int Insul, Exterior	4.1			1199.0	6.42		7697.6
Exterior	1199.0	3.70	4436.3	2. Frame, Steel, Adjacent	13.0			320.0	4.90		1568.0
Base Total: 1519.0 5588.3				As-Built Total:			1519.0			9265.6	
DOOR TYPES Area X BWPM = Points				Type				Area X WPM = Points			
Adjacent	18.0	11.50	207.0	1.Exterior Insulated				20.0	8.40		168.0
Exterior	20.0	12.30	246.0	2.Adjacent Wood				18.0	11.50		207.0
Base Total: 38.0 453.0				As-Built Total:			38.0			375.0	
CEILING TYPES Area X BWPM = Points				Type	R-Value			Area X WPM X WCM = Points			
Under Attic	2024.0	2.05	4149.2	1. Under Attic	19.0			2251.0	2.70 X 1.00		6077.7
Base Total: 2024.0 4149.2				As-Built Total:			2251.0			6077.7	
FLOOR TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Slab	219.0(p)	8.9	1949.1	1. Slab-On-Grade Edge Insulation	0.0			219.0(p)	18.80		4117.2
Raised	0.0	0.00	0.0								
Base Total: 1949.1				As-Built Total:			219.0			4117.2	
INFILTRATION Area X BWPM = Points							Area X WPM = Points				
2024.0 -0.59 -1194.2							2024.0 -0.59 -1194.2				

WINTER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT									
Winter Base Points:		18293.4		Winter As-Built Points:				23689.3					
Total Winter Points	X	System Multiplier	= Heating Points	Total Component (System - Points)	X	Cap Ratio (DM x DSM x AHU)	X	Duct Multiplier	X	System Multiplier	X	Credit Multiplier	= Heating Points
18293.4		0.5540	10134.6	(sys 1: Electric Heat Pump 40500 btuh ,EFF(8.1) Ducts:Unc(S),Con(R),Int(AH),R6.0 23689.3 1.000 (1.060 x 1.169 x 0.88)0.421 0.950 10372.2 23689.3 1.00 1.095 0.421 0.950 10372.2									

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
WATER HEATING										
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X	Credit = Total Multiplier
3		2635.00	7905.0	50.0	0.90	3		1.00	2693.56	1.00 8080.7
				As-Built Total:						8080.7

CODE COMPLIANCE STATUS

BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	Cooling Points	+	Heating Points	+	Hot Water Points = Total Points
8211		10135		7905 26250	6927		10372		8081 25380

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.6

The higher the score, the more efficient the home.

ELECTRIC, , , ,

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 40.5 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft ²)	2024 ft ²		
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 40.5 kBtu/hr
(or Single or Double DEFAULT) 7a(Sngle Default)	177.0 ft ²		HSPF: 8.10
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT) 7b. (Clear)	177.0 ft ²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 219.0(p) ft	a. Electric Resistance	Cap: 50.0 gallons
b. N/A			EF: 0.90
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Concrete, Int Insul, Exterior	R=4.1, 1199.0 ft ²	(HR-Heat recovery, Solar	
b. Frame, Steel, Adjacent	R=13.0, 320.0 ft ²	DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	PT,
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=19.0, 2251.0 ft ²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Con. AH(Sealed):Interior	Sup. R=6.0, 200.0 ft		
b. N/A			

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

Builder Signature: _____

Date: 9/25/08

Address of New Home: 252 SW Mulberry Drive City/FL Zip: LAKE CITY, FL 32024



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

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4. EnergyGauge® (Version: FLRCSB v4.5)

Project Summary
Entire House
MARONDA HOMES

Job: AUSTIN 3 BDR
Date:
By: G. CARMACK

4005 MARONDA WAY, SANFORD, FL 32771 Phone: (407) 321-0064

Project Information

For: AUSTIN 3BDR

Notes:

Design Information

Weather: St Augustine, FL, US

Winter Design Conditions

Outside db	35 °F
Inside db	70 °F
Design TD	35 °F

Summer Design Conditions

Outside db	89 °F
Inside db	75 °F
Design TD	14 °F
Daily range	M
Relative humidity	50 %
Moisture difference	63 gr/lb

Heating Summary

Structure	30120 Btuh
Ducts	4184 Btuh
Central vent (0 cfm)	0 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	34304 Btuh

Sensible Cooling Equipment Load Sizing

Structure	23078 Btuh
Ducts	8946 Btuh
Central vent (0 cfm)	0 Btuh
Blower	0 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	2024	2024
Volume (ft³)	16192	16192
Air changes/hour	0.32	0.16
Equiv. AVF (cfm)	86	43

Use manufacturer's data	n
Rate/swing multiplier	0.94
Equipment sensible load	30103 Btuh

Latent Cooling Equipment Load Sizing

Structure	3052 Btuh
Ducts	2591 Btuh
Central vent (0 cfm)	0 Btuh
Equipment latent load	5643 Btuh

Equipment total load	35746 Btuh
Req. total capacity at 0.77 SHR	3.3 ton

Heating Equipment Summary

Make TEMPSTAR
Trade HEAT PUMP
Model N2H342AKA

Efficiency	7.9 HSPF
Heating input	
Heating output	0 Btuh @ 47°F
Temperature rise	0 °F
Actual air flow	0 cfm
Air flow factor	0.000 cfm/Btuh
Static pressure	0.60 in H2O
Space thermostat	

Cooling Equipment Summary

Make TEMPSTAR
Trade HEAT PUMP
Cond N2H342AKA
Coil FEM2X4200

Efficiency	13 SEER
Sensible cooling	32725 Btuh
Latent cooling	9775 Btuh
Total cooling	42500 Btuh
Actual air flow	1270 cfm
Air flow factor	0.040 cfm/Btuh
Static pressure	0.60 in H2O
Load sensible heat ratio	0.85

Bold/italic values have been manually overridden

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.

Job: AUSTIN 3 BDR
Date:
By: G. CARMACK

4005 MARONDA WAY, SANFORD, FL 32771 Phone: (407) 321-0064

Project Information

For: AUSTIN 3BDR

Design Conditions

Location:

St Augustine, FL, US
Elevation: 20 ft
Latitude: 30°N

Outdoor:

Dry bulb (°F)
Daily range (°F)
Wet bulb (°F)
Wind speed (mph)

Heating

$$\begin{array}{r} 35 \\ - \\ - \\ 15.0 \end{array}$$

Cooling

89
16 (M)
78
7.5

Indoor:

Indoor temperature (°F)
Design TD (°F)
Relative humidity (%)
Moisture difference (gr/lb)

Heating

70
35
30
8.8

Cooling

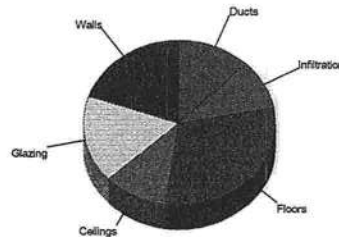
75
14
50
63.1

Infiltration:

Method	Simplified
Construction quality	Average
Fireplaces	0

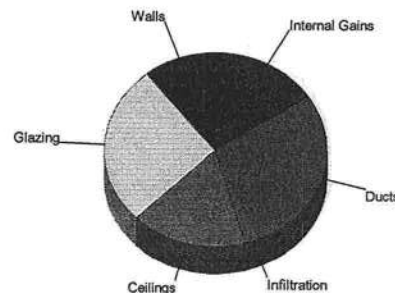
Heating

Component	Btuh/ft ²	Btuh	% of load
Walls	4.2	6774	19.7
Glazing	44.5	5867	17.1
Doors	0.0	0	0.0
Ceilings	1.7	3747	10.9
Floors	10.6	10409	30.3
Infiltration	1.9	3322	9.7
Ducts		4184	12.2
Piping		0	0.0
Humidification		0	0.0
Ventilation		0	0.0
Adjustments		0	
Total		34304	100.0



Cooling

Component	Btuh/ft ²	Btuh	% of load
Walls	2.1	3428	10.7
Glazing	64.7	8546	26.7
Doors	0.0	0	0.0
Ceilings	2.5	5460	17.1
Floors	0.0	0	0.0
Infiltration	0.4	664	2.1
Ducts		8946	27.9
Ventilation		0	0.0
Internal gains		4980	15.6
Blower		0	0.0
Adjustments		0	
Total		32025	100.0



Overall U-value = 0.156 Btuh/ft²-°F

Data entries checked.

**UNANIMOUS WRITTEN CONSENT
OF THE BOARD OF DIRECTORS
OF
MARONDA HOMES, INC. OF FLORIDA**

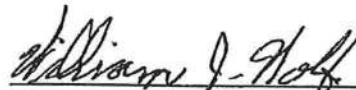
The undersigned, constituting the entire Board of Directors of Maronda Homes, Inc. of Florida (the "Corporation") and waiving all requirements of notice, consents to the corporate actions specified below and adopts the following resolutions by written consent, without a meeting, pursuant to the Florida Business Corporation Act:

RESOLVED, that the following persons be and are hereby authorized, empowered, and designated to enter into agreements to buy and sell individual lots and houses to individual purchasers, to execute deeds to effectuate the buying or selling of individual lots, and to enter into short-term leases not to exceed two (2) years for such individual houses.

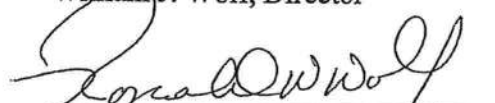
I FURTHER CERTIFY, that the following persons hold the following offices with the Corporation:

William J. Wolf	C.E.O.
Wayne Von Dreele	President
Ronald W. Wolf	Vice President
Ronald W. Wolf	Treasurer
Ronald W. Wolf	Secretary
Scott C. Howard	Vice President
Thomas Greenawalt	Vice President
William Rousch	Vice President
P. Thomas Prior	Vice President
Richard A. Brown	Vice President
Steven R. Hogg	Vice President
Dominick Donato	Vice President
Peter Chun	Vice President
George Friedman	Vice President
Mark Bowes	Vice President
Gregg S. Carlson	Vice President
Chad Johannesen	Vice President
William Berryhill	Vice President
John P. Mills	Vice President
John Williams	Vice President

IN WITNESS WHEREOF, the undersigned has executed this consent effective as of the 16th day of January 2008.



William J. Wolf, Director



Ronald W. Wolf, Director

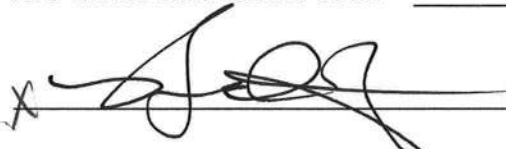
**Columbia County Building Department
Culvert Permit**

**Culvert Permit No.
000001693**

DATE 12/11/2008 PARCEL ID # 10-4S-16-02856-128
APPLICANT ROGER BONIFANT PHONE 321 689-2673
ADDRESS 6800 SOUTHPPOINT PARKWAY JACKSONVILLE FL 32216
OWNER MARONDA HOMES PHONE 904 296-1490
ADDRESS 252 SW MULBERRY DRIVE LAKE CITY FL 32055
CONTRACTOR THEODORE BROCK PHONE 904 296-1490
LOCATION OF PROPERTY 90W, TL ON 247S, TR ON 252B, TL TIMBERRIDGE, TL
MULBERRY DR, 5TH ON RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT TIMBERLANDS 28

SIGNATURE



INSTALLATION REQUIREMENTS



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

INSTALLATION NOTE: Turnouts will be required as follows:

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



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



Other _____

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

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

Amount Paid 25.00



**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 specifiably 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 value 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 wire 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 piers
- ✓ Girder type, size and spacing to load bearing walls, stem wall and/or piers
- ✓ 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 assemblies covering; with Florida Product Approval numbers for each component of the roof assemblies 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 www.floridapba.com

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)

PRODUCT APPROVAL INFORMATION SHEET

Project Name: Lot 28 Timberlands Permit # _____

Project Address: 252 SW Mulberry Dr. Lake City 32055

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and product approval number(s) for the building components listed below as applicable to the building construction project for the permit number listed above. You should contact your product supplier if you do not know the product approval number for any of the applicable listed products. Information regarding statewide product approval may be obtained at: www.floridabuilding.org.

Category/Subcategory	Manufacturer	Product Description	Limitation of use	State #	Loc al #
A. EXTERIOR DOORS					
1. Swinging	Plastpro	Fiberglass Doors	Design Pressure: +50.0/-50.0 Other: See INST 6729.1 and EVAL 6729.1 for any additional use limitations and installation instructions.	6729.1	
2. Sliding	Simonton/Nora ndex	Sliding Glass Doors	Design Pressure: +50/-50 Other: 3-lite 108x96 3-lite 144x96 Missile impact Rating: Large	5979.1	
3. Sectional					
4. Roll-Up	Wayne Dalton	Garage Doors	As indicated in evaluation report and installation drawings. Not to be used in HVHZ. Doors with glazing shall not be used in the wind-borne debris region unless protected or unless structure is designed as partially enclosed or door is a replacement door	5287.1-5287.2 9174.4 9174.5	
B. WINDOWS					
1. Single Hung	H-R Windows	Single-Hung Windows	Not for use in HVHZ	5089.1-5089.9,2 09262 09242	
2. Horizontal					



Slider						
9. Mullion	H-R Windows	Mullions		Not for use in HVHZ. See uploaded drawing for size limits, design pressure limits, and all other limits of use.	5782.1	
C. PANEL WALL						
1. Siding	Owens Corning	Siding		Refer to Evaluation Report for specific product profiles, attachment and design pressures.	4617.1-4617-2	
2. Soffitts	Owens Corning	Soffitt		Refer to Evaluation Report for wind load limitations specific to each profile and span.	6869.1-6869-5	
7. Glass Block						
D. ROOFING PRODUCTS						
1. Asphalt Shingles	Owens Corning			Products must be install in accordance with Florida Building Code Non High Velocity Hurricane Zone Area and per Manufacturers Installation Drawings. This Approval not for use in the HVHZ.	3663.1-3663.9	
2. Underlayments	Owens Corning	Waterproofing Underlayment		This Approval does not cover HVHZ. Products shall be installed in accordance with FBC Sections for Non-HVHZ and per manufacturers Installation Drawings	3349.1-3349.2	
3. Roofing Tiles						
E. SHUTTERS						
F. STRUCTURAL COMPONENTS						
1. Wood connector/anchor	Simpson Strong-Tie Co	Wood Connectors Anchors, Structural adhesive, Adjustable Post Base, Truss Bearing Enhancer, Stud-Plate Connector		Limitations per attached evaluation report. Acceptable for HVHZ.	474-R1 503-R1 538-R1 1423-R2 1463-R2 1725-R1 1901-R3 2304-R1 2355-R2 3751-R1	
2. Truss Plates	MiTek Industries, Inc.	Truss Plates Metal Connector Plate		Products must be install in accordance with Florida Building Code per Manufacturers Installation Drawings	2197.R1 2197.R2 7987-R1	

	Alpine Engineered Products, Inc.	Truss Plates Alpine HS Metal Connector Plate	per TPI 1-1995	1999R-2	
3. Engineered lumber	Trus Joist, A Weyerhaeuser Business	Engineered Lumber- e-Rim Board, Microllam LVL, Parallam PSL, TimberStrand LSL, TJ-Strand Rim Board, TJI	Products must be install in accordance with Florida Building Code and per Manufacturers Installation Drawings	1630-R3 4478-R1 6527-R1	
	Boise Engineered Wood Products	Engineered Wood "I" Joist-BCI 400s-BCI 900s. Versa-Lam SP (laminated veneer lumber). AJS ALLJOIST	Products must be install in accordance with Florida Building Code and per Manufacturers Installation Drawings	1392-R1 1644-R1 1645-R1	
H. NEW EXTERIOR ENVELOPE PRODUCTS					
1.	James Hardie Bldg Products	fiber-cement cladding	Installed per Manufacturers Installation Drawings. Anchor Size, Type and Spacing are determined by the type of construction per Manufacturers Installation Drawings.	889.1- 889.10-	

In addition to completing the above list of manufacturers, product description and State approval number for the products used on this project, it is the Contractor's or Authorized Agent's responsibility to have a legible copy of each manufacturer's printed instructions, along with the list above, on the job site available to the inspector.

The products listed below did not demonstrate product approval at time of plan review. I understand that before these products can be inspected, they must be submitted for review for code compliance and approved by a Plans Examiner. This form will be revised to include each new product in the categories listed above and will be highlighted to indicate the new products and required information.

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

Design Criteria: TPI

Design: Matrix Analysis

MiTek software

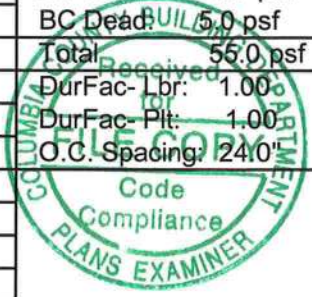
PLAN JOB #	LOT	ADDRESS	DIV/SUB	MODEL
9TM02801	28-1	252 SW MULBERRY DR	JAX-9TM	AUSC3 RIGHT

AUSTIN C3

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	No. of Eng. Dwgs:
Layout	11/07/07	02/21/08	CGRD1	11/21/07	02/21/08	43
V	07/27/05	02/21/08	JGRD2	01/07/08	02/21/08	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
HIP	11/02/06	02/21/08	J3A	01/07/08	02/21/08	
S1	11/21/07	02/21/08	J4	01/07/08	02/21/08	
S1S	11/21/07	02/21/08	C1	01/07/08	02/21/08	
H1	11/21/07	02/21/08	V1	11/21/07	02/21/08	
H2	11/21/07	02/21/08	V2	11/21/07	02/21/08	DurFac- Lbr: 1.25 DurFac- Plt: 1.25 O.C. Spacing: 24.0"
H3	11/21/07	02/21/08	V3	11/21/07	02/21/08	
H4	11/21/07	02/21/08	V4	11/21/07	02/21/08	
MH4	11/21/07	02/21/08	V5	11/21/07	02/21/08	
MHGRD1	11/21/07	02/21/08	V6	11/21/07	02/21/08	
HS1	11/21/07	02/21/08	V14	11/21/07	02/21/08	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"
HS2	11/21/07	02/21/08				
HS3	11/21/07	02/21/08				
HS4	11/21/07	02/21/08				
HS5	11/21/07	02/21/08				
HSGRD1	11/21/07	02/21/08				
GRD1	11/21/07	02/21/08				
T1	11/21/07	02/21/08				
H5	11/21/07	02/21/08				
HGRD2	11/21/07	02/21/08				
JGRD1	11/21/07	02/21/08				
JSGRD1	11/21/07	02/21/08				
J	11/21/07	02/21/08				
JSA	11/21/07	02/21/08				
J1	11/21/07	02/21/08				
J2	11/21/07	02/21/08				
J3	11/21/07	02/21/08	INV #	DESC	QNTY	
JS1	11/21/07	02/21/08	50060.0114	THD48		
JS2	11/21/07	02/21/08	50060.0048	THD26	5	
JS3	11/21/07	02/21/08	50060.0110	JUS26		
			50060.0058	THJ26	5	
			50060.0049	THD28-2	1	
						 SEP 30 2008 DATE:
			SEAT PLATES		129	
			FLOOR SEAT PLATES			

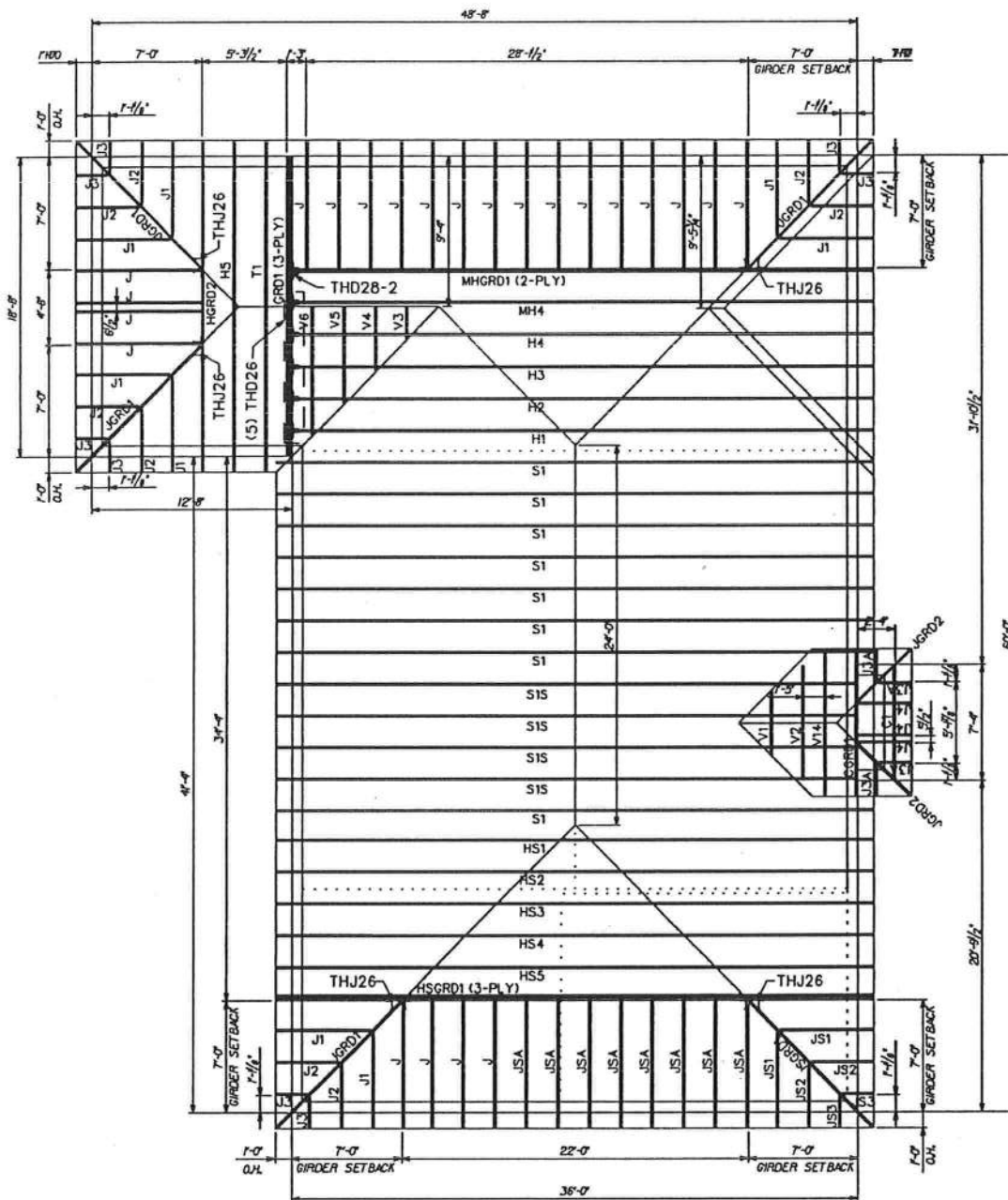
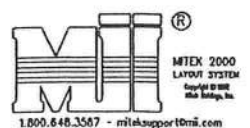
HARDWARE LEGEND

- 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

SEP 30 2008

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

SCALE: 1/8" = 1'-0"
DATE: 10/10/2007



AUSTIN 3 "C" - FL

GARAGE: RIGHT



DESIGNER: CP
CHECKER: MIKE

DRAWN BY: EJ

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"

14071 321-0064 4005 MARONDA WAY SANFORD, FLORIDA

10/10/2007 13:40:39

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.

Warning! 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 arrioste incorrecto puede ser la caída de la estructura o aún peor, heridos o muertos.

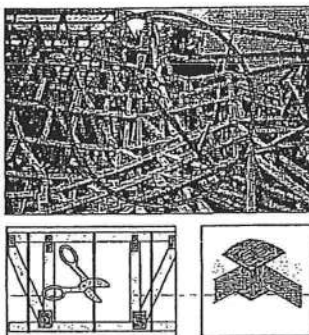
Warning! Banding and truss plates have sharp edges. Wear gloves when handling and safety glasses when cutting banding.

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

NOTAS GENERALES

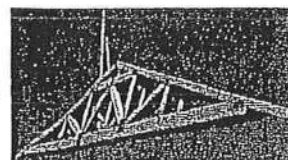
Los trusses no están marcados de ningún modo que identifique la frecuencia o localización de restricción lateral y arrioste diagonal temporales. Use las recomendaciones de manejo, instalación, restricción y arrioste temporal de los trusses. Vea el folleto BCSI Guía de Buena Práctica para el Manejo, Instalación, Restricción y Arrioste 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/Arrioste Permanente de Cuerdas y Miembros Secundarios para más información. El resto de los diseños de arriostres permanentes son la responsabilidad del Diseñador del Edificio.



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'.
- Use at least 3 lift points for bundles with trusses greater than 60'.

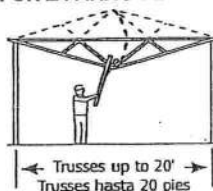
Puede usar un solo lugar de levantar para paquetes de trusses hasta 45 pies.
Puede usar dos puntos de levantar para paquetes más de 60 pies.
Use por lo menos tres puntos de levantar para paquetes más de 60 pies.

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

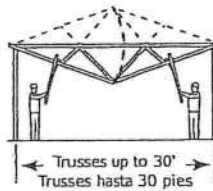
- Place truss bundles in stable position.
Puse paquetes de trusses en una posición estable.

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.



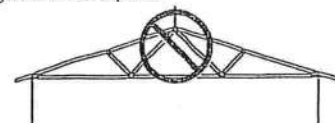
HOISTING OF SINGLE TRUSSES — LEVANTAMIENTO DE TRUSSES INDIVIDUALES

- 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 instalada y el truss está asegurado en los soportes.

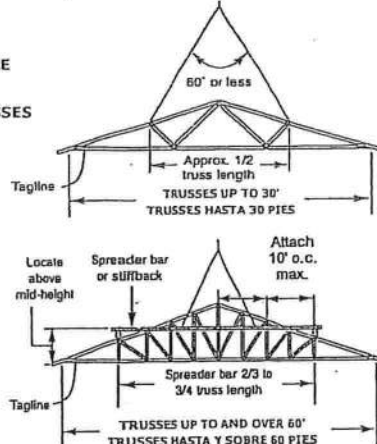
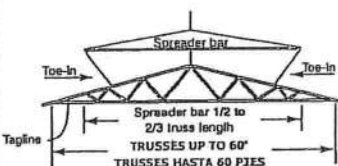
- Warning!** Using a single pick-point at the peak can damage the truss.

¡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



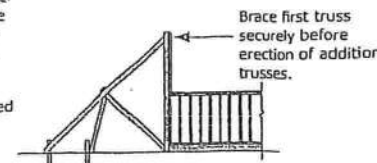
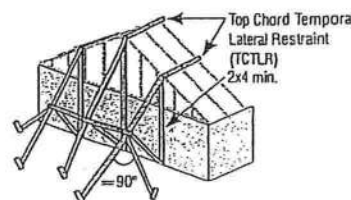
TEMPORARY RESTRAINT & BRACING RESTRICCIÓN Y ARRIOSTRE TEMPORAL

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

Vea el resumen BCSI B2 - Restricción/Arrioste 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).

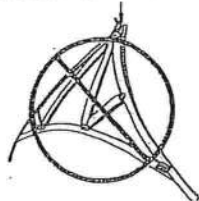


- Do not walk on unbraced trusses.
No camine en trusses sueltos.



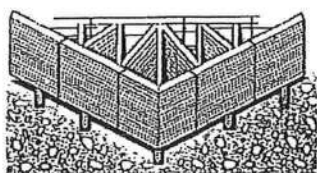
HANDLING — MANEJO

- 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.

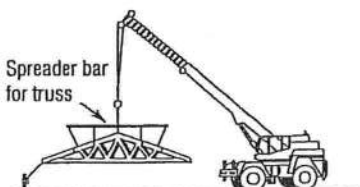
Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for more detailed information pertaining to handling and jobsite storage of trusses.

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.

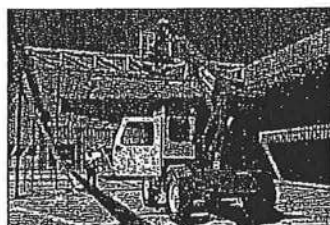
Vea el folleto BCSI Guía de Buena Práctica para el Manejo, Instalación, Restricción y Arrioste de los Trusses de Madera Conectados con Placas de Metal para información más detallada sobre el manejo y almacenamiento de los trusses en área de trabajo.

- 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.



STEPS TO SETTING TRUSSES PASOS DE LA INSTALACIÓN 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 este 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 resumen BCSI-B2 - Instalación de Trusses y Arriostre Temporal para mayor información.

RESTRAINT/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 (TCLTR) Spacing Espaciamiento del Arriostre Temporal de la Cuerda Superior
Up to 30'	10' o.c. max.
Hasta 30 pies	10 pies máximo
30' to 45'	8' o.c. max.
30 a 45 pies	8 pies máximo
45' to 60'	6' o.c. max.
45 a 60 pies	6 pies máximo
60' to 80'	4' o.c. max.
60 a 80 pies*	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 TCLTR options.
Vea el BCSI-B2 para las opciones de TCLTR.

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.

WEB MEMBER PLANE — PLANO DE LOS MIEMBROS SECUNDARIOS

LATERAL RESTRAINT DIAGONAL BRACING.

ARE VERY IMPORTANT
LA RESTRICCIÓN

LATERAL Y EL

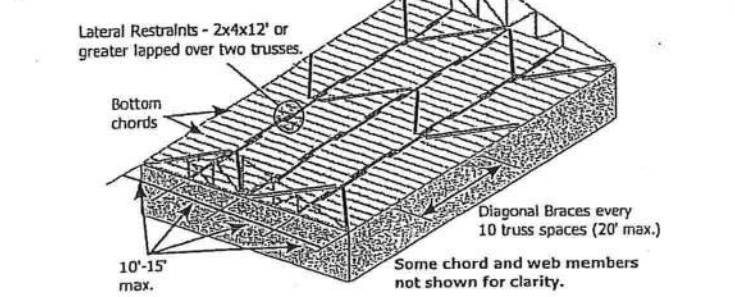
ARRIOSTRE

DIAGONAL

SON MUY

IMPORTANTES!

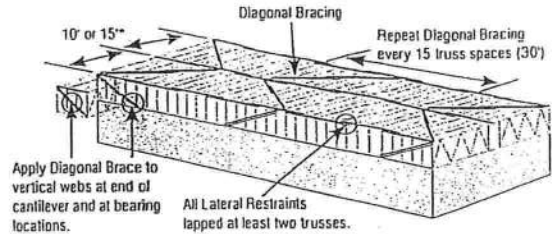
3) BOTTOM CHORD — CUERDA INFERIOR



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.

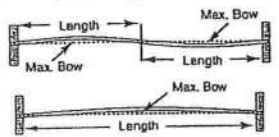
Vea el resumen BCSI-B7 - Restricción y Arriostre Temporal y Permanente de Trusses de Cuerdas Paralelas para más información.



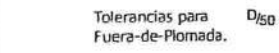
*Top chord Temporary Lateral Restraint spacing shall be 10' o.c. max. for 3x2 chords and 15' o.c. for 4x2 chords.

INSTALLING — INSTALACION

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



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



Out-of-Plane		Out-of-Plumb	
D/50	D (ft.)	Max. Bow	Truss Length
1/4"	1'	3/4"	12.5'
1/2"	2'	7/8"	14.6'
3/4"	3'	1"	16.7'
1"	4'	1-1/8"	18.8'
1-1/4"	5'	1-1/4"	20.8'
1-1/2"	6'	1-3/8"	22.9'
1-3/4"	7'	1-1/2"	25.0'
2"	8'	1-3/4"	29.2'
		2"	≥33.3'

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 resumen 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

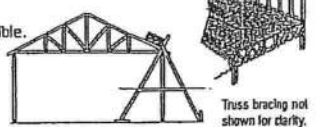


- Do not overload small groups or single trusses.
No sobrecargue pequeños grupos o trusses individuales.

- 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.

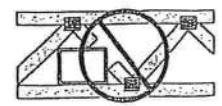


ALTERATIONS — ALTERACIONES

- Refer to BCSI-B5 Summary Sheet - Truss Damage, Jobsite Modifications & Installation Errors.
Vea el resumen 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 perforo ningún miembro estructural de los trusses, a menos que esté específicamente 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.

NOTES: The Truss Manufacturer and Truss Designer rely on the presumption that the Contractor and crane operator (if applicable) are professionals with the capability to undertake the work they have agreed to do on any given project. If the Contractor believes it needs assistance in some aspect of the construction project, it should seek assistance from a competent party. The methods and procedures outlined in this document are intended to ensure that the overall construction techniques employed will put the trusses into place SAFELY. These recommendations are based upon the collective experience of loading personnel involved with truss design, manufacture and installation, but must, due to the nature of responsibilities involved, be presented only as a GUIDE for use by a qualified Building Designer or Contractor. It is not intended that these recommendations be interpreted as superior to the Building Designer's design specification for handling, installing, restraining and bracing trusses and it does not preclude the use of other equivalent methods for restraining/bracing and providing stability for the walls, columns, floors, roofs and all the interconnected structural building components as determined by the Contractor. Thus, WITCA and TPI expressly disclaim any responsibility for damages arising from the use, application, or reliance on the recommendations and information contained herein.

WITCA
WISCONSIN TRUSS INSTITUTE
6300 Enterprise Lane • Madison, WI 53719
608/274-4849 • www.sbcindustry.com

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

Maronda Systems

MARONDA SYSTEMS

4005 Maronda Way

Sanford, FL 32771

(407) 321-0064

Fax (407) 321-3913

Date: November 1, 2006

To: Building Department

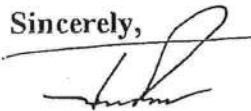
From: Maronda Systems
Tomas Ponce
Professional Engineer
State of Florida #0050068

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

All bracing and erection recommendations are to be followed in accordance with accepted industry practices. Trusses are to be handled with particular care during handling and bundling, delivery and installation to avoid damage. Temporary and permanent bracing for holding trusses in a straight line 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 precautions for trusses requires to avoid toppling and damage to the trusses. 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 design loads shall not be applied to trusses at any time. No loads other than the weight of the trusses shall be applied to trusses until after all fastening and bracing is completed.

Mr. Tolson. Mr. Tolson.

[illegible]

TOTAL	43.0	psi	V4., 1.32=0
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A diagram of a block, labeled "BLOCK", showing dimensions and labels. The block is a rectangular prism. The top surface is labeled "14 1/2\"". The front face is labeled "12\"". The side face is labeled "6\"". The block is shown in a perspective view, with arrows indicating the front and back faces. The diagram is enclosed in a circle.

6/12 OR ABOVE
(2) 2X ONE FRONT
& ONE BACK OF
HIP TRUSS

PRE-ENG'D TRUSSES



Trenco

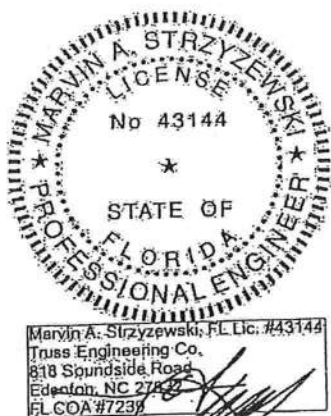
818 Soundside Rd
Edenton, NC 27932

Re: AUSTIN
AUSTIN_FL_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: E4595116 thru E4595121

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



January 4, 2008

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.



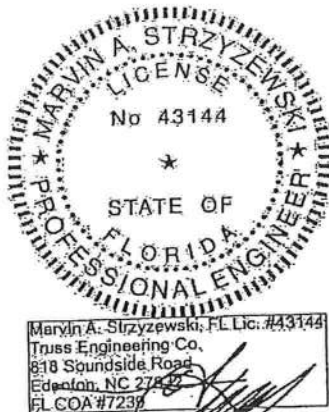
Trenco

818 Soundside Rd
Edenton, NC 27932

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

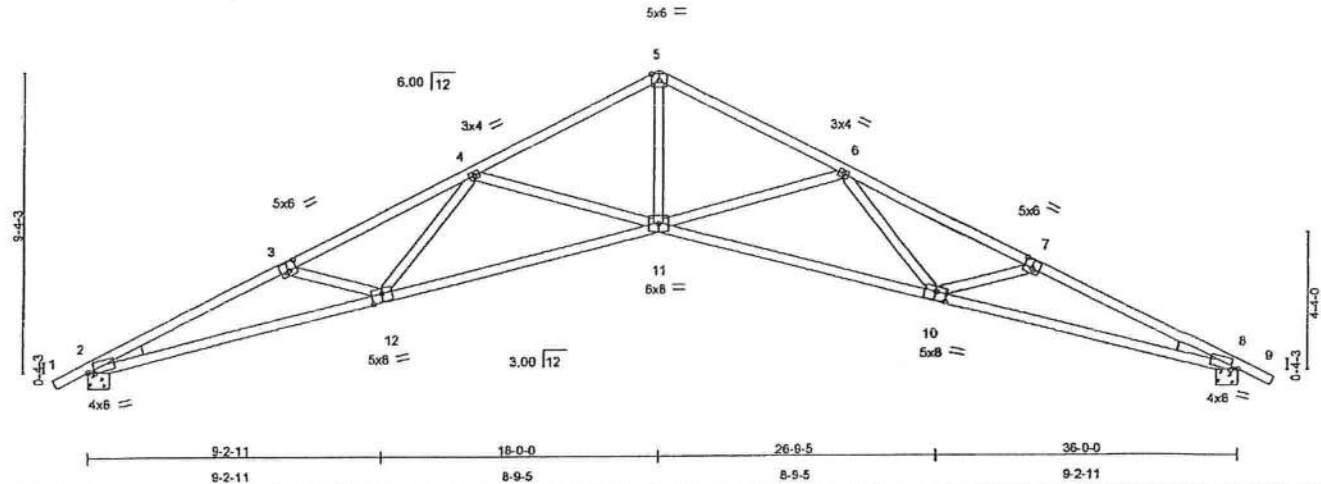


January 4, 2008

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	AUSTIN_FL_125	E4530605
AUSTIN	S1	SPECIAL	12	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						
7,026 s Nov 9 2007 MITek Industries, Inc. Wed Nov 21 08:44:13 2007 Page 1						



Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530888
AUSTIN	S1S	SPECIAL	4	1	Job Reference (optional)	
Maronde Homes Inc., Sanford, FL						
7,020 s Nov 9 2007 Mitek Industries, Inc. Wed Nov 21 08:44:16 2007 Page 1						

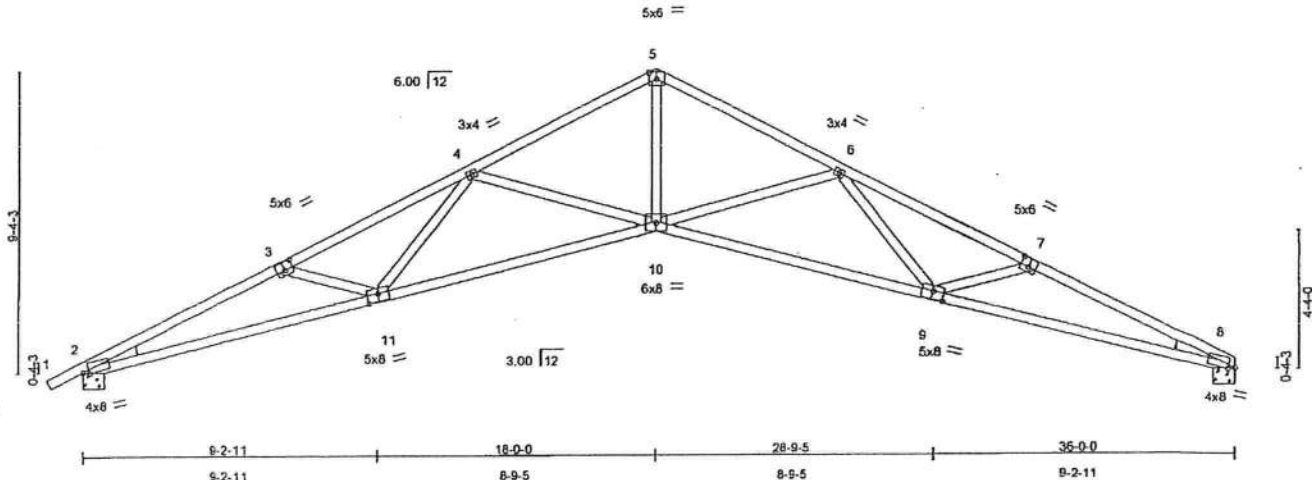


Plate Offsets (X,Y): [2:0-2.7 Edge] [3:0-3.0-0-3-0] [7:0-3.0-0-3-0] [8:0-2.7 Edge] [9:0-4.0-0-3-0] [11:0-4.0-0-3-0]									
LOADING (psf)		SPACING 2-0-0		CSI		DEFL		PLATES	
TCLL	16.0	Plates Increase	1.25	TC	0.85	In (loc)	I/def	MT20	GRIP
TCDL	7.0	Lumber Increase	1.25	BC	0.97	Vert(LL)	-0.57 10-11		244/190
BCLL	10.0	Rep Stress Incr	YES	WB	0.49	Vert(TL)	-1.16 10-11		
BCDL	10.0	Code FBC2004/TPI2002				Horz(TL)	0.76 8		
				(Matrix)				Weight: 169 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
2-11 2 X 4 SYP No.1D, 8-9 2 X 4 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 2-1-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS (lb/size) 8=1518/0-8-0, 2=1585/0-8-0
Max Horz 2=166(LC 6)
Max Uplift 8=286(LC 7), 2=368(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/18, 2-3=4816/1457, 3-4=4614/1282, 4-5=3332/929, 5-6=3332/928, 6-7=4628/1313, 7-8=4835/1499
BOT CHORD 2-11=1237/4364, 10-11=917/3837, 9-10=929/3842, 8-9=1280/4384
WEBS 3-11=150/285, 4-11=69/689, 4-10=819/432, 5-10=596/2648, 6-10=824/444, 6-9=847/00, 7-9=157/301

NOTES

- Unbalanced roof live loads have been considered for this design.
- 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.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Bearing at joint(s) 8, 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 286 lb uplift at joint 8 and 368 lb uplift at joint 2.

LOAD CASE(S) Standard

This document was originally issued by Lassiter, Frank on November 21,2007. This is not considered a sealed document. Official sealed drawings are available upon request from the manufacturer indicated above.
November 21,2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MD-1473 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/TPI Quality Criteria, D58-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 O'Connell Drive, Madison, WI 53719.

ENGINEERED BY
TRENCO
A Mitek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530649
AUSTIN	H1	HIP	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL			7.020 s Nov 9 2007 MITek Industries, Inc. Wed Nov 21 08:43:48 2007 Page 1			

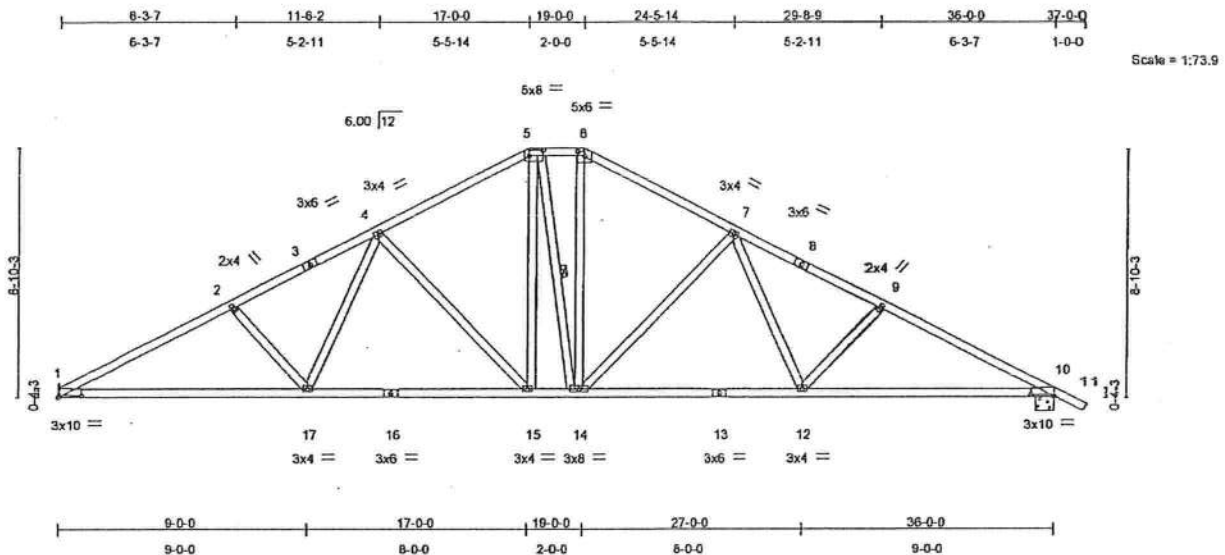


Plate Offsets (X,Y): [1:0-10-0-0-10], [5:0-6-0-0-2-8], [6:0-3-0-0-2-0], [10:0-10-0-0-10]									
LOADING (psf)		SPACING 2-0-0		CSI		DEFL		PLATES	
TCLL 16.0	Plates Increase 1.25	TC 0.53	In (loc) 1-17	I/defl >999	L/d 240	GRIP		MT20 244/190	
TCDL 7.0	Lumber Increase 1.25	BC 0.82	Vert(LL) -0.23	1-17	>840				
BCLL 10.0	Rep Stress Incr YES	WB 0.66	Vert(TL) -0.51	1-17	n/a				
BCDL 10.0	Code FBC2004/TPI2002	(Matrix)	Horz(TL) 0.14	10	n/a			Weight: 205 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 3-1-2 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 7-4-14 oc bracing.
WEBS 2 X 4 SYP No.2	WEBS 1 Row at midpt 5-14

REACTIONS (lb/size) 1=1530/Mechanical, 10=1597/0-8-0
Max Horz 1=163(LC 7)
Max Uplift 1=284(LC 6), 10=379(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=2831/821, 2-3=2646/854, 3-4=2547/872, 4-5=1850/713, 5-6=1616/693, 6-7=1852/714, 7-8=2481/835,
8-9=2580/825, 9-10=2744/872, 10-11=0/21
BOT CHORD 1-17=686/2491, 16-17=468/2060, 15-16=468/2060, 14-15=242/1612, 13-14=453/2030, 12-13=453/2030,
10-12=630/2389
WEBS 2-17=271/263, 4-17=105/640, 4-15=659/329, 5-15=174/634, 5-14=143/172, 6-14=169/618, 7-14=614/307,
7-12=65/574, 9-12=209/226

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) Refer to glider(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 284 lb uplift at joint 1 and 379 lb uplift at joint 10.

LOAD CASE(S) Standard

This document was originally issued by Lassiter, Frank on November 21, 2007. This is not considered a sealed document. Official sealed drawings are available upon request from the manufacturer indicated above. November 21, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MU-7473 BEFORE USE.
Design valid for use only with Mitek connection. 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 ANS1/TPI1 Quality Criteria, D58-89 and ICS11 Building Component Safety Information - available from Truss Plate Institute, 583 D'Oroville Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A Mitek Alliance
816 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	City	Ply	AUSTIN_FL_125	E4530050
AUSTIN	H2	HIP	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL		7.020 s Nov 9 2007 MITek Industries, Inc. Wed Nov 21 08:43:48 2007 Page 1				

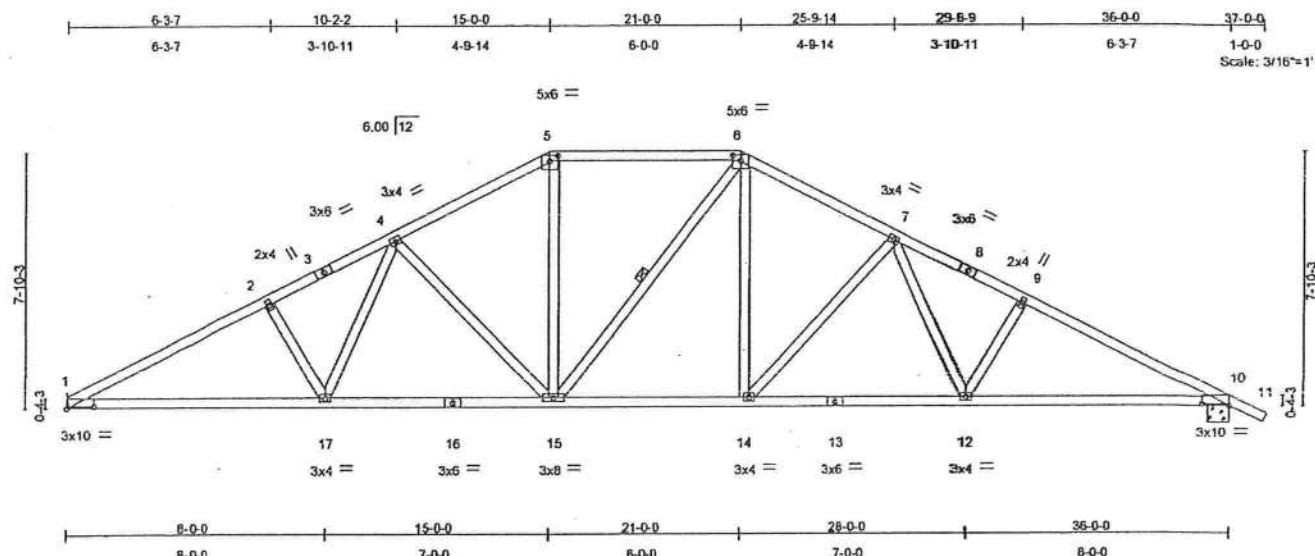


Plate Offsets (X,Y): [1:0-10-0-0-10] [5:0-3-0-0-2-0] [6:0-3-0-0-2-0] [10:0-10-0-0-10]						
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	I/defl
TCLL 16.0	Plates Increase	1.25	TC 0.50	Vert(LL)	-0.19	1-17 >999
TCDL 7.0	Lumber Increase	1.25	BC 0.72	Vert(TL)	-0.40	1-17 >999
BCLL 10.0	Rep Stress Incr	YES	WB 0.43	Horz(TL)	0.14	10 n/a
BCDL 10.0	Code FBC2004/TPI2002		(Matrb)			
			PLATES GRIP			
			MT20 244/190			
			Weight: 195 lb			

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-1-13 oc purfins.
BOT CHORD Rigid ceiling directly applied or 7-4-3 oc bracing.
WEBS 1 Row at midpl 6-15

REACTIONS (lb/size) 1=1530/Mechanical, 10=1597/0-8-0
Max Horz 1=147(LC 7)
Max Uplift 1=271(LC 6), 10=350(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=2854/931, 2-3=2727/921, 3-4=2854/935, 4-5=2033/772, 5-6=1793/746, 6-7=2043/774, 7-8=2571/888,
8-9=2644/875, 9-10=2765/881, 10-11=0/21
BOT CHORD 1-17=694/2507, 18-17=526/2162, 15-16=526/2162, 14-15=338/1776, 13-14=505/2123, 12-13=505/2123,
10-12=636/2403
WEBS 2-17=237/235, 4-17=132/591, 4-15=548/268, 5-15=109/624, 6-15=108/158, 6-14=108/611, 7-14=498/244,
7-12=87/513, 9-12=174/198

NOTES

- Unbalanced roof live loads have been considered for this design.
- 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.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 271 lb uplift at joint 1 and 350 lb uplift at joint 10.

LOAD CASE(S) Standard

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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE M17-7473 BEFORE USE.
Design valid for use only with Mittek 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, DSR-89 and ICS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Oroville Drive, Madison, WI 53719.

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

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530651
AUSTIN	H3	HIP	1	1	Job Reference (optional)	
Maranda Homes Inc., Sanford, FL						
7.020 s Nov 9 2007 MITek Industries, Inc. Wed Nov 21 08:43:50 2007 Page 1						

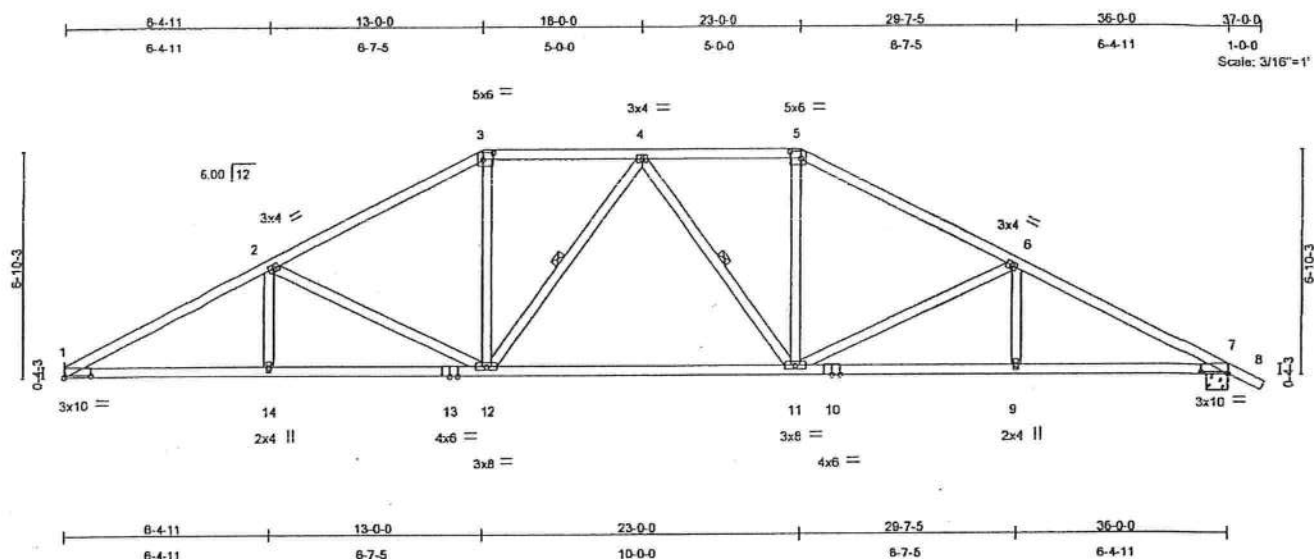


Plate Offsets (X,Y): [1:0-10-0-0-10], [3:0-4-0-0-2-8], [5:0-4-0-0-2-8], [7:0-10-0-0-10]						
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	Vdefl
TCLL 16.0	Plates Increase	1.25	TC 0.35	Verf(LL)	-0.28 11-12	>999
TCDL 7.0	Lumber Increase	1.25	BC 0.69	Verf(TL)	-0.64 11-12	>689
BCLL 10.0	Rep Stress Incr	YES	WB 0.54	Horz(TL)	0.13 7	n/a
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)			
						Weight: 186 lb

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 3-4-13 oc purlins.
BOT CHORD 2 X 4 SYP No.1D	BOT CHORD Rigid ceiling directly applied or 7-8-14 oc bracing.
WEBS 2 X 4 SYP No.2	WEBS 1 Row at midpl 4-12, 4-11

REACTIONS (lb/size) 1=1530/Mechanical, 7=1597/0-8-0
Max Horz 1=132(LC 7)
Max Uplift 1=255(LC 6), 7=334(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=2907/854, 2-3=2280/813, 3-4=1992/793, 4-5=1974/784, 5-6=2260/802, 6-7=2833/901, 7-8=0/21
BOT CHORD 1-14=-717/2552, 13-14=-717/2552, 12-13=-717/2552, 11-12=-495/2053, 10-11=-658/2450, 9-10=-658/2450, 7-9=-658/2450
WEBS 2-14=0/262, 2-12=-842/315, 3-12=-110/709, 4-12=-219/165, 4-11=-245/168, 5-11=-101/697, 6-11=-553/260, 6-9=0/247

NOTES

- Unbalanced roof live loads have been considered for this design.
- 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.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 255 lb uplift at joint 1 and 334 lb uplift at joint 7.

LOAD CASE(S) Standard

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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE M1-7473 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, D58-89 and SCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Oroville Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A Mitek Affiliate

816 Soundside Road
Eden, NC 27632

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530652
AUSTIN	H4	HIP	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL		7.020 s Nov 9 2007 MITek Industries, Inc. Wed Nov 21 08:43:50 2007 Page 1				

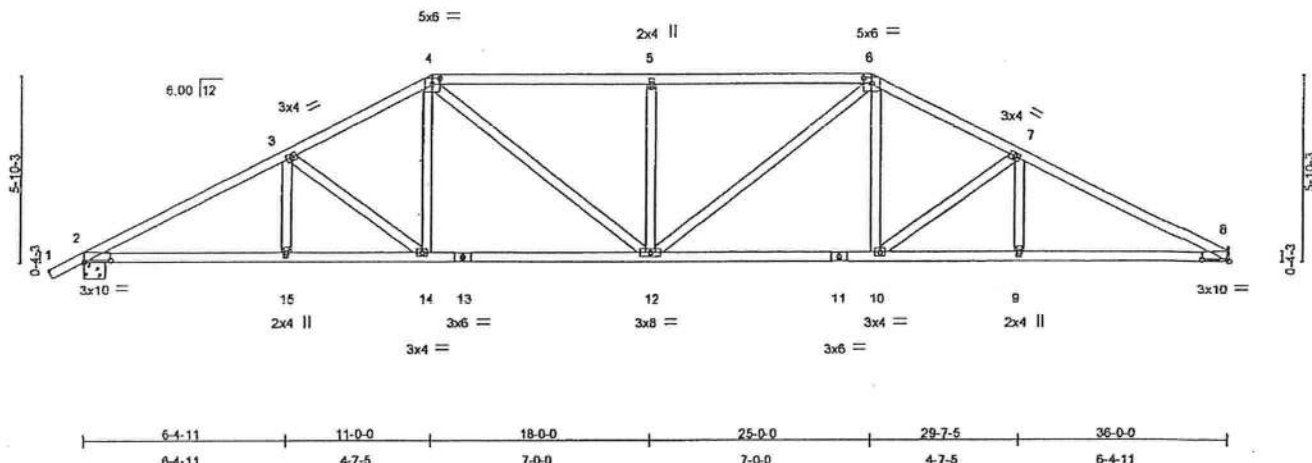


Plate Offsets (X-Y): [2-0-10-0-0-10], [4-0-3-0-0-2-0], [6-0-3-0-0-2-0], [8-0-10-0-0-10]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.38	Vert(LL)	-0.22 10-12	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.73	Vert(TL)	-0.45 10-12	>960	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.24	Horz(TL)	-0.14 2	n/a	n/a		
BCDL 10.0	Code FBC2004/TP12002		(Matrix)						Weight: 186 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 3-4-6 oc purfins.
BOT CHORD Rigid ceiling directly applied or 7-2-0 oc bracing.

REACTIONS (lb/size) 8=1530/Mechanical, 2=1597/0-8-0
Max Horz 8=117 (LC 6)
Max Uplift 8=-238 (LC 7), 2=-316 (LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/21, 2-3=-2814/909, 3-4=-2405/875, 4-5=-2520/979, 5-6=-2520/979, 6-7=-2443/896, 7-8=-2890/964
BOT CHORD 2-15=-660/2429, 14-15=-660/2429, 13-14=-518/2097, 12-13=-518/2097, 11-12=-534/2128, 10-11=-534/2128, 9-10=-721/2533, 8-9=-721/2533
WEBS 3-15=0/219, 3-14=-400/179, 4-14=-35/462, 4-12=-192/625, 5-12=-342/319, 6-12=-180/590, 6-10=-63/506, 7-10=-486/229, 7-9=0/236

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCCL=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) Refer to glider(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 238 lb uplift at joint 8 and 316 lb uplift at joint 2.

LOAD CASE(S) Standard

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ENGINEERING BY
TRENCO
A MITEK AIRBORNE
810 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530692
AUSTIN	MH4	SPECIAL	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, FL

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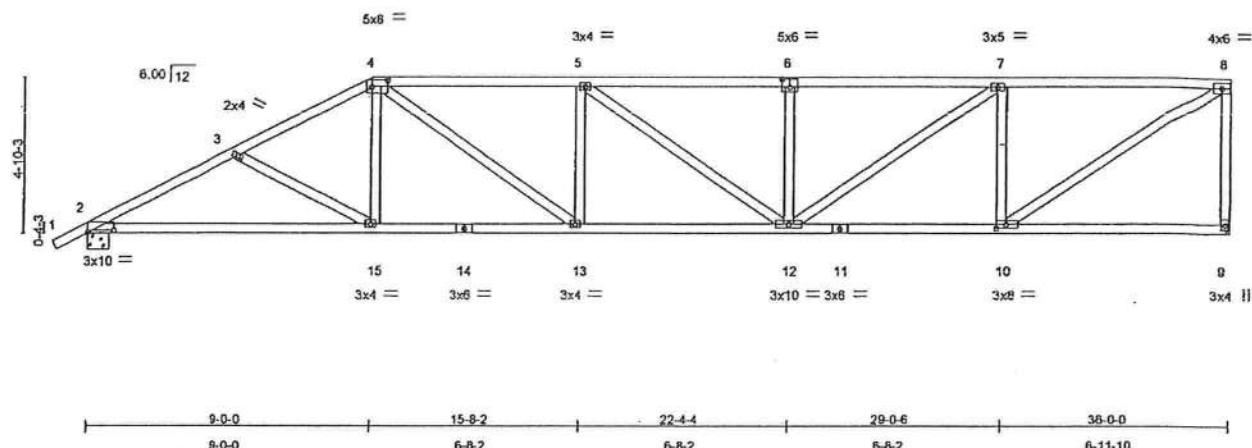
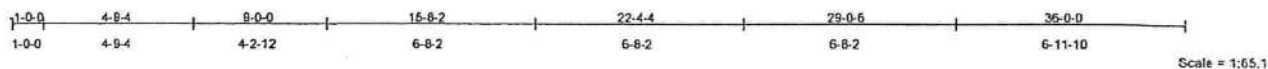


Plate Offsets (X,Y): [2-0-10-0-0-14], [4-0-6-0-0-2-8], [6-0-3-0-0-3-0], [10-0-3-8-0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.85	Vert(LL)	-0.24 12-13	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.82	Vert(TL)	-0.49 12-13	>866	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.82	Horz(TL)	-0.12 2	n/a	n/a		
BCDL 10.0	Code FBC2004/TP12002		(Matrix)						
								Weight: 195 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-3 oc purfins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-10-14 oc bracing.

REACTIONS (lb/size) 9=1525/Mechanical, 2=1593/0-8-0
Max Horz 0=221(LC 6)
Max Uplift 9=370(LC 5), 2=298(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/21, 2-3=2733/947, 3-4=2573/880, 4-5=2978/1107, 5-6=2867/1052, 6-7=2867/1052, 7-8=1917/702, 8-9=1391/589
BOT CHORD 2-15=704/2382, 14-15=575/2276, 13-14=575/2276, 12-13=843/2978, 11-12=437/1917, 10-11=437/1917, 9-10=0/242
WEBS 3-15=133/171, 4-15=0/394, 4-13=324/849, 5-13=237/255, 5-12=134/67, 6-12=302/280, 7-12=424/1150, 7-10=966/545, 8-10=817/2230

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) 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) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 370 lb uplift at joint 9 and 298 lb uplift at joint 2.

LOAD CASE(S) Standard

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November 21, 2007

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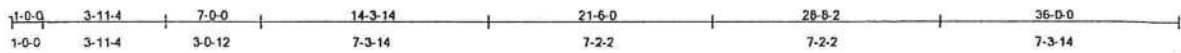
ENGINEERING BY
TRENCO
A Mitek Affiliate

818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530693
AUSTIN	MHGRD1	SPECIAL	1	2	Job Reference (optional)	

Maronde Homes Inc., Sanford, FL

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Scale = 1:65.4

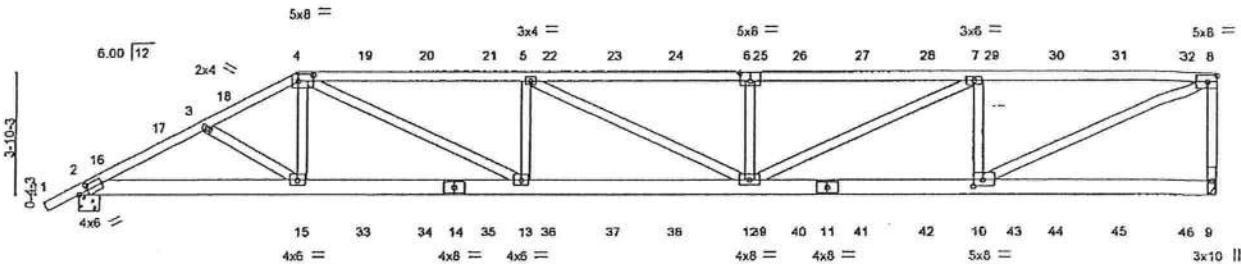


Plate Offsets (X,Y): [2:0-3-10,0-2-0] [4:0-5-8,0-2-4] [6:0-4-0,0-3-0] [10:0-3-8,0-2-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.73	Vert(LL)	0.41 12-13	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.71	Vert(TL)	-0.70 12-13	>605	180		
BCLL 10.0	Rep Stress Incr	NO	WB 0.73	Horz(TL)	-0.10 2	n/a	n/a		
BCDL 10.0	Code FBC2004/TP12002		(Matrix)						
								Weight: 428 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 3-9-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-0-0 oc bracing.

REACTIONS

(lb/size) 9=3456/Mechanical, 2=3341/0-8-0
Max Horz 9=181(LC 5)
Max Uplift 9=-1881(LC 7), 2=-1885(LC 8)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/25, 2-18=6512/3588, 18-17=6456/3503, 3-17=6444/3424, 3-18=6568/3513, 4-18=6510/3523,
4-19=8802/4793, 19-20=8802/4793, 20-21=8801/4792, 5-21=8801/4792, 5-22=8720/4742, 22-23=8720/4742,
23-24=8720/4742, 24-25=8720/4742, 6-25=8720/4742, 6-26=8720/4742, 26-27=8720/4742, 27-28=8720/4742,
7-28=8720/4742, 7-29=5894/3288, 29-30=5894/3288, 30-31=5894/3288, 31-32=5894/3288, 8-32=5894/3288,
8-9=3127/1878
BOT CHORD 2-15=3023/5685, 15-33=3059/5940, 33-34=3059/5940, 14-34=3059/5940, 14-35=3059/5940, 13-35=3059/5940,
13-36=4611/8801, 36-37=4611/8801, 37-38=4611/8801, 38-39=4611/8801, 12-39=4611/8801, 12-40=3172/5894,
11-40=3172/5894, 11-41=3172/5894, 41-42=3172/5894, 10-42=3172/5894, 10-43=86/217, 43-44=86/217,
44-45=86/217, 45-46=86/217, 9-46=86/217
WEBS 3-15=285/250, 4-15=189/957, 4-13=1829/3166, 5-13=724/874, 5-12=90/74, 6-12=733/859, 7-12=1718/3140,
7-10=2127/1602, 8-10=3605/6306

NOTES

- 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 0-7-0 oc.
Bottom chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCCL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise);
Lumber DOL=1.60 plate grip DOL=1.60.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Refer to glider(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1881 lb uplift at joint 9 and 1885 lb uplift at joint 2.

Continued on page 2

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November 21, 2007



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

Design valid for use only with MITek connection. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component's 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, D58-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Oroville Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A MITek Affiliate

818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530693
AUSTIN	MHGRD1	SPECIAL	1	2	Job Reference (optional)	

Maronda Homes Inc., Sanford, FL

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NOTES

8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 116 lb down and 194 lb up at 35-0-12, 116 lb down and 194 lb up at 33-0-12, 116 lb down and 194 lb up at 31-0-12, 116 lb down and 194 lb up at 29-0-12, 116 lb down and 194 lb up at 27-0-12, 116 lb down and 194 lb up at 25-0-12, 116 lb down and 194 lb up at 23-0-12, 116 lb down and 194 lb up at 21-0-12, 116 lb down and 194 lb up at 19-0-12, 116 lb down and 194 lb up at 17-0-12, 116 lb down and 194 lb up at 15-0-12, 116 lb down and 194 lb up at 13-0-12, 116 lb down and 194 lb up at 11-0-12, 116 lb down and 194 lb up at 9-0-12, 116 lb down and 194 lb up at 7-0-0, 194 lb up at 0-11-4, 194 lb up at 2-11-4, 194 lb up at 4-11-4, 194 lb up at 7-0-0, 194 lb up at 8-11-4, 194 lb up at 10-11-4, 194 lb up at 12-11-4, 194 lb up at 14-11-4, 194 lb up at 16-11-4, 194 lb up at 18-11-4, 194 lb up at 20-11-4, 194 lb up at 22-11-4, 194 lb up at 24-11-4, and 194 lb up at 26-11-4, and 194 lb up at 28-11-4 on top chord, and 92 lb down at 35-0-12, 92 lb down at 33-0-12, 92 lb down at 31-0-12, 92 lb down at 29-0-12, 92 lb down at 27-0-12, 92 lb down at 25-0-12, 92 lb down at 23-0-12, 92 lb down at 21-0-12, 92 lb down at 19-0-12, 92 lb down at 17-0-12, 92 lb down at 15-0-12, 92 lb down at 13-0-12, 92 lb down at 11-0-12, 92 lb down at 9-0-12, and 644 lb down and 345 lb up at 7-0-12, and 345 lb up at 29-0-0 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, 4-8=46, 2-9=40

Concentrated Loads (lb)

Vert: 4=116(B) 15=644(B) 19=116(B) 20=116(B) 21=116(B) 22=116(B) 23=116(B) 24=116(B) 25=116(B) 26=116(B) 27=116(B) 28=116(B) 29=116(B) 30=116(B) 31=116(B) 32=116(B) 33=92(B) 34=92(B) 35=92(B) 36=92(B) 37=92(B) 38=92(B) 39=92(B) 40=92(B) 41=92(B) 42=92(B) 43=92(B) 44=92(B) 45=92(B) 46=92(B)

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 connections. 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 ANS/TP11 Quality Criteria, D58-89 and SCS11 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	AUSTIN_FL_125	E4530661
AUSTIN	H61	SPECIAL	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL			7.020 s Nov 9 2007 Mitek Industries, Inc. Wed Nov 21 08:13:57 2007 Page 1			

1-0-0 6-5-1 11-8-8 17-0-0 19-0-0 24-3-8 28-6-15 36-0-0 37-0-0
1-0-0 6-5-1 5-3-7 5-3-8 2-0-0 5-3-8 5-3-7 6-5-1 1-0-0
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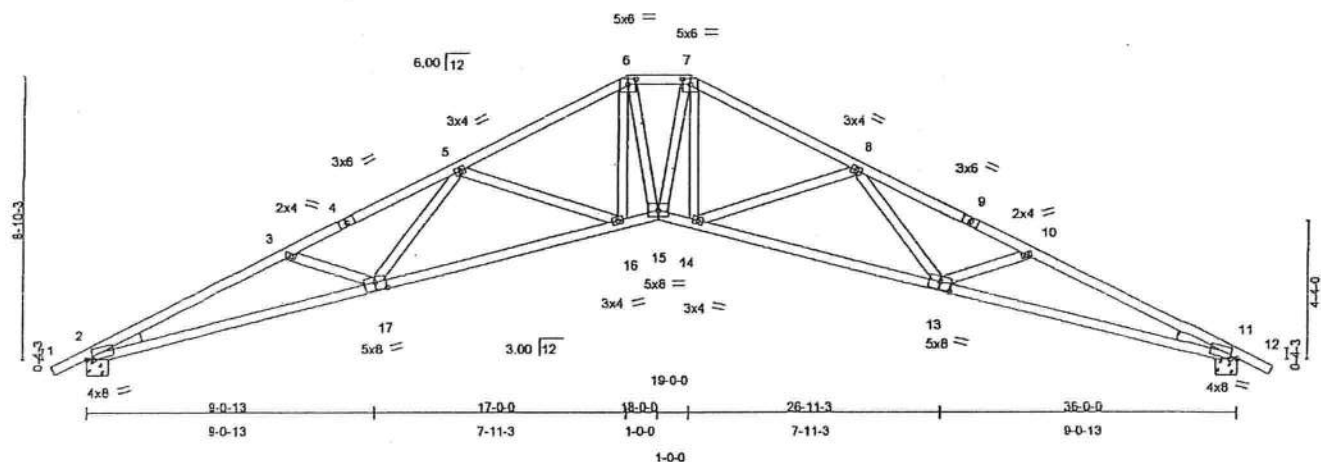


Plate Offsets (X,Y): [2-0-2-7 Edge], [6-0-3-0-0-2-0], [7-0-3-0-0-2-0], [11-0-2-7 Edge], [13-0-4-0-0-3-0], [17-0-4-0-0-3-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.81	Vert(LL)	-0.53 13-14	>797	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.94	Vert(TL)	-1.07 13-14	>395	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.35	Horz(TL)	0.74 11	n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)						Weight: 184 lb

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 "Except"
2-17 2 X 4 SYP No.1D, 11-13 2 X 4 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 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS (lb/size) 2=1584/0-8-0, 11=1584/0-8-0
Max Horz 2=151(LC 7)
Max Uplift 2=362(LC 6), 11=377(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/18, 2-3=4810/1417, 3-4=4623/1245, 4-5=4566/1259, 5-6=3474/948, 6-7=-3170/930, 7-8=-3482/950,
8-9=-4566/1259, 9-10=4623/1245, 10-11=4810/1417, 11-12=0/18
BOT CHORD 2-17=-1155/4357, 16-17=-861/3890, 15-16=-473/3076, 14-15=-476/3088, 13-14=-861/3890, 11-13=-1155/4357
WEBS 3-17=-139/264, 5-17=-65/640, 5-16=-746/396, 6-16=-131/797, 6-15=-166/641, 7-15=-199/572, 7-14=-129/790,
8-14=-731/393, 8-13=-65/634, 10-13=-133/264

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCCL=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.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Bearing at joint(s) 2, 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 362 lb uplift at joint 2 and 377 lb uplift at joint 11.

LOAD CASE(S) Standard

This document was originally issued by Lassiter, Frank on November 21, 2007. This is not considered a sealed document. Official sealed drawings are available upon request from the manufacturer indicated above.
November 21, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MU-7473 BEFORE USE.
Design void for use only with Mitek connection. 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/TPI Quality Criteria, D58-89 and ECSI Building Component Safety Information available from Truss Plate Institute, 583 D'Oroville Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A Mitek Affiliate

818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530663
AUSTIN	H92	SPECIAL	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL			7.020 s Nov 9 2007 MITek Industries, Inc. Wed Nov 21 08:43:58 2007 Page 1			

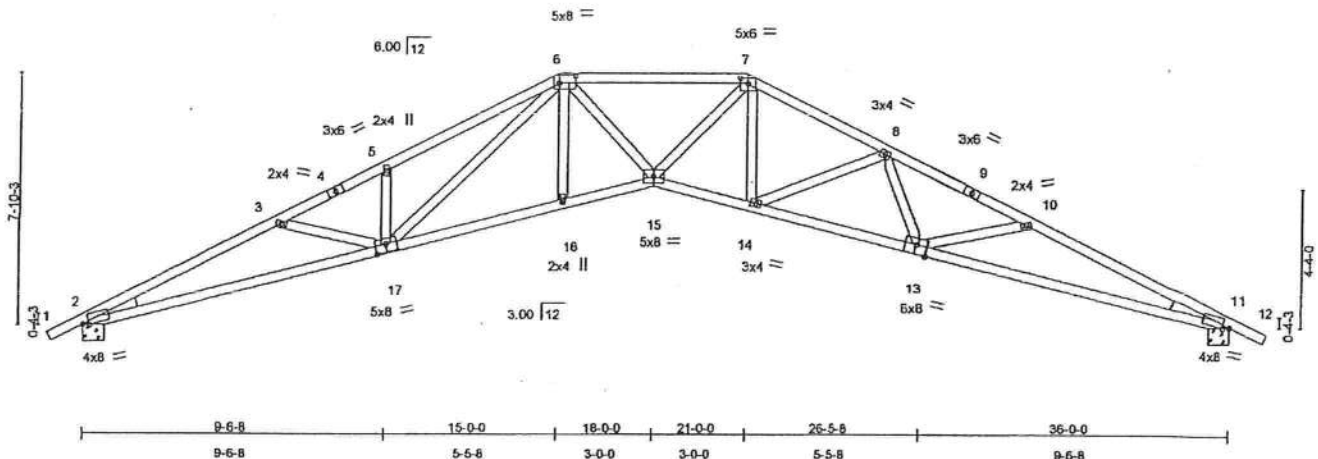
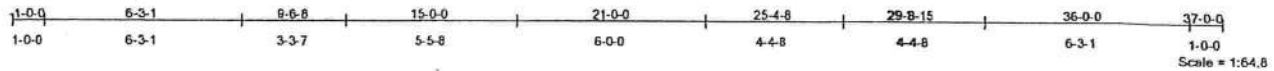


Plate Offsets (X,Y): [2-0-2-7 Edge], [6-0-6-0-0-2-8], [7-0-3-0-0-2-0], [11-0-2-7 Edge], [13-0-4-0 Edge], [17-0-4-0-0-3-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.81	Vert(LL)	-0.52 15	>816	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.81	Vert(TL)	-1.03 14-15	>412	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.34	Horz(TL)	0.74 11	n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)						
								Weight: 180 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 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 2-1-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-1-12 oc bracing.

REACTIONS (lb/size) 2=1584/0-8-0, 11=1584/0-8-0
Max Horz 2=136(LC 7)
Max Upfl 2=348(LC 6), 11=348(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/18, 2-3=4749/1442, 3-4=4585/1286, 4-5=4541/1298, 5-6=4575/1411, 6-7=4132/1161, 7-8=3762/1106,
8-9=4523/1280, 9-10=4576/1270, 10-11=4761/1456, 11-12=0/18
BOT CHORD 2-17=1175/4302, 16-17=676/3448, 15-16=664/3439, 14-15=653/3418, 13-14=925/4039, 11-13=1190/4314
WEBS 3-17=95/207, 5-17=172/212, 6-17=389/1048, 6-16=0/164, 6-15=174/1173, 7-15=192/1208, 7-14=142/544,
8-14=631/272, 8-13=27/457, 10-13=124/258

NOTES

- Unbalanced roof live loads have been considered for this design.
- 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.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Bearing at joint(s) 2, 11 considers parallel to grain value using ANS/ITPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 348 lb uplift at joint 2 and 348 lb uplift at joint 11.

LOAD CASE(S) Standard

This document was originally issued by Lassiter, Frank on November 21, 2007. This is not considered a sealed document. Official sealed drawings are available upon request from the manufacturer indicated above.
November 21, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MD-1473 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 ANS/ITPI Quality Criteria, D58-89 and BCSII Building Component Safety Information available from Truss Plate Institute, 583 O'Connell Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A Mitek Affiliate

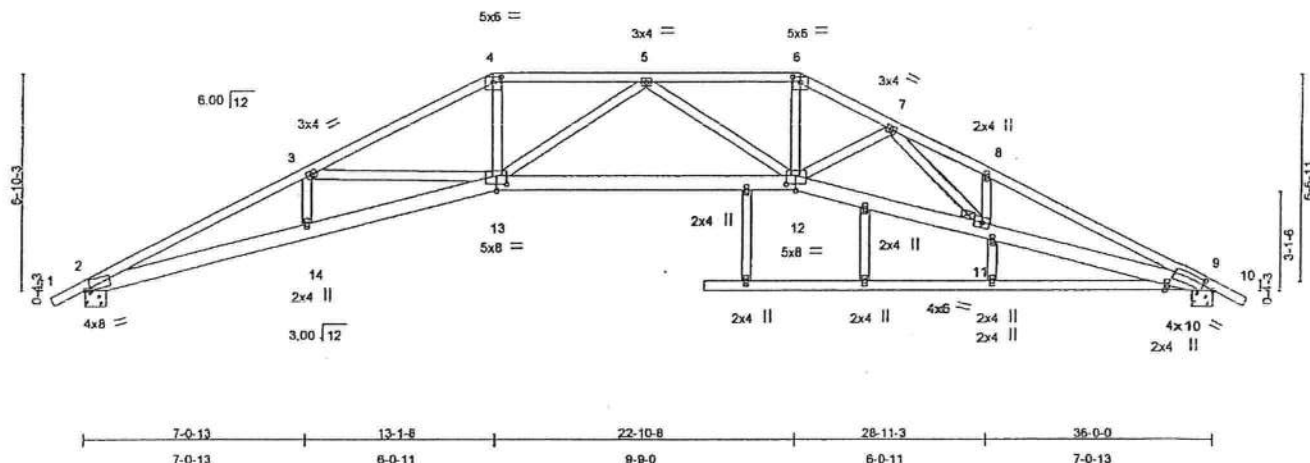
818 Soundside Road
Edenton, NC 27932

Maronda Homes Inc., Sanford, FL

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Scale = 1:65.9



LUMBER

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-3-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-7-10 oc bracing.
JOINTS 1 Brace at Jt(s): 11

FORCES (lb) - Maximum Compression/Maximum Tension

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDF=4.2psf; BCDF=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) 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.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 333 lb uplift at joint 2 and 333 lb uplift at joint 9.

LOAD CASE(S) Standard

This document was originally issued by Lassiter, Frank on November 21, 2007. This is not considered a sealed document. Official sealed drawings are available upon request from the manufacturer indicated above. November 21, 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 ANSIPF11 Quality Criteria, DSR-89 and BC311 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A WATKINS COMPANY

818 Soundside Road
Edenton, NC 27832

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530867
AUSTIN	HS4	SPECIAL	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL			7.020 s Nov 9 2007 Mitek Industries, Inc. Wed Nov 21 08:44:01 2007 Page 1			

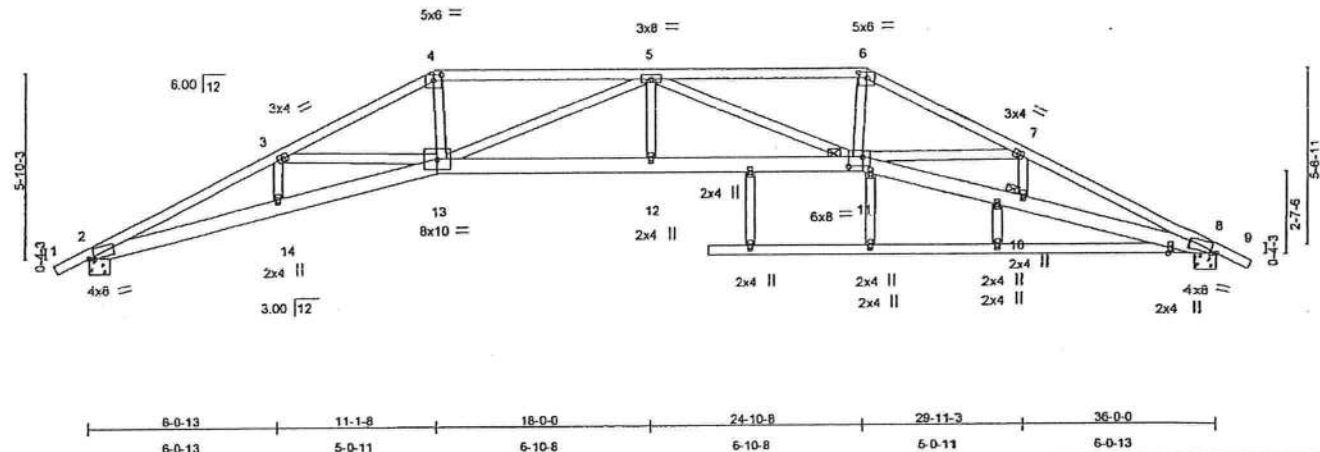


Plate Offsets (X,Y): [2-0-1-15-0-0-9] [4-0-3-0-0-2-0] [6-0-3-0-0-2-0] [8-0-1-15-0-0-9] [11-0-5-4-0-3-8]						
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	I/defl
TCLL 16.0	Plates Increase	1.25	TC 0.49	Vert(LL)	-0.50 12	>850 240
TCDL 7.0	Lumber Increase	1.25	BC 0.78	Vert(TL)	-0.89 12-13	>428 180
BCDL 10.0	Rep Stress Incr	YES	WB 0.74	Horz(TL)	0.61 8	n/a n/a
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)			
			PLATES GRIP			
			MT20 244/190			
			Weight: 229 lb			

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 2-6-0 oc purlins.
BOT CHORD 2 X 6 SYP No.1D *Except*	BOT CHORD Rigid ceiling directly applied or 7-6-2 oc bracing.
8-15 2 X 4 SYP No.2	JOINTS 1 Brace at Jt(s): 11, 10
WEBS 2 X 4 SYP No.2	

REACTIONS (lb/size) 2=1584/0-8-0, 8=1584/0-8-0
Max Horz 2=108(LC 6)
Max Uplift 2=315(LC 6), 8=315(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/22, 2-3=-4994/1481, 3-4=-4488/1368, 4-5=-4049/1292, 5-6=-4049/1292, 6-7=-4488/1368, 7-8=-4994/1481, 8-9=0/22
BOT CHORD 2-14=-1208/4494, 13-14=-1214/4515, 12-13=-1248/4774, 11-12=-1248/4774, 10-11=-1214/4515, 8-10=-1208/4494
WEBS 3-14=0/167, 3-13=-391/249, 5-12=0/282, 5-11=-930/298, 7-11=-391/261, 7-10=0/167, 5-13=-930/300, 6-11=-364/1703, 4-13=-364/1703

NOTES

- Unbalanced roof live loads have been considered for this design.
- 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.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 315 lb uplift at joint 2 and 315 lb uplift at joint 8.

LOAD CASE(S) Standard

This document was originally issued by Lassiter, Frank on November 21, 2007. This is not considered a sealed document. Official sealed drawings are available upon request from the manufacturer indicated above. November 21, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 BEFORE USE.
Design valid for use only with Mitek connection. 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, D58-89 and ECSI1 Building Component Safety Information available from Truss Plate Institute, 583 D'Oroville Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A Mitek Alliance
818 Soundside Road
Edenon, NC 27932

Job	TRUSS	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530668
AUSTIN	HSS	SPECIAL	1		Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						
7.020 s Nov 9 2007 MITek Industries, Inc. Wed Nov 21 08:44:01 2007 Page 1						

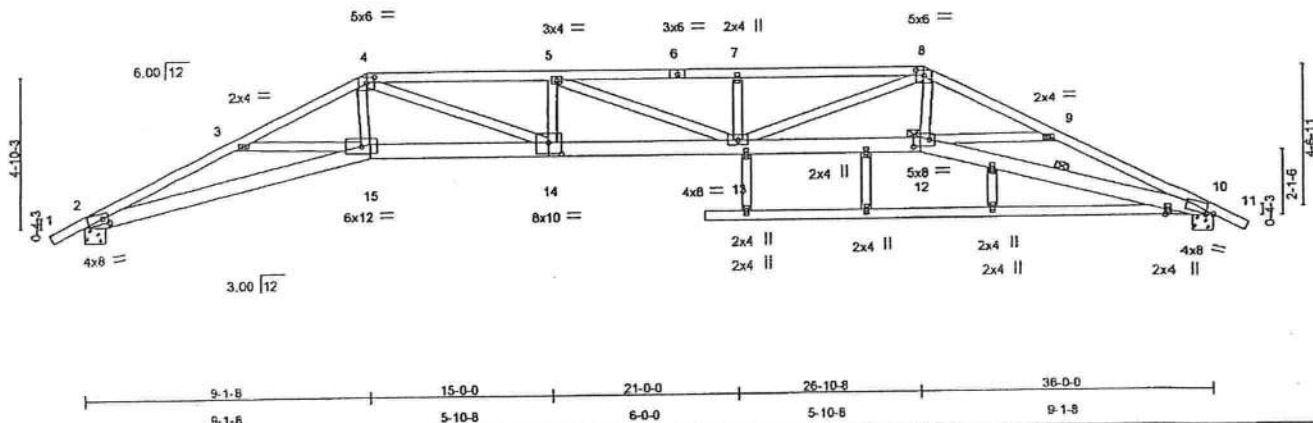
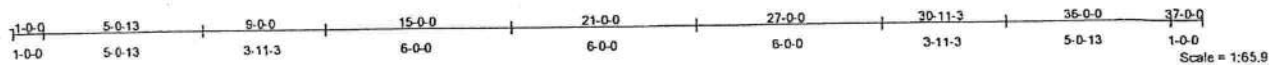


Plate Offsets (X, Y): [2-0-2-4-0-2-0], [4-0-3-0-0-2-0], [8-0-3-0-0-2-0], [10-0-2-11-0-0-9], [12-0-6-0-0-2-12], [14-0-5-0-0-4-8]						
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	L/def
TCLL 16.0	Plates Increase	1.25	TC 0.57	Vert(LL)	-0.64 13-14	>665 240
TCDL 7.0	Lumber Increase	1.25	BC 0.69	Vert(TL)	-1.26 13-14	>335 180
BCLL 10.0	Rep Stress Incr	YES	WB 0.34	Horz(TL)	0.62 10	n/a n/a
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)			
						PLATES GRIP
						MT20 244/190
						Weight: 228 lb

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 2-4-3 oc purlins.
BOT CHORD 2 X 6 SYP No.1D "Except"	BOT CHORD Rigid ceiling directly applied or 6-7-11 oc bracing. Except
10-16 2 X 4 SYP No.2	7-3-0 oc bracing: 10-12
WEBS 2 X 4 SYP No.2	JOINTS 1 Brace at J1(s): 12
REACTIONS (lb/size) 2=1584/0-8-0, 10=1584/0-8-0	
Max Horz 2=93(LC 7)	
Max Uplift 2=295(LC 6), 10=295(LC 7)	

FORCES (lb) - Maximum Compression/Maximum Tension	
TOP CHORD 1-2=0/22, 2-3=4835/1810, 3-4=4753/1444, 4-5=5526/1846, 5-6=5514/1843, 6-7=5514/1843, 7-8=5514/1843, 8-9=4762/1448, 9-10=4836/1611, 10-11=0/22	
BOT CHORD 2-15=1336/4371, 14-15=1088/4288, 13-14=1595/5541, 12-13=1091/4308, 10-12=1337/4375	
WEBS 3-15=37/270, 4-14=532/1417, 5-14=307/255, 5-13=115/71, 7-13=276/257, 8-13=523/1393, 9-12=44/277, 8-12=230/1390, 4-15=223/1372	

- 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) Bearing at joint(s) 2, 10 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 295 lb uplift at joint 2 and 295 lb uplift at joint 10.

LOAD CASE(S) Standard

This document was originally issued by Lassiter, Frank on November 21, 2007. This is not considered a sealed document. Official sealed drawings are available upon request from the manufacturer indicated above. November 21, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE ML-7473 BEFORE USE.
Design valid for use only with Mittek connection. 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, D58-B7 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A Mittek Alliance
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530669
AUSTIN	HSGRD1	SPECIAL	1	3	Job Reference (optional)	

Maranda Homes Inc., Sanford, FL

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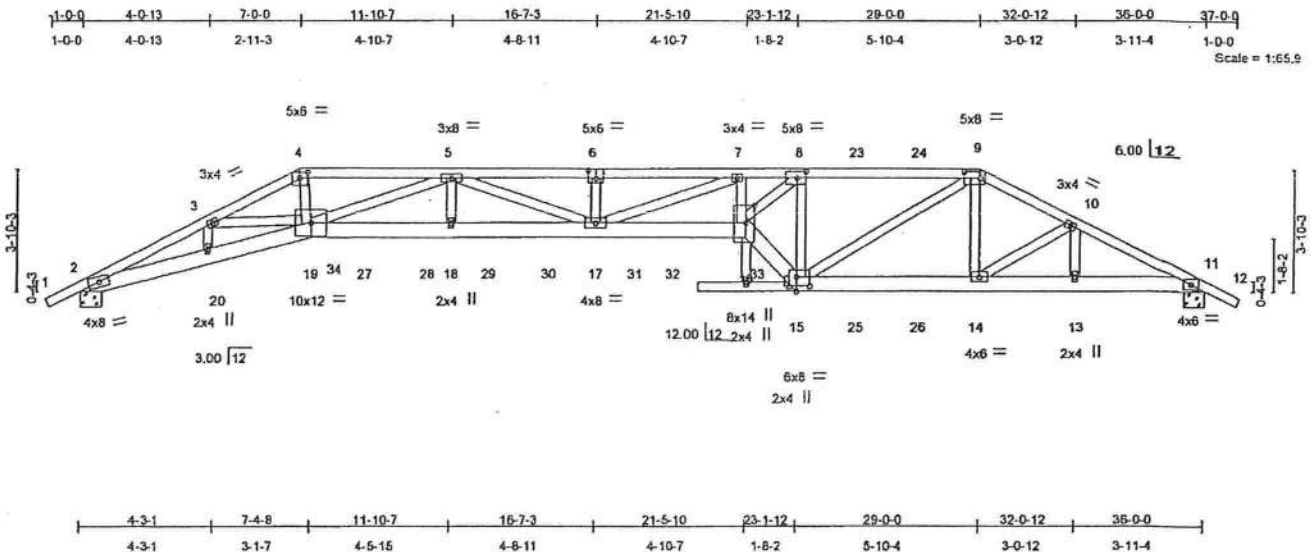


Plate Offsets (X,Y): [4:0-3:0-0-2-0], [6:0-3:0-0-3-0], [8:0-3:8:0-2-8], [9:0-6:0-0-2-8], [15:0-1:12:0-2-12], [15:0-5:4:0-3-8], [16:0-6:12:0-3-8]									
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.46	Vert(LL)	0.75 16-17	>563	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.88	Vert(TL)	-1.26 16-17	>338	180		
BCLL 10.0	Rep Stress Incr	NO	WB 0.79	Horz(TL)	-0.47 2	n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)						
								Weight: 653 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.1D
BOT CHORD 2 X 6 SYP No.2 *Except*
16-19 2 X 6 SYP No.1D, 15-21 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-6-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 11=3534/0-8-0, 2=3592/0-8-0
Max Horz 11=80(LC 6)
Max Uplift 11=1665(LC 8), 2=1691(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 9-10=6957/3391, 10-11=6833/3194, 11-12=0/25, 4-5=12589/6331, 5-6=18762/9386, 6-7=18762/9386,
7-8=18144/9016, 8-23=9223/4588, 23-24=9223/4588, 9-24=9223/4588, 1-2=0/22, 2-3=11630/5630,
3-4=12800/6409
BOT CHORD 15-25=3021/6267, 25-26=3021/6264, 14-26=3020/6262, 13-14=2812/5981, 11-13=2812/5981, 15-16=5882/11965,
19-27=8362/16846, 27-28=8362/16846, 18-28=8362/16846, 18-29=8362/16846, 29-30=8362/16846,
17-30=8362/16846, 17-31=8962/18164, 31-32=8964/18168, 32-33=8965/18171, 16-33=8967/18173,
2-20=4992/10394, 20-34=5040/10490, 19-34=5156/10675
WEBS 10-13=118/155, 10-14=311/381, 9-14=408/1039, 9-15=1790/3464, 8-15=9174/4681, 8-16=6409/12898,
7-16=324/209, 7-17=452/686, 6-17=208/154, 5-17=1025/2102, 5-18=369/769, 5-19=4643/2383, 4-19=2772/5570,
3-19=901/1444, 3-20=282/241

NOTES

- 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 6 - 2 rows at 0-8-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 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.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Bearing at joint(s) 2 considers parallel to grain value using ANSVIPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1665 lb uplift at joint 11 and 1691 lb uplift at joint 2.

Continued on page 2

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November 21, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MD-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's 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, D58-B9 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A MITEK AFFILIATE
816 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530647
AUSTIN	GRD1	COMMON	1	3	Job Reference (optional)	
Mercede Homes Inc., Sanford, FL			7.020 s Nov 9 2007 Mitek Industries, Inc. Wed Nov 21 06:43:46 2007 Page 1			

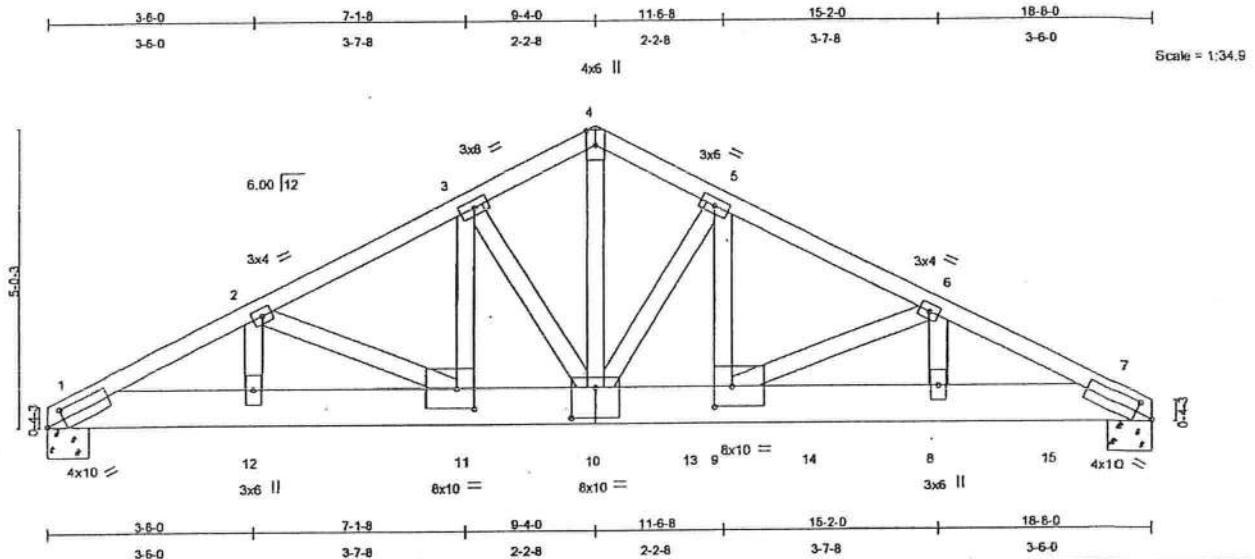


Plate Offsets (X Y): [1:0-3-9-0-2-0], [7:0-3-9-0-2-0], [9:0-3-8-0-4-0], [10:0-5-0-0-6-0], [11:0-3-8-0-4-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.31	Vert(LL)	-0.11	9	>999	240	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.63	Vert(TL)	-0.21	9	>999	180	
BCLL 10.0	Rep Stress Incr	NO	WB 0.49	Horz(TL)	0.05	7	n/a	n/a	
BCDL 10.0	Code FBC2004/TP12002		(Matrix)						
Weight: 387 lb									

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

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

REACTIONS (lb/size) 1=5421/0-8-0, 7=8079/0-8-0
Max Horz 1=75(LC 3)
Max Uplift 1=2226(LC 5), 7=3102(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=10804/4484, 2-3=11048/4653, 3-4=9322/3815, 4-5=9326/3817, 5-6=11441/4498, 6-7=14272/5457
BOT CHORD 1-12=4014/9575, 11-12=4014/9575, 10-11=4117/9848, 10-13=3934/10206, 9-13=3934/10206, 9-14=4814/12661,
8-14=4814/12661, 8-15=4814/12661, 7-15=4814/12661
WEBS 2-12=274/189, 2-11=238/404, 3-11=1561/3066, 3-10=2740/1468, 4-10=3267/8001, 5-10=3404/1210,
5-9=1267/3777, 6-9=2705/991, 6-8=790/2392

NOTES

- 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 4 rows at 0-4-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 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.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2226 lb uplift at joint 1 and 3102 lb uplift at joint 7.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3561 lb down and 1914 lb up at 7-1-8, 1708 lb down and 813 lb up at 9-0-12, 1710 lb down and 850 lb up at 11-0-12, 1632 lb down and 567 lb up at 13-0-12, and 1632 lb down and 585 lb up at 15-0-12, and 1710 lb down and 706 lb up at 17-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

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

Continued on page 2

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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE M1-7473 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, D58-87 and BC311 Building Component Safety Information - available from Truss Plate Institute, 583 D'Oroville Drive, Madison, WI 53719.

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

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530647
AUSTIN	GRD1	COMMON	1	3	Job Reference (optional)	

Maronda Homes Inc., Sanford, FL

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LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-4=-46, 4-7=-46, 1-7=-40

Concentrated Loads (lb)

Vert: 11=-3561(F) 10=-1706(F) 8=-1632(F) 13=-1710(F) 14=-1632(F) 15=-1710(F)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE MIT-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, D58-89 and BC511 Building Component Safety Information available from Truss Plate Institute, 583 O'Neale Drive, Madison, WI 53719.

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

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530699
AUSTIN	T1	COMMON	7	1	Job Reference (optional)	

Merond Homes Inc., Sanford, FL

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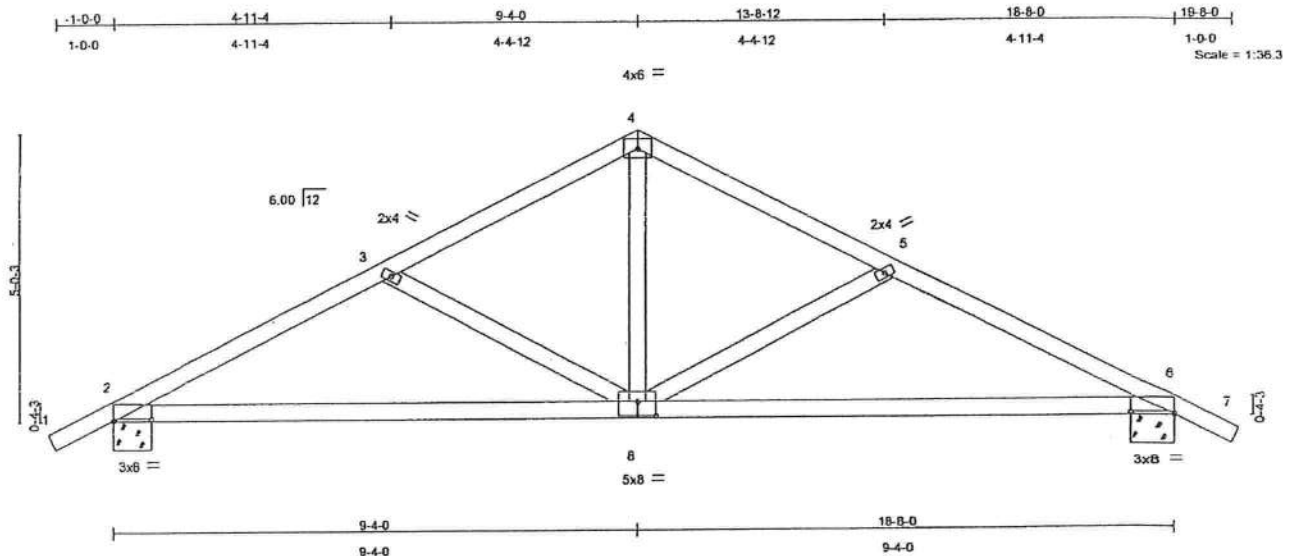


Plate Offsets (X,Y): [2-0-8-0-0-0-6], [6-0-8-0-0-0-6], [8-0-4-0-0-3-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.27	Vert(LL)	-0.13	6-8	>999	240	MT20
TCDL 7.0	Lumber Increase	1.25	BC 0.61	Vert(TL)	-0.30	6-8	>722	180	244/190
BCLL 10.0	Rep Stress Incr	YES	WB 0.12	Horz(TL)	0.03	6	n/a	n/a	
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)						Weight: 84 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 5-4-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=838/0-8-0, 6=838/0-8-0
Max Horz 2=95(LC 6)
Max Uplift 2=228(LC 6), 6=228(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/21, 2-3=-1182/392, 3-4=-960/295, 4-5=-960/295, 5-6=-1182/392, 6-7=0/21
BOT CHORD 2-8=-220/1023, 6-8=-220/1023
WEBS 3-8=-257/202, 4-8=-69/623, 5-8=-257/202

NOTES

- Unbalanced roof live loads have been considered for this design.
- 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.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 228 lb uplift at joint 2 and 228 lb uplift at joint 6.

LOAD CASE(S) Standard

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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MU-7473 BEFORE USE.
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ENGINEERING BY
TRENCO
A Mitek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	City	Ply	AUSTIN_FL_125	E4530653
AUSTIN	HS	HIP	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						

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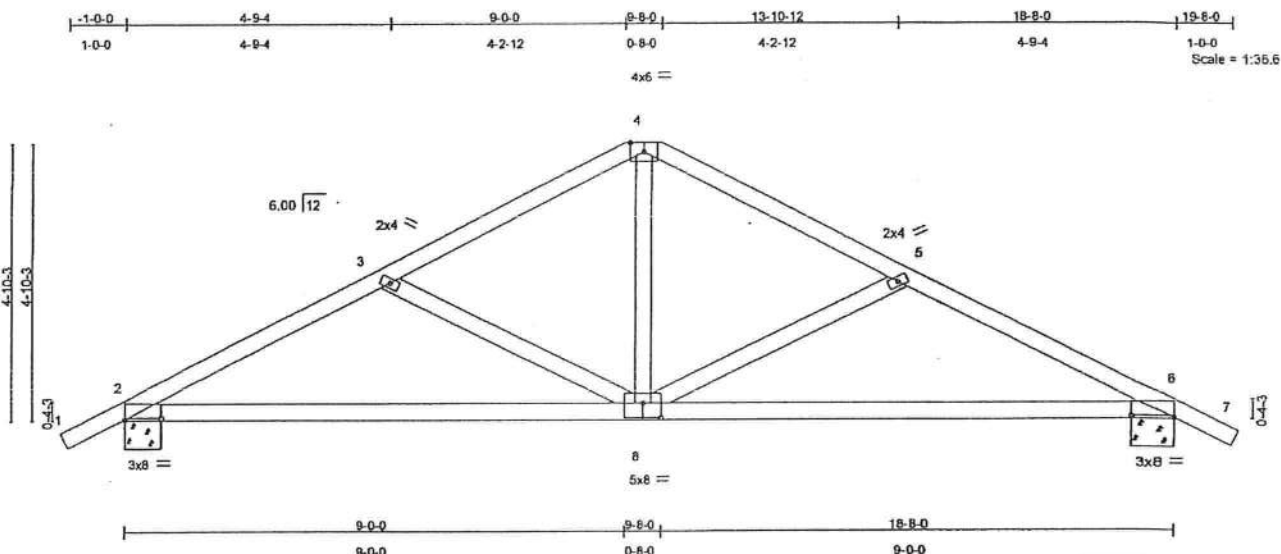


Plate Offsets (X,Y): [2-0-8-0-0-6], [6-0-8-0-0-6], [8-0-4-0-0-3-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	I/defl	L/d	PLATES	GRIP
TCLL 18.0	Plates Increase	1.25	TC 0.26	Vert(LL)	-0.12	6-8	>999	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.60	Vert(TL)	-0.30	6-8	>730		
BCLL 10.0	Rep Stress Incr	YES	WB 0.11	Horz(TL)	0.03	6	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)						
								Weight: 84 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 5-4-3 oc purfins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=838/0-8-0, 6=838/0-8-0
Max Horz 2=-95(LC 7)
Max Uplift 2=228(LC 6), 6=-228(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/21, 2-3=-1188/396, 3-4=-962/294, 4-5=-962/294, 5-6=-1188/396, 6-7=0/21
BOT CHORD 2-8=-225/1030, 6-8=-225/1030
WEBS 3-8=-261/203, 5-8=-261/203, 4-8=-58/611

NOTES

- Unbalanced roof live loads have been considered for this design.
- 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.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 228 lb uplift at joint 2 and 228 lb uplift at joint 6.

LOAD CASE(S) Standard

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November 21,2007

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

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530659
AUSTIN	HGRD2	HIP	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						
7.020 s Nov 9 2007 Mitek Industries, Inc. Wed Nov 21 08:43:55 2007 Page 1						

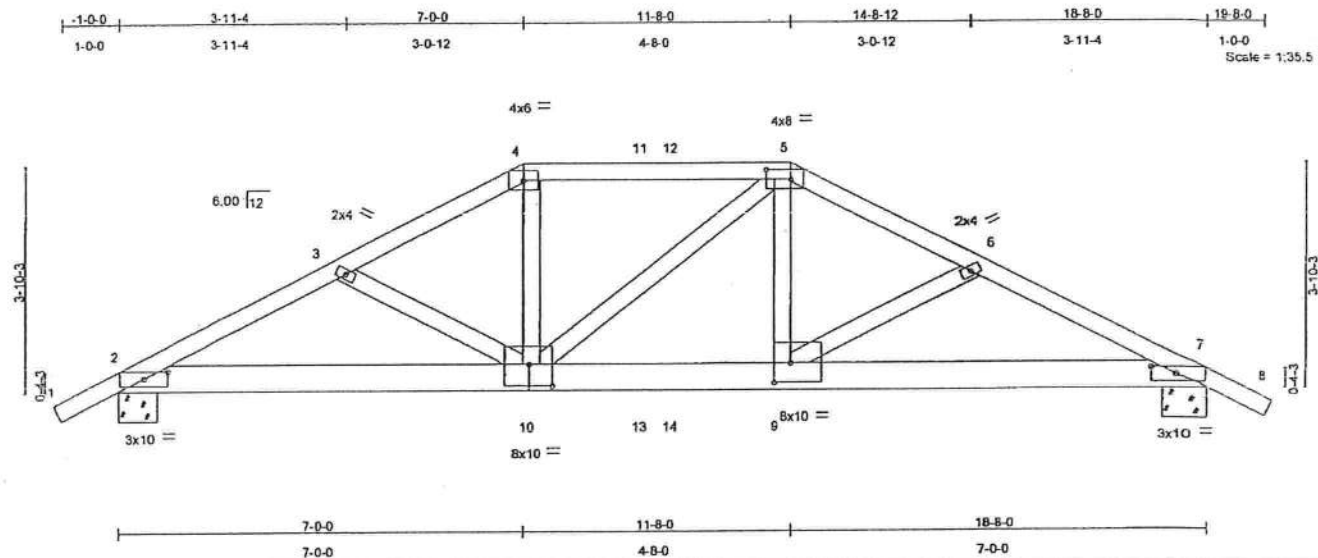


Plate Offsets (X,Y): [2-0-5-0-0-1-7] [5-0-5-4-0-2-0] [7-0-5-0-0-1-7] [9-0-3-8-0-4-0] [10-0-5-0-0-4-8]									
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	U/defl	L/d	PLATES	GRIP
TCCL 16.0	Plates Increase	1.25	TC 0.39	Vert(LL)	0.12	9-10	>999	MT20	244/190
TCCL 7.0	Lumber Increase	1.25	BC 0.61	Vert(TL)	-0.20	9-10	>999		
BCCL 10.0	Rep Stress Incr	NO	WB 0.22	Horz(TL)	0.06	7	n/a		
BCCL 10.0	Code FBC2004/TP12002		(Matrix)						
								Weight: 105 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 3-4-5 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-6-5 oc bracing.

REACTIONS (lb/size) 2=1806/0-8-0, 7=1802/0-8-0
 Max Horz 2=80(LC 5)
 Max Uplift 2=884(LC 7), 7=882(LC 8)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/25, 2-3=3298/1624, 3-4=3207/1614, 4-11=2888/1496, 11-12=2888/1496, 5-12=2888/1496, 5-6=3196/1610, 6-7=3289/1621, 7-8=0/25
 BOT CHORD 2-10=1419/2869, 10-13=1371/2893, 13-14=1371/2893, 9-14=1371/2893, 7-9=1336/2861
 WEBS 3-10=79/94, 4-10=481/1186, 5-10=72/59, 5-9=482/1187, 6-9=79/92

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCCL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 884 lb uplift at joint 2 and 882 lb uplift at joint 7.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 19 lb down and 72 lb up at 7-0-0, 19 lb down and 72 lb up at 9-0-12, and 19 lb down and 72 lb up at 9-7-4, and 19 lb down and 72 lb up at 11-8-0 on top chord, and 738 lb down and 433 lb up at 7-0-0, 190 lb down and 93 lb up at 9-0-12, and 190 lb down and 93 lb up at 9-7-4, and 738 lb down and 433 lb up at 11-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 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

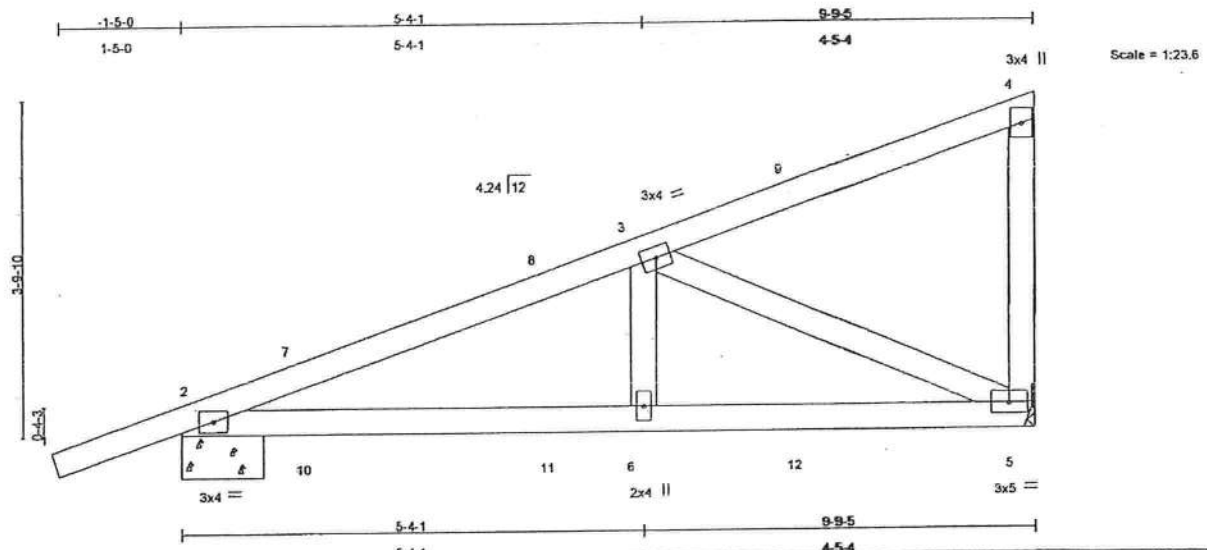
- Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert 1-4=-46, 4-5=-46, 5-8=-46, 2-7=-40
 Concentrated Loads (lb)
 Vert 4=-19(B) 5=-19(B) 10=-738(B) 9=-738(B) 11=-19(B) 12=-19(B) 13=-190(B) 14=-190(B)

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ENGINEERING BY
TRENCO
 A MITEK AFFILIATE
 818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530680
AUSTIN	JGRD1	MONO TRUSS	4	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						
7.020 s Nov 9 2007 MTEK Industries, Inc. Wed Nov 21 08:44:06 2007 Page 1						



LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/def	L/d	PLATES	GRIP
TCCL	16.0	Plates Increase	1.25	TC	0.24			MT20	244/190
TCCL	7.0	Lumber Increase	1.25	BC	0.29				
BCLL	10.0	Rep Stress Incr	NO	WB	0.24				
BCDL	10.0	Code FBC2004/TPI2002	(Matrix)						
								Weight: 46 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 9-11-9 oc bracing.
WEBS 2 X 4 SYP No.2	

REACTIONS (lb/size) 5=556/Mechanical, 2=521/0-11-5
Max Horz 2=174(LC 3)
Max Uplift 5=307(LC 7), 2=247(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/21, 2-7=-816/291, 7-8=-780/309, 3-8=-745/296, 3-9=-116/64, 4-9=-48/0, 4-5=-126/155
BOT CHORD 2-10=-392/728, 10-11=-392/728, 6-11=-392/728, 6-12=-392/728, 5-12=-392/728
WEBS 3-6=0/282, 3-5=-737/387

- NOTES
- 1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCCL=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) Refer to girder(s) for truss to truss connections.
 - 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 307 lb uplift at joint 5 and 247 lb uplift at joint 2.
 - 5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 43 lb up at 4-4-0, 43 lb up at 4-4-0, 59 lb down and 122 lb up at 7-1-15, 59 lb down and 122 lb up at 7-1-15, and 48 lb down at 1-6-1, and 48 lb down at 1-6-1 on top chord, and 22 lb up at 1-6-1, 22 lb up at 1-6-1, 12 lb down at 4-4-0, 12 lb down at 4-4-0, and 52 lb down at 7-1-15, and 52 lb down at 7-1-15 on bottom 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) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-46, 2-5=-40
Concentrated Loads (lb)
Vert: 8=8(F=4, B=4) 9=-118(F=-59, B=59) 10=43(F=22, B=22) 11=-24(F=-12, B=12) 12=-104(F=-52, B=52)

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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE M17-7473 BEFORE USE.
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ENGINEERING BY
TRENCO
A MITEK Affiliate

818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530687
AUSTIN	JSGRD1	SPECIAL	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						
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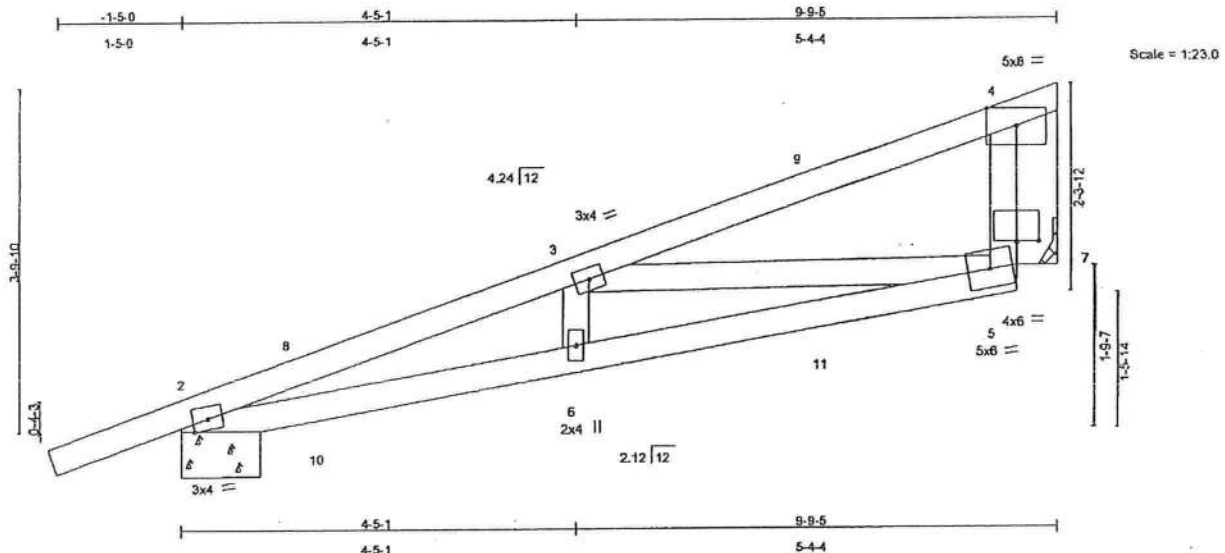


Plate Offsets (X,Y): [5-0-3-0-0-1]						
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	I/defl
TCLL 16.0	Plates Increase	1.25	TC 0.41	Vert(LL)	-0.05	5-6 >999
TCDL 7.0	Lumber Increase	1.25	BC 0.48	Vert(TL)	-0.11	5-6 >999
BCLL 10.0	Rep Stress Incr	NO	WB 0.30	Horz(TL)	0.02	7 n/a
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)			
				U/d	240	180
				PLATES	MT20	GRIP
						244/190
				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
OTHERS 2 X 6 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-4-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-4-11 oc bracing.

REACTIONS (lb/size) 2=522/0-10-9, 7=516/Mechanical
Max Horz 2=165(LC 7)
Max Uplift 2=260(LC 7), 7=305(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/17, 2-8=1374/611, 3-8=1337/637, 3-9=445/261, 4-9=364/188, 4-5=132/439
BOT CHORD 2-10=696/1253, 6-10=688/1268, 6-11=711/1261, 5-11=701/1300
WEBS 3-6=0/199, 3-5=854/425, 4-7=557/355, 5-7=217/218

NOTES

- 1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCCL=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) Refer to girder(s) for truss to truss connections.
- 4) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 260 lb uplift at joint 2 and 305 lb uplift at joint 7.
- 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 47 lb up at 4-4-0, 47 lb up at 4-4-0, 59 lb down and 126 lb up at 7-1-15, 59 lb down and 126 lb up at 7-1-15, and 44 lb down at 1-6-1, and 44 lb down at 1-6-1 on top chord, and 22 lb up at 1-6-1, 22 lb up at 1-6-1, 12 lb down at 4-4-0, 12 lb down at 4-4-0, and 52 lb down at 7-1-15, and 52 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: 3=8(F=4, B=4) 6=24(F=12, B=12) 9=118(F=59, B=59) 10=43(F=22, B=22) 11=104(F=52, B=52)

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ENGINEERING BY
TRENCO
A MITEK AFFILIATE

818 Soundside Road
Eden, NC 27932

Maiporda Homes Inc., Sanford, FL

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Weight: 27 lb

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.

NOTES (5)

- 1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDF=4.2psf; BCDF=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.80 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) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 64 lb uplift at joint 4, 120 lb uplift at joint 2 and 34 lb uplift at joint 5.
- 5) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 4 and 5.

LOAD CASE(S) Standard

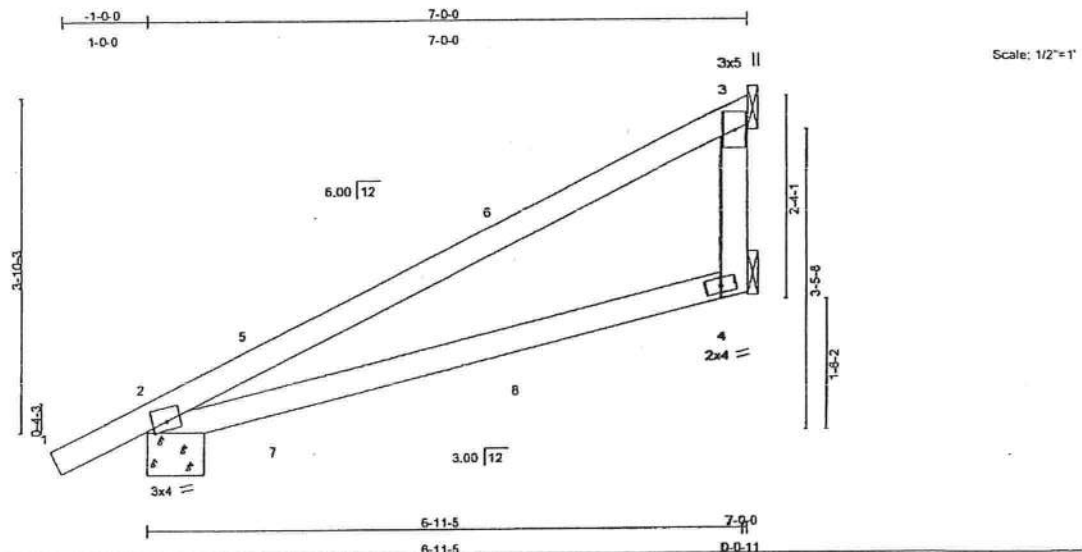
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THE ENGINEERING BY
TRENCO
A LuTech Alliance

818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530688
AUSTIN	JSA	SPECIAL	8	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						
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LOADING (psf)	SPACING	2'-0"	CSI	DEFL	In (loc)	I/def	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.49	Ver(LL)	-0.10	2-4	>754	240	244/180
TCDL 7.0	Lumber Increase	1.25	BC 0.45	Ver(TL)	-0.26	2-4	>302	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: 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" oc purlins.
BOT CHORD Rigid ceiling directly applied or 6'-0" oc bracing.

REACTIONS (lb/size) 2=338/0-8-0, 3=155/Mechanical, 4=143/Mechanical
Max Horz 2=174(LC 6)
Max Uplift 2=122(LC 8), 3=191(LC 8)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/18, 2-5=120/0, 5-6=93/0, 3-6=101/60
BOT CHORD 2-7=21/0, 7-8=0/0, 4-8=0/28
WEBS 3-4=0/0

NOTES (8)

- 1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCCL=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) Refer to girder(s) for truss to truss connections.
- 4) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 122 lb uplift at joint 2 and 191 lb uplift at joint 3.
- 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 9 lb down and 57 lb up at 4-4-0, 9 lb down and 57 lb up at 4-4-0, and 47 lb down at 1-6-1, and 47 lb down at 1-6-1 on top chord, and 21 lb up at 1-6-1, 21 lb up at 1-6-1, and 17 lb down at 4-4-0, and 17 lb down at 4-4-0 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=19(F=9, B=9) 7=41(F=21, B=21) 8=33(F=17, B=17)

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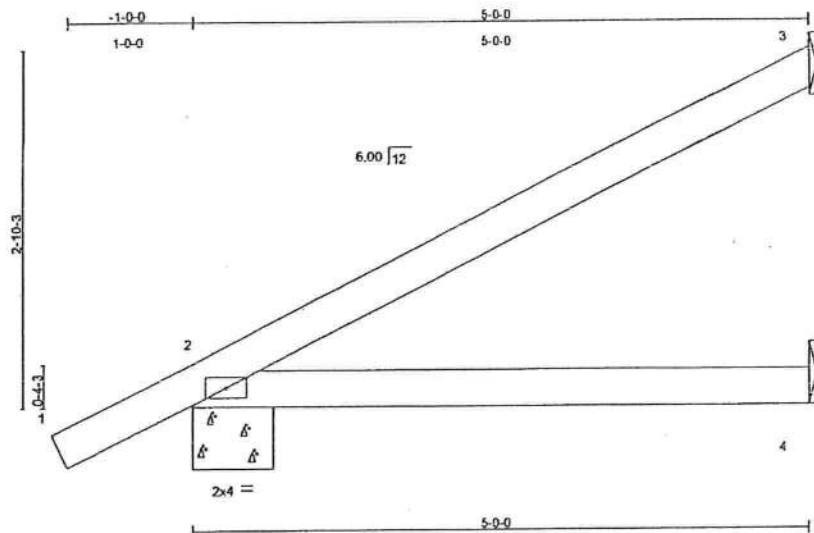
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ENGINEERING BY
TRENCO
A MITek Affiliate

818 Soundside Road
Edenboro, NC 27532

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530671
AUSTIN	J1	JACK	8	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						

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Scale = 1:16.6

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.18	Vert(LL)	-0.02	2-4	>990	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.20	Vert(TL)	-0.06	2-4	>937	180		
BCCL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2004/TP12002		(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=96/Mechanical, 2=272/0-8-0, 4=92/Mechanical
Max Horz 2=136(LC 6)
Max Uplift 3=91(LC 6), 2=114(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/21, 2-3=72/36
BOT CHORD 2-4=0/0

NOTES (5)

- 1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=8.0psf; 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) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 91 lb uplift at joint 3 and 114 lb uplift at joint 2.
- 5) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 3 and 4.

LOAD CASE(S) Standard

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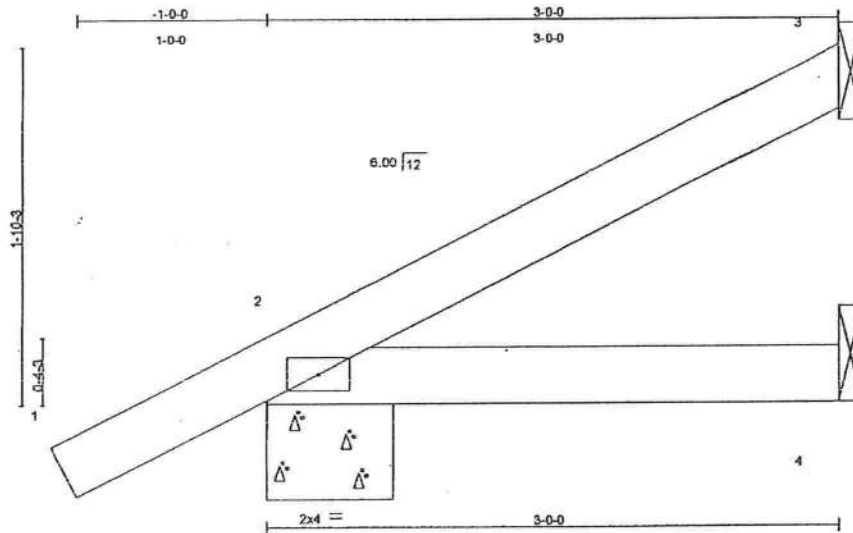
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE M1-1473 BEFORE USE.
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ENGINEERING BY
TRENCO
A Mitek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530672
AUSTIN	J2	JACK	8	1	Job Reference (optional)	

Maranda Homes Inc., Sanford, FL

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Scale = 1:10.8

LOADING (psf)	SPACING	CSI	DEFL	In	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase 1.25	TC 0.15	Vert(LL)	-0.00	2-4	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.06	Vert(TL)	-0.01	2-4	>999	180		
BCCL 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=194/0-8-0, 4=52/Mechanical
Max Horz 2=95(LC 6)
Max Uplift 3=37(LC 6), 2=113(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/21, 2-3=39/15
BOT CHORD 2-4=0/0

NOTES (5)

- 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) Refer to glider(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 37 lb uplift at joint 3 and 113 lb uplift at joint 2.
- 5) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 3 and 4.

LOAD CASE(S) Standard

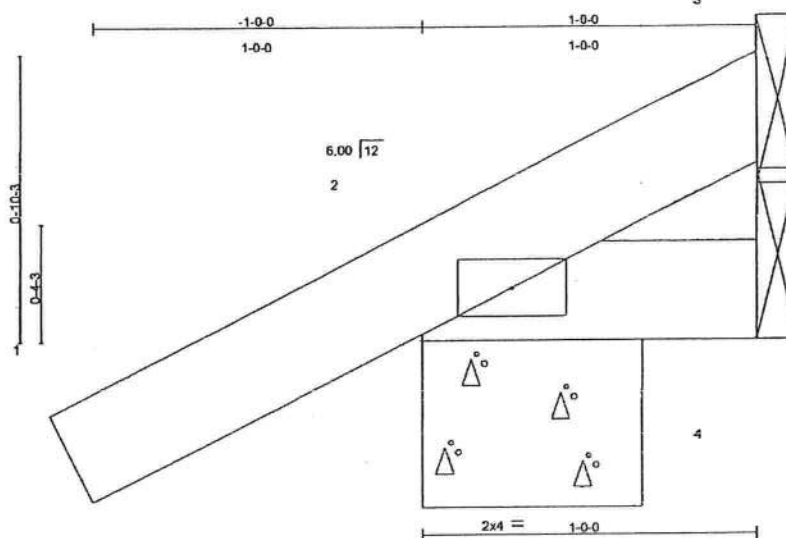
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ENGINEERING BY
TRENCO
A Mitek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530673
AUSTIN	J9	JACK	8	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						

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Scale = 1/6.2

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

REACTIONS (lb/size) 2=124/0-8-0, 4=18/Mechanical, 3=11/Mechanical
Max Horz 2=54(LC 6)
Max Uplift 2=116(LC 6), 3=11(LC 1)
Max Grav 2=124(LC 1), 4=18(LC 1), 3=27(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/21, 2-3=27/28
BOT CHORD 2-4=0/0

NOTES (5)

- 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) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 116 lb uplift at joint 2 and 11 lb uplift at joint 3.
- 5) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 3 and 4.

LOAD CASE(S) Standard

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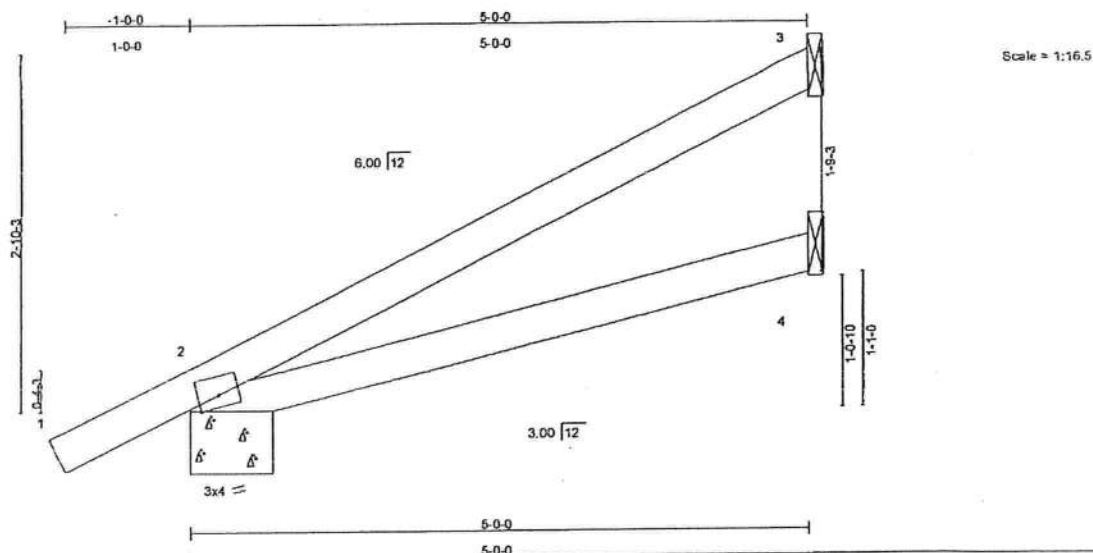


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ENGINEERING BY
TRENCO
A Mitek Affiliate

818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530063
AUSTIN	J61	SPECIAL	2	1	Job Reference (optional)	
Meranda Homes Inc., Sanford, FL						
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LOADING (psf)	SPACING 2-0-0	CSI	DEFL	In (loc)	I/def	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase 1.25	TC 0.18	Vert(LL)	-0.02	2-4	>999	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.20	Vert(TL)	-0.06	2-4	>909		
BCLL 10.0	Rep Stress Incr YES	WB 0.00	Horz(TL)	-0.00	3	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=96/Mechanical, 2=272/0-8-0, 4=92/Mechanical
Max Horz 2=134(LC 6)
Max Uplift 3=93(LC 6), 2=111(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/18, 2-3=-75/37
BOT CHORD 2-4=-18/18

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 grp 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) Refer to girder(s) for truss to truss connections.
- 4) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 93 lb uplift at joint 3 and 111 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

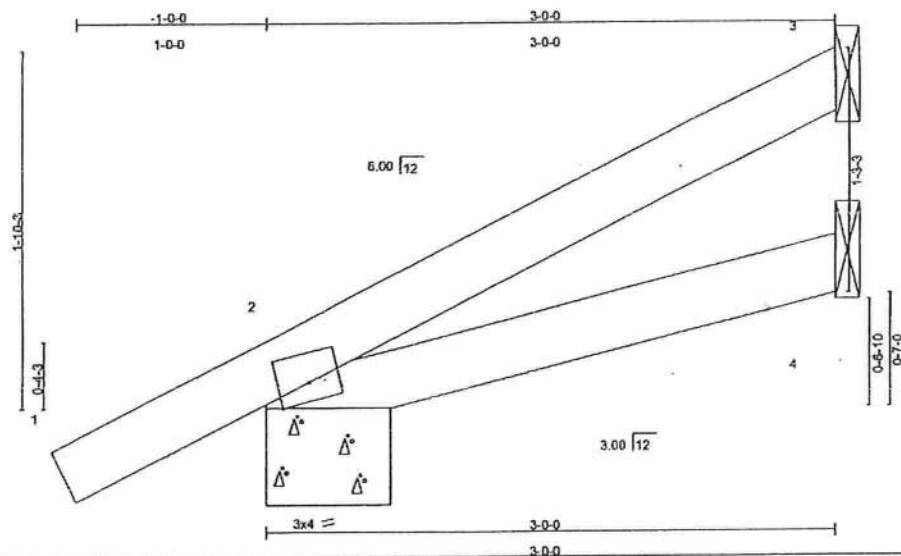
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November 21, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITK REFERENCE PAGE NII-7473 BEFORE USE.
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ENGINEERING BY
TRENCO
A Mitek Alliance

818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530684
AUSTIN	J52	SPECIAL	2	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						
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LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	V/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.15	Vert(LL)	-0.00	2-4	>999	240	MT20
TCCL 7.0	Lumber Increase	1.25	BC 0.06	Vert(TL)	-0.01	2-4	>999	180	244/190
BCCL 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=43/Mechanical, 2=194/0-8-0, 4=52/Mechanical
Max Horz 2=93(LC 6)
Max Uplift 3=40(LC 6), 2=110(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/18, 2-3=40/16
BOT CHORD 2-4=10/10

NOTES (6)

- 1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCCL=4.2psf; BCCL=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) Refer to girder(s) for truss to truss connections.
- 4) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 40 lb uplift at Joint 3 and 110 lb uplift at Joint 2.
- 6) Attach with (2) 18d Common Toe-Nails (0.162"x3.5") at joints 3 and 4.

LOAD CASE(S) Standard

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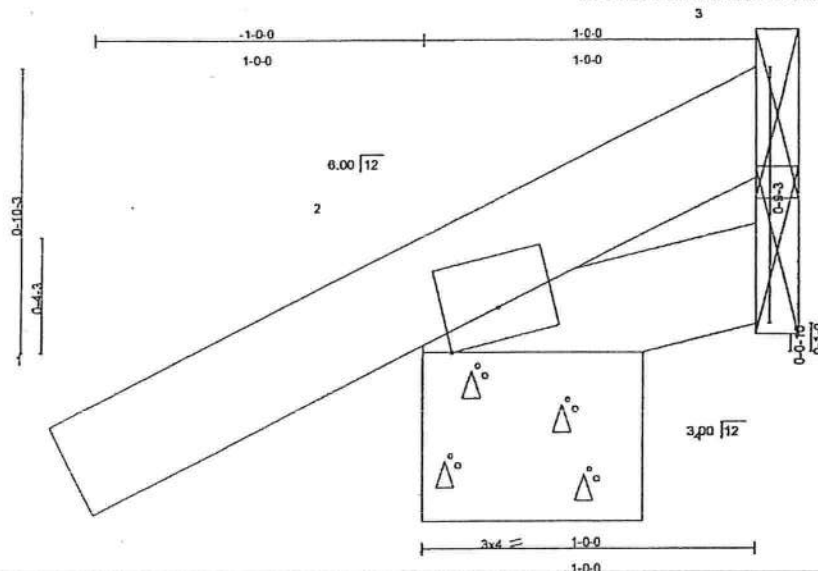
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGES PRIOR TO USE.
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ENGINEERING BY
TRENCO
A Mitek Affiliate

818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530885
AUSTIN	JS3	SPECIAL	2	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						

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Scale = 1/8" = 1'-0"

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 18.0	Plates Increase	1.25	TC 0.10	Vert(LL)	-0.00	2	>999	240	
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 purtins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS

(lb/size) 2=124/0-8-0, 4=18/Mechanical, 3=11/Mechanical
Max Horz 2=51(LC 6)
Max Uplift 2=108(LC 6), 3=11(LC 1)
Max Grav 2=124(LC 1), 4=18(LC 1), 3=18(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/15, 2-3=32/24
BOT CHORD 2-4=4/4

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) Refer to girder(s) for truss to truss connections.
- 4) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 108 lb uplift at joint 2 and 11 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

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ENGINEERING BY
TRENCO
A MITek Affiliate

818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530646
AUSTIN	CGRD1	HIP	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, FL

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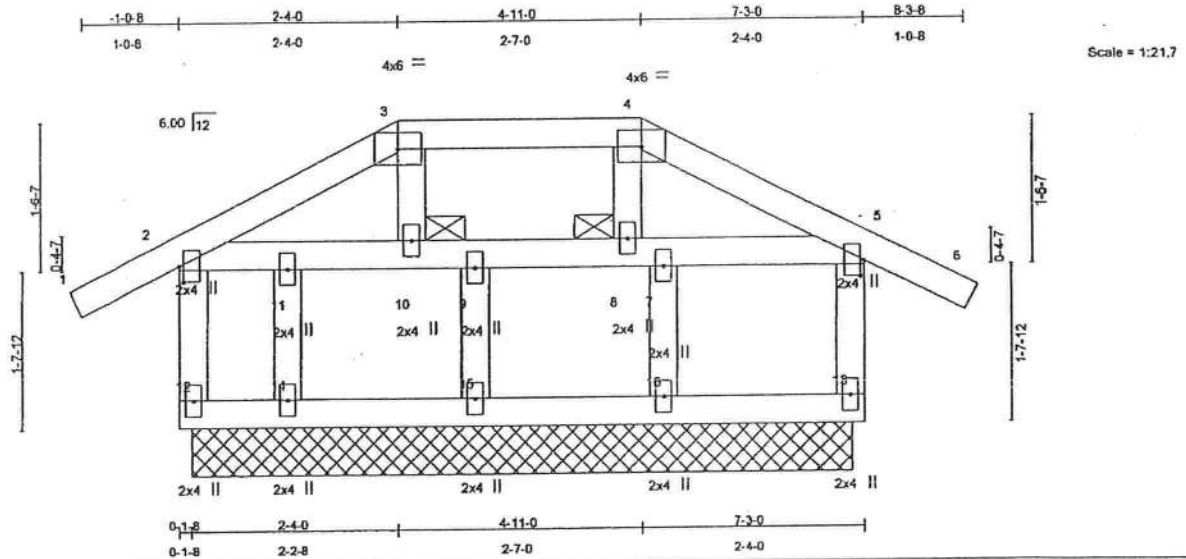


Plate Offsets (X,Y): [2-0-2-0-0-0-8], [5-0-2-0-0-0-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.08	Vert(LL)	0.00	5-6	n/r	120	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.46	Vert(TL)	-0.00	5-6	n/r	120		
BCLL 10.0	Rep Stress Incr	NO	WB 0.05	Horz(TL)	-0.00	13	n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 50 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.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.
JOINTS 1 Brace at Jt(s): 10, 8

REACTIONS (lb/size) 12=158/7-0-0, 13=158/7-0-0, 14=67/7-0-0, 15=159/7-0-0, 16=159/7-0-0
Max Horz 12=43(LC 5)
Max Uplift 12=364(LC 7), 13=-117(LC 8), 14=-376(LC 8), 15=-88(LC 7), 16=-45(LC 7)
Max Grav 12=228(LC 6), 13=159(LC 10), 14=391(LC 5), 15=187(LC 10), 16=170(LC 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/21, 2-3=-78/97, 3-4=-53/102, 4-5=-97/101, 5-6=0/21
BOT CHORD 2-11=68/118, 10-11=-64/114, 9-10=-64/120, 8-9=-64/120, 7-8=-63/115, 5-7=-63/114
WEBS 3-10=-84/65, 4-8=-83/67, 12-14=-20/15, 14-15=-20/15, 15-16=-20/15, 13-16=-20/15, 2-12=-230/367, 11-14=-391/376,
9-15=-187/88, 7-16=-170/45, 5-13=-160/118

NOTES

- Unbalanced roof live loads have been considered for this design.
- 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.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 364 lb uplift at joint 12, 117 lb uplift at joint 13, 376 lb uplift at joint 14, 88 lb uplift at joint 15 and 45 lb uplift at joint 16.
- Non Standard bearing condition. Review required.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 37 lb down and 11 lb up at 2-4-0, and 37 lb down and 11 lb up at 4-11-0 on top chord, and 3 lb up at 2-4-0, and 3 lb up at 4-11-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 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

- Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=46, 3-4=46, 4-6=46, 2-5=40
Concentrated Loads (lb)
Vert: 3=11(F) 4=11(F) 10=3(F) 8=3(F)

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November 21, 2007

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THE TRENCO
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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4595117
AUSTIN	JGRD2	JACK	2	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, Florida						
7,020 s Nov 9 2007 MTEK Industries, Inc. Thu Jan 03 16:55:15 2008 Page 1						

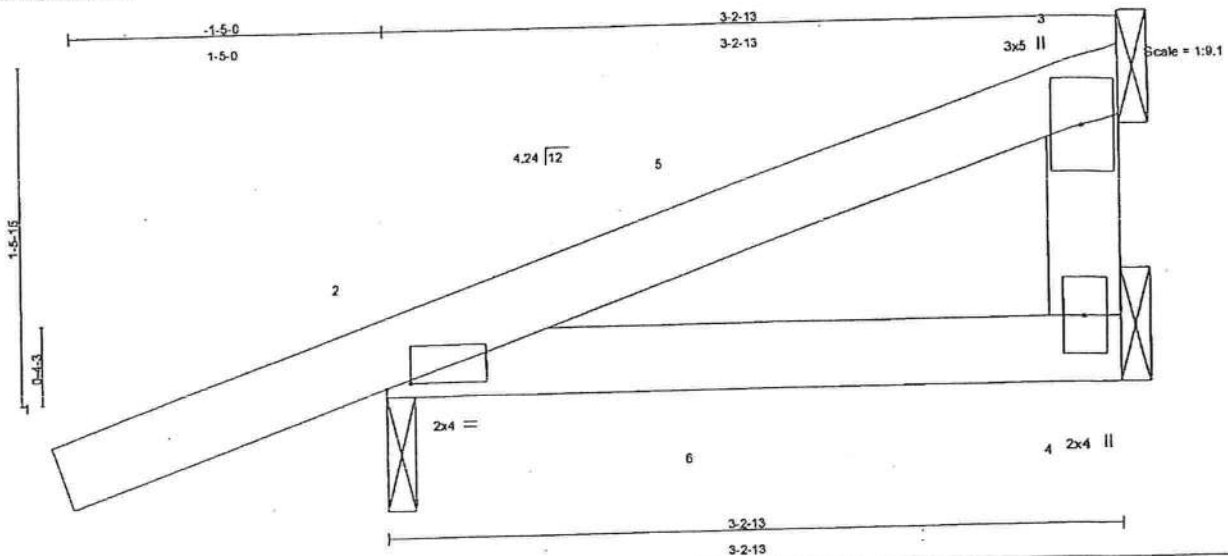


Plate Offsets (X,Y): 12.0-1-4.0-0-4

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.12	Vert(LL)	0.01	2-4	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.04	Vert(TL)	-0.00	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: 14 lb

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-2-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS

(lb/size) 3=52/Mechanical, 2=196/0-1-8, 4=40/Mechanical
Max Horz 2=78(LC 3)
Max Uplift 3=15(LC 8), 2=160(LC 7), 4=31(LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension

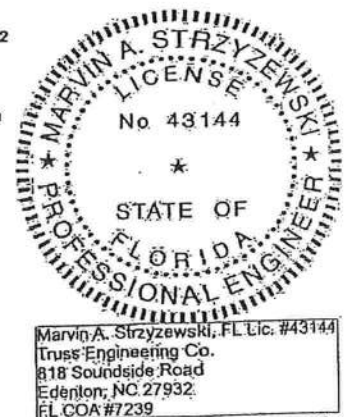
TOP CHORD 1-2=0/21, 2-5=39/0, 3-5=10/13
BOT CHORD 2-6=0/0, 4-6=0/0
WEBS 3-4=0/0

NOTES (9)

- 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) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 2.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 15 lb uplift at joint 3, 160 lb uplift at joint 2 and 31 lb uplift at joint 4.
- 6) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 48 lb down at 1-6-1, and 48 lb down at 1-6-1 on top chord, and 22 lb up at 1-6-1, and 22 lb up at 1-6-1 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).
- 9) 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=43(F=22, B=22)

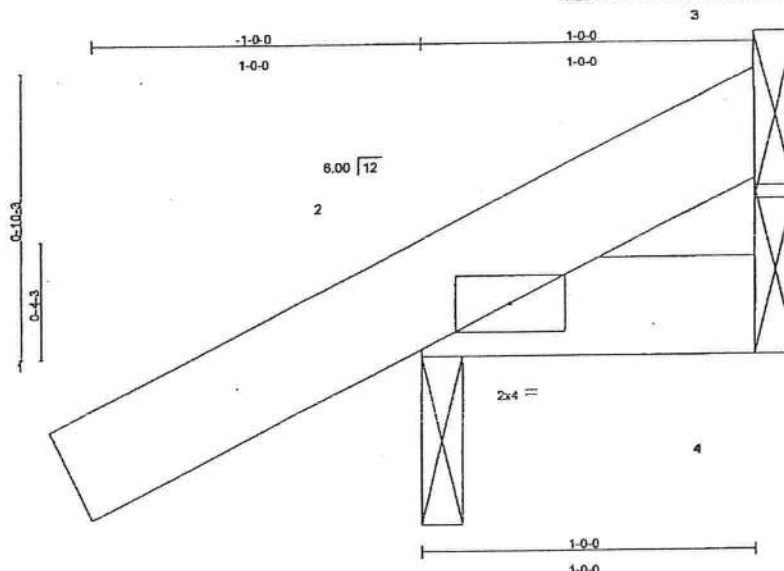


January 4, 2008

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

Job	Truss	Truss Type	Oly	Ply	AUSTIN_FL_125	E4505119
AUSTIN	J3A	JACK	4	1	Job Reference (optional)	
Merande Homes Inc., Sanford, Florida						
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Scale = 1/6.2

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

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/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=119/0-1-8, 4=20/Mechanical, 3=5/Mechanical

Max Horz 2=54(LC 6)
Max Uplift 2=123(LC 6), 4=10(LC 4), 3=5(LC 1)
Max Grav 2=119(LC 1), 4=20(LC 1), 3=20(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/21, 2-3=24/9
BOT CHORD 2-4=0/0

NOTES (6)

- 1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCCL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 2.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 123 lb uplift at joint 2, 10 lb uplift at joint 4 and 5 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, F.L.E. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

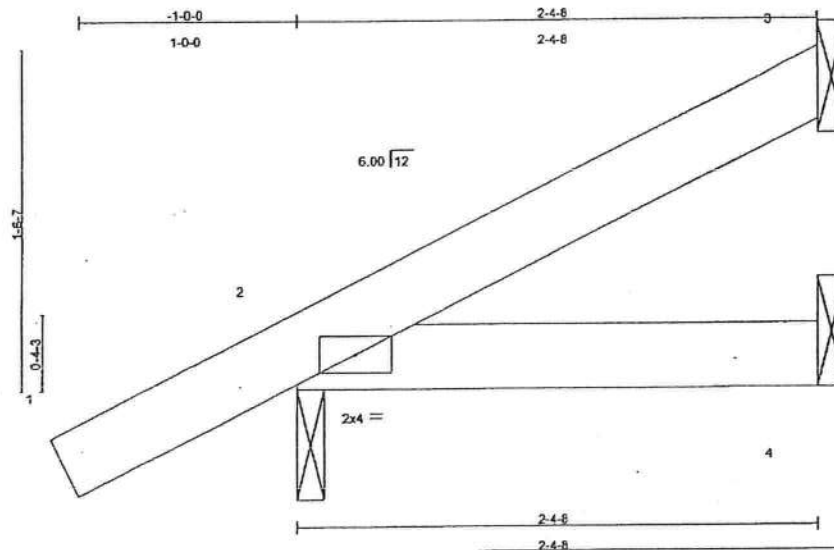
January 4, 2008

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ENGINEERING BY
TRENCO
A Mitek Alliance

818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4505118
AUSTIN	J4	MONO TRUSS	3	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, Florida			7.020 s Nov 9 2007 Mitek Industries, Inc. Thu Jan 03 16:55:15 2008 Page 1			



Scale = 1:9.4

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)	0.01	2-4	>999	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.06	Vert(TL)	-0.00	2-4	>999		
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	3	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 2-4-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=39/Mechanical, 2=162/0-1-8, 4=45/Mechanical
Max Horz 2=82(LC 6)
Max Uplift 3=31(LC 6), 2=131(LC 6), 4=23(LC 4)

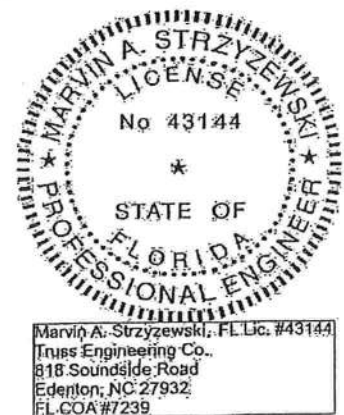
FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/21, 2-3=50/13
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 Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 2.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 31 lb uplift at joint 3, 131 lb uplift at joint 2 and 23 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



January 4, 2008

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

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4595116
AUSTIN	C1	SPECIAL	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, Florida						7,020 s Nov 9 2007 Mitek Industries, Inc. Thu Jan 03 16:55:13 2008 Page 1

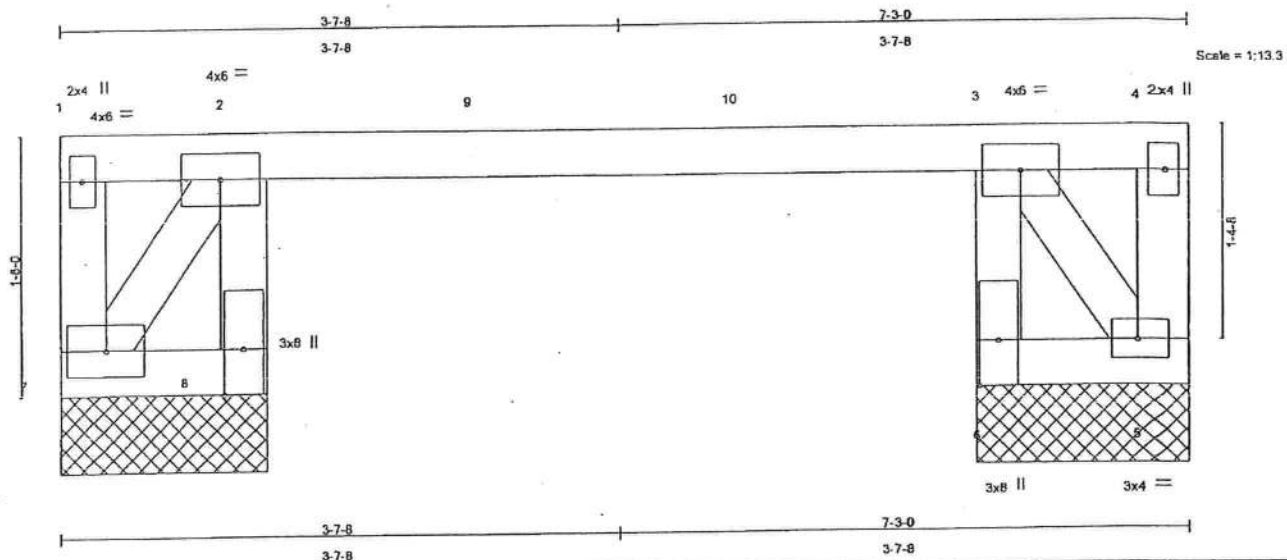


Plate Offsets (X,Y): [8-0-3-8-0-1-8]									
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.84	Vert(LL)	-0.00	6	>999	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.01	Vert(TL)	-0.00	6	>999		
BCLL 10.0	Rep Stress Incr	NO	WB 0.11	Horz(TL)	0.01	5	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)						Weight: 25 lb

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 7-3-0 oc purtins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 7=157/1-4-0, 5=136/1-4-0, 8=1102/1-4-0, 6=1295/1-4-0
Max Uplift 7=157(LC 1), 5=136(LC 1), 8=641(LC 3), 6=713(LC 3)
Max Grav 7=106(LC 3), 5=112(LC 3), 8=1102(LC 1), 6=1295(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-7=106/157, 1-2=0/0, 2-9=0/0, 9-10=0/0, 3-10=0/0, 3-4=0/0, 4-5=106/157
BOT CHORD 5-6=0/0
WEBS 2-8=1102/641, 3-6=1102/641, 7-8=0/0, 2-7=0/0, 3-5=0/0

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) gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
- 2) Provide adequate drainage to prevent water ponding.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 157 lb uplift at joint 7, 136 lb uplift at joint 5, 641 lb uplift at joint 8 and 713 lb uplift at joint 6.
- 5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 119 lb down and 54 lb up at 1-1-5, 119 lb down and 54 lb up at 6-1-11, 172 lb down and 78 lb up at 2-9-7, 172 lb down and 78 lb up at 4-5-9, 119 lb down and 54 lb up at 1-1-5, 119 lb down and 54 lb up at 6-1-11, 172 lb down and 78 lb up at 4-5-9, 172 lb down and 78 lb up at 2-9-7, and 203 lb down and 92 lb up at 0-1-12, and 203 lb down and 92 lb up at 7-1-4 on top chord, and 172 lb down and 78 lb up at 2-9-7, and 172 lb down and 78 lb up at 4-5-9 on bottom 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) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=46, 5-6=40
Concentrated Loads (lb)
Vert: 1=203 4=203 2=238(F=119) 6=172 3=238(F=119) 9=344(F=172) 10=344(F=172)



Marvin A. Strzyzewski, F.L.E.C. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

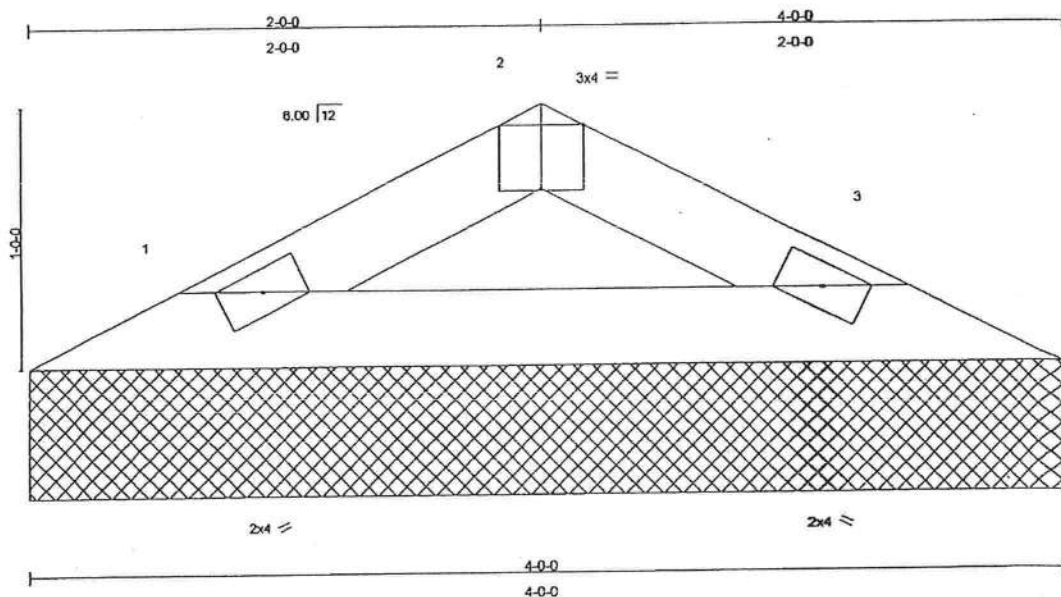
January 4, 2008

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MD-7473 BEFORE USE.
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Job	Truss	Truss Type	Oly	Ply	AUSTIN_FL_125	E4530701
AUSTIN	V1	VALLEY	2	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						

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Scale: 1.5"=1'

Plate Offsets (X,Y): [2-0-2-0,Edge]								PLATES	GRIP
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	I/defl	L/d	MT20	244/190
TCLL 16.0	Plates Increase	1.25	TC 0.03	Vert(LL)	n/a	-	n/a		
TCDL 7.0	Lumber Increase	1.25	BC 0.08	Vert(TL)	n/a	-	n/a		
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	0.00	3	n/a		
BCDL 10.0	Code FBC2004/TP12002		(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 4-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=119/4-0-0, 3=119/4-0-0
Max Horz 1=11(LC 4)
Max Uplift 1=22(LC 6), 3=22(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=82/69, 2-3=82/69
BOT CHORD 1-3=42/64

NOTES

- Unbalanced roof live loads have been considered for this design.
- 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.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Gable requires continuous bottom chord bearing.
- WARNING: Top chord roof live load is below minimum required by ASCE 7. The building design professional for the overall structure to verify adequacy of top chord live load.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 22 lb uplift at joint 1 and 22 lb uplift at joint 3.

LOAD CASE(S) Standard

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November 21, 2007

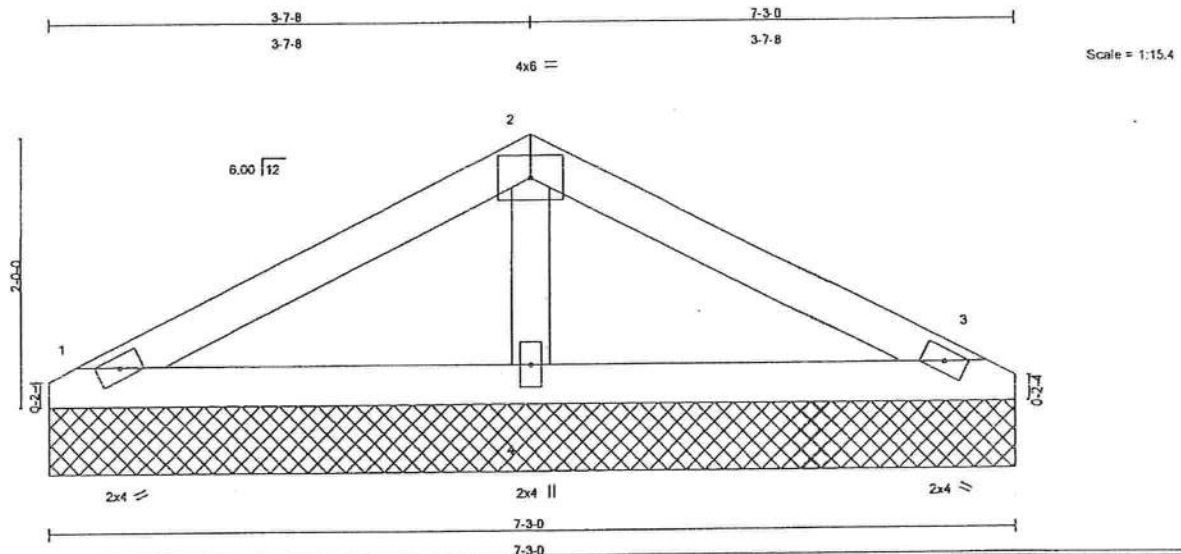


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815 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530712
AUSTIN	V2	VALLEY	1	1	Job Reference (optional)	
Meranda Homes Inc., Sanford, FL						
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LOADING (psf)	SPACING	2'-0"	CSI	DEFL	In	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.12	Vert(LL)	n/a	-	n/a	99B	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.11	Vert(TL)	n/a	-	n/a	99B		
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: 24 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

REACTIONS (lb/size) 1=136/7-3-0, 3=136/7-3-0, 4=310/7-3-0
Max Horz 1=-28(LC 4)
Max Uplift 1=-44(LC 6), 3=-49(LC 7), 4=-21(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-44/39, 2-3=-44/38
BOT CHORD 1-4=-2/18, 3-4=-2/18
WEBS 2-4=-141/112

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 44 lb uplift at joint 1, 49 lb uplift at joint 3 and 21 lb uplift at joint 4.

LOAD CASE(S) Standard

BRACING

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

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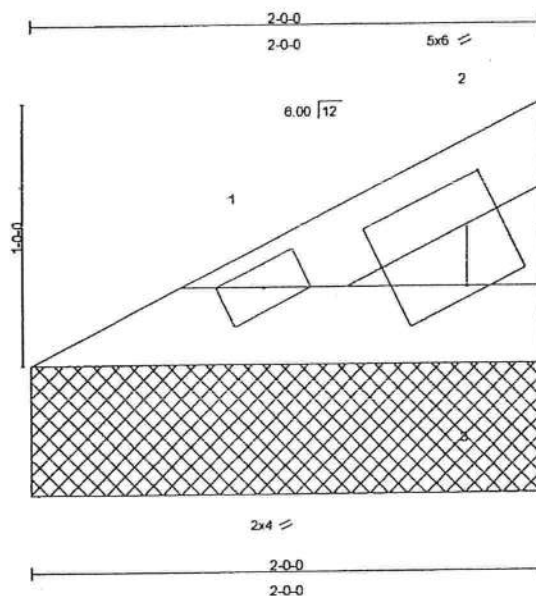
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Edenton, NC 27832

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530714
AUSTIN	V3	VALLEY	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, FL

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Scale: 1.5"=1'

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

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/def	L/d	PLATES	GRIP
TCLL 18.0	Plates Increase	1.25	TC 0.01	Vert(LL)	n/a	-	n/a	999	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.01	Vert(TL)	n/a	-	n/a	999	
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	0.00	-	n/a	n/a	
BCDL 10.0	Code FBC2004/TP12002		(Matrix)						Weight: 6 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 2-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS

(lb/size) 1=39/2-0-0, 3=39/2-0-0
Max Horiz 1=26(LC 6)
Max Uplift 1=1(LC 6), 3=18(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-21/9, 2-3=-21/30
BOT CHORD 1-3=0/0

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) Gable requires continuous bottom chord bearing.
- 4) WARNING: Top chord roof live load is below minimum required by ASCE 7. The building design professional for the overall structure to verify adequacy of top chord live load.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1 lb uplift at joint 1 and 18 lb uplift at joint 3.

LOAD CASE(S) Standard

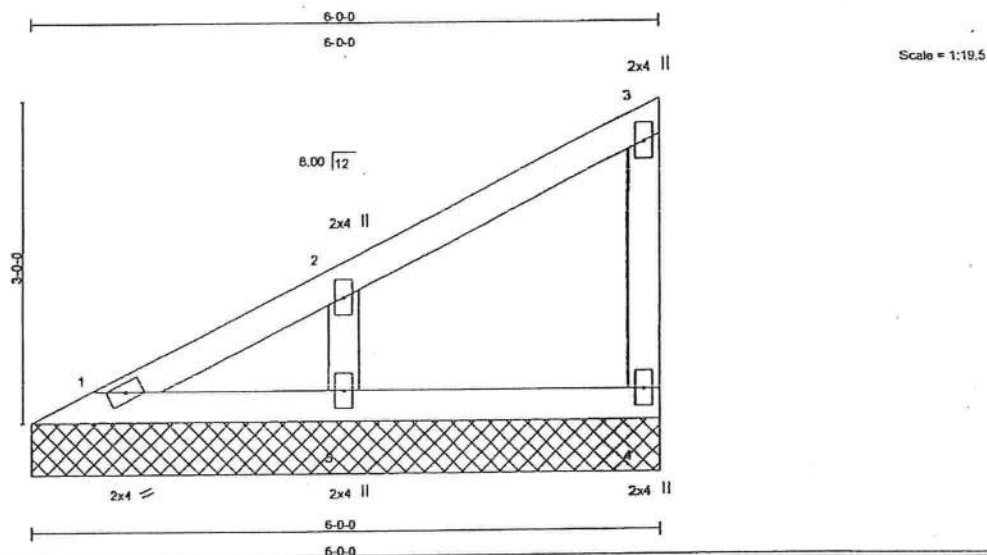
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Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530718
AUSTIN	VS	VALLEY	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						7.020 s Nov 9 2007 MITek Industries, Inc. Wed Nov 21 08:44:25 2007 Page 1



LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.08	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	YES	WB 0.03	Horz(TL)	0.00	-	n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 23 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2
 WEBS 2 X 4 SYP No.2
 OTHERS 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) 1=71/6-0-0, 4=98/6-0-0, 5=283/6-0-0
 Max Horz 1=109(LC 6)
 Max Uplift 4=35(LC 6), 5=103(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=128/32, 2-3=39/17, 3-4=52/62
 BOT CHORD 1-5=0/0, 4-5=0/0
 WEBS 2-5=151/182

NOTES

- 1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=0.0psf; 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) Gable requires continuous bottom chord bearing.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 35 lb uplift at joint 4 and 103 lb uplift at joint 5.

LOAD CASE(S) Standard

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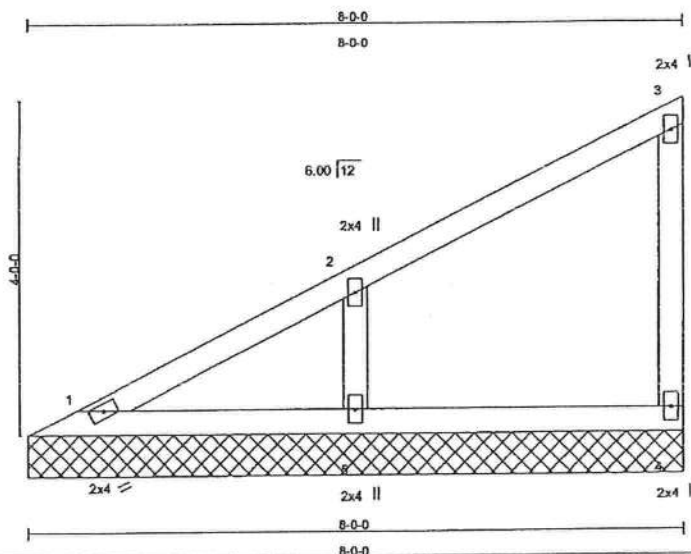


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Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530717
AUSTIN	VE	VALLEY	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						7.020 s Nov 9 2007 Mitek Industries, Inc. Wed Nov 21 08:44:25 2007 Page 1



Scale = 1:24.9

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.13	Vert(TL)	n/a	-	n/a	999		
BCLL 10.0	Rep Stress Incr	YES	WB 0.04	Horz(TL)	0.00	-	n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)							
										Weight: 31 lb

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.2
OTHERS 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) 1=103/8-0-0, 4=129/8-0-0, 5=390/8-0-0
Max Horz 1=150(LC 6)
Max Uplift 4=47(LC 6), 5=142(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-171/45, 2-3=-51/23, 3-4=-69/81
BOT CHORD 1-5=0/0, 4-5=0/0
WEBS 2-5=-209/245

NOTES

- 1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCCL=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) Gable requires continuous bottom chord bearing.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 47 lb uplift at joint 4 and 142 lb uplift at joint 5.

LOAD CASE(S) Standard

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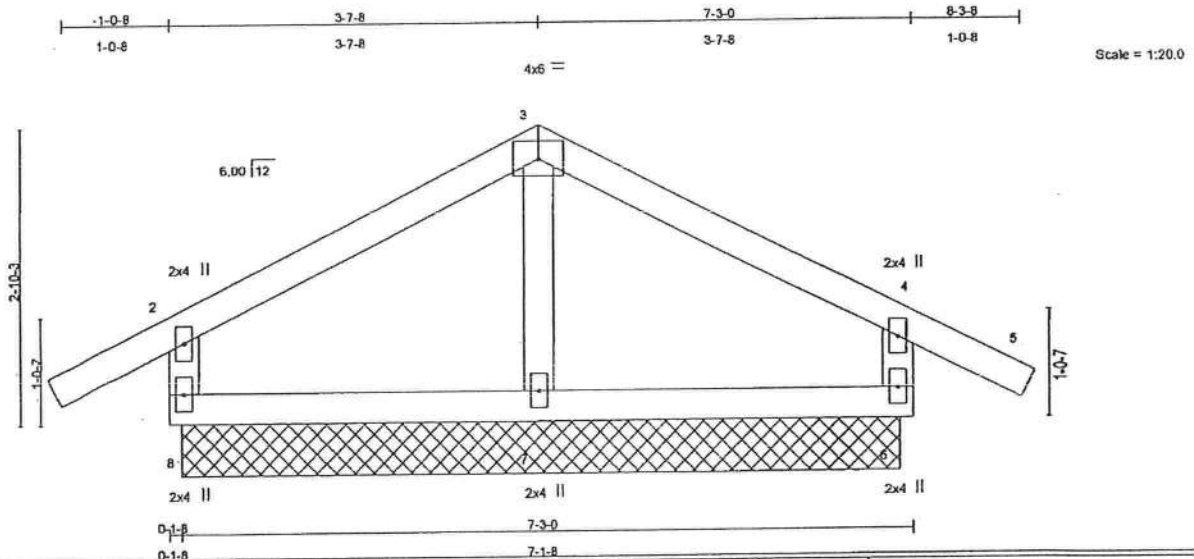
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ENGINEERING BY
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Edenton, NC 27932

Job	Truss	Truss Type	Oly	Ply	AUSTIN_FL_125	E4530706
AUSTIN	VI4	GABLE	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						

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LOADING (psf)	SPACING	2-0-0	CS!	DEFL	in	(loc)	U/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.14	Vert(LL)	0.00	4	n/r	120	MT20	244/190
TCOL 7.0	Lumber Increase	1.25	BC 0.07	Vert(TL)	-0.00	4	n/r	120		
BCLL 10.0	Rep Stress Incr	YES	WB 0.01	Horz(TL)	0.00	6	n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)						Weight: 32 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
OTHERS 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) 8=226/7-0-0, 6=226/7-0-0, 7=261/7-0-0
Max Horz 8=56(LC 6)
Max Uplift 8=123(LC 6), 6=126(LC 7), 7=10(LC 6)
Max Grav 8=228(LC 10), 6=228(LC 11), 7=261(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/26, 2-3=-90/64, 3-4=-90/64, 4-5=0/26, 2-6=-164/222, 4-6=-164/222
BOT CHORD 7-8=-11/58, 8-7=-11/58
WEBS 3-7=-113/90

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCCL=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.
 - 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.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 4-0-0 oc.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 123 lb uplift at joint 8, 126 lb uplift at joint 6 and 10 lb uplift at joint 7.
 - Non Standard bearing condition. Review required.

LOAD CASE(S) Standard

This document was originally issued by Lassiter, Frank on November 21, 2007. This is not considered a sealed document. Official sealed drawings are available upon request from the manufacturer indicated above. November 21, 2007

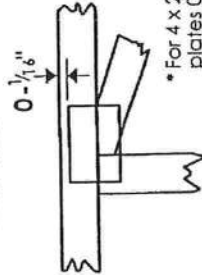
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED NOTE REFERENCE PAGE MD-7473 BEFORE USE.
Design void for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation 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/TPI Quality Criteria, D58-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Oroville Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A Mitek Affiliate
818 Soundside Road
Edenboro, NC 27632

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 0-1/8" 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

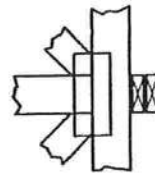
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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



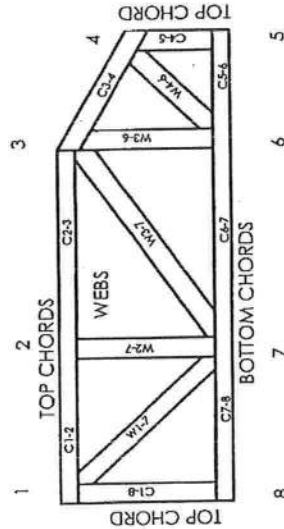
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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

Numbering System

6-4-8 dimensions shown in ft-in-sixteenths (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, ESR-5243, 96048
9730, 95-43, 96-31, 9667A
NER-487, NER-561
95110, 84-32, 96-67, ER-3907, 9432A

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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 BCS11.
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.

27518

FIELD DENSITY WORKSHEET

CLIENT MARUHA HOMES DATE 10 DEC 08
JOB # 9TMD2801
 PROJECT NAME TIMBERLAKE Lot # 28 PROJECT NO. _____
 EARTH CONTRACTOR 252 SW MULBERRY DR. PERMIT NO. _____
 COMPACTION REQUIREMENT (%) 95% ☐ Standard Proctor TESTED BY JNL
☒ Modified Proctor PATRICIA FIELD CONTACT
 TOTAL ON-SITE TIME _____ MILES FROM OFFICE _____
☐ Limerock ☐ Subgrade ☐ Pipe Backfill ☒ Building Pad ☐ Building Footing ☐ Other _____

TEST LOCATION	LAB PROCTOR		TEST DEPTH	PROBE DEPTH	% MOIST.	WET DENSITY (PCF)	DRY DENSITY (PCF)	% COMP.
	DENS.	OMC						
COR. OF PAD	105.8	10.7	FT	12"	4.6	106.5	101.8	96.2
COR. OF N. FTL	L	L	L	L	5.2	106.1	100.8	95.3
COR. OF S. FTL	L	L	L	L	5.0	105.5	100.5	95.0

REMARKS _____

- * Density failed to meet minimum project requirement
- ** Retest indicates minimum density requirement was obtained.
- () Client is aware of unsatisfactory test results.

COLUMBIA COUNTY OFFICE 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-16-02856-128

Building permit No. 000027518

Use Classification SFD, UTILITY

Fire: 44.94

Permit Holder THEODORE BROCK

Waste: 117.25

Owner of Building MARONDA HOMES

Total: 162.19

Location: 252 SW MULBERRY DR., LAKE CITY, FL

Date: 03/23/2009

Wayne A. Ruse

Building Inspector



POST IN A CONSPICUOUS PLACE
(Business Places Only)