

DATE 10/03/2008

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT

000027399

APPLICANT PATRICK WILSON PHONE 904-296-1490
ADDRESS 6800 SOUTHPOINT PRKWY # 300 JACKSONVILLE FL 32216
OWNER MARONDA HOMES INC OF FLORIDA PHONE 904-296-1490
ADDRESS 389 SW MULBERRY DRIVE LAKE CITY FL 32025
CONTRACTOR THEODORE BROCK PHONE 904-296-1490
LOCATION OF PROPERTY 90 W, L 247, R 252 B, L TIMBER RIDE DR, L ON SW MULBERRY DR
2ND LOT ON LEFT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 153050.00
HEATED FLOOR AREA 2236.00 TOTAL AREA 3061.00 HEIGHT 16.00 STORIES 1
FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB
LAND USE & ZONING RSF-2 MAX. HEIGHT 35
Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00
NO. EX.D.U. 0 FLOOD ZONE XPP DEVELOPMENT PERMIT NO. _____

PARCEL ID 10-4S-16-02856-139 SUBDIVISION TIMBERLANDS
LOT 39 BLOCK 1 PHASE _____ UNIT _____ TOTAL ACRES 0.50

000001675 CBC1256382
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
CULVERT 08-0596 BK WR N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE, MFE SET @ 95.0' PER S/D PLAT, NEED ELEVATION CONFIRMATION

LETTER AT SLAB

Check # or Cash 938129

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$ 770.00 CERTIFICATION FEE \$ 15.30 SURCHARGE FEE \$ 15.30
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$ _____
FLOOD DEVELOPMENT FEE \$ _____ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ 25.00 TOTAL FEE 900.60
INSPECTORS OFFICE L. Hodson CLERKS OFFICE CH

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

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

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

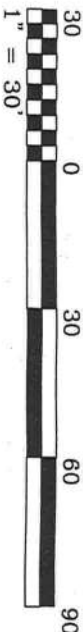
LEGAL DESCRIPTION:
LOT THIRTY-NINE (39) OF "TIMBERLANDS", PHASE 1,
AS PER PLAT THEREOF, AS RECORDED IN PLAT
BOOK "9", PAGES 26-27 OF THE PUBLIC RECORDS
OF COLUMBIA COUNTY, FLORIDA.



PROPOSED BUILDING LAYOUT

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

S.W. MULBERRY DRIVE
60' RIGHT-OF-WAY



CERTIFIED TO:

1) MARONDA HOMES

BUILDING SETBACK NOTE:

BUILDING SETBACK INFORMATION FOR
"TIMBERLANDS" IS AS FOLLOWS: FRONT 25',
REAR 15', SIDE 10'

CURVE TABLE:

CURVE	RADIUS	TANGENT	LENGTH	DELTA	CHORD	CHORD BEARING
C25(P)	200.00'	17.39'	34.70'	9°56'26.9"	34.66'	N 47°51'20" E

SURVEYOR NOTES:

- 1) TO THE BEST OF MY KNOWLEDGE, THERE ARE NO ENCROACHMENTS, BOUNDARY LINE DISPUTES, EASEMENTS, OR CLAIMS OF EASEMENTS, OTHER THAN ARE DEPICTED ON THIS DRAWING.
- 2) ALL UTILITIES AND/OR IMPROVEMENTS, IF ANY, MAY NOT BE SHOWN ON THIS DRAWING.
- 3) IN THE OPINION OF THIS SURVEYOR, THE BOUNDARY SHOWN HEREON BEST REPRESENTS THE LOCATION OF THE SUBJECT PROPERTY IN RELATION TO THE DESCRIPTION AND THOSE PROPERTY CORNERS FOUND TO BE ACCEPTABLE TO THIS SURVEYOR.
- 4) BUILDING SETBACK LINES DEPICTED HEREON ARE SHOWN AS PER THE RECORDED PLAT, BUT ARE SUBJECT TO CHANGE PRIOR TO ANY CONSTRUCTION. THE APPROPRIATE GOVERNING AUTHORITY SHOULD BE CONTACTED FOR THE CURRENT SETBACK REQUIREMENTS.
- 5) THIS MAP OF SURVEY REFLECTS CONDITIONS LOCATED AS OF THE DATE OF FIELD WORK COMPLETION (SEE TITLE BLOCK).
- 6) AREAS OF ENVIRONMENTAL CONCERN HAVE NOT BEEN LOCATED BY THIS SURVEYOR, UNLESS OTHERWISE DEPICTED HEREON.

BENCHMARK NOTE:

ELEVATIONS SHOWN HEREON ARE BASED UPON A BENCHMARK SET IN A 8" PINE AT THE FRONT OF LOT 2, WITH AN ELEVATION OF 98.78'. THIS INFORMATION WAS PROVIDED TO THIS SURVEYOR BY BRIT SURVEYING (PLATTING SURVEYOR) DATUM UNKNOWN.

FLOOD NOTE:

IN THE OPINION OF THIS SURVEYOR, ACCORDING TO THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 12000-1725, DATED 1-8-88, THIS PROPERTY IS IN FLOOD ZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE 500-YEAR FLOOD PLAIN. THIS INFORMATION IS BASED ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAPS, SHOWN ON THIS MAP, WAS CURRENT AS OF THE REFERENCED DATE. MAP REVISIONS AND AMENDMENTS ARE PERIODICALLY MADE BY LETTER AND MAY NOT BE REFLECTED ON THE MOST CURRENT MAP.

TITLE NOTE:

THIS SURVEY IS SUBJECT TO ANY FACTS THAT MAY BE DISCLOSED BY A FULL AND ACCURATE TITLE SEARCH. THIS SURVEYOR HAS NOT PERFORMED A SEARCH OF THE PUBLIC RECORDS, OR RESTRICTIONS THAT MAY EFFECT THIS PARCEL. THE PRESENCE OR ABSENCE OF ANY SUCH CLAIMS ARE NOT CERTIFIED HEREON.



- LEGEND:**
- = FOUND 1/2" REBAR NO IDENTIFICATION
 - = FOUND 1/2" REBAR & CAP
 - = FOUND 1/2" REBAR & CAP
 - = SET 1/2" REBAR & CAP
 - = FOUND 3/4" IRON PIPE
 - = FOUND 4" X 4" CONC. MON.
 - = NO IDENTIFICATION
 - = SET 4" X 4" CONC. MON.
 - = FOUND 4" X 4" DISK P.S.M. 5582
 - = FOUND NAIL & DISK
 - = FOUND 6" X 8" S.R.D.
 - = R/W MON.
 - = CATV RISER
 - = TELEPHONE PEDESTAL
 - = WOOD POWER POLE
- ABBREVIATIONS:**
- A/C = AIR CONDITIONER
 - ASPH = ASPHALT
 - CATV = CABLE TELEVISION
 - C/B = CONCRETE BLOCK
 - CLF = CHAIN LINK FENCE
 - CM = CONCRETE MONUMENT
 - CONC = CONCRETE
 - ELEC = ELECTRIC
 - FND = FOUND
 - FNC = FENCE
 - LB = LICENSED SURVEYOR BUSINESS
 - M = FIELD MEASURED
 - MH = MANHOLE
 - O.U. = OVERHEAD UTILITIES
 - P = PLAT BOOK
 - PL = PLAT
 - PL & E = PLAT & EASEMENT
 - TRANS = TRANSFORMER
 - WM = WATER METER
 - WM = WATER VALVE

THIS IS NOT A BOUNDARY SURVEY CERTIFICATE OF SURVEYOR:

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER. ADDITIONS OR DELETIONS TO THIS MAP BY ANYONE OTHER THAN THIS SURVEYOR IS PROHIBITED.

HEREBY CERTIFY THAT THE SURVEY DATA SHOWN HEREON, IS A TRUE AND CORRECT REPRESENTATION OF A SURVEY PERFORMED UNDER MY SUPERVISION OF THE HEREON DESCRIBED PROPERTY, AND IT MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF LAND SURVEYORS, PURSUANT TO SECTION 472.027, FLORIDA STATUTES, AND CHAPTER 61017-6, FLORIDA ADMINISTRATIVE CODE.

BY:
JAMES E. BRINKMAN, P.S.M. - FLA. CERT# 5592
DATE: 8/14/08



BRINKMAN SURVEYING & MAPPING INC.

4607 NW 6th STREET SUITE C, GAINESVILLE, FL 32609
PHONE: (352) 374-7707 FAX: (352) 374-8757

SCALE: 1" = 30'
DATE: 8/14/08
FIELD WORK COMPLETED ON *** FIELDBOOK **, PAGE **
DRAWN BY: ZL
CHECKED BY: J.B.

PREPARED FOR: MARONDA
DRAWING NUMBER 168-08

COLUMBIA COUNTY BUILDING PERMIT APPLICATION 4938129 1675/

For Office Use Only Application # 0809-33 Date Received 9/17/08 By LH Permit # 27399
Zoning Official BLK Date 24.09.08 Flood Zone X pph Land Use Res. Low Den Zoning RSF-2
FEMA Map # N/A Elevation N/A MFE 95.08 River N/A Plans Examiner (u) Date 9/22/08
Comments Elevation Confirmation Letter Required at Slab
☒ NOC ☒ DEH ☐ 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 \$78.63 Corr \$409.16 Road/Code \$1,046.00 / 210
School \$1,500.00 = TOTAL \$3,063.67 Clc 9390/0

Septic Permit No. 08-0594 Fax (904) 332-1035
Name Authorized Person Signing Permit Theodore Brock / Patrick Wilson Phone (904) 290-1490
Address 6800 Southpoint Pkwy #300 Jacksonville, FL 32216
Owners Name Maronda Homes Inc. of Florida Phone (904) 290-1490
911 Address 389 SW Mulberry Drive Lake City, FL 32055
Contractors Name Theodore C. Brock Phone (904) 290-1490
Address 6800 Southpoint Pkwy #300 Jacksonville, FL 32216
Fee Simple Owner Name & Address N/A
Bonding Co. Name & Address N/A
Architect/Engineer Name & Address Thomas Ponce 4005 Maronda Way Sanford, FL 32711
Mortgage Lenders Name & Address Bank of America 250 Park Ave. S #400 Winter Park, FL 32789

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progress Energy
Property ID Number 10-4S-110-02856-139 Estimated Cost of Construction \$101,430.00
Subdivision Name Timberlands Lot 39 Block 1 Unit _____ Phase _____
Driving Directions Hwy 90, left on 247 South; Right on 252B; left on Timber Ridge Dr.,
T/L ON SW MULBERRY DRIVE, 2ND Lot on Left.

Number of Existing Dwellings on Property 0
Construction of Residential Single Family Dwelling Total Acreage 1/2 Lot Size ~27,200
Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height ~16.0
Actual Distance of Structure from Property Lines - Front 50.0' Side 40.0' Side 36.0' Rear 50.0'
Number of Stories 1 Heated Floor Area 2236 Total Floor Area 3001 Roof Pitch 12/6

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 (Permittee)

Theodore C. Brock

Contractor's License Number

CBC1256382

Columbia County

Competency Card Number

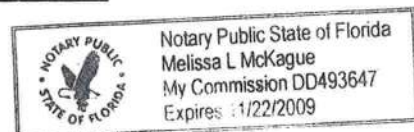
Affirmed under penalty of perjury to by the Contractor and subscribed before me this 11 day of July 2008.

Personally known X or Produced Identification

State of Florida Notary Signature (For the Contractor)

Melissa L. McKague

SEAL:



This Instrument Prepared by and Return to :

Amy Weap
SOUTHERN TITLE HOLDING
COMPANY, L.L.C.
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: 5/8/2008 Time: 1:05 PM
Doc Stamp-Deed: 6293.00
DC, P. DeWitt Caseon, Columbia County Page 1 of 1 8:1151 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 ~~\$40,000~~ 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 corporation.)

In Witness Whereof, the Grantor has caused these presents to be executed in its name, and its corporate seal to be hereunto attested, 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
Jody M. Goble

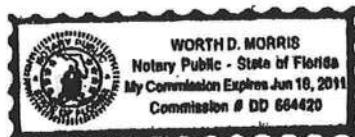
BY:

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



STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 08-0596

----- PART II - SITE PLAN -----

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

See Attached
Site Plan

Notes: _____

Site Plan submitted by: Patricia Wilson Signature

Agent Title

Plan Approved ☒ Not Approved ☐

Date 9/11/08

By Mr. O. Z. Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

NOTICE OF COMMENCEMENT

Tax Parcel Identification Number 10-4S-10-02850-139

County Clerk's Office Stamp or Seal

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): 3911 Timberlands
a) Street (job) Address: 389 SW Mulberry Drive
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:
4. Contractor Information
a) Name and address: Maronda Homes Inc of FL 10800 Southpoint Pkwy #300 Jax FL 32216
b) Telephone No.: (904) 296-1490 Fax No. (Opt.): (904) 332-0315
5. Surety Information
a) Name and address:
b) Amount of Bond:
c) Telephone No.: Fax No. (Opt.):
6. Lender
a) Name and address:
b) Phone No.:
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
a) Name and address: Southern Title Holding Co LLC 3945 Baymeadows Rd Jax FL 32217
b) Telephone No.: (904) 739-2205 Fax No. (Opt.):
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(l)(b), Florida Statutes:
a) Name and address:
b) Telephone No.: Fax No. (Opt.):
9. Expiration date of Notice of Commencement (the expiration date is one year from the date of recording unless a different date is specified):

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

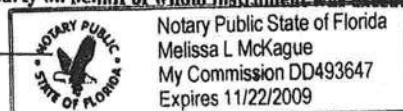
STATE OF FLORIDA
COUNTY OF COLUMBIA

10. J.C. DeWitt
Signature of Owner or Owner's Authorized Officer/Director/Partner/Manager
Theodore C. Brock
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 22 day of July, 2008, by:
Theodore C. Brock as V.P. of Construction (type of authority, e.g. officer, trustee, attorney)
fact for Maronda Homes Inc of Florida (name of party on behalf of whom instrument was executed).

Personally Known ☒ OR Produced Identification Type

Notary Signature Melissa L McKague 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.

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

Columbia County Building Department Culvert Permit

Culvert Permit No.
000001675

DATE 10/03/2008 PARCEL ID # 10-4S-16-02856-139
APPLICANT PATRICK WILSON PHONE 904-296-1490
ADDRESS 6800 SOUTHPPOINT PRKWY # 300 JACKSONVILLE FL 32216
OWNER MARONDA HOMES INC PHONE 904-296-1490
ADDRESS 389 SW MULBERRY DRIVE LAKE CITY FL 32025
CONTRACTOR THEODORE BROCK PHONE 904-296-1490
LOCATION OF PROPERTY 90 W, L 247, R 252 B, L TIMBER RIDGE DR, L SW MULBERRY DR,
2ND LOT ON LEFT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT TIMBERLANDS 39 1

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 INSTALLATION 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



FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

39/1 TM

Project Name: **AUSTIN 4 BDR GAINESVILLE**
Address: **309 SW Mulberry Drive**
City, State: **Lake City, FL 32055**
Owner: **ELECTRIC**
Climate Zone: **North**

Builder: **MARONDA HOMES**
Permitting Office: **Columbia**
Permit Number: **27399**
Jurisdiction Number: **221006**

1. New construction or existing New ☐
2. Single family or multi-family Single family ☐
3. Number of units, if multi-family 1 ☐
4. Number of Bedrooms 4 ☐
5. Is this a worst case? Yes ☐
6. Conditioned floor area (ft²) 2236 ft² ☐
7. Glass type¹ and area: (Label reqd. by 13-104.4.5 if not default)
 - a. U-factor: Description Area

(or Single or Double DEFAULT) 7a(Sngle Default) 177.0 ft² ☐
 - b. SHGC:

(or Clear or Tint DEFAULT) 7b. (Clear) 177.0 ft² ☐
8. Floor types
 - a. Slab-On-Grade Edge Insulation R=0.0, 219.0(p) ft ☐
 - b. N/A ☐
 - c. N/A ☐
9. Wall types
 - a. Concrete, Int Insul, Exterior R=4.1, 1199.0 ft² ☐
 - b. Frame, Steel, Adjacent R=13.0, 320.0 ft² ☐
 - c. N/A ☐
 - d. N/A ☐
 - e. N/A ☐
10. Ceiling types
 - a. Under Attic R=19.0, 2450.0 ft² ☐
 - 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 ☐

12. Cooling systems
 - a. Central Unit Cap: 40.5 kBtu/hr
SEER: 13.00 ☐
 - b. N/A ☐
 - c. N/A ☐
13. Heating systems
 - a. Electric Heat Pump Cap: 40.5 kBtu/hr
HSPF: 8.10 ☐
 - b. N/A ☐
 - c. N/A ☐
14. Hot water systems
 - a. Electric Resistance Cap: 50.0 gallons
EF: 0.90 ☐
 - b. N/A ☐
 - c. Conservation credits
(HR-Heat recovery, Solar
DHP-Dedicated heat pump) ☐
15. HVAC credits PT, ☐

(CF-Ceiling fan, CV-Cross ventilation,
HF-Whole house fan,
PT-Programmable Thermostat,
MZ-C-Multizone cooling,
MZ-H-Multizone heating)

Glass/Floor Area: 0.08

Total as-built points: 28950

Total base points: 30537

PASS

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

PREPARED BY: Wayne CampbellDATE: 01/22/08

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

OWNER/AGENT: Melissa McCarneyDATE: 01/22/08

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



BUILDING OFFICIAL: _____

DATE: _____

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points			
.18	2236.0	18.59	7482.0	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			7480.0	
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. Adjacent Wood				18.0	2.40	43.2	
Exterior	20.0	6.10	122.0	2. Exterior Insulated				20.0	4.10	82.0	
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	2236.0	1.73	3868.3	1. Under Attic	19.0			2450.0	2.34 X 1.00		5733.0
Base Total:				2236.0			3868.3				
				As-Built Total:			2450.0			5733.0	
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			219.0			-9022.8	
				As-Built Total:			219.0			-9022.8	
INFILTRATION Area X BSPM = Points							Area X SPM = Points				
2236.0 10.21 22829.6							2236.0 10.21 22829.6				

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

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 28504.3				Summer As-Built Points: 28793.8						
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
28504.3	0.3250		9263.9	(sys 1: Central Unit 40500btuh ,SEER/EFF(13.0) Ducts:Unc(S),Con(R),Int(AH),R6.0(INS) 28794 1.00 (1.08 x 1.147 x 0.86) 0.260 0.950 7623.4 28793.8 1.00 1.072 0.260 0.950 7623.4						

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	2236.0	20.17	8118.0	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.Adjacent Wood				18.0	11.50	207.0	
Exterior	20.0	12.30	246.0	2.Exterior Insulated				20.0	8.40	168.0	
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	2236.0	2.05	4583.8	1. Under Attic	19.0			2450.0	2.70 X 1.00	6615.0	
Base Total: 2236.0 4583.8				As-Built Total:			2450.0		6615.0		
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				
2236.0 -0.59 -1319.2							2236.0 -0.59 -1319.2				

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

ADDRESS: , , ,

PERMIT #:

BASE			AS-BUILT						
Winter Base Points: 19373.0			Winter As-Built Points: 24101.5						
Total Winter Points	X System Multiplier	= Heating 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	= Heating Points	
19373.0	0.5540	10732.6	(sys 1: Electric Heat Pump 40500 btuh ,EFF(8.1) Ducts:Unc(S),Con(R),Int(AH),R6.0 24101.5	1.000	(1.060 x 1.169 x 0.88)0.421	0.950	10552.7		
19373.0	0.5540	10732.6	24101.5	1.00	1.095	0.421	0.950	10552.7	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
WATER HEATING										
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total
4		2635.00	10540.0	50.0	0.90	4	1.00	2693.56	1.00	10774.2
				As-Built Total:						10774.2

CODE COMPLIANCE STATUS													
BASE					AS-BUILT								
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points
9264		10733		10540		30537	7623		10553		10774		28950

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* = 85.8

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	4	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft ²)	2236 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, 2450.0 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: Melvin McRae

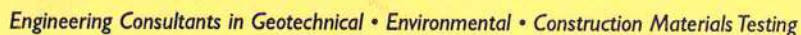
Date: 07/22/08

Address of New Home: 389 SW Mulberry Drive City/FL Zip: Lake City, FL 32055



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

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



27399

CLIENT MARIONA HOMES DATE 2 OCT 08

PROJECT NAME TIMBERLANDS LAKE CITY PROJECT NO. _____

EARTH CONTRACTOR LOT # 39 50M # 9TM 03901 PERMIT NO. -

COMPACTION REQUIREMENT (%) 95% ☐ Standard Proctor TESTED BY SMC

TOTAL ON-SITE TIME _____ ☒ Modified Proctor _____ FIELD CONTACT

MILES FROM OFFICE _____

☐ Limerock ☐ Subgrade ☐ Pipe Backfill ☒ Building Pad ☒ Building Footing ☐ Other

[illegible]REMARKS _____

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

COLUMBIA COUNTY DEPARTMENT OF BUILDING AND ZONING

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 10-4S-16-02856-139

Building permit No. 000027399

Use Classification SFD, UTILITY

Fire: 64.20

Permit Holder THEODORE BROCK

Waste: 167.50

Owner of Building MARONDA HOMES INC OF FLORIDA

Total: 231.70

Location: 389 SW MULBERRY DR, LAKE CITY, FL 32025

Date: 12/18/2008

Robert Sticks by JLB

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

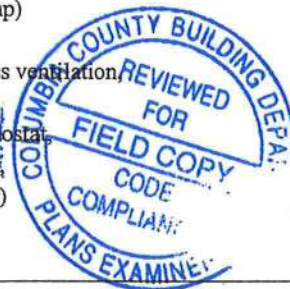
Florida Department of Community Affairs
Residential Whole Building Performance Method A

39/11 TM

Project Name: **AUSTIN 4 BDR GAINESVILLE**
Address: **309 SW Mulberry Drive**
City, State: **Lake City, FL 32055**
Owner: **ELECTRIC**
Climate Zone: **North**

Builder: **MARONDA HOMES**
Permitting Office: **Columbia**
Permit Number:
Jurisdiction Number:

- | | |
|---|--|
| <p>1. New construction or existing New ☐</p> <p>2. Single family or multi-family Single family ☐</p> <p>3. Number of units, if multi-family 1 ☐</p> <p>4. Number of Bedrooms 4 ☐</p> <p>5. Is this a worst case? Yes ☐</p> <p>6. Conditioned floor area (ft²) 2236 ft² ☐</p> <p>7. Glass type¹ and area: (Label reqd. by 13-104.4.5 if not default)</p> <p style="margin-left: 20px;">a. U-factor: Description Area</p> <p style="margin-left: 40px;">(or Single or Double DEFAULT) 7a(Sngle Default) 177.0 ft² ☐</p> <p style="margin-left: 20px;">b. SHGC:</p> <p style="margin-left: 40px;">(or Clear or Tint DEFAULT) 7b. (Clear) 177.0 ft² ☐</p> <p>8. Floor types</p> <p style="margin-left: 20px;">a. Slab-On-Grade Edge Insulation R=0.0, 219.0(p) ft ☐</p> <p style="margin-left: 20px;">b. N/A ☐</p> <p style="margin-left: 20px;">c. N/A ☐</p> <p>9. Wall types</p> <p style="margin-left: 20px;">a. Concrete, Int Insul, Exterior R=4.1, 1199.0 ft² ☐</p> <p style="margin-left: 20px;">b. Frame, Steel, Adjacent R=13.0, 320.0 ft² ☐</p> <p style="margin-left: 20px;">c. N/A ☐</p> <p style="margin-left: 20px;">d. N/A ☐</p> <p style="margin-left: 20px;">e. N/A ☐</p> <p>10. Ceiling types</p> <p style="margin-left: 20px;">a. Under Attic R=19.0, 2450.0 ft² ☐</p> <p style="margin-left: 20px;">b. N/A ☐</p> <p style="margin-left: 20px;">c. N/A ☐</p> <p>11. Ducts</p> <p style="margin-left: 20px;">a. Sup: Unc. Ret: Con. AH(Sealed):Interior Sup. R=6.0, 200.0 ft ☐</p> <p style="margin-left: 20px;">b. N/A ☐</p> | <p>12. Cooling systems</p> <p style="margin-left: 20px;">a. Central Unit Cap: 40.5 kBtu/hr ☐</p> <p style="margin-left: 40px;">SEER: 13.00 ☐</p> <p style="margin-left: 20px;">b. N/A ☐</p> <p style="margin-left: 20px;">c. N/A ☐</p> <p>13. Heating systems</p> <p style="margin-left: 20px;">a. Electric Heat Pump Cap: 40.5 kBtu/hr ☐</p> <p style="margin-left: 40px;">HSPF: 8.10 ☐</p> <p style="margin-left: 20px;">b. N/A ☐</p> <p style="margin-left: 20px;">c. N/A ☐</p> <p>14. Hot water systems</p> <p style="margin-left: 20px;">a. Electric Resistance Cap: 50.0 gallons ☐</p> <p style="margin-left: 40px;">EF: 0.90 ☐</p> <p style="margin-left: 20px;">b. N/A ☐</p> <p style="margin-left: 20px;">c. Conservation credits</p> <p style="margin-left: 40px;">(HR-Heat recovery, Solar</p> <p style="margin-left: 40px;">DHP-Dedicated heat pump)</p> <p>15. HVAC credits</p> <p style="margin-left: 20px;">(CF-Ceiling fan, CV-Cross ventilation, PT-Programmable Thermostat,</p> <p style="margin-left: 20px;">HF-Whole house fan,</p> <p style="margin-left: 20px;">MZ-C-Multizone cooling,</p> <p style="margin-left: 20px;">MZ-H-Multizone heating)</p> <p style="text-align: right;">PT, ☐</p> |
|---|--|



Glass/Floor Area: 0.08 Total as-built points: 28950
Total base points: 30537

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: 01/22/08

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

OWNER/AGENT: Melissa Mycarme
DATE: 01/24/08

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

BUILDING OFFICIAL: _____
DATE: _____



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

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

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X SPM X SOF = Points				
.18	2236.0	18.59	7482.0	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	7480.0		
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:				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.Adjacent Wood			18.0	2.40	43.2		
Exterior	20.0	6.10	122.0	2.Exterior Insulated			20.0	4.10	82.0		
Base Total:				As-Built Total:		38.0		125.2			
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	2236.0	1.73	3868.3	1. Under Attic	19.0		2450.0	2.34 X 1.00	5733.0		
Base Total:				As-Built Total:		2450.0		5733.0			
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:				As-Built Total:		219.0		-9022.8			
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
2236.0 10.21 22829.6				2236.0 10.21 22829.6							

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

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 28504.3				Summer As-Built Points: 28793.8						
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
28504.3	0.3250		9263.9	(sys 1: Central Unit 40500btuh ,SEER/EFF(13.0) Ducts:Unc(S),Con(R),Int(AH),R6.0(INS) 28794	1.00	(1.08 x 1.147 x 0.86)	0.260	0.950		7623.4
				28793.8	1.00	1.072	0.260	0.950		7623.4

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	2236.0	20.17	8118.0	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.Adjacent Wood			18.0	11.50		207.0	
Exterior	20.0	12.30	246.0	2.Exterior Insulated			20.0	8.40		168.0	
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	2236.0	2.05	4583.8	1. Under Attic	19.0		2450.0	2.70 X 1.00		6615.0	
Base Total: 2236.0 4583.8				As-Built Total:			2450.0		6615.0		
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							
2236.0 -0.59 -1319.2				2236.0 -0.59 -1319.2							

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

ADDRESS: , , ,

PERMIT #:

BASE			AS-BUILT						
Winter Base Points: 19373.0			Winter As-Built Points: 24101.5						
Total Winter X Points	System = Multiplier	Heating Points	Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)						
19373.0	0.5540	10732.6	(sys 1: Electric Heat Pump 40500 btuh ,EFF(8.1) Ducts:Unc(S),Con(R),Int(AH),R6.0 24101.5 1.000 (1.060 x 1.169 x 0.88)0.421 0.950 10552.7 24101.5 1.00 1.095 0.421 0.950 10552.7						

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING				Tank	EF	Number of	X	Tank X	Multiplier X Credit = Total
Number of	X	Multiplier	= Total	Volume		Bedrooms		Ratio	Multiplier
Bedrooms									
4		2635.00	10540.0	50.0	0.90	4		1.00	2693.56 1.00 10774.2
				As-Built Total:					10774.2

CODE COMPLIANCE STATUS													
BASE							AS-BUILT						
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points
9264		10733		10540		30537	7623		10553		10774		28950

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* = 85.8

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	4	___	b. N/A	___
5. Is this a worst case?	Yes	___	c. N/A	___
6. Conditioned floor area (ft ²)	2236 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, 2450.0 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: M. M. McKeay Date: 07/22/08

Address of New Home: 389 SW Mulberry Drive City/FL Zip: Lake City, FL 32055



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

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

Maronda Systems

Maronda Systems

4005 Maronda Way

Sanford FL 32771

(407) 321-0064

Fax (407) 321-3913

Engineer/Architect of Record:

Design Criteria: TPI

Design: Matrix Analysis

MiTek software

PLAN JOB #	LOT	ADDRESS	DIV/SUB	MODEL	AUSTIN M4
9TM03901	39-1	389 SW MULBERRY DR	JAX-9TM	AUSM4 RIGHT	

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, **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:	56
Layout	10/10/07		MHGRD1	11/21/07		Roof Loads-	
V	07/27/05		RG1	11/21/07		TC Live:	16.0 psf
HIP	11/02/06		S1A	11/21/07		TC Dead:	7.0 psf
GRD2S	01/03/08		S1B	11/21/07		BC Live:	10.0 psf
H1	11/21/07		T2	11/21/07		BC Dead:	10.0 psf
H6	11/21/07		V1	11/21/07		Total	43.0 psf
H7	11/21/07		V10	11/21/07			
H8	11/21/07		V11	11/21/07		DurFac- Lbr:	1.25
H9	11/21/07		V12	11/21/07		DurFac- Plt:	1.25
HGRD1	11/21/07		V13	11/21/07		O.C. Spacing:	24.0"
HGRD3	11/21/07		V15	11/21/07			
HS1A	11/21/07		V16	11/21/07			
HS2A	11/21/07		V17	11/21/07			
HS3A	11/21/07		V18	11/21/07			
HS4	11/21/07		V19	11/21/07			
HS5	11/21/07		V20	11/21/07			
HSGRD1	11/21/07		V7	11/21/07			
J	11/21/07		V8	11/21/07			
J1	11/21/07		V9	11/21/07			
J2	11/21/07						
J3	11/21/07						
J5S	11/21/07						
J5SA	11/21/07						
J6S	11/21/07						
J7S	11/21/07						
JGRD1	11/21/07						
JGRD3	11/21/07						
JS1	11/21/07		INV #	DESC	QNTY		
JS2	11/21/07		18331	THD26	5		
JS3	11/21/07		18330	THD28			
JSA	11/21/07		18357	SKHH26R			
JSGRD1	11/21/07		18357	SKHH26L			
M1	11/21/07		18363	JUS26			
MH1	11/21/07		18370	THJ26	5		
MH2	11/21/07		18336	THD28-2	1		
MH3	11/21/07						
MH4	11/21/07		SEAT PLATES				

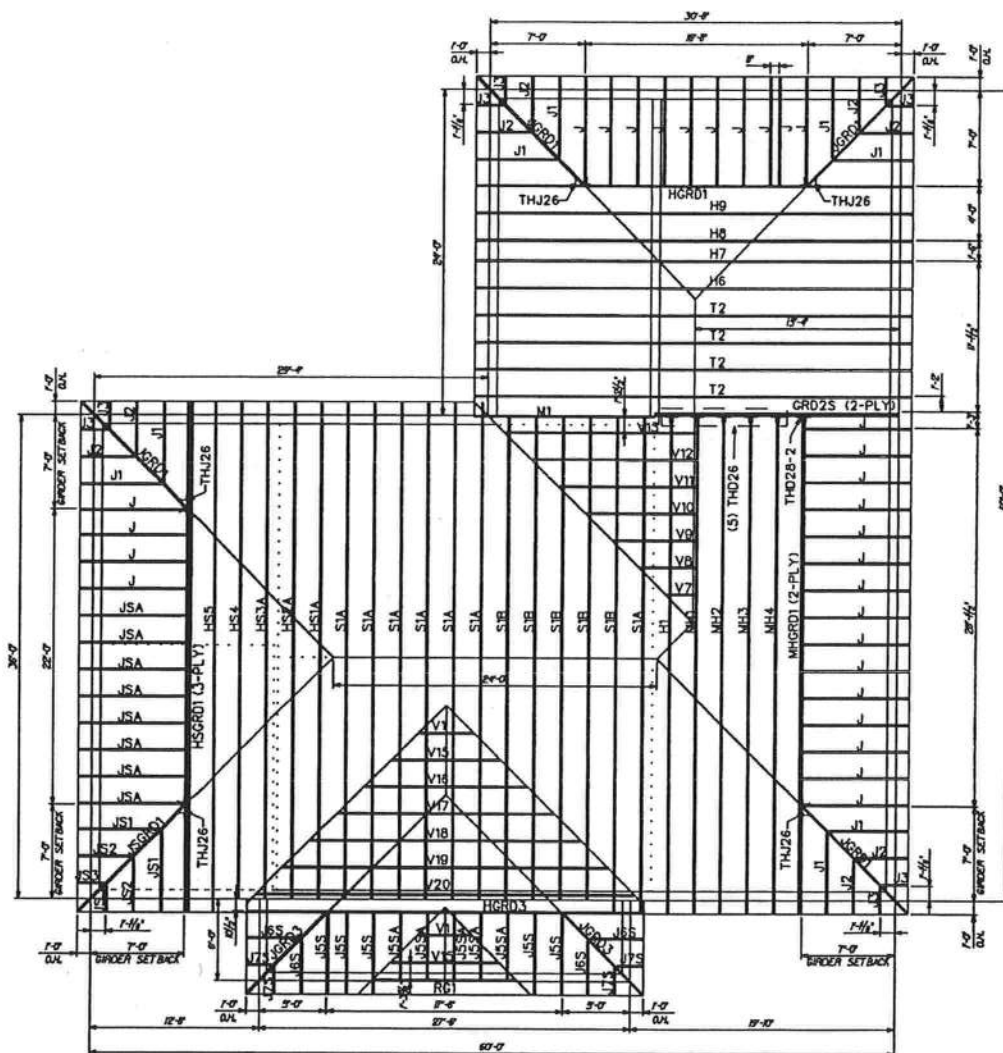


[Handwritten Signature]

DATE: **AUG 08 2008**

HARDWARE LEGEND

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



AUG 08 2008

HARDWARE MANUFACTURED
BY USP

* HARDWARE MANUFACTURED
BY SIMPSON

** HARDWARE MANUFACTURED
BY CLEVELAND

AUSTIN 4 "M" - FL

GARAGE: RIGHT

DESIGNER: CP
CHECKER: MIKE

DRAWN BY: EJ

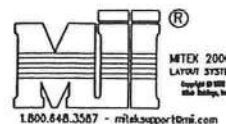
SCALE: 1/8" = 1'-0"
DATE: 10/10/2007

LOADING-FBC2004/TPI2002

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



(407) 321-0064 4005 MARONDA WAY SANFORD, FLORIDA



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.

⚠ 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 arriostre incorrecto puede ser la caída de la estructura o aún peor, heridos o muertos.

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

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

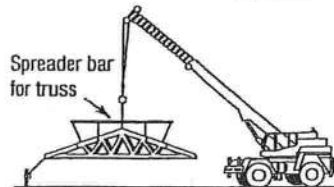
HANDLING — MANEJO

⚠ Avoid lateral bending. — Evite la flexión lateral.



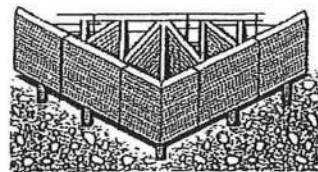
⚠ Use special care in windy weather or near power lines and airports.

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.



✓ 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 Arriostre 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.

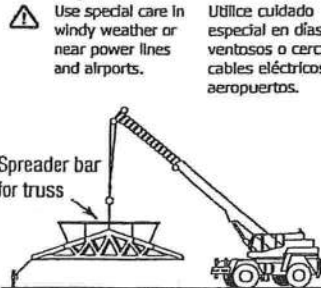
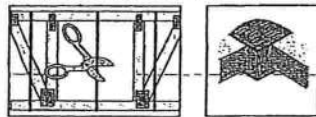
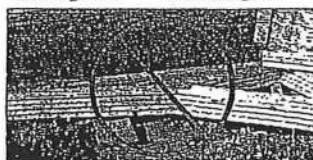
⚠ Do not store unbraced bundles upright.

No almacene verticalmente los trusses sueltos.



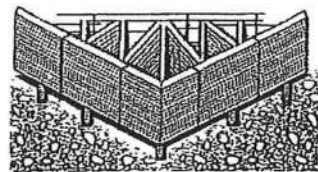
⚠ Do not store on uneven ground.

No almacene en tierra desigual.



✓ Use proper rigging and hoisting equipment.

Use equipo apropiado para levantar e improvisar.



✓ 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 Arriostre 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.

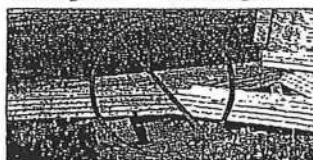
⚠ Do not store unbraced bundles upright.

No almacene verticalmente los trusses sueltos.



⚠ Do not store on uneven ground.

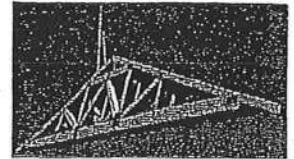
No almacene en tierra desigual.



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

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

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



✓ A single lift point may be used for bundles with trusses up to 45'.
Two lift points may be used for bundles with trusses up to 60'.
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.

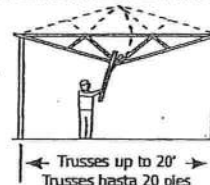
Use por lo menos tres puntos de levantar para paquetes más de 60 pies.

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

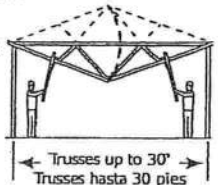
✓ Place truss bundles in stable position.
Puse paquetes de trusses en una posición estable.

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

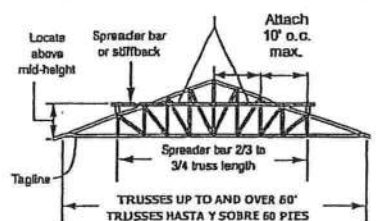
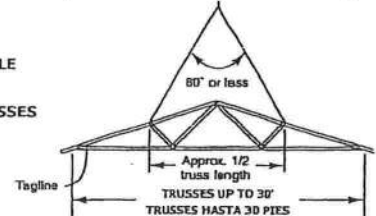
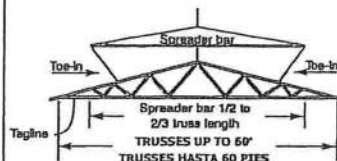
✓ Hold each truss in position with the erection equipment until top chord temporary lateral restraint is installed and the truss is fastened to the bearing points.

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



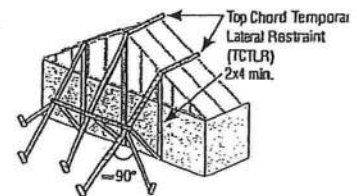
TEMPORARY RESTRAINT & BRACING RESTRICCIÓN Y ARRIOSTRE TEMPORAL

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

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

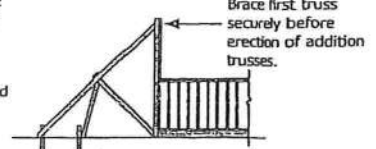
✓ Locate ground braces for first truss directly in line with all rows of top chord temporary lateral restraint (see table in the next column).

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



⚠ Do not walk on unbraced trusses.

No camine en trusses sueltos.



Maronda Systems

MARONDA SYSTEMS

4005 Maronda Way

Sanford, FL 32771

(407) 321-0064

Fax (407) 321-3913

Date: November 1, 2006

To: Building Department

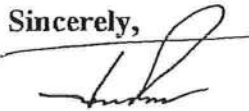
From: Maronda Systems
Tomas Ponce
Professional Engineer
State of Florida #0050068

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

DESIGN INFORMATION

This design is for an individual building component and has been based on information provided by the client. The designer disclaims any responsibility for damages as a result of faulty or incorrect information, specifications and/or design furnished to the trust designer by the client and/or the client's representative. The trust designer may rely on a specific project and accept no responsibility or liability for any errors or omissions in this design. The trust designer shall not be held responsible for any errors or omissions in this design. The trust designer shall not be held responsible for any errors or omissions in this design.

FABRICATION NOTES
Prior to fabrication, the fabricator shall review this drawing to verify that this drawing is in conformance with the building design and to verify that the building design is in conformance with the building design. Any discrepancies shall be reported to the building designer. The building designer shall not be held responsible for any errors or omissions in this design. The building designer shall not be held responsible for any errors or omissions in this design.

PRECAUTIONARY NOTES

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 and plumb position is required for erecting trusses. Trusses shall be erected in a straight and plumb position. Trusses shall be erected in a straight and plumb position. Trusses shall be erected in a straight and plumb position.

WARNING:

READ ALL NOTES ON THIS SHEET. A COPY OF THIS DRAWING TO BE GIVEN TO THE ERECTING CONTRACTOR. NO BRACING WARNING. Bracing shown on this drawing is not erection bracing, wind bracing, portal bracing or similar bracing which is a part of the building design and which must be considered by the building designer. Bracing shown is for lateral support of truss members only to reduce bracing length. Provisions must be made to anchor lateral bracing at ends and specified locations determined by the building designer. Additional bracing of the overall structure may be required. (See HB-91 for details.) For specific truss bracing requirements, contact building designer (Truss Plate Institute, TPI is located at 583 Commerce Street, Madison, Wisconsin 53713). Copyright Engineering Co., P.A., 818 Southside Rd., Edison, NC 27932

Maronda Systems

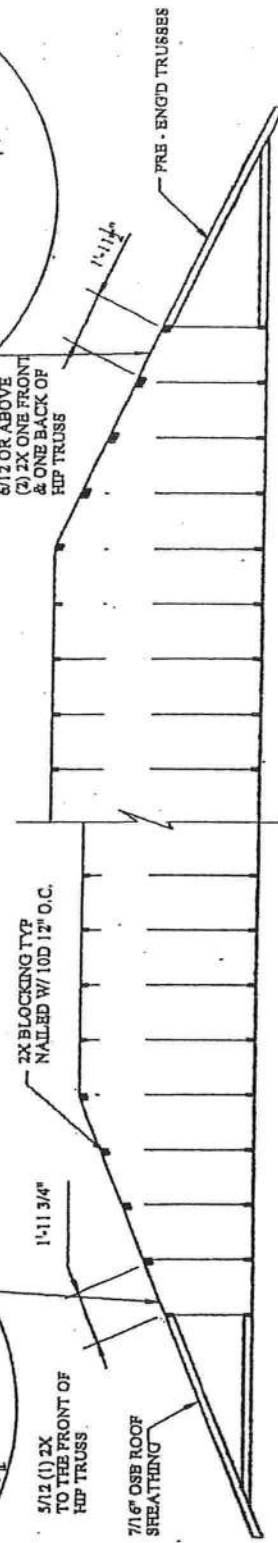
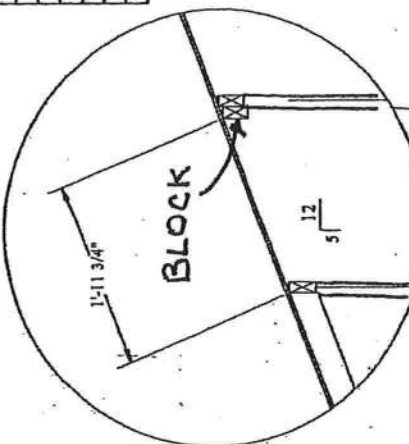
4005 MARONDA WAY
Sanford, FL 32771
(407) 321-0664 Fax (407) 321-3913
TOMAS PONCE P.E. LICENSE #0050068
367 Medallion Pl. Chuluota, FL 32766

HIP TRUSS BLOCKING REQUIREMENTS

APA-FORM NO. TT-083
SPAN RATING AND BLOCKING RECOMMENDATIONS FOR USE OVER HIP-ROOFS SUPPORT AT 24" O.C

Roof Slope	24/18	32/18	40/20	48/24
≤ 1:12	OK	OK	OK	OK
≤ 2:12	OK	OK	OK	OK
≤ 3:12	OK	OK	OK	OK
≤ 4:12	OK	OK	OK	OK
≤ 5:12	OK	OK	OK	OK
≤ 6:12	OK	OK	OK	OK
≤ 7:12	OK	OK	OK	OK
≤ 8:12	OK	OK	OK	OK
≤ 9:12	OK	OK	OK	OK
≤ 10:12	OK	OK	OK	OK
≤ 11:12	OK	OK	OK	OK
≤ 12:12	OK	OK	OK	OK
≤ 13:12	OK	OK	OK	OK
≤ 14:12	OK	OK	OK	OK

NOTE: SHADDED AREA REQUIRES 2X LUMBER BLOCKING BETWEEN TRUSSES AT UN-SUPPORTED PANEL EDGES IN HIP ROOF AREAS



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

Eng Job: WO: HIPDETAIL

DWG: TI: HIP

DSGN: TLY Chk: 11/2/2006

TC Live 16.0 psf

TC Dead 7.0 psf

BC Live 10.0 psf

BC Dead 10.0 psf

TOTAL 43.0 psf

Code: FLA

V4.7.32-0

Drawn by: D. WINTER-KING

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4595120
AUSTIN	GRD2S	COMMON	1	2	Job Reference (optional)	
Maronde Homes Inc., Sanford, Florida			7.020 s Nov 9 2007 Mitek Industries, Inc. Thu Jan 03 16:55:13 2008 Page 1			

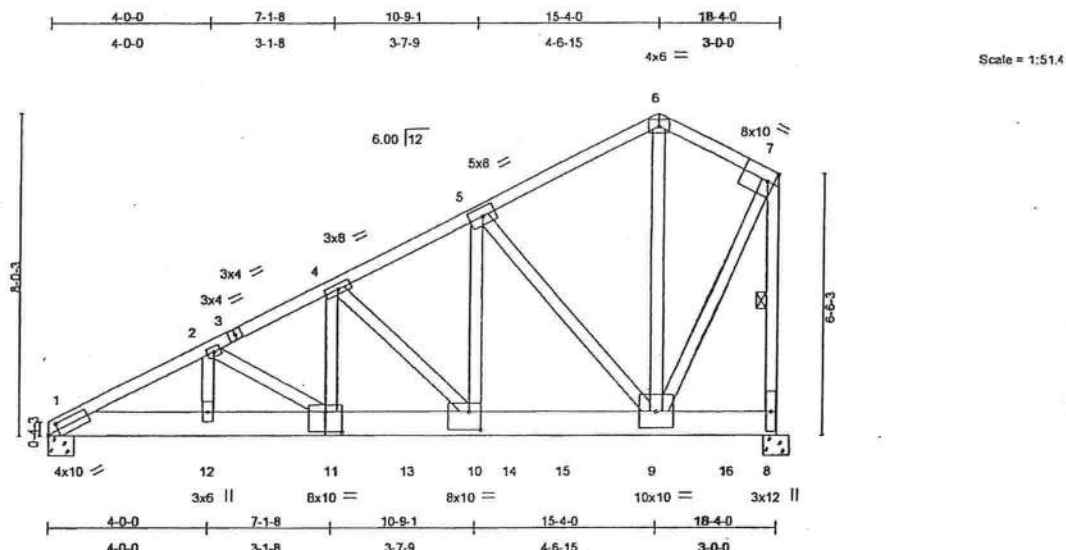


Plate Offsets (X,Y): [1:0-3-9-0-2-0], [7:0-2-3,Edge], [10:0-3-8-0-5-8], [11:0-5-0-0-6-0]											
LOADING (psf)	SPACING		2-0-0	CSI	DEFL		in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase		1.25	TC 0.41	Vert(LL)		-0.15 10-11	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase		1.25	BC 0.92	Vert(TL)		-0.28 10-11	>779	180		
BCLL 10.0	Rep Stress Incr		NO	WB 0.99	Horz(TL)		0.05 8	n/a	n/a		
BCDL 10.0	Code FBC2004/TP12002			(Matrix)						Weight: 302 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 3-9-5 oc purlins, except end verticals.
BOT CHORD 2 X 8 SYP No.2	BOT CHORD Rigid ceiling directly applied or 8-11-14 oc bracing.
WEBS 2 X 4 SYP No.2	WEBS 1 Row at midpt 7-8

REACTIONS (lb/size) 1=5327/0-8-0, 8=8121/0-8-0
Max Horz 1=276(LC 5)
Max Uplift 1=2359(LC 5), 8=3272(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=10711/4798, 2-3=11019/5006, 3-4=10999/5014, 4-5=7773/3268, 5-6=31111/1256, 6-7=3096/1280, 7-8=7232/2967

BOT CHORD 1-12=4494/9484, 11-12=4494/9484, 11-13=4647/9838, 10-13=4647/9838, 10-14=3018/6934, 14-15=3018/6934, 9-15=3018/6934, 9-16=18/43, 8-16=18/43

WEBS 2-12=381/241, 2-11=291/506, 4-11=2226/4064, 4-10=4003/2246, 5-10=2926/6707, 5-9=6389/2864, 6-9=1026/2806, 7-9=2625/6389

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 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 2 rows at 0-3-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
- 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 2359 lb uplift at joint 1 and 3272 lb uplift at joint 8.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3454 lb down and 2152 lb up at 7-1-8, 1706 lb down and 613 lb up at 9-0-12, 1706 lb down and 631 lb up at 11-0-12, 1706 lb down and 645 lb up at 13-0-12, and 1706 lb down and 656 lb up at 15-0-12, and 1632 lb down and 601 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

Continued on page 2



Marvin A. Strzyzewski, FL Lic. #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 MITER REFERENCE PAGE M3-7473 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 BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Oroff 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	E4595120
AUSTIN	GRD25	COMMON	1	2	Job Reference (optional)	

Maronda Homes Inc., Sanford, Florida

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LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-6=-46, 6-7=-46, 1-8=40

Concentrated Loads (lb)

Vert: 11=-3454(F) 9=-1706(F) 13=-1706(F) 14=-1706(F) 15=-1706(F) 16=-1632(F)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
 Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component.
 Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown
 is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the
 erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding
 fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component
 Safety Information available from Truss Plate Institute, 583 O'Onofrio Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
 A Mitek Affiliate

818 Soundside Road
 Eden, NC 27632

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 MTEK Industries, Inc. Wed Nov 21 08:43:48 2007 Page 1

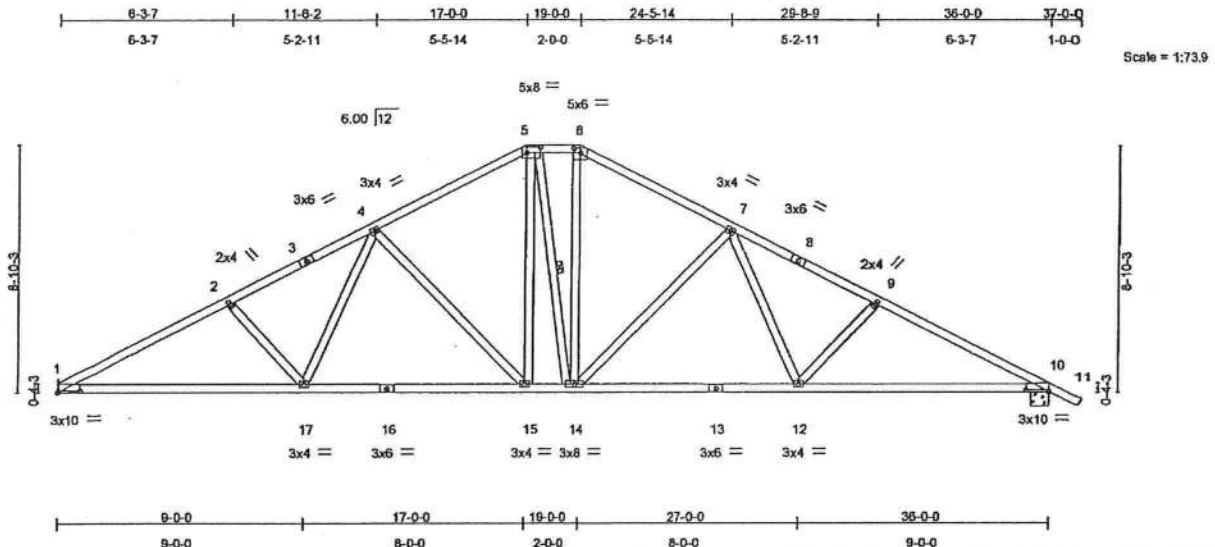


Plate Offsets (X,Y): [1:0-10-0-0-0-10], [5:0-6-0-0-2-8], [6:0-3-0-0-2-0], [10:0-10-0-0-0-10]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.53	Vert(LL)	-0.23	1-17	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.82	Vert(TL)	-0.51	1-17	>840	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.88	Horz(TL)	0.14	10	n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)						Weight: 205 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 3-1-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-4-14 oc bracing.
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=2831/921, 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=688/2491, 16-17=488/2060, 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=1.80. 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 girder(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 PAGES PRIOR TO 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 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	E4530654
AUSTIN	H6	HIP	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						

7.020 s Nov 9 2007 Mitek Industries, Inc. Wed Nov 21 08:43:51 2007 Page 1

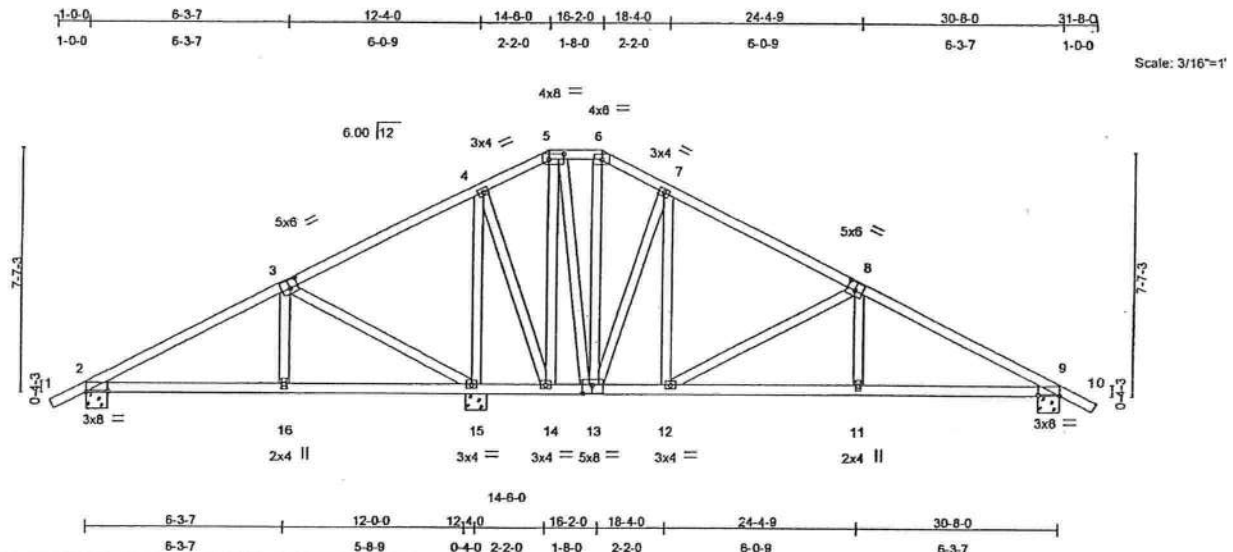


Plate Offsets (X,Y): [2:0-8-0-0-0-6], [3:0-3-0-0-3-0], [4:0-0-0-0-0-0], [5:0-5-8-0-2-0], [6:0-0-0-0-0-0], [7:0-0-0-0-0-0], [8:0-3-0-0-3-0], [9:0-8-0-0-0-6], [13:0-3-12-0-3-0]									
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.26	Vert(LL)	0.09	2-16	>999	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.34	Vert(TL)	-0.11	9-11	>999		
BCLL 10.0	Rep Stress Incr	YES	WB 0.64	Horz(TL)	0.02	9	n/a		
BCDL 10.0	Code FBC2004/TP12002		(Matrix)						
								Weight: 196 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 5-11-5 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
 6-0-0 oc bracing: 14-15,13-14.

REACTIONS (lb/size) 2=407/0-8-0, 15=1579/0-8-0, 9=723/0-8-0
 Max Horz2=135(LC 7)
 Max Uplift2=310(LC 6), 15=535(LC 6), 9=224(LC 7)
 Max Grav2=436(LC 10), 15=1579(LC 1), 9=740(LC 11)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/21, 2-3=392/406, 3-4=137/401, 4-5=13/105, 5-6=101/127, 6-7=157/140, 7-8=436/128, 8-9=1036/199,
 9-10=0/21
 BOT CHORD 2-16=228/297, 15-16=220/290, 14-15=308/389, 13-14=79/336, 12-13=0/331, 11-12=67/857, 9-11=65/864
 WEBS 3-16=317/272, 3-15=618/692, 4-15=1084/432, 4-14=167/764, 5-14=653/256, 5-13=257/617, 6-13=39/28,
 7-13=644/281, 7-12=62/493, 8-12=600/257, 8-11=0/274

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; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 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 310 lb uplift at joint 2, 535 lb uplift at joint 15 and 224 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 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 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 BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
 A Mitek Alliance
 818 Soundside Road
 Edenon, NC 27832

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4595121
AUSTIN	H7	HIP	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, Florida						7.020 s Nov 9 2007 Mitek Industries, Inc. Thu Jan 03 16:55:14 2008 Page 1

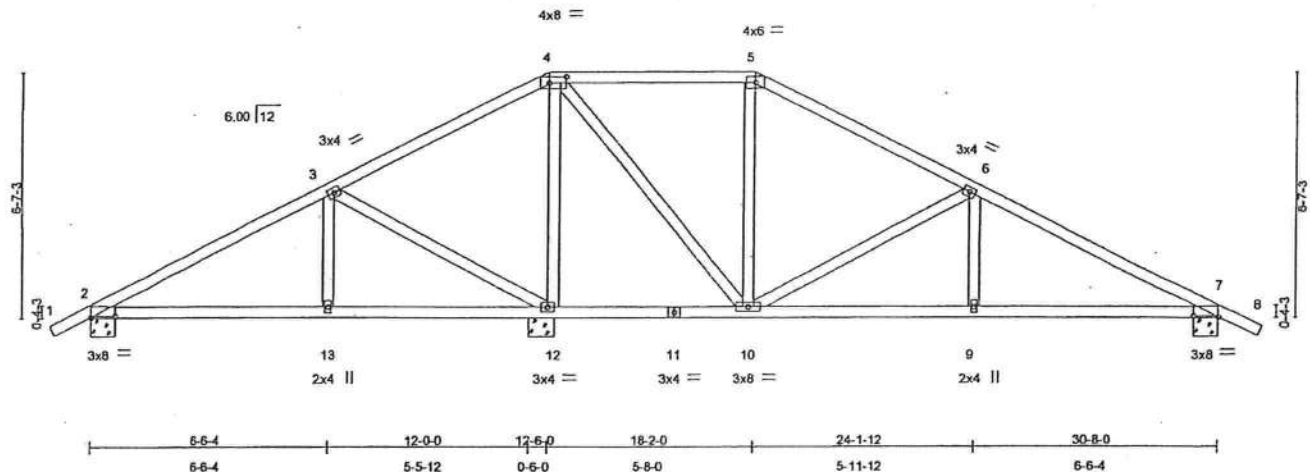
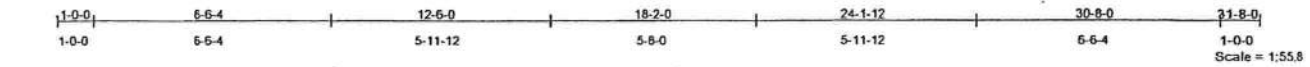


Plate Offsets (X,Y): [2-0-8-0-0-0-6], [3-0-0-0-0-0-0], [4-0-5-4-0-2-0], [5-0-0-0-0-0-0], [6-0-0-0-0-0-0], [7-0-8-0-0-0-6]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/def	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.28	Vert(LL)	0.10	2-13	>999	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.34	Vert(TL)	-0.12	7-9	>999		
BCLL 10.0	Rep Stress Incr	YES	WB 0.69	Horz(TL)	0.02	7	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)						
								Weight: 158 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 10-12.

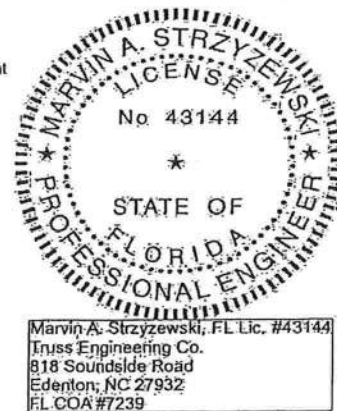
REACTIONS (lb/size) 2=378/0-8-0, 12=1656/0-8-0, 7=675/0-8-0
Max Horz 2=119(LC 6)
Max Uplift 2=323(LC 6), 12=508(LC 6), 7=211(LC 7)
Max Grav 2=416(LC 10), 12=1656(LC 1), 7=701(LC 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/21, 2-3=334/414, 3-4=147/487, 4-5=235/131, 5-6=330/93, 6-7=937/184, 7-8=0/21
BOT CHORD 2-13=234/244, 12-13=234/244, 11-12=409/413, 10-11=409/413, 9-10=407/76, 7-9=407/76
WEBS 3-13=337/277, 3-12=633/721, 4-12=1129/516, 4-10=301/897, 5-10=166/198, 6-10=616/265, 6-9=0/280

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; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 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 323 lb uplift at joint 2, 508 lb uplift at joint 12 and 211 lb uplift at joint 7.

LOAD CASE(S) Standard



January 4, 2008

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE M7-7473 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 BCS1 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	E4530656
AUSTIN	HIP	HIP	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						
7.020 s Nov 9 2007 Mitek Industries, Inc. Wed Nov 21 08:43:53 2007 Page 1						

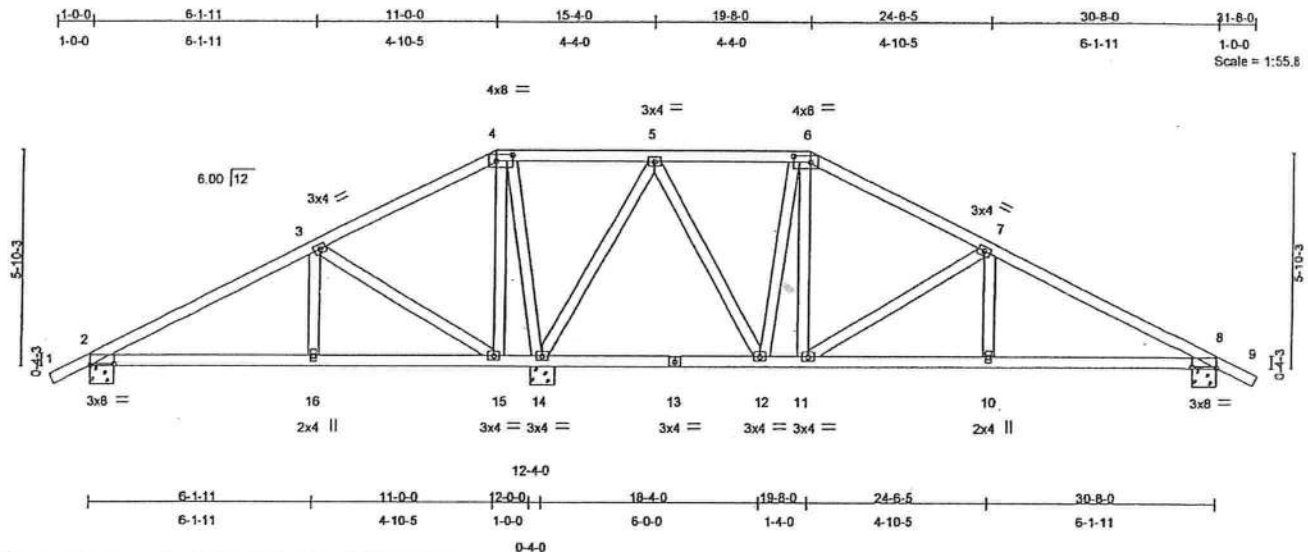


Plate Offsets (X,Y): [2-0-8-0-0-0-6], [3-0-0-0-0-0-0], [4-0-5-8-0-2-0], [5-0-0-0-0-0-0], [6-0-5-8-0-2-0], [7-0-0-0-0-0-0], [8-0-8-0-0-0-6]							
LOADING (psf)	SPACING	2-0-0	CSI	in (loc)	I/defl	L/d	PLATES
TCLL 16.0	Plates Increase	1.25	TC 0.31	0.09	2-16	>999	244/190
TCCL 7.0	Lumber Increase	1.25	BC 0.30	Vert(TL)	-0.10	8-10	>999
BCCL 10.0	Rep Stress Incr	YES	WB 0.55	Horz(TL)	0.01	8	n/a
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)				
Weight: 173 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 6-0-0 oc bracing.

REACTIONS (lb/size) 2=325/0-8-0, 14=1710/0-8-0, 8=674/0-8-0
Max Horz 2=108(LC 7)
Max Uplift 2=321(LC 6), 14=471(LC 6), 8=209(LC 7)
Max Grav 2=365(LC 10), 14=1710(LC 1), 8=697(LC 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/21, 2-3=247/387, 3-4=60/471, 4-5=141/530, 5-6=264/127, 6-7=430/144, 7-8=945/205, 8-9=0/21
BOT CHORD 2-16=215/169, 15-16=215/169, 14-15=374/292, 13-14=102/268, 12-13=102/268, 11-12=0/342, 10-11=45/784, 8-10=45/784
WEBS 3-16=296/263, 3-15=560/609, 4-15=497/294, 4-14=700/715, 5-14=886/381, 5-12=173/655, 6-12=377/220, 6-11=94/317, 7-11=531/215, 7-10=0/257

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; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 321 lb uplift at joint 2, 471 lb uplift at joint 14 and 209 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 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 BC311 Building Component Safety Information available from Truss Plate Institute, 583 D'Oroville Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A Mitek Affiliate

618 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530657
AUSTIN	H6	HIP	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						
7.020 s Nov 9 2007 MITek Industries, Inc. Wed Nov 21 08:43:53 2007 Page 1						

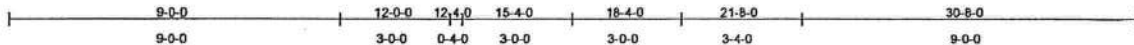
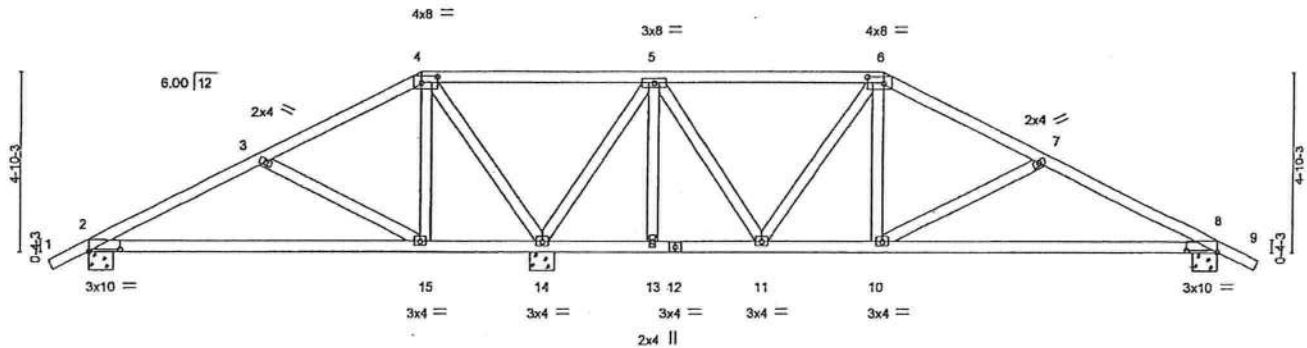


Plate Offsets (X,Y): [2-0-10-0-0-0-10], [3-0-0-0-0-0-0], [4-0-5-4-0-2-0], [5-0-0-0-0-0-0], [6-0-5-4-0-2-0], [7-0-0-0-0-0-0], [8-0-10-0-0-0-10]									
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	I/defl	L/d	PLATES	GRIP
TCLL 18.0	Plates Increase	1.25	TC 0.34	Vert(LL)	0.35	2-15	>417	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.54	Vert(TL)	0.24	2-15	>605		
BCLL 10.0	Rep Stress Incr	YES	WB 0.48	Horz(TL)	0.02	8	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)						
								Weight: 182 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 6-0-0 oc bracing.

REACTIONS (lb/size) 2=364/0-8-0, 14=1651/0-8-0, 8=694/0-8-0
Max Horz 2=93(LC 6)
Max Uplift 2=331(LC 6), 14=499(LC 5), 8=202(LC 7)
Max Grav 2=394(LC 10), 14=1651(LC 1), 8=712(LC 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/21, 2-3=254/370, 3-4=14/222, 4-5=202/600, 5-6=314/127, 6-7=691/191, 7-8=912/281, 8-9=0/21
BOT CHORD 2-15=234/213, 14-15=96/72, 13-14=11/218, 12-13=11/218, 11-12=11/218, 10-11=0/591, 8-10=122/789
WEBS 3-15=274/289, 4-15=516/445, 4-14=894/778, 5-14=1070/452, 5-13=0/182, 5-11=146/504, 6-11=493/160, 6-10=0/435, 7-10=239/188

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; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 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 331 lb uplift at joint 2, 499 lb uplift at joint 14 and 202 lb uplift at joint 8.

LOAD CASE(S) Standard

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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 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, D58-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 O'Donofrio Drive, Madison, WI 53719.

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

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530658
AUSTIN	HGRD1	HIP	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						
7.020 s Nov 9 2007 Mitek Industries, Inc. Wed Nov 21 08:43:54 2007 Page 1						

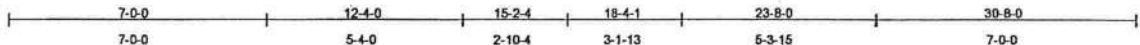
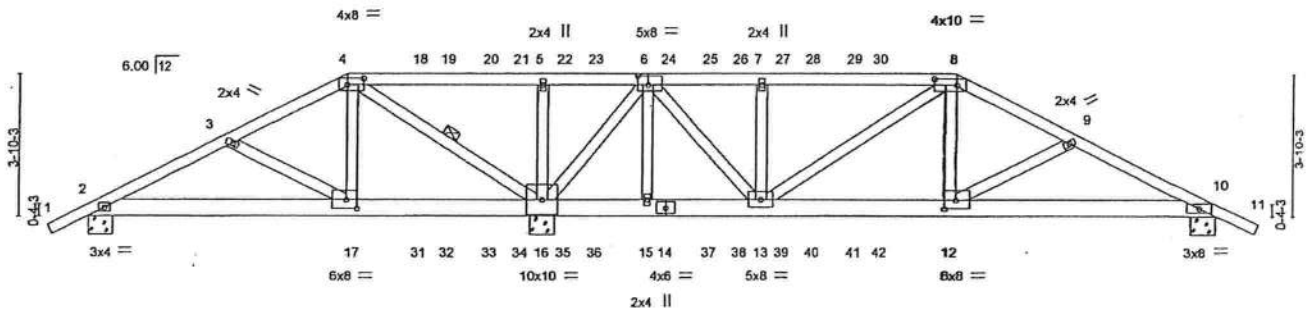
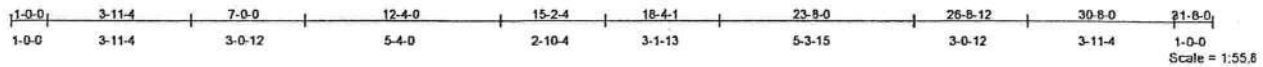


Plate Offsets (X,Y): [2:0-0-0,0-0-0], [3:0-0-0,0-0-0], [4:0-5-4,0-2-0], [5:0-0-0,0-0-0], [6:0-3-8,0-3-0], [7:0-0-0,0-0-0], [8:0-7-0,0-2-0], [9:0-0-0,0-0-0], [10:0-0-0,0-0-0], [12:0-3-8,0-3-0], [17:0-3-8,0-3-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.65	Vert(LL)	-0.06	12-13	>999	240	
TCDL 7.0	Lumber Increase	1.25	BC 0.44	Vert(TL)	-0.13	12-13	>999	180	
BCLL 10.0	Rep Stress Incr	NO	WB 0.64	Horz(TL)	-0.03	2	n/a	n/a	
BCDL 10.0	Code FBC2004/TP12002		(Matrix)						
									Weight: 186 lb

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-8-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-7-10 oc bracing.
WEBS 1 Row at midpt 4-16

REACTIONS

(lb/size) 2=546/0-8-0, 16=3961/0-8-0, 10=1390/0-8-0
Max Horz 10=80(LC 7)
Max Uplift 2=444(LC 5), 16=2380(LC 8), 10=672(LC 8)
Max Grav 2=603(LC 9), 16=3961(LC 1), 10=1398(LC 10)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/24, 2-3=744/504, 3-4=629/514, 4-18=704/1391, 18-19=704/1392, 19-20=704/1392, 20-21=705/1392, 5-21=705/1392, 5-22=704/1392, 22-23=704/1392, 6-23=704/1392, 6-24=1407/811, 24-25=1407/811, 25-26=1407/811, 7-26=1407/811, 7-27=1406/810, 27-28=1406/811, 28-29=1406/811, 29-30=1407/811, 8-30=1407/811, 8-9=2343/1236, 9-10=2420/1181, 10-11=0/24
BOT CHORD 2-17=396/629, 17-31=409/595, 31-32=409/595, 32-33=409/595, 33-34=409/595, 16-34=409/595, 16-35=0/141, 35-36=0/141, 15-36=0/141, 14-15=0/141, 14-37=0/141, 37-38=0/141, 13-38=0/141, 13-39=1062/2136, 39-40=1062/2136, 40-41=1062/2136, 41-42=1062/2136, 12-42=1062/2136, 10-12=1008/2093
WEBS 3-17=112/89, 4-17=494/1018, 4-16=2242/1426, 5-16=584/653, 6-16=2222/1186, 6-15=0/105, 6-13=1135/2025, 7-13=563/653, 8-13=884/449, 8-12=267/1015, 9-12=102/87

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise); porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60.
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 444 lb uplift at joint 2, 2380 lb uplift at joint 16 and 672 lb uplift at joint 10.

Continued on page 2

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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE M17-7473 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 ECSI Building Component Safety Information available from Truss Plate Institute, 583 D'Oroville 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	E4530658
AUSTIN	HGRD1	HIP	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, FL

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NOTES

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

Concentrated Loads (lb)

Vert: 4=-116(F) 8=-116(F) 17=-644(F) 6=-116(F) 15=-92(F) 12=-644(F) 18=-116(F) 20=-116(F) 22=-116(F) 25=-116(F) 27=-116(F) 29=-116(F) 30=-116(F) 31=-92(F) 33=-92(F) 35=-92(F) 37=-92(F) 39=-92(F) 41=-92(F) 42=-92(F)

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 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, DSB-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	E4530660
AUSTIN	HGRD3	HIP	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL			7.020 s Nov 9 2007 MITek Industries, Inc. Wed Nov 21 08:43:56 2007 Page 1			

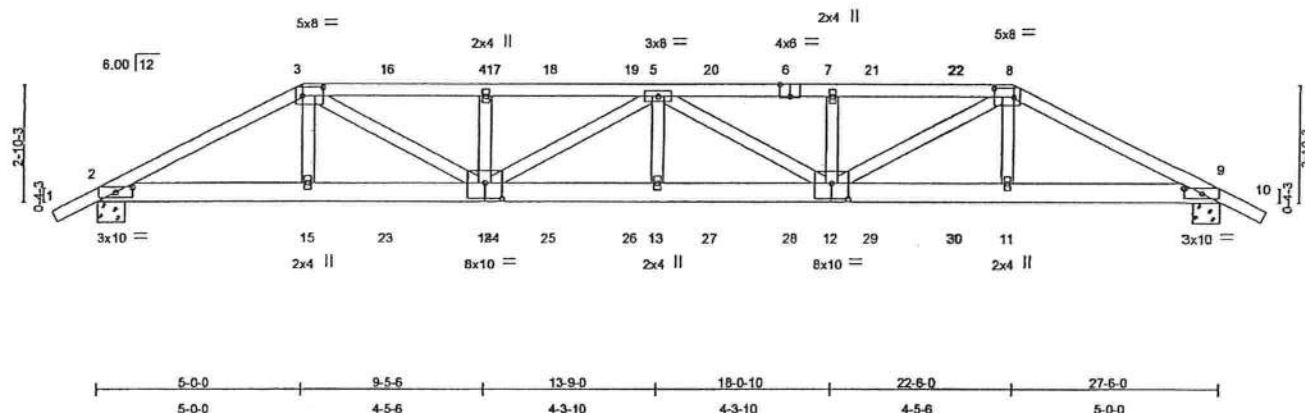
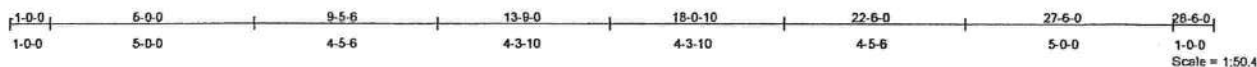


Plate Offsets (X,Y): [2:0-5-0-0-1-7], [3:0-6-0-0-2-8], [6:0-3-0-Edge], [8:0-6-0-0-2-8], [9:0-5-0-0-1-7], [12:0-5-0-0-4-8], [14:0-5-0-0-4-8]							
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	I/defl	L/d
TCLL 16.0	Plates Increase	1.25	TC 0.56	Vert(LL)	0.34	13	>944
TCDL 7.0	Lumber Increase	1.25	BC 0.74	Vert(TL)	-0.60	13	>535
BCLL 10.0	Rep Stress Incr	NO	WB 0.37	Horz(TL)	0.11	9	n/a
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)				n/a
				PLATES GRIP			
				MT20 244/180			
				Weight: 153 lb			

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 2-5-13 oc purlins.
BOT CHORD 2 X 6 SYP No.1D	BOT CHORD Rigid ceiling directly applied or 4-10-7 oc bracing.
WEBS 2 X 4 SYP No.2	

REACTIONS (lb/size) 2=2087/0-8-0, 9=2108/0-8-0
Max Horz 2=65(LC 7)
Max Uplift 2=1071(LC 7), 9=1091(LC 8)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/25, 2-3=3979/2011, 3-16=5219/2699, 16-17=5218/2699, 4-17=5218/2699, 4-18=5218/2699,
18-19=5218/2699, 5-19=5218/2699, 5-20=5240/2718, 6-20=5240/2718, 6-7=5240/2718, 7-21=5240/2717,
21-22=5240/2717, 8-22=5241/2718, 8-9=4027/2058, 9-10=0/25
BOT CHORD 2-15=1749/3479, 15-23=1746/3504, 23-24=1746/3504, 14-24=1746/3504, 14-25=2952/5861, 25-26=2952/5861,
13-26=2952/5861, 13-27=2952/5861, 27-28=2952/5861, 12-28=2952/5861, 12-29=1750/3547, 29-30=1750/3547,
11-30=1750/3547, 9-11=1754/3522
WEBS 3-15=0/415, 3-14=1029/1992, 4-14=354/388, 5-14=745/396, 5-13=0/350, 5-12=720/373, 7-12=352/383,
8-12=1009/1967, 8-11=0/430

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 1071 lb uplift at joint 2 and 1091 lb uplift at joint 9.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 236 lb down and 306 lb up at 5-0-0, 69 lb down and 132 lb up at 7-0-12, 77 lb down and 145 lb up at 9-0-12, 77 lb down and 145 lb up at 11-0-12, 77 lb down and 145 lb up at 13-0-12, 77 lb down and 145 lb up at 15-0-12, 77 lb down and 145 lb up at 17-0-12, 69 lb down and 132 lb up at 19-0-12, and 69 lb down and 132 lb up at 21-0-12, and 236 lb down and 306 lb up at 22-6-0 on top chord, and 162 lb down at 5-0-0, 57 lb down at 7-0-12, 57 lb down at 9-0-12, 57 lb down at 11-0-12, 57 lb down at 13-0-12, 57 lb down at 15-0-12, 57 lb down at 17-0-12, 57 lb down at 19-0-12, and 57 lb down at 21-0-12, and 162 lb down at 22-5-4 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

Continued on page 2

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

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ENGINEERING BY
TRENCO
A MITek Affiliate
818 Soundside Road
Edenton, NC 27832

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530660
AUSTIN	HGRD3	HIP	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, FL

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LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-3=-46, 3-8=-46, 8-10=-46, 2-9=-40

Concentrated Loads (lb)

Vert: 3=-196(F) 6=-77(F) 8=-196(F) 15=-162(F) 11=-162(F) 16=-69(F) 17=-77(F) 18=-77(F) 19=-77(F) 20=-77(F) 21=-69(F) 22=-69(F) 23=-57(F) 24=-57(F) 25=-57(F) 26=-57(F) 27=-57(F) 28=-57(F) 29=-57(F) 30=-57(F)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE M7-7473 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 BC511 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
 Eden, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530682
AUSTIN	HS1A	SPECIAL	1	1	Job Reference (optional)	
Merenda Homes Inc., Sanford, FL						
7.020 s Nov 9 2007 Mitek Industries, Inc. Wed Nov 21 08:43:57 2007 Page 1						

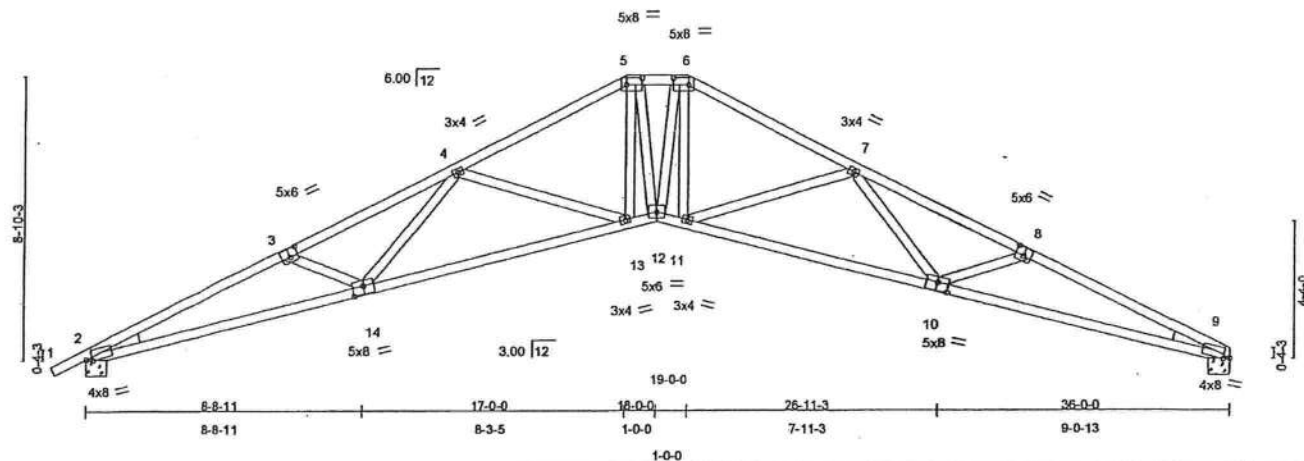
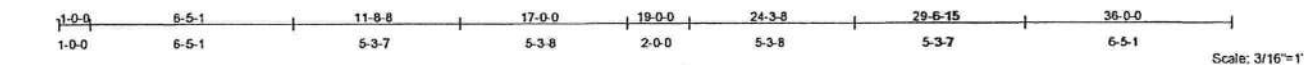


Plate Offsets (X,Y): [2-0-2.7,Edge], [3-0-3-0-0-3-0], [5-0-6-0-0-2-8], [6-0-6-0-0-2-8], [8-0-3-0-0-3-0], [9-0-2-7,Edge], [10-0-4-0-0-3-0], [14-0-4-0-0-3-0]						
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	I/defl
TCLL 16.0	Plates Increase	1.25	TC 0.88	Ver(LL)	-0.56 13-14	>782 240
TCCL 7.0	Lumber Increase	1.25	BC 0.96	Ver(TL)	-1.13 13-14	>375 180
BCLL 10.0	Rep Stress Incr	YES	WB 0.40	Horz(TL)	0.75 9	n/a n/a
BCCL 10.0	Code FBC2004/TPI2002		(Matrix)			
			PLATES GRIP			
			MT20 244/190			
			Weight: 183 lb			

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 "Except"
2-14 2 X 4 SYP No.1D, 9-10 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.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS (lb/size) 9=1518/0-8-0, 2=1585/0-8-0
Max Horz 2=159(LC 6)
Max Uplift 9=280(LC 7), 2=362(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/18, 2-3=-4842/1457, 3-4=-4669/1334, 4-5=-3450/989, 5-6=-3172/985, 6-7=-3443/991, 7-8=-4648/1350, 8-9=-4840/1507
BOT CHORD 2-14=1234/4384, 13-14=-959/3887, 12-13=-569/3082, 11-12=-571/3084, 10-11=-968/3899, 9-10=-1284/4388.
WEBS 3-14=-117/242, 4-14=-84/680, 4-13=-749/408, 5-13=-97/897, 5-12=-212/510, 6-12=-225/537, 6-11=-104/861, 7-11=-771/415, 7-10=-96/661, 8-10=-140/272

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) 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.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 280 lb uplift at joint 9 and 362 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 MI-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 fabricator, 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'Oncofrio 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	E4530664
AUSTIN	HS2A	SPECIAL	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL			7,020 s Nov 9 2007 MITek Industries, Inc. Wed Nov 21 08:43:59 2007 Page 1			

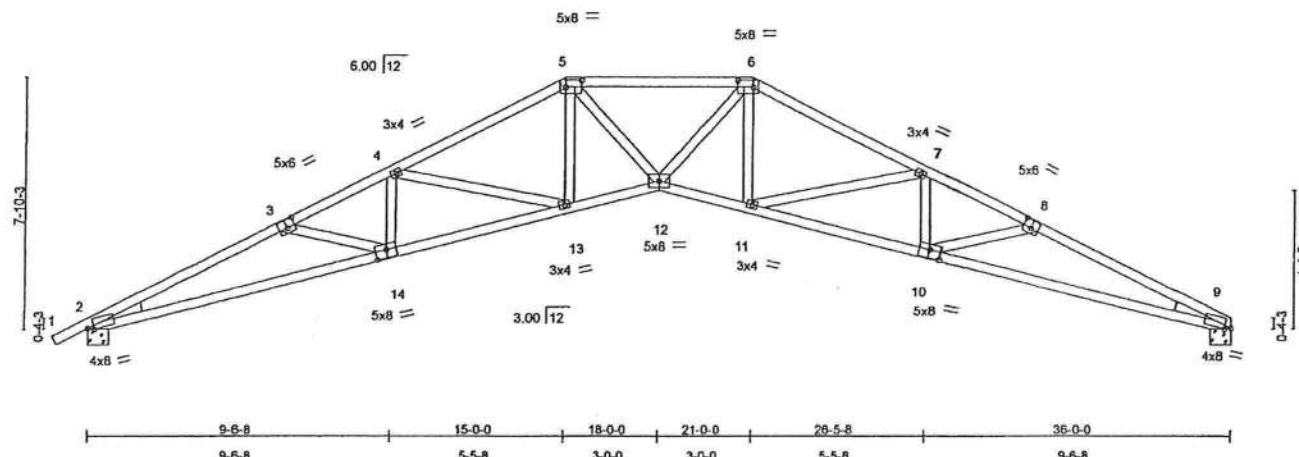
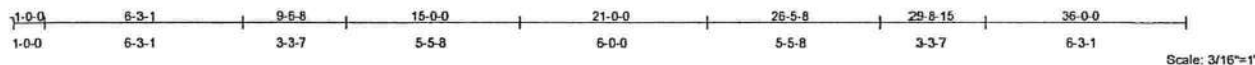


Plate Offsets (X,Y): [2:0-2.7,Edge], [3:0-3-0-0-3-0], [5:0-6-0-0-2-8], [6:0-6-0-0-2-8], [8:0-3-0-0-3-0], [8:0-2.7,Edge], [10:0-4-0-0-3-0], [14:0-4-0-0-3-0]											
LOADING (psf)		SPACING 2-0-0		CSI		DEFL		PLATES		GRIP	
TCLL 16.0		Plates Increase 1.25		TC 0.89		In (loc) l/defl L/d		MT20		244/190	
TCCL 7.0		Lumber Increase 1.25		BC 0.84		Vert(LL) -0.52 12 >814 240					
BCCL 10.0		Rep Stress Incr YES		WB 0.40		Vert(TL) -1.03 12 >411 180					
BCDL 10.0		Code FBC2004/TPI2002		(Matrix)		Horz(TL) 0.75 9 n/a n/a					
								Weight: 176 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.
BOT CHORD Rigid ceiling directly applied or 5-8-9 oc bracing.

REACTIONS (lb/size) 9=1518/0-8-0, 2=1585/0-8-0
Max Horz 2=143(LC 6)
Max Uplift 9=267(LC 7), 2=348(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/18, 2-3=4769/1492, 3-4=4607/1362, 4-5=3753/1147, 5-6=4143/1242, 6-7=3755/1151, 7-8=4619/1391, 8-9=4789/1538
BOT CHORD 2-14=1264/4321, 13-14=1068/4230, 12-13=758/3438, 11-12=762/3440, 10-11=1091/4240, 9-10=1311/4342
WEBS 3-14=91/197, 4-14=0/386, 4-13=802/303, 5-13=104/513, 5-12=226/1190, 6-12=220/1188, 6-11=108/515, 7-11=811/323, 7-10=18/395, 8-10=101/219

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) 9, 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 267 lb uplift at joint 9 and 348 lb uplift at joint 2.

LOAD CASE(S) Standard

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

ENGINEERING BY
THE TRENCO
A MITek Affiliate

818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530665
AUSTIN	HS3A	SPECIAL	1	1	Job Reference (optional)	
Maronde Homes Inc., Sanford, FL		7.020 s Nov 9 2007 Mitek Industries, Inc. Wed Nov 21 08:44:00 2007 Page 1				



Scale = 1:65.9

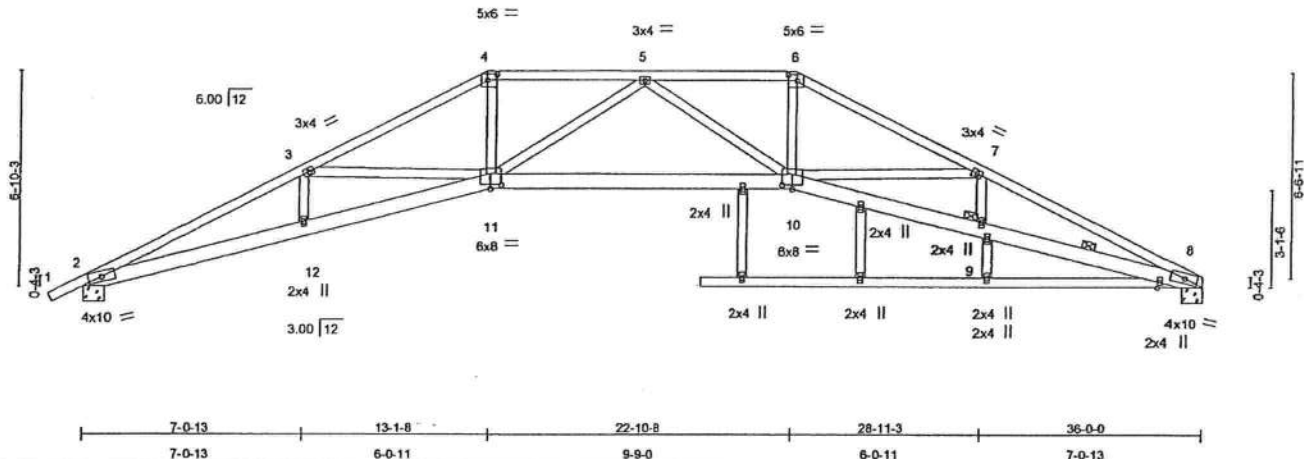


Plate Offsets (X,Y): [4:0-3-8,0-2-4], [6:0-3-8,0-2-4], [10:0-4-0,0-1-8], [11:0-4-0,0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.66	Vert(LL)	-0.51 10-11	>836	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.71	Vert(TL)	-1.03 10-11	>413	180		
BCDL 10.0	Rep Stress Incr	YES	WB 0.39	Horz(TL)	0.61 8	n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)						
									Weight: 226 lb

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.1D *Except*
10-11 2 X 6 SYP No.2, 8-13 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-3-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-3-10 oc bracing. Except:
7-1-0 oc bracing: 8-9
7-2-0 oc bracing: 9-10
JOINTS
1 Brace at Jt(s): 9

REACTIONS (lb/size) 8=1518/0-8-0, 2=1585/0-8-0
Max Horz 2=132(LC 6)
Max Uplift 8=251(LC 7), 2=333(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/22, 2-3=5018/1526, 3-4=4233/1280, 4-5=3790/1214, 5-6=3793/1221, 6-7=4237/1288, 7-8=5042/1580
BOT CHORD 2-12=1299/4530, 11-12=1300/4548, 10-11=1051/3935, 9-10=1349/4569, 8-9=1353/4553
WEBS 3-12=0/208, 3-11=866/357, 4-11=341/1603, 5-11=327/240, 5-10=325/237, 6-10=346/1605, 7-10=683/399,
7-9=0/209

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCCL=4.2psf; TCCL=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) 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 251 lb uplift at joint 8 and 333 lb uplift at joint 2.

LOAD CASE(S) Standard

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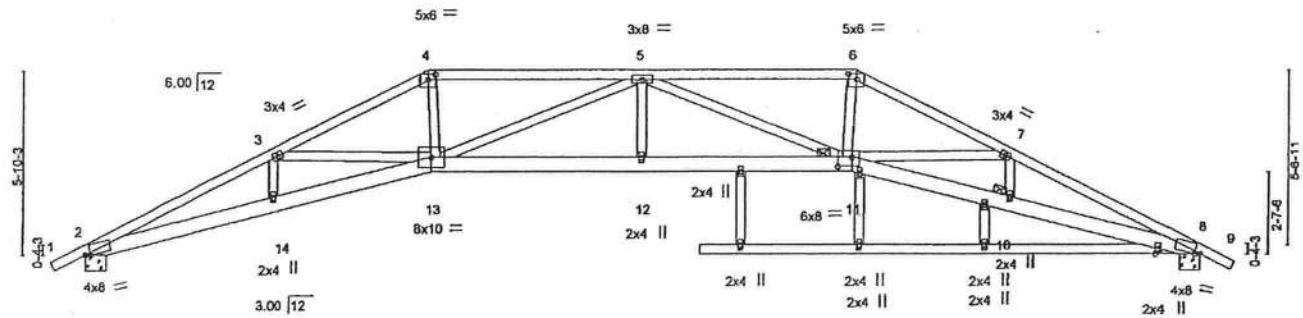
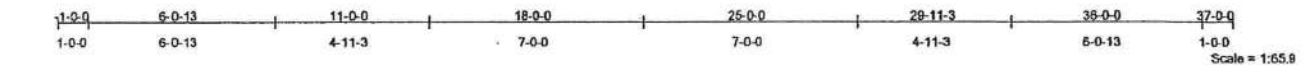
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MU-7473 BEFORE USE.
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ENGINEERING BY
TRENCO
A Mitek Affiliate
818 Soundside Road
Eden, NC 27622

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530687
AUSTIN	HS4	SPECIAL	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, FL

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8-0-13	11-1-8	18-0-0	24-10-8	29-11-3	36-0-0
6-0-13	5-0-11	6-10-8	6-10-8	6-0-11	6-0-13

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 L/d		PLATES	GRIP	
TCLL	16.0	Plates Increase 1.25		TC 0.49		Vert(LL) -0.50 12		>850		240	MT20	244/190
TCDL	7.0	Lumber Increase 1.25		BC 0.78		Vert(TL) -0.99 12-13		>428		180		
BCLL	10.0	Rep Stress Incr YES		WB 0.74		Horz(TL) 0.61 8		n/a		n/a		
BCDL	10.0	Code FBC2004/TP12002		(Matrix)								
										Weight: 229 lb		

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-6-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-6-2 oc bracing.
JOINTS 1 Brace at Jt(s): 11, 10

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

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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	E4530668
AUSTIN	HSS	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

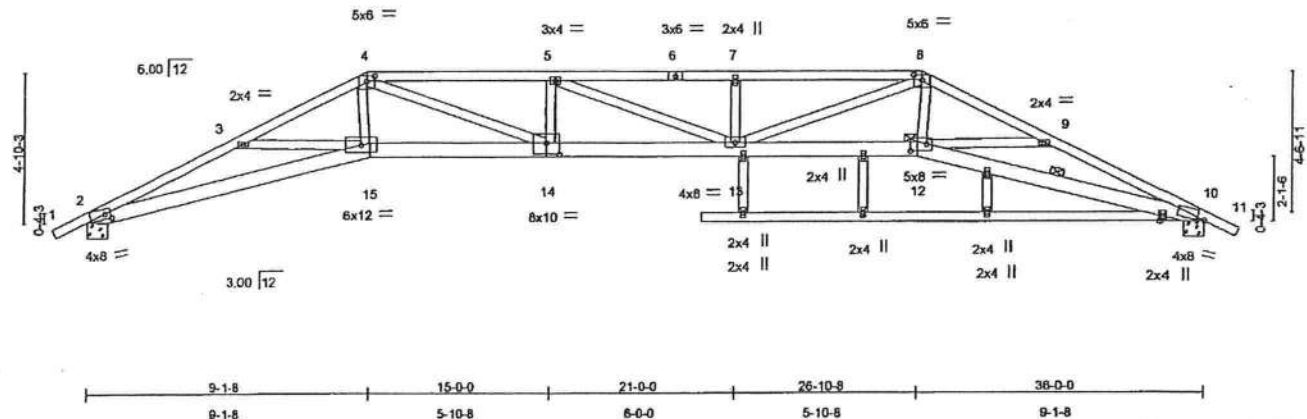
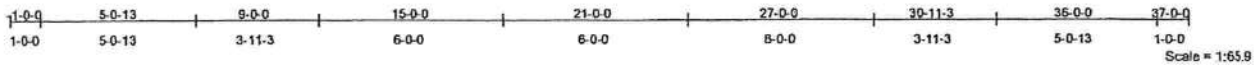


Plate Offsets (X,Y): [2-0-2-4,0-2-0], [4-0-3-0,0-2-0], [8-0-3-0,0-2-0], [10-0-2-11,0-0-9], [12-0-6-0,0-2-12], [14-0-5-0,0-4-8]									
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	L/defl	L/d	PLATES	GRIP
TCLL 18.0	Plates Increase	1.25	TC 0.57	Vert(LL)	-0.64 13-14	>665	240	MT20	244/190
TCDL 7.0	Lumber 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)					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 Jt(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=4839/1811, 10-11=0/22
BOT CHORD 2-15=1336/4371, 14-15=1088/4298, 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

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; 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, 10 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 295 lb uplift at Joint 2 and 295 lb uplift at Joint 10.

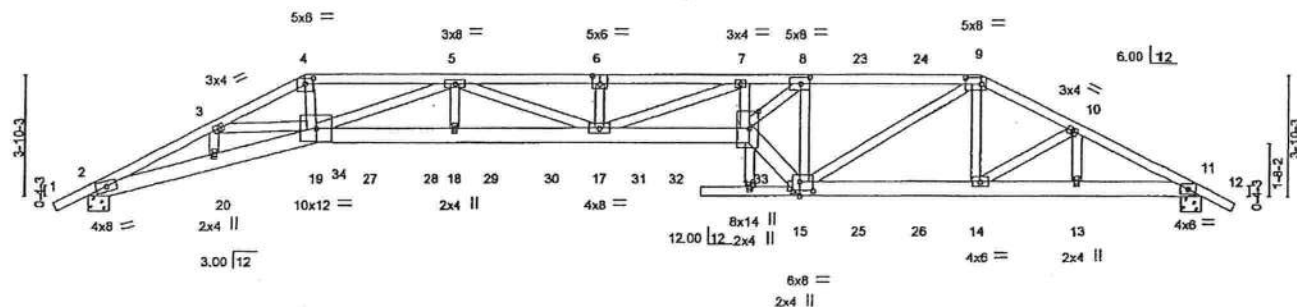
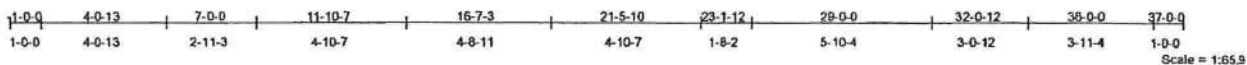
LOAD CASE(S) Standard

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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITek REFERENCE PAGE MI-7473 BEFORE USE.
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TRENCO
ENGINEERING BY
A Mittek Affiliates
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530069
AUSTIN	HSGRD1	SPECIAL	1	3	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						
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4-3-1 7-4-8 11-10-7 16-7-3 21-5-10 23-1-12 29-0-0 32-0-12 36-0-0 4-3-1 3-1-7 4-5-15 4-8-11 4-10-7 1-8-2 5-10-4 3-0-12 3-11-4									
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	BRACING
TOP CHORD 2 X 4 SYP No.1D	TOP CHORD Structural wood sheathing directly applied or 5-6-9 oc purins.
BOT CHORD 2 X 6 SYP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
16-19 2 X 6 SYP No.1D, 15-21 2 X 4 SYP No.2	
WEBS 2 X 4 SYP No.2	

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=-18762/8386, 6-7=-18762/8386, 7-8=-18144/8016, 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, 6-17=-1025/2102, 5-18=-369/769, 5-19=-4843/2383, 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; 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.
- Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1665 lb uplift at joint 11 and 1691 lb uplift at joint 2.

Continued on page 2

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ENGINEERING BY
TRENCO
A Mitek Affiliate

818 Soundside Road
Edenton, NC 27832

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

Maronde Homes Inc., Sanford, FL

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NOTES

9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 19 lb down and 72 lb up at 29-0-0, 19 lb down and 72 lb up at 27-0-12, and 19 lb down and 72 lb up at 25-0-12, and 19 lb down and 72 lb up at 23-0-12 on top chord, and 738 lb down and 433 lb up at 29-0-0, 190 lb down and 93 lb up at 27-0-12, 190 lb down and 93 lb up at 25-0-12, 190 lb down and 93 lb up at 23-1-12, 258 lb down and 185 lb up at 21-0-12, 258 lb down and 185 lb up at 19-0-12, 258 lb down and 185 lb up at 17-0-12, 258 lb down and 185 lb up at 15-0-12, 258 lb down and 185 lb up at 13-0-12, 258 lb down and 185 lb up at 11-0-12, and 258 lb down and 185 lb up at 9-0-12, and 766 lb down and 519 lb up at 7-0-12 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: 9-12=46, 4-9=46, 1-4=46, 11-15=40, 15-16=40, 16-19=40, 2-19=40

Concentrated Loads (lb)

Vert: 9=19(F) 15=190(F) 14=738(F) 8=19(F) 23=19(F) 24=19(F) 25=190(F) 26=190(F) 27=258(F) 28=258(F) 29=258(F) 30=258(F) 31=258(F) 32=258(F) 33=258(F) 34=766(F)

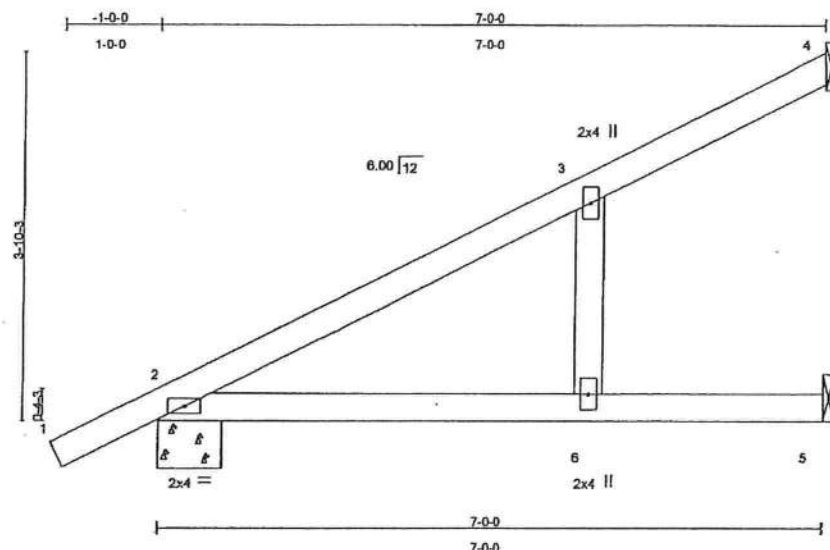
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MD-7473 BEFORE USE.

Design valid for use only with MiTek 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, DSI-89 and ICS11 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	E4530670
AUSTIN	J	MONO TRUSS	20	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						
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Scale = 1:21.5

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)	0.14	2'-6	>578	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.45	Vert(TL)	-0.26	2'-6	>308	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.02	Horz(TL)	0.01	4	n/a	n/a		
BCDL 10.0	Code FBC2004/TP12002		(Matrix)							
										Weight: 27 lb

LUMBER

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

BRACING

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

REACTIONS (lb/size) 4=136/Mechanical, 2=355/0-8-0, 5=141/Mechanical
Max Horz 2=178(LC 6)
Max Uplift 4=64(LC 6), 2=120(LC 6), 5=34(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/21, 2-3=126/10, 3-4=46/56
BOT CHORD 2-6=0/0, 5-6=0/0
WEBS 3-6=14/132

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 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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November 21, 2007

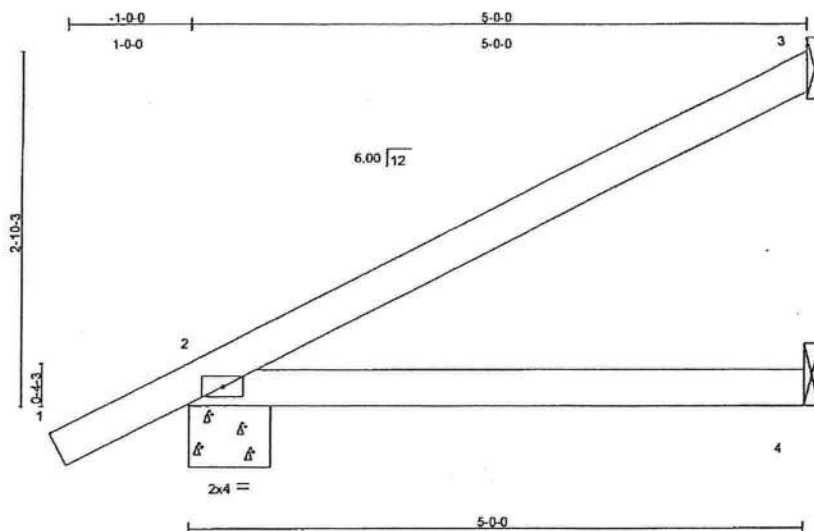
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Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530871
AUSTIN	J1	JACK	8	1	Job Reference (optional)	

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Scale = 1:16.6

LOADING (psf)	SPACING	CSI	DEFL	ln	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 18.0	2-0-0	TC 0.18	Vert(LL)	-0.02	2-4	>999	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.20	Vert(TL)	-0.06	2-4	>937	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TPI2002								
								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 Up/Eft 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=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 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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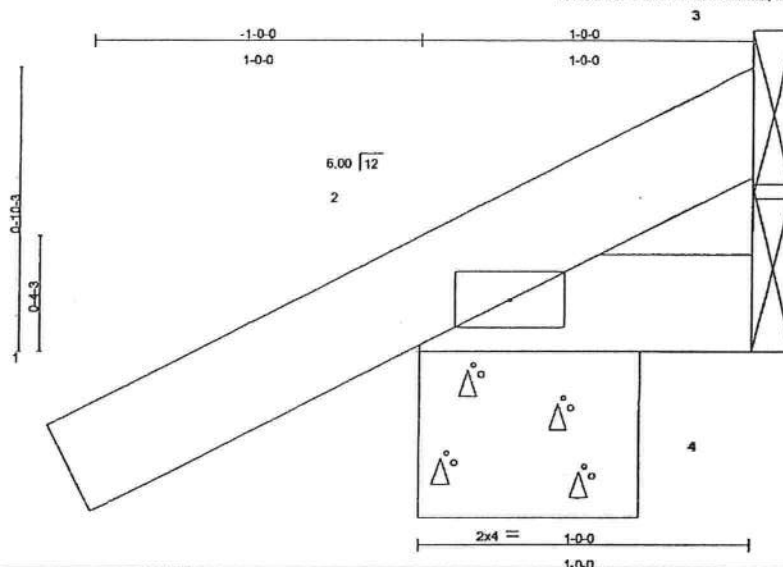
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ENGINEERING BY
TRENCO
A Mitek Affiliate

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Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530573
AUSTIN	13	JACK	8	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 16.0	Plates Increase	1.25	TC 0.11	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 purlins.
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=27/26
BOT CHORD 2-4=0/0

NOTES (6)

- 1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) 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.

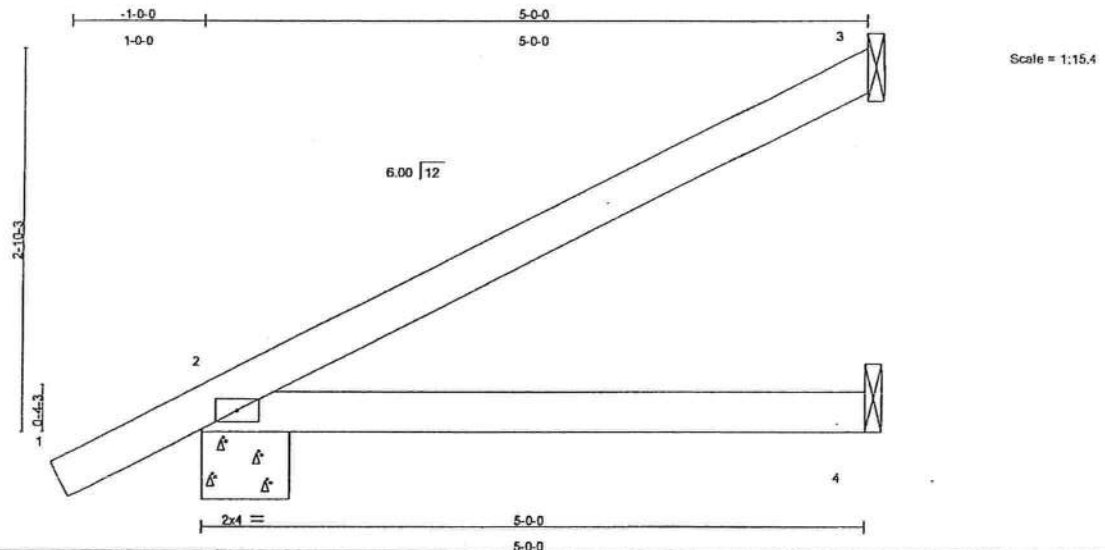
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ENGINEERING BY
TRENCO
A Mitek Alliance
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530676
AUSTIN	JSS	MONO TRUSS	5	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						
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DEFL										
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	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.20	Vert(TL)	-0.06	2-4	>937	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)							
Weight: 18 lb										

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

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

REACTIONS (lb/size) 3=96/Mechanical, 2=772/0-8-0, 4=82/Mechanical
Max Horz 2=136(LC 6)
Max Uplift 3=91(LC 8), 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=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 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

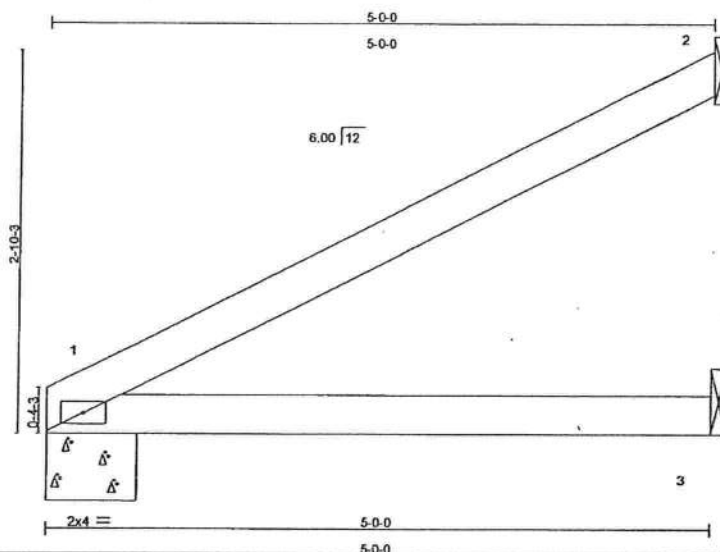
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ENGINEERING BY
TRENCO
A Mitek Affiliate

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Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530877
AUSTIN	USSA	MONO TRUSS	5	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL			7.020 s Nov 9 2007 Mitek Industries, Inc. Wed Nov 21 08:44:05 2007 Page 1			



Scale = 1:15.4

LOADING (psf)	SPACING	2'-0"	CSI	DEFL	In	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.22	Vert(LL)	-0.02	1-3	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.20	Vert(TL)	-0.06	1-3	>937	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	2	n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 16 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 1=198/0-8-0, 2=106/Mechanical, 3=92/Mechanical
Max Horz 1=104(LC 6)
Max Uplift 1=20(LC 6), 2=104(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-81/41
BOT CHORD 1-3=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 20 lb uplift at joint 1 and 104 lb uplift at joint 2.
- 5) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 2 and 3.

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 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 ECSI 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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Weight: 11 lb

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=85(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; TCDF=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 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

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

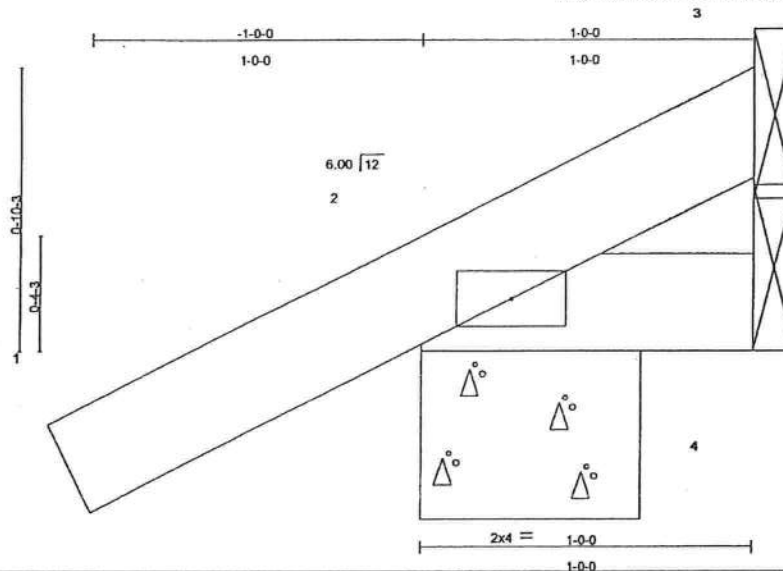
▲ WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-7473 BEFORE USE.

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. At least designer, fabricator, and erector must supervise and be trained in proper use. Additional design loading to be used for stability of structure 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 ANSIP101 Quality Criteria, D58-89 and BC511 Building Component Safety Information, available from Trus Joist Inc., 583 D'Orochio Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A MITek Affiliat

818 Soundside Road
Edenon, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530079
AUSTIN	JTS	JACK	4	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)	I/defl	L/d	PLATES	GRIP
TCLL 18.0	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 purlins.
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=27/26
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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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 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/1P11 Quality Criteria, D58-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A Mitek Alliance

818 Soundside Road
Edenton, NC 27932

Maronda Homes Inc., Sanford, FL



Weight: 46 lb

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 9-11-9 oc bracing.

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.

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

Design valid for use only with Nitek 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 ANSIP/TPI Quality Criteria, DSA-89 and BCSP Building Component Safety Information available from Truss Plate Institute, 583 D'Oroville Drive, Madison, WI 53719.

THE ENGINEERING BY
TRENCO
A Mitek Affiliate

818 Soundside Road
Edenlon, NC 27932

Maronda Homes Inc., Sanford, FL

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Weight: 27 lb

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

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

REACTIONS (lb/size) 2=358/0-8-0, 4=142/Mechanical, 3=149/Mechanical
Max Horz 2=132(LC 3)
Max Uplift 2=170(LC 7), 3=164(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/21, 2-5=79/0, 5-6=34/0, 3-6=66/42
BOT CHORD 2-7=0/0, 7-8=0/0, 4-8=0/0
WEBS 3-4=0/0

NOTES (8)

- 1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise); 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 170 lb uplift at Joint 2 and 164 lb uplift at Joint 3.
- 5) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
- 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated loads (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=-48, 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)

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.

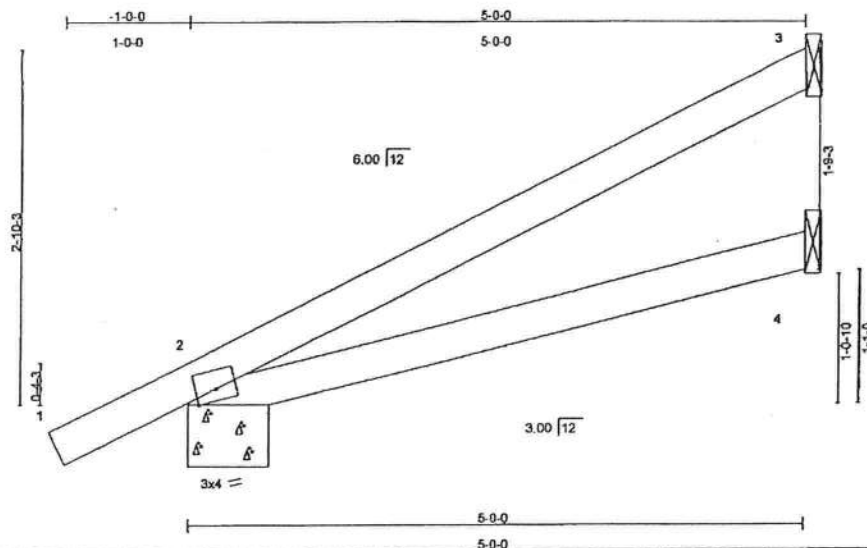
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

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 ANSIP/TPII Quality Criteria, D58-B9 and BC511 Building Component Safety Information, available from Truss Plate Institute, 583 D'Oroville Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A M&E Affiliates

818 Soundside Road
Eden, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530883
AUSTIN	JS1	SPECIAL	2	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL		7.020 s Nov 9 2007 MITek Industries, Inc. Wed Nov 21 08:44:07 2007 Page 1				



Scale = 1:15.5

LOADING (psf)	SPACING	2'-0"	CSI	DEFL	In	(loc)	I/def	L/d	PLATES	GRIP
TCLL 18.0	Plates Increase	1.25	TC 0.18	Vert(LL)	-0.02	2-4	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.20	Vert(TL)	-0.06	2-4	>909	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: 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" oc purlins.
BOT CHORD Rigid ceiling directly applied or 10'-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 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 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

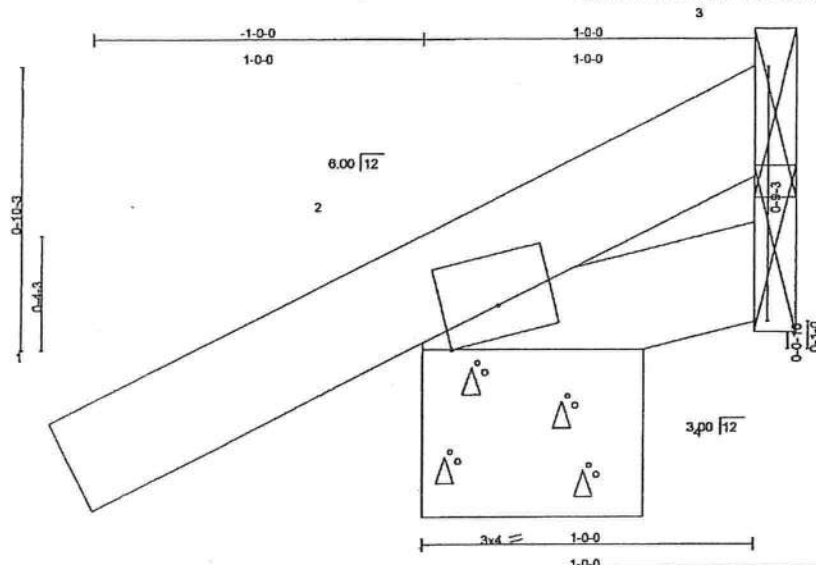
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIT-7473 BEFORE USE.

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, DSI-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 O'Conor 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	E4530065
AUSTIN	US3	SPECIAL	2	1	Job Reference (optional)	
Meronda Homes Inc., Sanford, FL			7.020 s Nov 9 2007 MITek Industries, Inc. Wed Nov 21 08:44:08 2007 Page 1			



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	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.01	Vert(TL)	-0.00	2	>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: 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 (8)

- 1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) 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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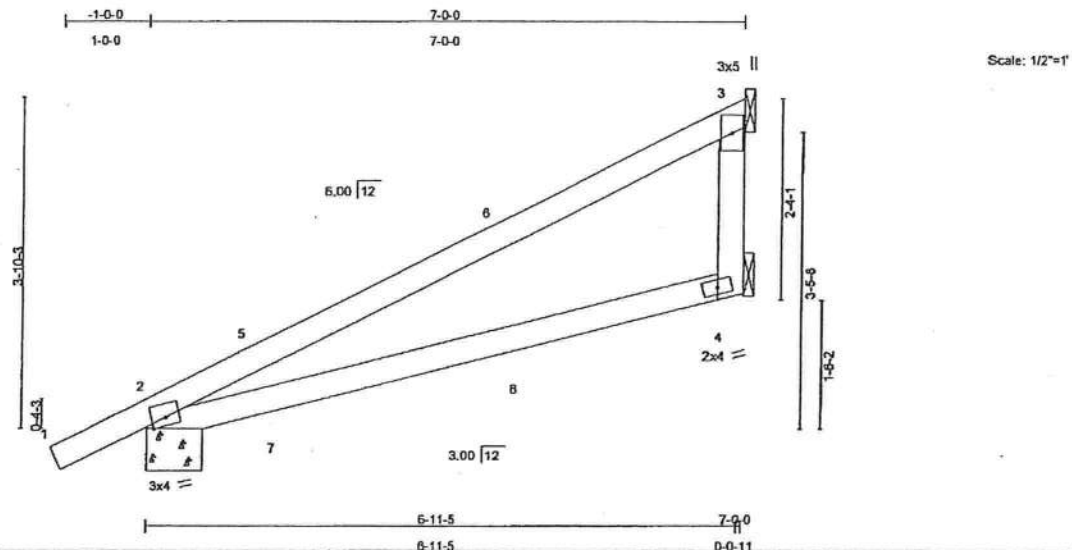


WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MI-7473 BEFORE USE.
Design void for use only with Mittek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper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

ENGINEERING BY
TRENCO
A Mittek Affiliate

818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	City	Ply	AUSTIN_FL_125	E4530888
AUSTIN	JSA	SPECIAL	8	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL		7.020 s Nov 9 2007 Mittek Industries, Inc. Wed Nov 21 08:44:08 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 0.49	Vert(LL)	-0.10	2-4	>754	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.45	Vert(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/TP12002		(Matrix)							
									Weight: 27 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 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; 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/TP1 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)

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 M11-7473 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/TP11 Quality Criteria, D31-89 and SCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio 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	E4530687
AUSTIN	JSGRD1	SPECIAL	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						
7.020 s Nov 9 2007 MITek Industries, Inc. Wed Nov 21 08:44:09 2007 Page 1						

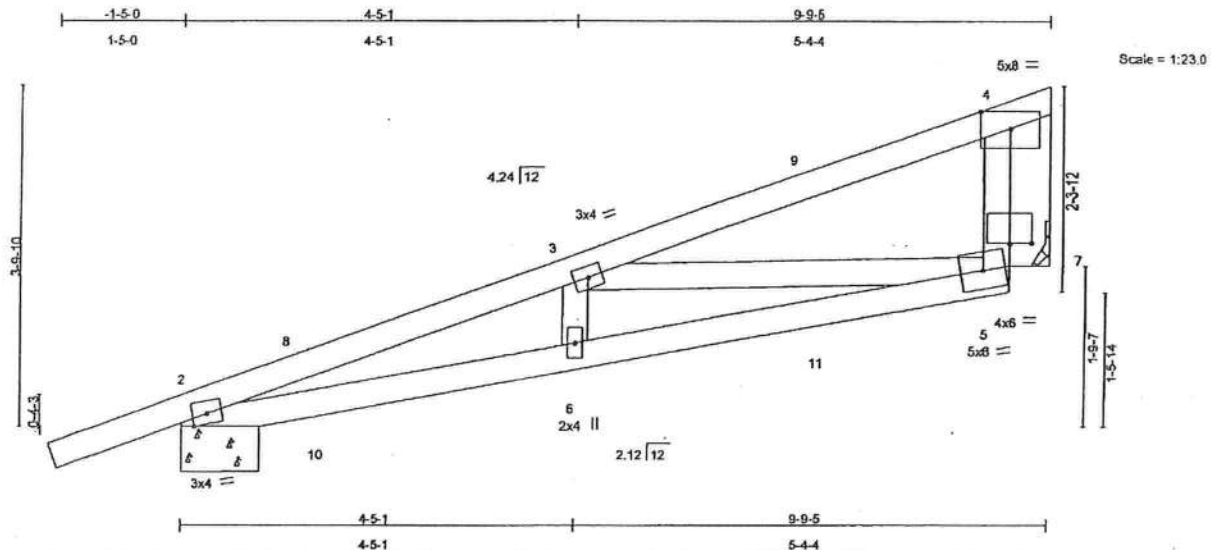


Plate Offsets (X,Y): [5:0-3:0-0-0-1]						
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	I/def
TCLL 18.0	Plates Increase	1.25	TC 0.41	Vert(LL)	-0.05	5-6 >999
TCDL 7.0	Lumber Increase	1.25	BC 0.48	Vert(TL)	-0.11	5-6 >999
BCLL 10.0	Rep Stress Incr	NO	WB 0.30	Horz(TL)	0.02	7 n/a
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)			
				PLATES	GRIP	
				MT20	244/190	
				Weight: 46 lb		

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 5-4-11 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 7-4-11 oc bracing.
WEBS 2 X 4 SYP No.2	
OTHERS 2 X 6 SYP No.2	

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=-698/1253, 6-10=-688/1266, 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; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60.
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) 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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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 is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-87 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	E4530688
AUSTIN	M1	MONO TRUSS	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL			7.020 s Nov 9 2007 Mitek Industries, Inc. Wed Nov 21 08:44:09 2007 Page 1			

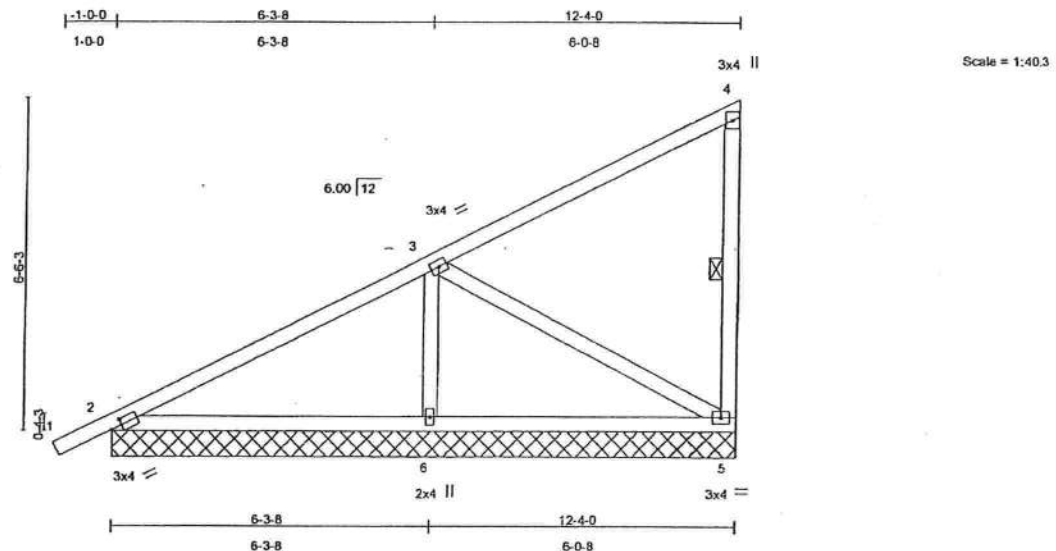


Plate Offsets (X,Y): [2-0-2-10-0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.25	Vert(LL)	0.01	1	n/r	120	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.34	Vert(TL)	0.04	1	n/r	120		
BCLL 10.0	Rep Stress Incr	YES	WB 0.05	Horz(TL)	-0.00	5	n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 63 lb	

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 4-5

REACTIONS (lb/size) 5=215/12-4-0, 2=288/12-4-0, 6=594/12-4-0
 Max Horz 2=288(LC 6)
 Max Uplift 5=117(LC 6), 2=61(LC 6), 6=140(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/21, 2-3=151/28, 3-4=93/28, 4-5=105/126
 BOT CHORD 2-6=98/43, 5-6=98/43
 WEBS 3-6=303/255, 3-5=25/99

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 117 lb uplift at joint 5, 61 lb uplift at joint 2 and 140 lb uplift at joint 6.

LOAD CASE(S) Standard

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 November 21, 2007

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	Qty	Ply	AUSTIN_FL_125	E4530689
AUSTIN	MH1	SPECIAL	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						

7,020 s Nov 9 2007 MITek Industries, Inc. Wed Nov 21 08:44:10 2007 Page 1

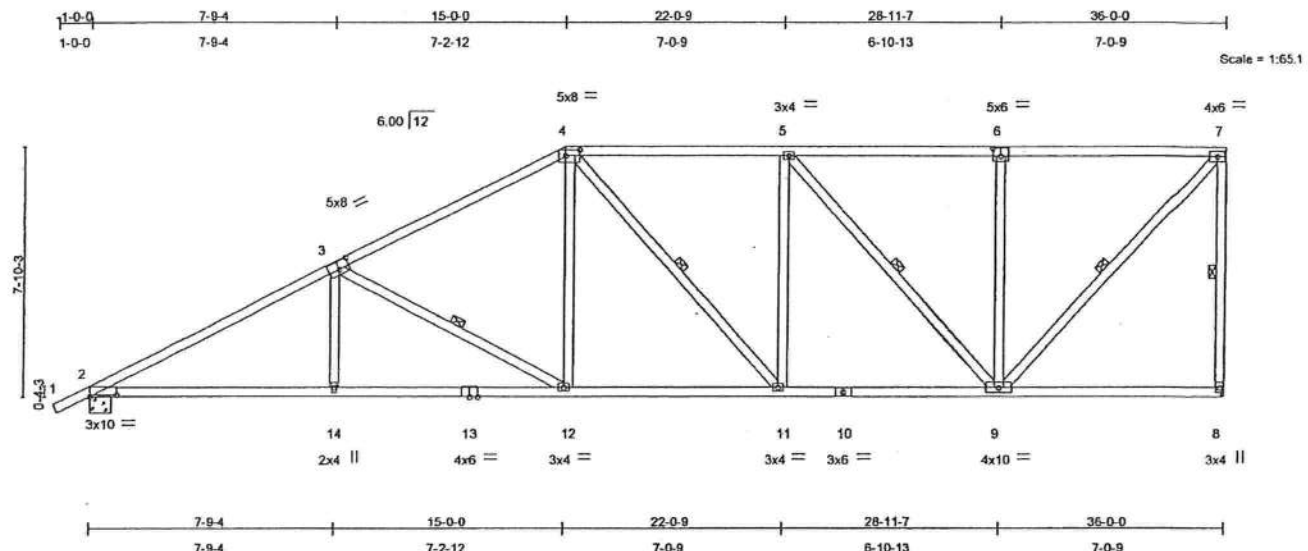


Plate Offsets (X,Y): [2:0-10-0-0-10], [3:0-4-0-0-3-0], [4:0-5-8-0-2-4], [6:0-3-0-0-3-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.52	Vert(LL)	-0.16	2-14	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.80	Vert(TL)	-0.34	2-14	>999	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.35	Horz(TL)	-0.10	2	n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)							
										Weight: 216 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 3-2-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-2-7 oc bracing.
WEBS 1 Row at midpt 7-8, 7-9, 5-9, 4-11, 3-12

REACTIONS (lb/size) 8=1526/Mechanical, 2=1593/8-8
Max Horz 8=345(LC 6)
Max Uplift 8=362(LC 5), 2=329(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 7-8=1396/603, 4-5=1748/668, 5-6=1170/441, 6-7=1170/441, 1-2=0/21, 2-3=2771/812, 3-4=2063/706
BOT CHORD 2-14=562/2390, 13-14=564/2383, 12-13=564/2383, 11-12=298/1787, 10-11=264/1748, 9-10=264/1748, 8-9=0/393
WEBS 7-9=637/1689, 6-9=330/317, 5-9=856/337, 5-11=9/315, 4-11=103/121, 4-12=58/610, 3-12=691/304, 3-14=0/333

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 382 lb uplift at joint 8 and 329 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	E4530690
AUSTIN	MH2	SPECIAL	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						

7.020 s Nov 9 2007 MITEK Industries, Inc. Wed Nov 21 08:44:10 2007 Page 1

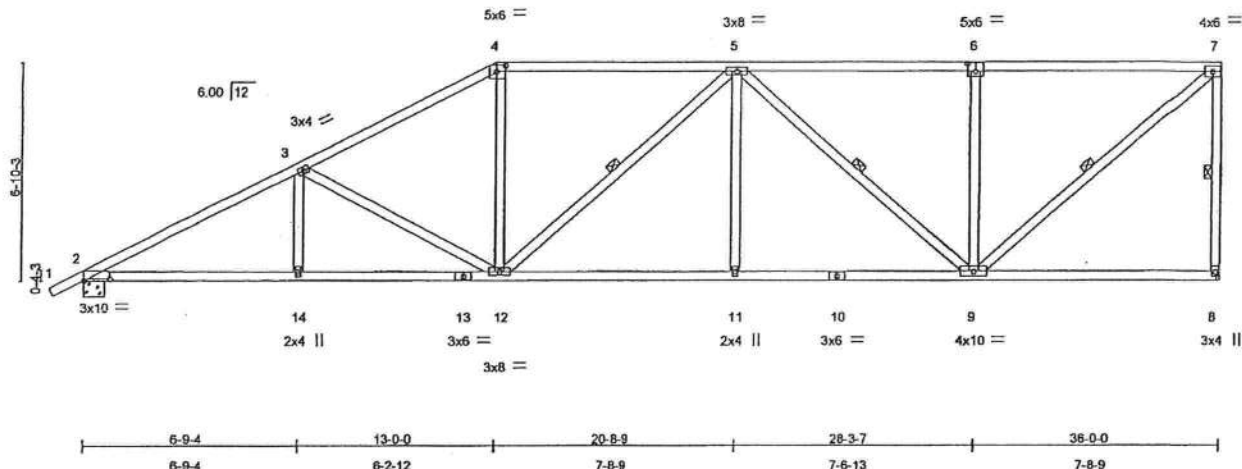
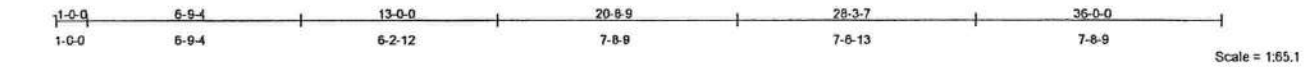


Plate Offsets (X,Y): [2:0-10-0-0-0-10], [4:0-3-8-0-2-4], [6:0-3-0-0-3-0]									
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.38	Vert(LL)	-0.18 11-12	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.63	Vert(TL)	-0.39 11-12	>999	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.43	Horz(TL)	-0.11 2	n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)						
								Weight: 206 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 3-5-5 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 8-0-4 oc bracing.
WEBS 2 X 4 SYP No.2	WEBS 1 Row at midpt 7-8, 7-9, 5-9, 5-12

REACTIONS (lb/size) 8=1526/Mechanical, 2=1593/0-8-0
Max Horz B=304(LC 6)
Max Uplift=365(LC 6), 2=318(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 7-8=1381/601, 4-5=1957/757, 5-6=1451/541, 6-7=1451/541, 1-2=0/21, 2-3=2807/852, 3-4=2234/774
BOT CHORD 2-14=608/2424, 13-14=608/2424, 12-13=608/2424, 11-12=430/2084, 10-11=430/2084, 9-10=430/2084, 8-9=0/341
WEBS 7-9=693/1858, 8-9=358/343, 5-9=837/327, 5-11=0/305, 5-12=168/139, 4-12=54/649, 3-12=547/238, 3-14=0/273

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 365 lb uplift at joint 8 and 318 lb uplift at joint 2.

LOAD CASE(S) Standard

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

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530691
AUSTIN	MH3	SPECIAL	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						

7.020 s Nov 9 2007 Mitek Industries, Inc. Wed Nov 21 08:44:11 2007 Page 1

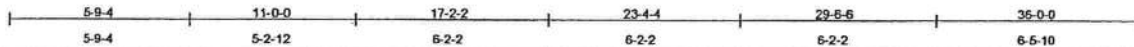
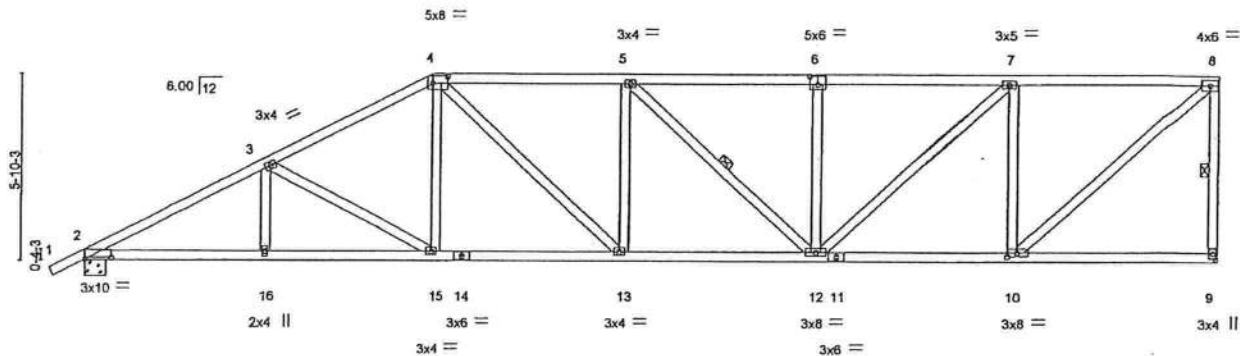


Plate Offsets (X,Y): [2:0-10-0-0-10], [4:0-6-0-0-2-8], [6:0-3-0-0-3-0], [10:0-3-8-0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.27	Vert(LL)	-0.18 12-13	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.58	Vert(TL)	-0.36 12-13	>999	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.75	Horz(TL)	-0.11 2	n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)						
									Weight: 209 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

REACTIONS (lb/size) 9=1526/Mechanical, 2=1593/0-8-0
Max Horz 9=262(LC 6)
Max Uplift 9=368(LC 5), 2=305(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/21, 2-3=-2840/884, 3-4=-2382/835, 4-5=-2478/829, 5-6=-2269/842, 6-7=-2269/842, 7-8=-1479/546, 8-9=-1403/590
BOT CHORD 2-16=-647/2454, 15-16=-647/2454, 14-15=-490/2095, 13-14=-490/2095, 12-13=-618/2478, 11-12=-234/1479, 10-11=-234/1479, 9-10=0/296
WEBS 3-16=0/225, 3-15=-422/182, 4-15=-21/432, 4-13=-196/515, 5-13=-97/207, 5-12=-281/117, 6-12=-279/259, 7-12=-398/1063, 7-10=-1008/553, 8-10=-708/1915

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 368 lb uplift at joint 9 and 305 lb uplift at joint 2.

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	E4530892
AUSTIN	MH4	SPECIAL	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, FL

7.020 s Nov 9 2007 Mitek Industries, Inc. Wed Nov 21 08:44:11 2007 Page 1



Scale = 1:65.1

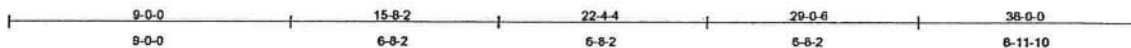
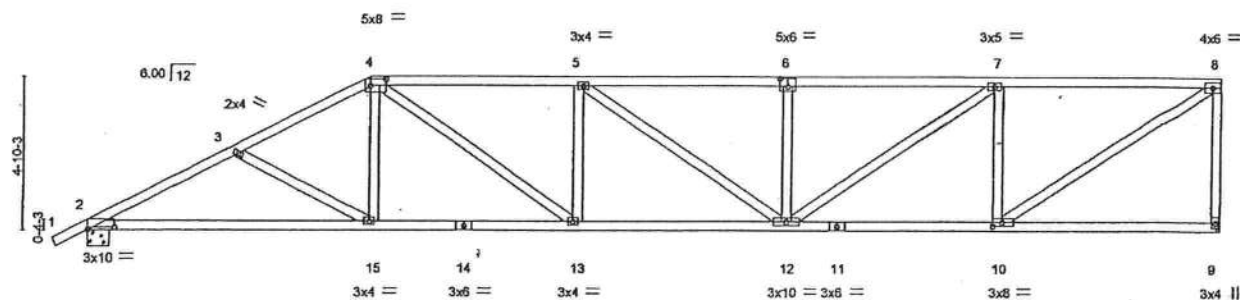


Plate Offsets (X,Y): [2:0-10-0-0-14], [4:0-6-0-0-2-8], [6:0-3-0-0-3-0], [10:0-3-8-0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	l/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		(Matlrx)						
								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 purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-10-14 oc bracing.

REACTIONS (lb/size) 9=1526/Mechanical, 2=1593/0-8-0
Max Horz 9=221(LC 6)
Max Uplift 9=370(LC 5), 2=296(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=968/545, 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 296 lb uplift at joint 2.

LOAD CASE(S) Standard

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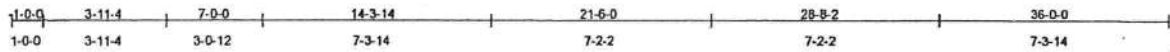
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITK REFERENCE PAGE MD-T473 BEFORE USE.
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ENGINEERING BY
TRENCO
A Mitek Alliance
818 Soundside Road
Edenton, NC 27932

Job AUSTIN	Truss MHGRD1	Truss Type SPECIAL	Qty 1	Ply 2	AUSTIN_FL_125	E4530693
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Maronda Homes Inc., Sanford, FL

7,020 s Nov 9 2007 Mitek Industries, Inc. Wed Nov 21 08:44:12 2007 Page 1



Scale = 1:65.4

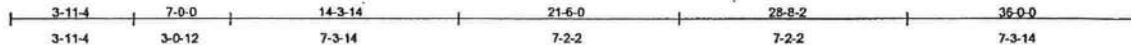
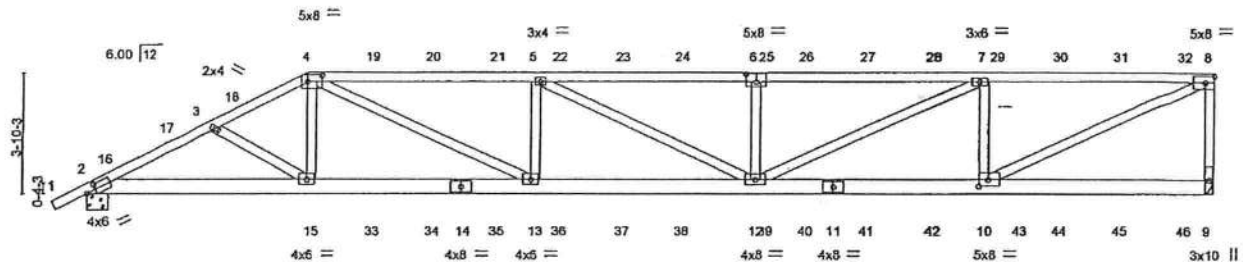


Plate Offsets (X,Y): [2:0-3-10-0-2-0], [4:0-5-8-0-2-4], [6:0-4-0-0-3-0], [10:0-3-8-0-2-8]

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=3458/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=8512/3586, 16-17=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; 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.
- Refer to girder(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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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 ANS/TP1 Quality Criteria, D58-89 and 8 CSI Building Component Safety Information available from Truss Plate Institute, 383 D'Oroville Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A MITEK Alliance
618 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530893
AUSTIN	MHGRD1	SPECIAL	1	2	Job Reference (optional)	

Maronda Homes Inc., Sanford, FL

7.020 s Nov 9 2007 MITek Industries, Inc. Wed Nov 21 08:44:12 2007 Page 2

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 MD-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/AP11 Quality Criteria, USS-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Oroffo Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A Mittek Affiliate

618 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530694
AUSTIN	RG1	GABLE	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						
7.020 s Nov 9 2007 Mitek Industries, Inc. Wed Nov 21 08:44:13 2007 Page 1						

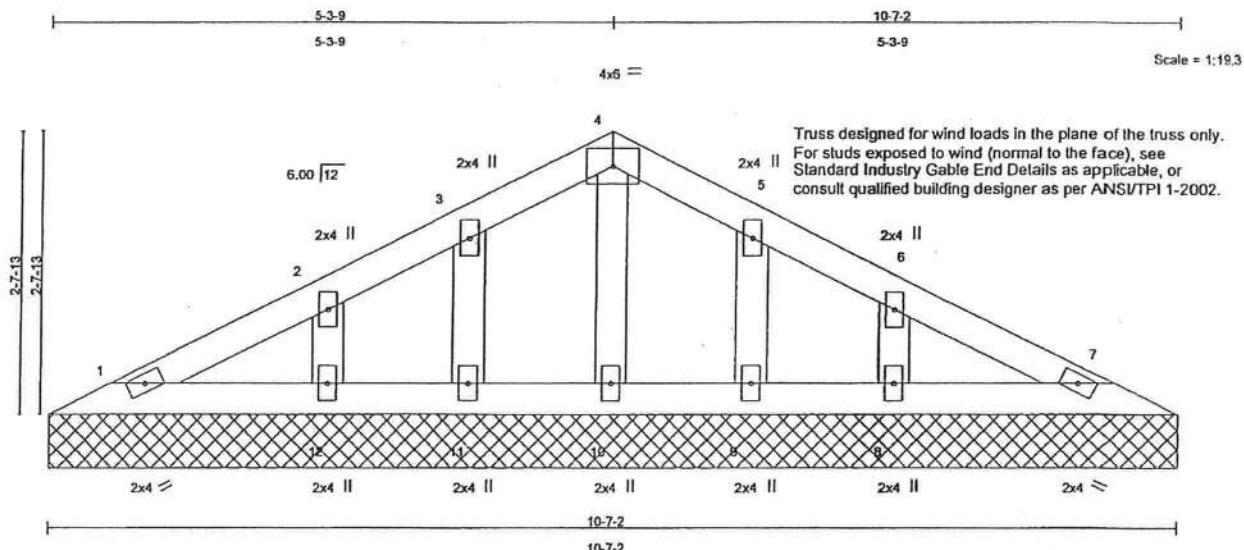


Plate Offsets (X,Y): [5:0-0-0 0-0-0] [6:0-0-0 0-0-0]									
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES
TCLL 16.0	Plates Increase	1.25	TC 0.04	Vert(LL)	n/a	-	n/a	999	MT20
TCDL 7.0	Lumber Increase	1.25	BC 0.03	Vert(TL)	n/a	-	n/a	999	GRIP
BCLL 10.0	Rep Stress Incr	YES	WB 0.02	Horz(TL)	0.00	7	n/a	n/a	244/190
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)						Weight: 41 lb

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

REACTIONS (lb/size) 1=74/10-7-2, 7=74/10-7-2, 10=119/10-7-2, 11=91/10-7-2, 12=178/10-7-2, 9=91/10-7-2, 8=178/10-7-2
Max Horz 1=44(LC 4)
Max Uplift 1=23(LC 7), 7=21(LC 7), 11=56(LC 6), 12=112(LC 6), 9=55(LC 7), 8=113(LC 7)
Max Grav 1=74(LC 1), 7=74(LC 1), 10=119(LC 1), 11=94(LC 10), 12=178(LC 1), 9=94(LC 11), 8=178(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=42/27, 2-3=25/65, 3-4=20/112, 4-5=20/112, 5-6=25/65, 6-7=24/19
BOT CHORD 1-12=0/51, 11-12=0/51, 10-11=0/51, 9-10=0/51, 8-9=0/51, 7-8=0/51
WEBS 4-10=59/7, 3-11=53/94, 2-12=92/161, 5-9=53/94, 6-8=92/161

- NOTES
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 - 3) 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 23 lb uplift at joint 1, 21 lb uplift at joint 7, 56 lb uplift at joint 11, 112 lb uplift at joint 12, 55 lb uplift at joint 9 and 113 lb uplift at joint 8.

LOAD CASE(S) Standard

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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and ECSI1 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	E4530697
AUSTIN	S1B	SPECIAL	5	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						
7.020 s Nov 9 2007 MTEK Industries, Inc. Wed Nov 21 08:44:15 2007 Page 1						

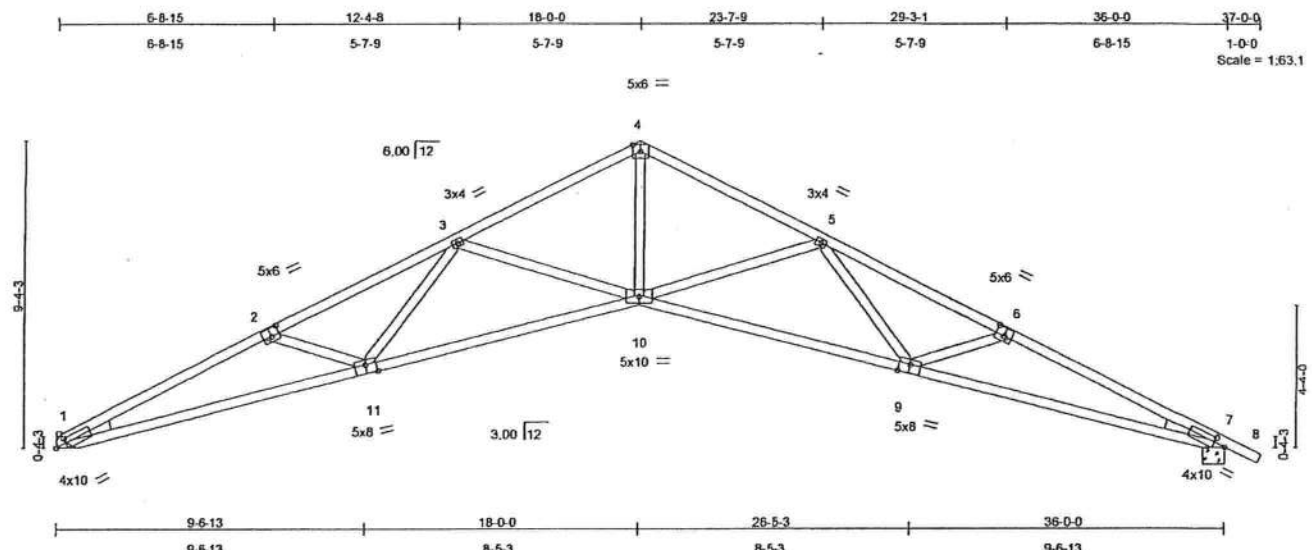


Plate Offsets (X,Y): [1:0-4-1.0-1-12], [2:0-3-0.0-3-0], [6:0-3-0.0-3-0], [7:0-4-1.0-1-12], [9:0-4-0.0-3-4], [11:0-4-0.0-3-4]						
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/defl
TCLL 16.0	Plates Increase	1.25	TC 0.74	Vert(LL)	-0.53	9-10 >797
TCDL 7.0	Lumber Increase	1.25	BC 0.82	Vert(TL)	-1.07	9-10 >395
BCCL 10.0	Rep Stress Incr	YES	WB 0.49	Horz(TL)	0.73	7 n/a
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)			
			PLATES GRIP			
			MT20 244/190			
			Weight: 168 lb			

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except*
1-2 2 X 4 SYP No.1D, 6-8 2 X 4 SYP No.1D
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 2-3-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-1 oc bracing.

REACTIONS (lb/size) 1=1518/Mechanical, 7=1585/0-8-0
Max Horz 1=166(LC 7)
Max Uplift 1=286(LC 6), 7=368(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=4831/1449, 2-3=4802/1269, 3-4=3320/885, 4-5=3320/885, 5-6=4589/1239, 6-7=4813/1409, 7-8=0/18
BOT CHORD 1-11=1186/4387, 10-11=822/3814, 9-10=811/3809, 7-9=1145/4368
WEBS 2-11=183/306, 3-11=118/722, 3-10=812/428, 4-10=563/2647, 5-10=807/417, 5-9=93/711, 6-9=176/290

- 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) 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) Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 286 lb uplift at joint 1 and 368 lb uplift at joint 7.

LOAD CASE(S) Standard

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November 21, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-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	E4530700
AUSTIN	T2	COMMON	4	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						
7.020 s Nov 9 2007 Mitek Industries, Inc. Wed Nov 21 08:44:17 2007 Page 1						

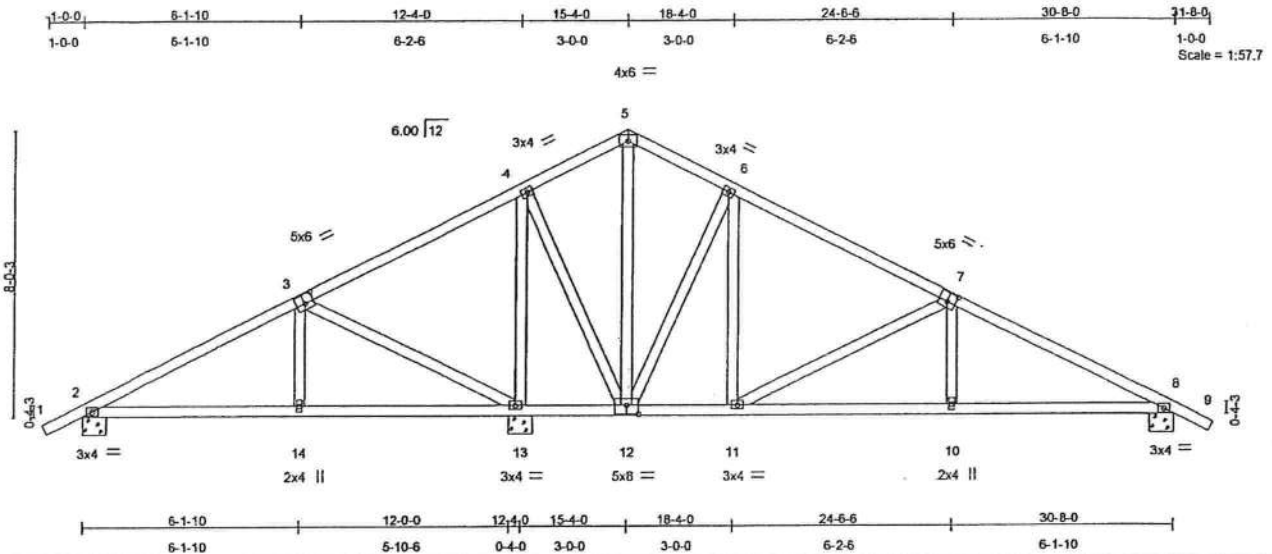


Plate Offsets (X,Y): [3-0-3-0-0-3-0], [7-0-3-0-0-3-0], [12-0-4-0-0-3-0]						
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl
TCCL 16.0	Plates Increase	1.25	TC 0.28	Vert(LL)	0.08	2-14 >999
TCCL 7.0	Lumber Increase	1.25	BC 0.33	Vert(TL)	-0.10	10-11 >999
BCCL 10.0	Rep Stress Incr	YES	WB 0.67	Horz(TL)	0.02	8 n/a
BCCL 10.0	Code FBC2004/TPI2002		(Matrix)			
			PLATES GRIP			
			MT20 244/190			
			Weight: 177 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, Except:
6-0-0 oc bracing: 12-13.

REACTIONS (lb/size) 2=364/0-8-0, 13=1651/0-8-0, 8=694/0-8-0
Max Horz 2=141(LC 6)
Max Uplift 2=302(LC 6), 13=556(LC 6), 8=212(LC 7)
Max Grav 2=408(LC 10), 13=1651(LC 1), 8=708(LC 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/21, 2-3=345/382, 3-4=178/495, 4-5=24/101, 5-6=35/96, 6-7=370/102, 7-8=979/172, 8-9=0/21
BOT CHORD 2-14=228/257, 13-14=224/250, 12-13=390/422, 11-12=0/271, 10-11=48/808, 8-10=46/815
WEBS 3-14=318/269, 3-13=628/701, 4-13=1143/476, 4-12=194/808, 5-12=99/28, 6-12=649/296, 6-11=69/487,
7-11=805/258, 7-10=0/272

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; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) 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 302 lb uplift at joint 2, 556 lb uplift at joint 13 and 212 lb uplift at joint 8.

LOAD CASE(S) Standard

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

Maronda Homes Inc., Sanford, FL

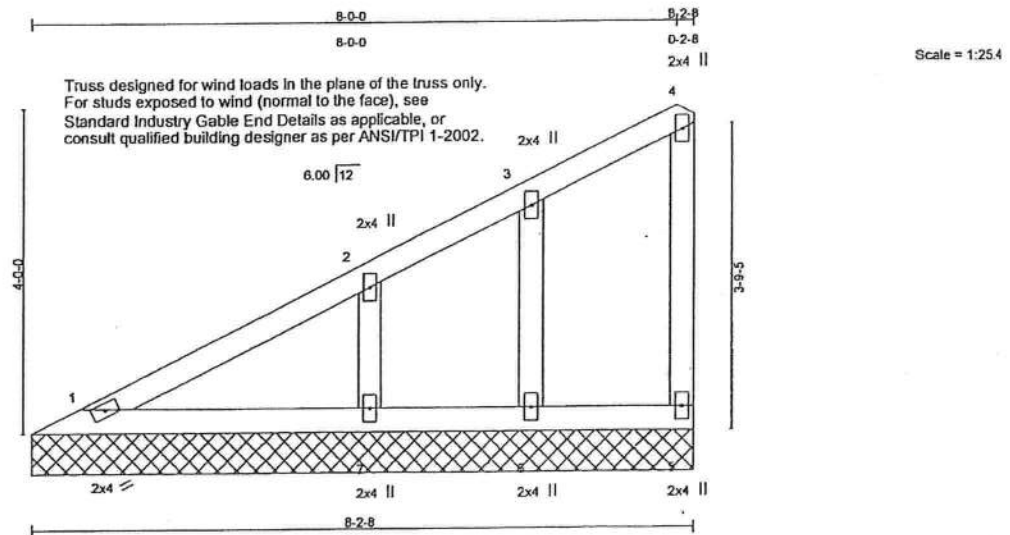
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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530702
AUSTIN	V10	GABLE	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						7.020 s Nov 9 2007 Mitek Industries, Inc. Wed Nov 21 08:44:18 2007 Page 1



LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.09	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: 36 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" oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10'-0" oc bracing.

REACTIONS (lb/size) 1=126/8-2-8, 5=72/8-2-8, 6=129/8-2-8, 7=312/8-2-8
 Max Horz 1=154(LC 6)
 Max Uplift 5=26(LC 6), 6=48(LC 6), 7=114(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=170/44, 2-3=71/10, 3-4=27/13, 4-5=39/45
 BOT CHORD 1-7=0/0, 6-7=0/0, 5-6=0/0
 WEBS 3-6=70/81, 2-7=167/105

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 26 lb uplift at joint 5, 48 lb uplift at joint 6 and 114 lb uplift at joint 7.

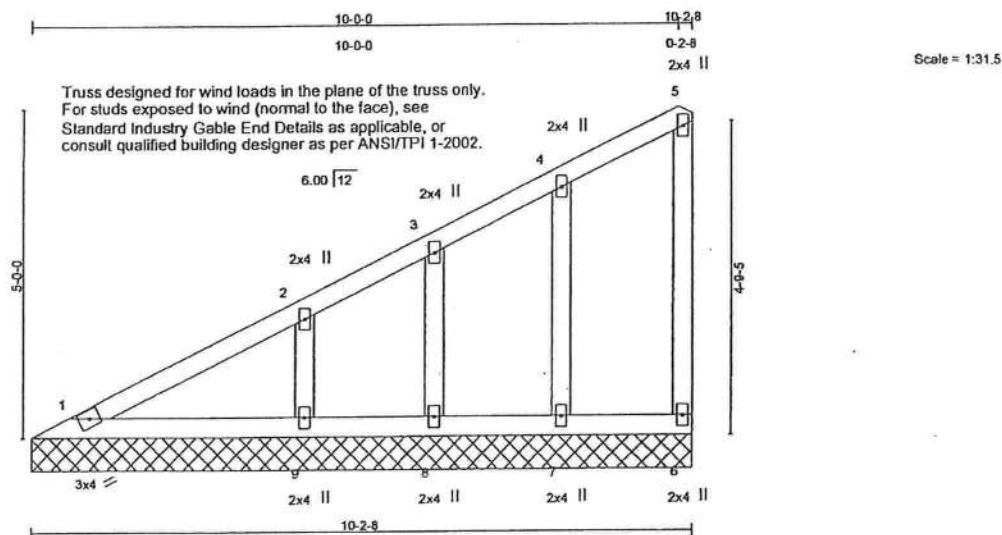
LOAD CASE(S) Standard

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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	E4530703
AUSTIN	V11	GABLE	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						7.020 s Nov 9 2007 MITek Industries, Inc. Wed Nov 21 08:44:18 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 0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.10	Vert(TL)	n/a	-	n/a	999		
BCLL 10.0	Rep Stress Incr	YES	WB 0.02	Horz(TL)	0.00	6	n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)						Weight: 49 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.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=127/10-2-8, 6=66/10-2-8, 7=191/10-2-8, 8=114/10-2-8, 9=315/10-2-8
Max Horz 1=198(LC 6)
Max Uplift 6=26(LC 6), 7=66(LC 6), 8=43(LC 6), 9=114(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-214/40, 2-3=-126/8, 3-4=-82/21, 4-5=-24/14, 5-6=-35/41
BOT CHORD 1-9=-2/2, 8-9=-2/2, 7-8=-2/2, 6-7=-2/2
WEBS 4-7=-101/113, 3-8=-64/82, 2-9=-164/168

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 26 lb uplift at joint 6, 66 lb uplift at joint 7, 43 lb uplift at joint 8 and 114 lb uplift at joint 9.

LOAD CASE(S) Standard

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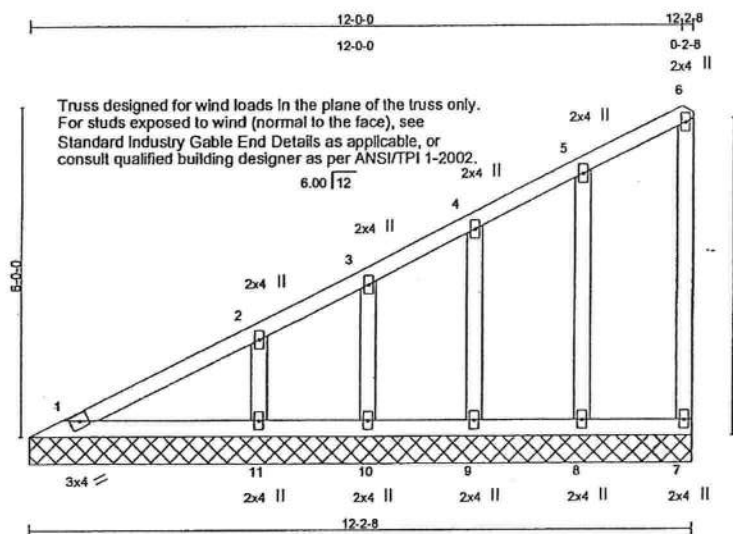


WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MI-7473 BEFORE USE.
Design valid for use only with Mittek connection. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper 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, D58-87 and SCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Orazio 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	E4530704
AUSTIN	V12	GABLE	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						7,020 s Nov 9 2007 Mitek Industries, Inc. Wed Nov 21 08:44:18 2007 Page 1



Scale = 1:37.7

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	I/def	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.09	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.10	Vert(TL)	n/a	-	n/a		
BCLL 10.0	Rep Stress Incr	YES	WB 0.03	Horz(TL)	0.00	7	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)						
									Weight: 64 lb

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.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=127/12-2-8, 7=69/12-2-8, 8=173/12-2-8, 9=186/12-2-8, 10=114/12-2-8, 11=315/12-2-8
Max Horz 1=237(LC 6)
Max Uplift 7=28(LC 6), 8=60(LC 6), 9=69(LC 6), 10=42(LC 6), 11=115(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=265/41, 2-3=178/8, 3-4=135/21, 4-5=78/18, 5-6=24/15, 6-7=37/42
BOT CHORD 1-11=2/2, 10-11=2/2, 9-10=2/2, 8-9=2/2, 7-8=2/2
WEBS 5-8=93/104, 4-9=99/109, 3-10=64/80, 2-11=164/165

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 28 lb uplift at joint 7, 60 lb uplift at joint 8, 69 lb uplift at joint 9, 42 lb uplift at joint 10 and 115 lb uplift at joint 11.

LOAD CASE(S) Standard

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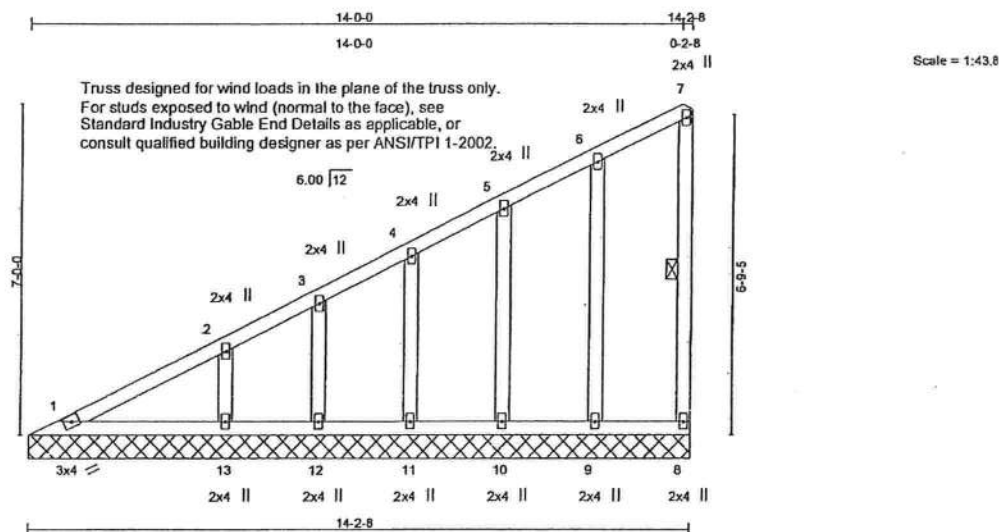
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ENGINEERING BY
TRENCO
A Mitek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530705
AUSTIN	V13	GABLE	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, FL

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LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.10	Vert(TL)	n/a	-	n/a	999		
BCLL 10.0	Rep Stress Incr	YES	WB 0.05	Horz(TL)	-0.00	8	n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 80 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.
WEBS 1 Row at midpt 7-8

REACTIONS (lb/size) 1=127/14-2-8, 8=68/14-2-8, 9=178/14-2-8, 10=168/14-2-8, 11=187/14-2-8, 12=114/14-2-8, 13=315/14-2-8
Max Horz 1=279(LC 6)
Max Uplift 8=28(LC 6), 9=61(LC 6), 10=63(LC 6), 11=67(LC 6), 12=42(LC 6), 13=115(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=315/41, 2-3=229/9, 3-4=186/22, 4-5=131/19, 5-6=78/19, 6-7=24/15, 7-8=36/41
BOT CHORD 1-13=1/1, 12-13=1/1, 11-12=1/1, 10-11=1/1, 9-10=1/1, 8-9=1/1
WEBS 6-9=94/104, 5-10=91/101, 4-11=99/107, 3-12=64/79, 2-13=164/163

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 28 lb uplift at joint 8, 61 lb uplift at joint 9, 63 lb uplift at joint 10, 67 lb uplift at joint 11, 42 lb uplift at joint 12 and 115 lb uplift at joint 13.

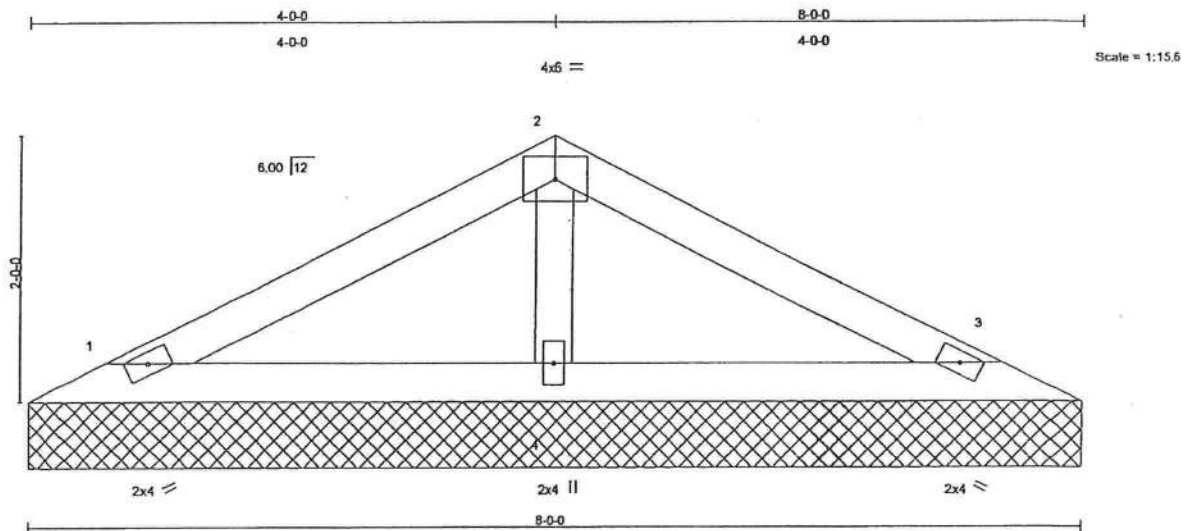
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ENGINEERING BY
TRENCO
A Mitek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530707
AUSTIN	V15	VALLEY	2	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL		7,020 s Nov 9 2007 MITek Industries, Inc. Wed Nov 21 08:44:20 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 0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCOL 7.0	Lumber Increase	1.25	BC 0.11	Vert(TL)	n/a	-	n/a	999		
BCLL 10.0	Rep Stress Incr	YES	WB 0.02	Horz(TL)	0.00	3	n/a	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
 OTHERS 2 X 4 SYP No.2

BRACING

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

REACTIONS (lb/size) 1=136/8-0-0, 3=136/8-0-0, 4=310/8-0-0
 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=141/111

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.
- 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.
- 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.

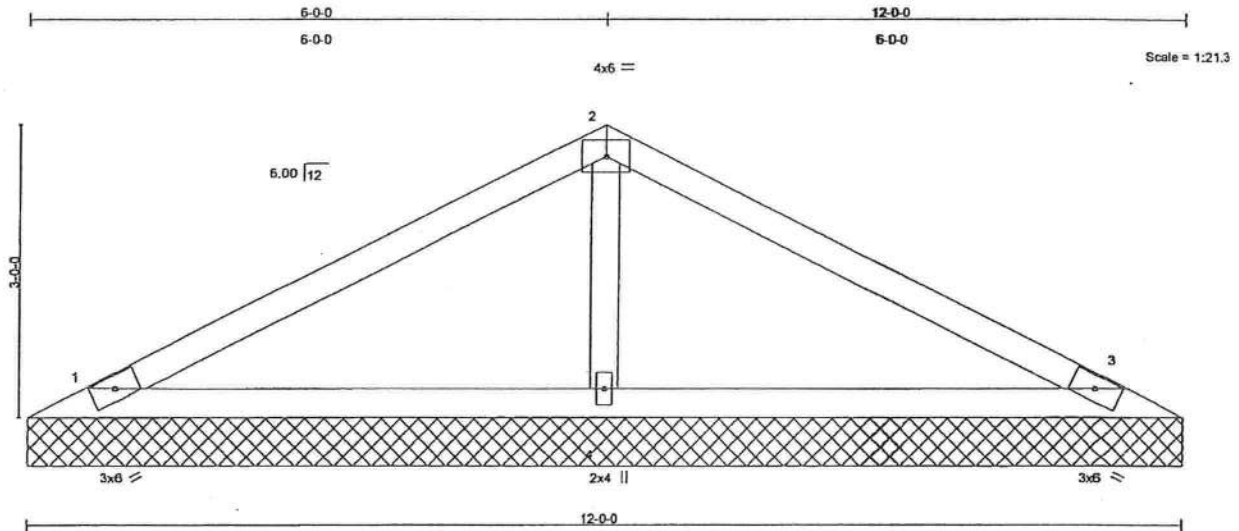
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ENGINEERING BY
TRENCO
 A MITek Affiliate
 818 Soundside Road
 Eden, NC 27632

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530708
AUSTIN	V16	GABLE	1	1	Job Reference (optional)	
Maranda Homes Inc., Sanford, FL						
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LOADING (psf)	SPACING	2'-0"	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase 1.25		TC 0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Lumber Increase 1.25		BC 0.29	Vert(TL)	n/a	-	n/a	999		
BCLL 10.0	Rep Stress Incr YES		WB 0.04	Horz(TL)	0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2004/TP12002		(Matrix)						Weight: 39 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 1=191/12'-0", 3=191/12'-0", 4=544/12'-0"
 Max Horz 1=45(LC 4)
 Max Uplift 1=49(LC 6), 3=57(LC 7), 4=77(LC 6)
 Max Grav 1=196(LC 10), 3=196(LC 11), 4=544(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=70/62, 2-3=70/60
 BOT CHORD 1-4=3/34, 3-4=3/34
 WEBS 2-4=268/190

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.
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 49 lb uplift at joint 1, 57 lb uplift at joint 3 and 77 lb uplift at joint 4.

LOAD CASE(S) Standard

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

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530709
AUSTIN	V17	GABLE	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL		7.020 s Nov 9 2007 Mitek Industries, Inc. Wed Nov 21 08:44:21 2007 Page 1				

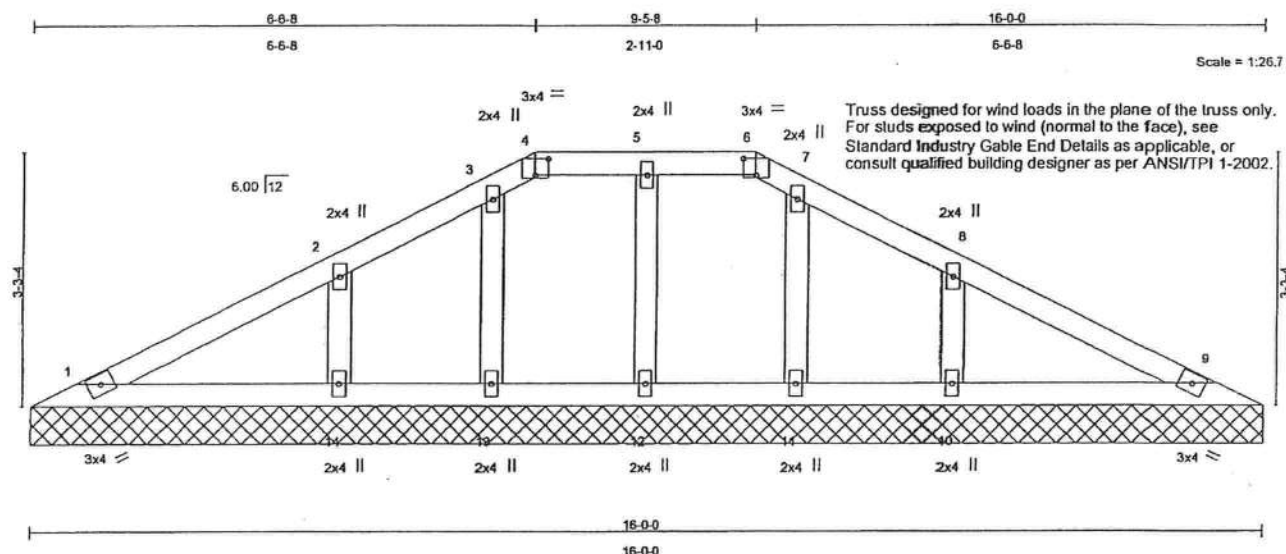


Plate Offsets (X,Y): [4:0-2:0-0-2-8], [6:0-2:0-0-2-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.08	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.09	Vert(TL)	n/a	-	n/a		
BCLL 10.0	Rep Stress Incr	YES	WB 0.02	Horz(TL)	0.00	9	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)						Weight: 64 lb

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
OTHERS 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 10'-0" oc bracing.

REACTIONS (lb/size) 1=126/16-0-0, 9=126/16-0-0, 12=192/16-0-0, 13=114/16-0-0, 14=298/16-0-0, 11=114/16-0-0, 10=298/16-0-0
Max Horz 1=49(LC 4)
Max Uplift 1=15(LC 7), 9=19(LC 7), 12=33(LC 5), 13=13(LC 5), 14=112(LC 6), 11=6(LC 4), 10=113(LC 7)
Max Grav 1=126(LC 1), 9=126(LC 1), 12=192(LC 1), 13=115(LC 10), 14=298(LC 1), 11=115(LC 11), 10=298(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=42/38, 2-3=47/78, 3-4=33/100, 4-5=15/97, 5-6=15/97, 6-7=33/100, 7-8=47/79, 8-9=39/24
BOT CHORD 1-14=0/49, 13-14=0/49, 12-13=0/49, 11-12=0/49, 10-11=0/49, 9-10=0/49
WEBS 5-12=99/64, 3-13=62/41, 2-14=156/157, 7-11=62/41, 8-10=156/157

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.
- Gable requires continuous bottom chord bearing.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 15 lb uplift at joint 1, 19 lb uplift at joint 9, 33 lb uplift at joint 12, 13 lb uplift at joint 13, 112 lb uplift at joint 14, 6 lb uplift at joint 11 and 113 lb uplift at joint 10.

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	E4530710
AUSTIN	V18	GABLE	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL			7.020 s Nov 9 2007 Mitek Industries, Inc. Wed Nov 21 08:44:22 2007 Page 1			

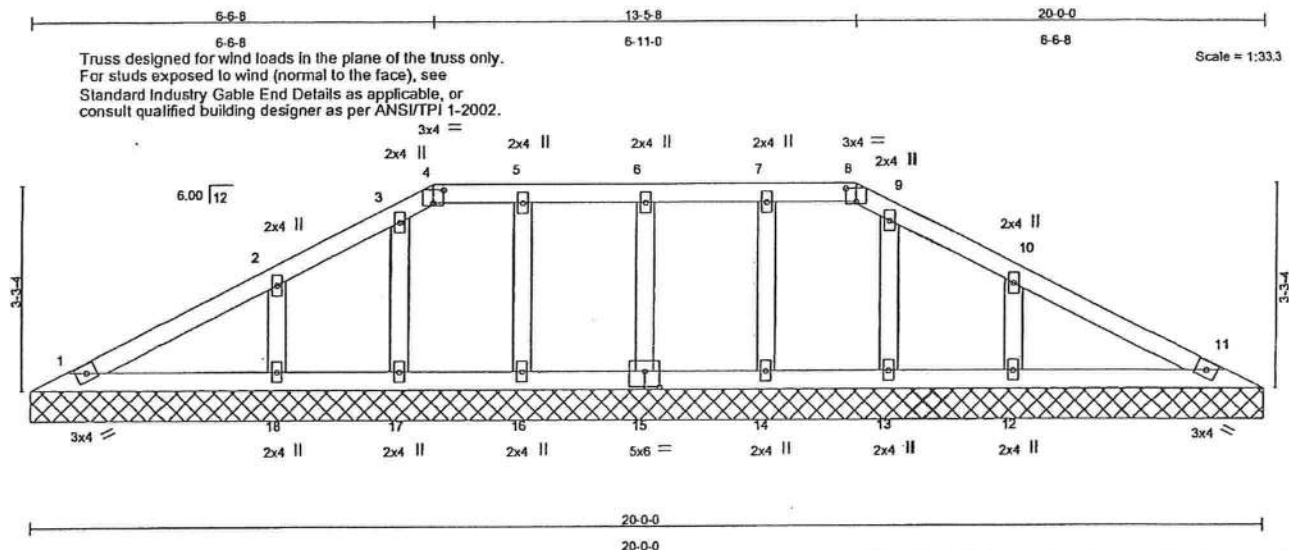


Plate Offsets (X,Y): [4:0-2-0-0-2-8] [6:0-2-0-0-2-8] [15:0-3-0-0-3-0]							
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d
TCLL 16.0	Plates Increase	1.25	TC 0.08	Vert(LL)	n/a	-	n/a
TCDL 7.0	Lumber Increase	1.25	BC 0.09	Vert(TL)	n/a	-	n/a
BCLL 10.0	Rep Stress Incr	YES	WB 0.02	Horz(TL)	0.00	11	n/a
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)				
							Weight: 83 lb

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

REACTIONS (lb/size) 1=125/20-0-0, 11=125/20-0-0, 15=167/20-0-0, 16=183/20-0-0, 17=117/20-0-0, 18=298/20-0-0, 14=183/20-0-0, 13=117/20-0-0, 12=298/20-0-0
 Max Horz 1=49(LC 5)
 Max Uplift 1=14(LC 7), 11=17(LC 7), 15=46(LC 4), 16=39(LC 5), 17=13(LC 5), 18=113(LC 6), 14=37(LC 5), 13=5(LC 4), 12=113(LC 7)
 Max Grav 1=125(LC 1), 11=125(LC 1), 15=168(LC 10), 16=183(LC 1), 17=118(LC 10), 18=298(LC 1), 14=183(LC 1), 13=118(LC 11), 12=298(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=46/35, 2-3=44/72, 3-4=32/93, 4-5=13/90, 5-6=13/90, 6-7=13/90, 7-8=13/90, 8-9=32/93, 9-10=44/72, 10-11=37/27
 BOT CHORD 1-18=0/52, 17-18=0/52, 16-17=0/52, 15-16=0/52, 14-15=0/52, 13-14=0/52, 12-13=0/52, 11-12=0/52
 WEBS 6-15=91/91, 5-16=96/75, 3-17=63/41, 2-18=156/156, 7-14=96/75, 9-13=63/41, 10-12=156/156

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.
- Gable requires continuous bottom chord bearing.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 14 lb uplift at joint 1, 17 lb uplift at joint 11, 46 lb uplift at joint 15, 39 lb uplift at joint 16, 13 lb uplift at joint 17, 113 lb uplift at joint 18, 37 lb uplift at joint 14, 5 lb uplift at joint 13 and 113 lb uplift at joint 12.

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	E4530711
AUSTIN	V19	GABLE	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL			7.020 s Nov 9 2007 Mitek Industries, Inc. Wed Nov 21 08:44:22 2007 Page 1			

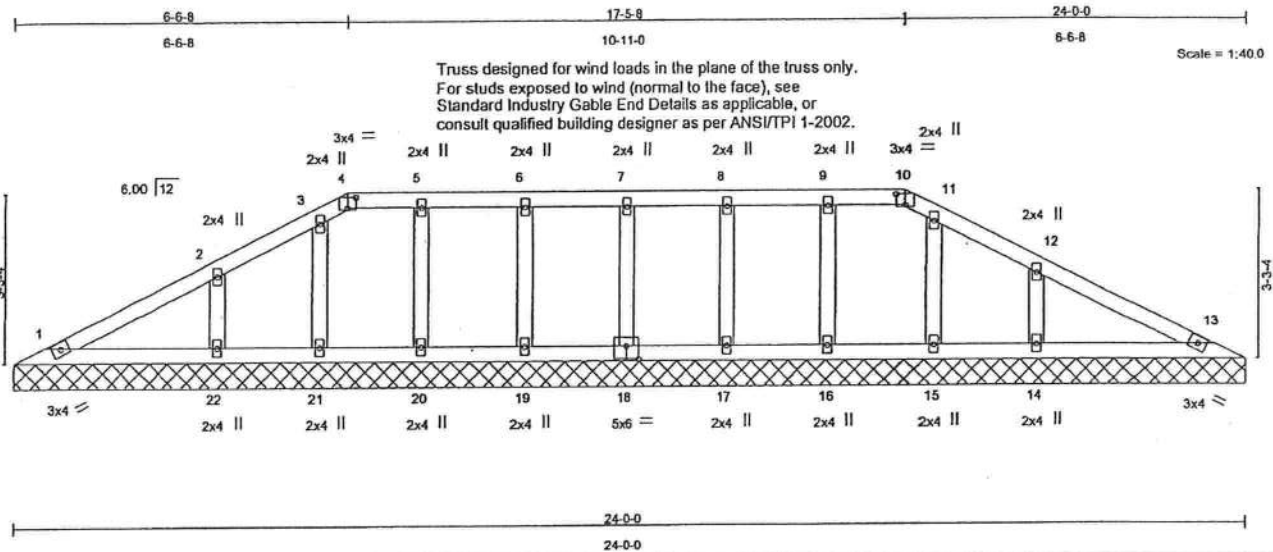


Plate Offsets (X,Y): [4:0-2-0-0-2-8], [10:0-2-0-0-2-8], [18:0-3-0-0-3-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/def	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.08	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.09	Vert(TL)	n/a	-	n/a		
BCLL 10.0	Rep Stress Incr	YES	WB 0.02	Horz(TL)	0.00	13	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)						
									Weight: 103 lb

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

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

REACTIONS (lb/size) 1=124/24-0-0, 13=124/24-0-0, 18=173/24-0-0, 19=169/24-0-0, 20=183/24-0-0, 21=118/24-0-0, 22=298/24-0-0,
17=169/24-0-0, 16=183/24-0-0, 15=118/24-0-0, 14=298/24-0-0
Max Horz 1=49(LC 4)
Max Uplift 1=13(LC 7), 13=16(LC 7), 18=42(LC 5), 19=44(LC 4), 20=39(LC 5), 21=13(LC 5), 22=113(LC 6),
17=44(LC 4), 16=37(LC 5), 15=5(LC 4), 14=113(LC 7)
Max Grav 1=124(LC 1), 13=124(LC 1), 18=173(LC 1), 19=170(LC 11), 20=183(LC 10), 21=119(LC 10), 22=298(LC 1),
17=170(LC 10), 16=183(LC 11), 15=119(LC 11), 14=298(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=48/34, 2-3=42/69, 3-4=30/90, 4-5=11/87, 5-6=11/87, 6-7=11/87, 7-8=11/87, 8-9=11/87, 9-10=11/87,
10-11=30/90, 11-12=42/69, 12-13=35/29
BOT CHORD 1-22=0/53, 21-22=0/53, 20-21=0/53, 19-20=0/53, 18-19=0/53, 17-18=0/53, 16-17=0/53, 15-16=0/53, 14-15=0/53,
13-14=0/53
WEBS 7-18=92/85, 6-19=92/89, 5-20=96/76, 3-21=64/42, 2-22=155/158, 8-17=92/89, 9-16=98/76, 11-15=64/42,
12-14=155/156

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.
- Gable requires continuous bottom chord bearing.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 13 lb uplift at joint 1, 16 lb uplift at joint 13, 42 lb uplift at joint 18, 44 lb uplift at joint 19, 39 lb uplift at joint 20, 13 lb uplift at joint 21, 113 lb uplift at joint 22, 44 lb uplift at joint 17, 37 lb uplift at joint 16, 5 lb uplift at joint 15 and 113 lb uplift at joint 14.

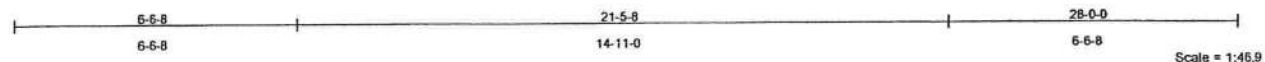
LOAD CASE(S) Standard

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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	E4530713
AUSTIN	V20	GABLE	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						7.020 s Nov 9 2007 Mitek Industries, Inc. Wed Nov 21 08:44:24 2007 Page 1



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.

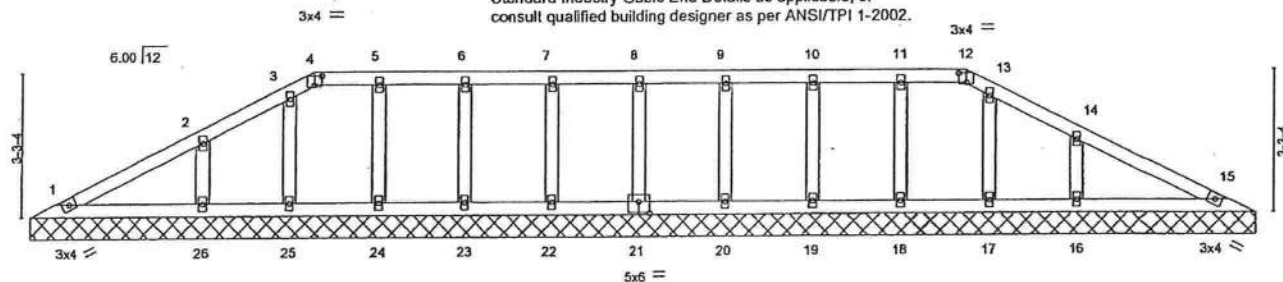


Plate Offsets (X,Y): [4:0-2-0-0-2-8], [12:0-2-0-0-2-8], [21:0-3-0-0-3-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	I/def	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.08	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.09	Vert(TL)	n/a	-	n/a		
BCLL 10.0	Rep Stress Incr	YES	WB 0.02	Horz(TL)	0.00	15	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)						Weight: 123 lb

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

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

REACTIONS (lb/size) 1=123/28-0-0, 15=123/28-0-0, 21=172/28-0-0, 22=173/28-0-0, 23=169/28-0-0, 24=183/28-0-0, 25=119/28-0-0, 26=298/28-0-0, 20=173/28-0-0, 19=169/28-0-0, 18=183/28-0-0, 17=119/28-0-0, 16=298/28-0-0
Max Horz 1=-49(LC 4)
Max Uplift 1=-12(LC 7), 15=-16(LC 7), 21=-42(LC 4), 22=-42(LC 5), 23=-44(LC 4), 24=-40(LC 5), 25=-14(LC 5), 26=-112(LC 6), 20=-42(LC 5), 19=-44(LC 4), 18=-38(LC 5), 17=-6(LC 4), 16=-113(LC 7)
Max Grav 1=123(LC 1), 15=123(LC 1), 21=172(LC 11), 22=173(LC 1), 23=170(LC 11), 24=183(LC 10), 25=119(LC 10), 26=298(LC 1), 20=173(LC 1), 19=170(LC 10), 18=183(LC 11), 17=119(LC 11), 16=298(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-50/33, 2-3=-40/66, 3-4=-28/88, 4-5=-10/85, 5-6=-10/85, 6-7=-10/85, 7-8=-10/85, 8-9=-10/85, 9-10=-10/85, 10-11=-10/85, 11-12=-10/85, 12-13=-28/88, 13-14=-40/66, 14-15=-33/30

BOT CHORD 1-26=0/54, 25-26=0/54, 24-25=0/54, 23-24=0/54, 22-23=0/54, 21-22=0/54, 20-21=0/54, 19-20=0/54, 18-19=0/54, 17-18=0/54, 16-17=0/54, 15-16=0/54

WEBS 8-21=92/88, 7-22=92/88, 6-23=92/88, 5-24=97/77, 3-25=64/43, 2-26=155/156, 9-20=92/86, 10-19=92/88, 11-18=97/77, 13-17=64/43, 14-16=155/156

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.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 12 lb uplift at joint 1, 16 lb uplift at joint 15, 42 lb uplift at joint 21, 42 lb uplift at joint 22, 44 lb uplift at joint 23, 40 lb uplift at joint 24, 14 lb uplift at joint 25, 112 lb uplift at joint 26, 42 lb uplift at joint 20, 44 lb uplift at joint 19, 38 lb uplift at joint 18, 6 lb uplift at joint 17 and 113 lb uplift at joint 16.

LOAD CASE(S) Standard

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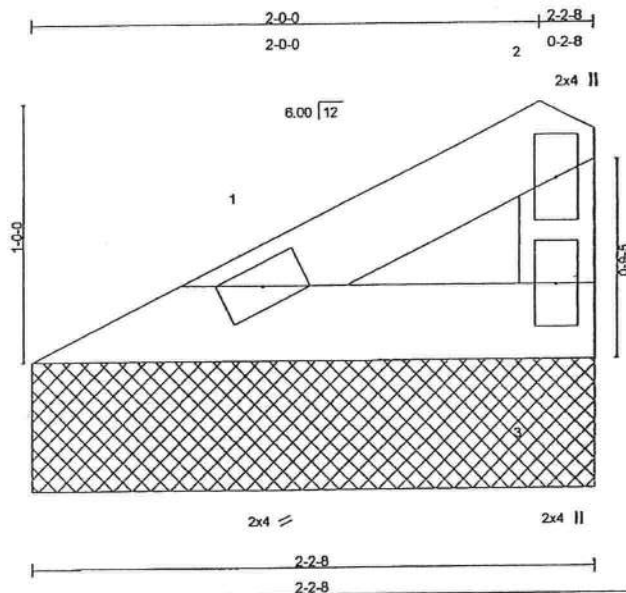
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ENGINEERING BY
TRENCO
A Mitek Alliance
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530718
AUSTIN	V7	VALLEY	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, FL 7.010 s Oct 16 2007 Mitek Industries, Inc. Wed Nov 21 10:01:45 2007 Page 1



Scale: 1.5"=1'

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	I/defl	I/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.01	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.01	Vert(TL)	n/a	-	n/a		
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	0.00		n/a		
BCDL 10.0	Code FBC2004/TP12002		(Matrix)						
								Weight: 7 lb	

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

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

REACTIONS (lb/size) 1=48/2-2-8, 3=48/2-2-8
Max Horz 1=30(LC 6)
Max Uplift 1=2(LC 6), 3=21(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-24/11, 2-3=-26/36
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 2 lb uplift at joint 1 and 21 lb uplift at joint 3.

LOAD CASE(S) Standard

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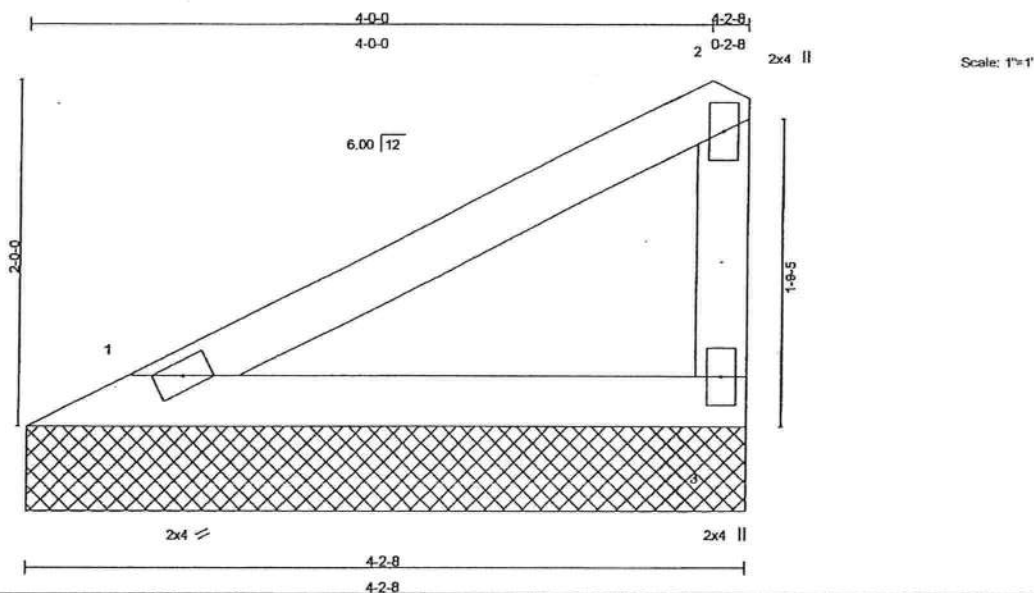
ENGINEERING BY
TRENCO
A MITEK COMPANY

818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530719
AUSTIN	V8	VALLEY	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, FL

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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)	n/a	-	n/a	999	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.11	Vert(TL)	n/a	-	n/a	999	
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	0.00		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 4-2-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=148/4-2-8, 3=148/4-2-8
Max Horz 1=71(LC 6)
Max Uplift 1=18(LC 6), 3=54(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=55/28, 2-3=-79/96
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 18 lb uplift at joint 1 and 54 lb uplift at joint 3.

LOAD CASE(S) Standard

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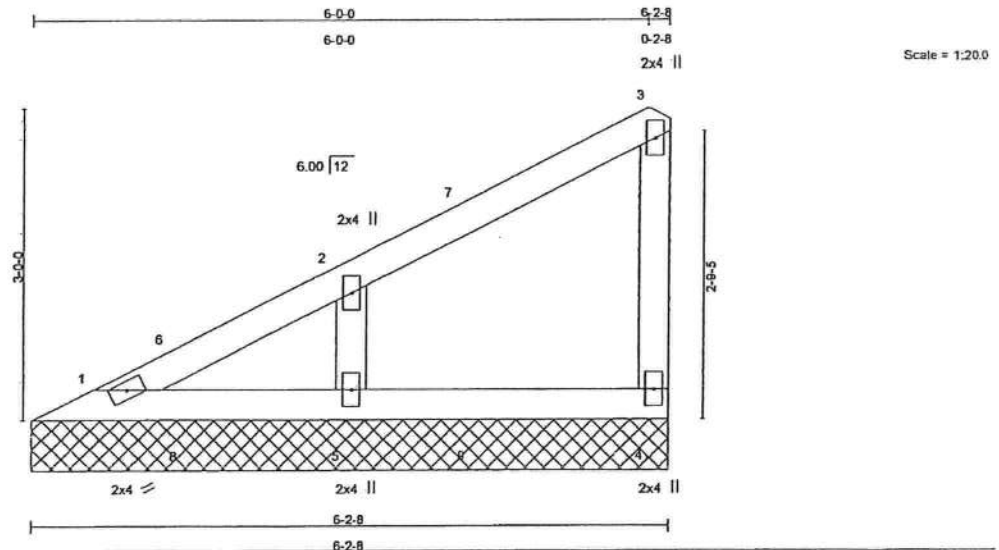
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ENGINEERING BY
TRENCO
A Mitek Affiliate

818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530720
AUSTIN	V9	VALLEY	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						

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LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	2-0-0	TC 0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.08	Vert(TL)	n/a	-	n/a	999		
BCLL 10.0	Lumber Increase 1.25	WB 0.03	Horz(TL)	0.00		n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TPI2002								
									Weight: 24 lb

LUMBER
 TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2
 WEBS 2 X 4 SYP No.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=44/6-2-8, 4=118/6-2-8, 5=317/6-2-8
 Max Horz 1=113(LC 6)
 Max Uplift 4=70(LC 8), 5=167(LC 8)
 Max Grav 1=88(LC 6), 4=118(LC 1), 5=317(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-6=135/0, 2-6=125/34, 2-7=43/15, 3-7=44/20, 3-4=59/84
 BOT CHORD 1-8=0/0, 5-8=0/0, 5-9=0/0, 4-9=0/0
 WEBS 2-5=173/208

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 70 lb uplift at joint 4 and 167 lb uplift at joint 5.
- 5) 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.
- 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: 1-3=46, 1-4=40
 Concentrated Loads (lb)
 Vert: 7=19(F=9, B=9) 8=41(F=21, B=21) 9=33(F=17, B=17)

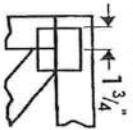
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 November 21, 2007

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 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-B9 and BC511 Building Component Safety Information available from Truss Plate Institute, 583 D'Oroville Drive, Madison, WI 53719.

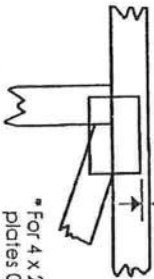
ENGINEERING BY
TRENCO
 A MITek Affiliate
 818 Soundside Road
 Edenboro, NC 27632

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

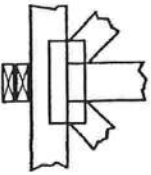
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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



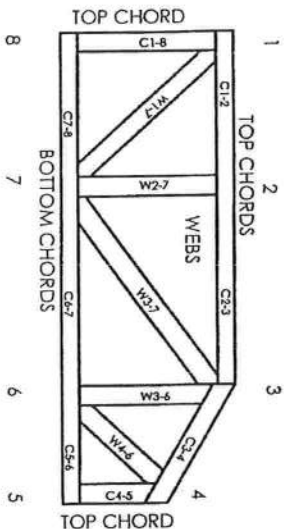
Indicates location where bearings (supports) occur. Icons vary but reaction indicates joint number where bearings occur.

Industry Standards:

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

Numbering System

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, ER-S243, 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: Mll-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 bracing members 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 lightly 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/TP11.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP11.
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 piling 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 or 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/TP11 Quality Criteria.

LEGAL DESCRIPTION:
LOT THIRTY-NINE (39) OF TIMBERLANDS, PHASE 1,
AS PER PLAT THEREOF, AS RECORDED IN PLAT
BOOK '9', PAGES 26-27 OF THE PUBLIC RECORDS
OF COLUMBIA COUNTY, FLORIDA.



PROPOSED BUILDING LAYOUT

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

S.W. MULBERRY DRIVE
60' RIGHT-OF-WAY

CERTIFIED TO:
1) MARONDA HOMES

BUILDING SETBACK NOTE:
BUILDING SETBACK INFORMATION FOR
"TIMBERLANDS" IS AS FOLLOWS: FRONT 25',
REAR 15', SIDE 10'

CURVE TABLE:				
CURVE	RADIUS	TANGENT	LENGTH	DELTA
C25(P)	200.00'	17.39'	34.70'	9°56'26.9"
			CHORD	CHORD BEARING
			34.86'	N 47°51'20" E

- SURVEYOR NOTES:
- TO THE BEST OF MY KNOWLEDGE, THERE ARE NO ENCROACHMENTS, BOUNDARY LINE DISPUTES, EASEMENTS, OR CLAIMS OF EASEMENTS, OTHER THAN ARE DEPICTED ON THIS DRAWING.
 - ALL UTILITIES AND OR IMPROVEMENTS, IF ANY, MAY NOT BE SHOWN ON THIS DRAWING.
 - IN THE OPINION OF THIS SURVEYOR THE BOUNDARY SHOWN HEREON BEST REPRESENTS THE LOCATION OF THE SUBJECT PROPERTY IN RELATION TO THE DESCRIPTION AND THOSE PROPERTY CORNERS FOUND TO BE ACCEPTABLE TO THIS SURVEYOR.
 - BUILDING SETBACK LINES DEPICTED HEREON ARE SHOWN AS PER THE RECORD PLAT, BUT ARE SUBJECT TO CHANGE, PRIOR TO ANY NEW CONSTRUCTION, THE APPROPRIATE GOVERNING AUTHORITY SHOULD BE CONTACTED FOR THE CURRENT SETBACK REQUIREMENTS.
 - THIS MAP OF SURVEY REFLECTS CONDITIONS LOCATED AS OF THE DATE OF FIELD WORK COMPLETION (SEE TITLE BLOCK).
 - AREAS OF ENVIRONMENTAL CONCERN HAVE NOT BEEN LOCATED BY THIS SURVEYOR, UNLESS OTHERWISE DEPICTED HEREON.

BENCHMARK NOTE:

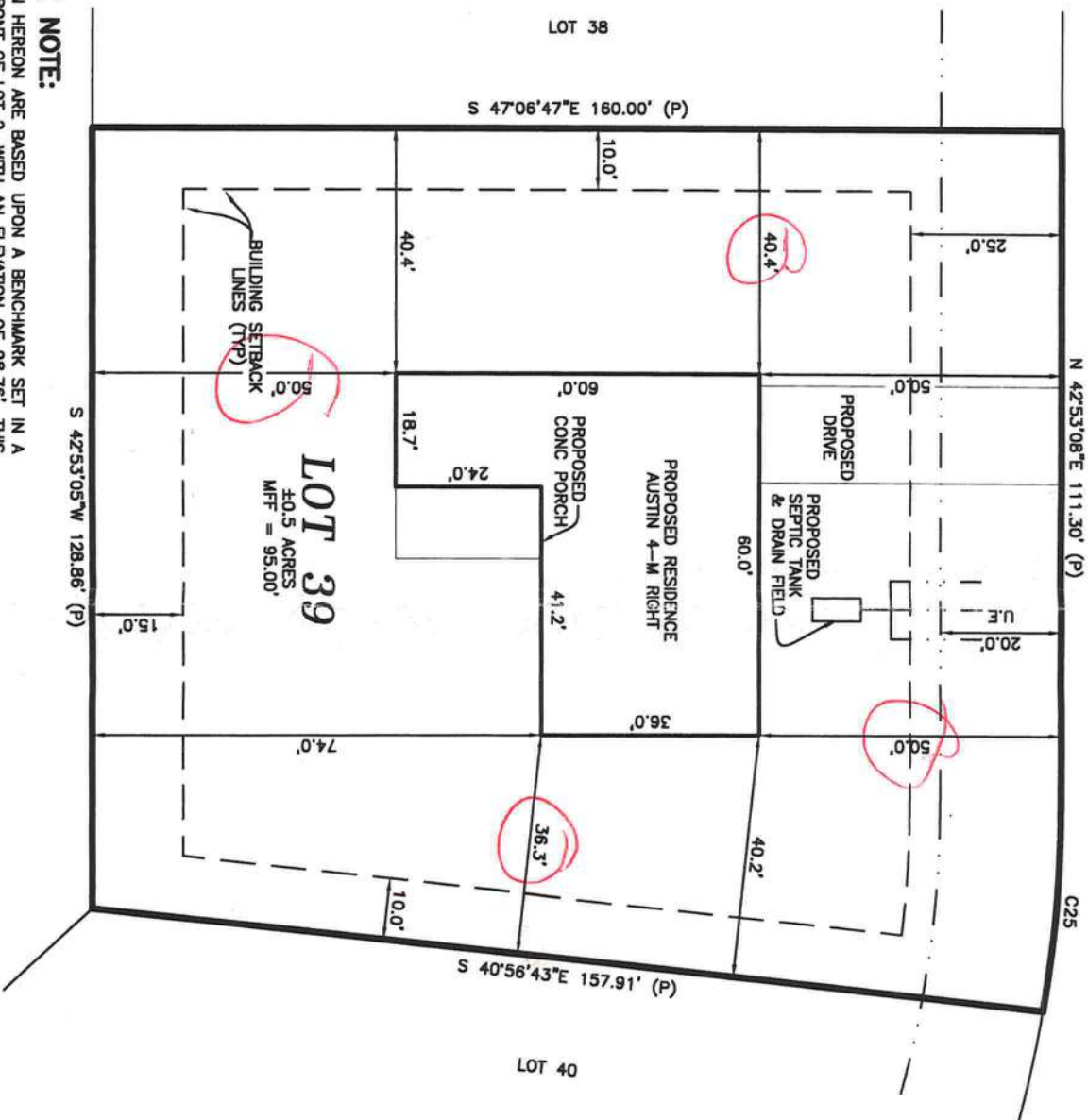
ELEVATIONS SHOWN HEREON ARE BASED UPON A BENCHMARK SET IN A 8" PINE AT THE FRONT OF LOT 2, WITH AN ELEVATION OF 98.76'. THIS INFORMATION WAS PROVIDED TO THIS SURVEYOR BY BRITT SURVEYING (PLATTING SURVEYOR) DATUM UNKNOWN.

FLOOD NOTE:

IN THE OPINION OF THIS SURVEYOR, ACCORDING TO THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 120070-0175-B, DATED 1-6-88, THIS PROPERTY IS IN FLOOD ZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE 500-YEAR FLOOD PLAIN, AS SCALED FROM SAID MAP. INFORMATION FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAPS, SHOWN ON THIS MAP, WAS CURRENT AS OF THE REFERENCED DATE. MAP REVISIONS AND AMENDMENTS ARE PERIODICALLY MADE BY LETTER AND MAY NOT BE REFLECTED ON THE MOST CURRENT MAP.

TITLE NOTE:

THIS SURVEY IS SUBJECT TO ANY FACTS THAT MAY BE DISCLOSED BY A FULL AND ACCURATE TITLE SEARCH. THIS SURVEYOR HAS NOT PERFORMED A SEARCH OF THE PUBLIC RECORDS ON THIS PARCEL FOR ANY CLAIMS OF TITLE, EASEMENTS, OR RESTRICTIONS THAT MAY EFFECT THIS PARCEL. THE PRESENCE OR ABSENCE OF ANY SUCH CLAIMS ARE NOT CERTIFIED HEREON.



LEGEND:

- = FOUND 1/2" REBAR NO IDENTIFICATION
 - = FOUND 1/2" REBAR & CAP
 - = FOUND 1/2" REBAR & CAP
 - = SET 1/2" REBAR & CAP
 - = L.B. 6894
 - = FOUND 3/4" IRON PIPE
 - = FOUND 4" X 4" CONC. MON.
 - = NO IDENTIFICATION
 - = SET 4" X 4" CONC. MON.
 - = P.S.M. 5582
 - ✕ = SET NAIL & DISK P.S.M. 5582
 - ✕ = FOUND NAIL & DISK
 - ✕ = FOUND 6" X 6" S.R.D.
 - ✕ = R/W MON.
 - ✕ = CATV RISER
 - ✕ = TELEPHONE PEDESTAL
 - ✕ = WOOD POWER POLE
- ABBREVIATIONS:
- A/C = AIR CONDITIONER
 - ASPH = ASPHALT
 - C = CALCULATED FROM MEASURED
 - CATV = CABLE TELEVISION
 - C/B = CONCRETE BLOCK
 - CLF = CHAIN LINK FENCE
 - CM = CONCRETE MONUMENT
 - CONC = CONCRETE
 - ELEC = ELECTRIC
 - ELEV = ELEVATION
 - FND = FOUND
 - FNC = FENCE
 - LB = LICENSED SURVEYOR BUSINESS
 - MH = MANHOLE
 - MON = FIELD MEASURED
 - O.U. = OVERHEAD UTILITIES
 - P.B. = PLAT BOOK
 - P.U.E. = PUBLIC UTILITIES EASEMENT
 - TRANS = TRANSFORMER
 - TYP = TYPICAL
 - WM = WATER METER
 - WV = WATER VALVE

THIS IS NOT A BOUNDARY SURVEY CERTIFICATE OF SURVEYOR:

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER. ADDITIONS OR DELETIONS TO THIS MAP BY ANYONE OTHER THAN THIS SURVEYOR IS PROHIBITED.

I HEREBY CERTIFY THAT THE SURVEY DATA SHOWN HEREON, IS A TRUE AND CORRECT REPRESENTATION OF A SURVEY PERFORMED UNDER MY SUPERVISION OF THE HEREON DESCRIBED PROPERTY, AND IT MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF LAND SURVEYORS, PURSUANT TO SECTION 472.027, FLORIDA STATUTES, AND CHAPTER 61G17-6, FLORIDA ADMINISTRATIVE CODE.

BY: JAMES E. BRINKMAN, PSM - FLA. CERT# 5582
DATE: 8/14/08

BRINKMAN SURVEYING & MAPPING INC.

4607 NW 6th STREET SUITE C, GAINESVILLE, FL 32609
PHONE: (352) 374-7707 FAX: (352) 374-8757

SCALE: 1" = 30'
DATE: 8/14/08
FIELD WORK COMPLETED ON ****
FIELDBOOK **, PAGE **
DRAWN BY: ZL
CHECKED BY: J.B.

PREPARED FOR: MARONDA
DRAWING NUMBER 168-08

LEGAL DESCRIPTION:
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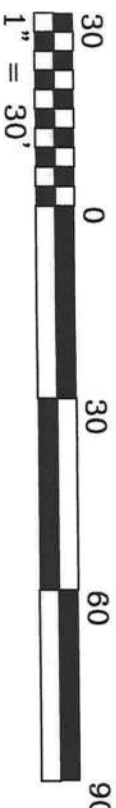


BOUNDARY SURVEY
IN SECTION 10, TOWNSHIP 4 SOUTH, RANGE
16 EAST, COLUMBIA COUNTY, FLORIDA

S.W. MULBERRY DRIVE

60' RIGHT-OF-WAY
±20' ASPHALT ROAD

EDGE OF
PAVEMENT



LEGEND:

- = FOUND 1/2" REBAR & CAP
- = SET 1/2" REBAR & CAP
- = FOUND 4" X 4" CONC. MON.
- = FOUND MAIL & DISK
- = CATV RISER
- = TELEPHONE PEDESTAL
- = LIGHT POLE
- = TELEPHONE HAND HOLE
- = ELECTRIC TRANSFORMER

ABBREVIATIONS:

- A/C = AIR CONDITIONER
- ASPH = ASPHALT
- C = CALCULATED FROM MEASURED
- CATV = CABLE TELEVISION
- C/B = CONCRETE BLOCK
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- (M) = FIELD MEASURED
- MH = MANHOLE
- O.U. = OVERHEAD UTILITIES
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BUILDING SETBACK INFORMATION FOR
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CURVE TABLE:

CURVE	RADIUS	TANGENT	LENGTH	DELTA	CHORD	CHORD BEARING
C25(P)	200.00'	17.39'	34.70'	9°56'24"	34.66'	N 47°51'20" E
C25(M)	200.00'	17.40'	34.71'	9°56'37"	34.67'	N 47°48'12" E
C26(P)	200.00'	67.79'	130.72'	37°26'50"	128.40'	N 71°32'57" E
C26(M)	200.00'	67.79'	130.71'	37°26'47"	128.40'	N 71°32'56" E

SURVEYOR NOTES:

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BY: *James E. Brinkman*
JAMES E. BRINKMAN, PSM - FLA. CERT# 5582
DATE: 10/22/08

BRINKMAN SURVEYING & MAPPING, INC.

4607 NW 6th STREET SUITE C, GAINESVILLE, FL 32609
PHONE: (352) 374-7707 FAX: (352) 374-8757

SCALE: 1" = 30'

"THE BENCHMARK IN QUALITY SERVICE"

DATE: 8/14/08

FIELD WORK COMPLETED ON 10/7/2008

FIELDBOOK 97, PAGE 69

PREPARED FOR: MARONDA

DRAWING NUMBER
168-08

**HOMETEAM****PEST DEFENSE®****TREATMENT WORKORDER**

27399

- ☐ Termite Baiting System w/Tubes-under-the slab
☐ Treat Only ☒ Tubes-under-the slab and Treat ☐ Bora-Care

DATE CALLED IN:	10/3	DATE OF SCHEDULE:	10/3
TIME CALLED IN:		TIME SCHEDULE:	8:00

JOB NAME:	Maranda	SUBDIVISION:	Timberland
JOB ADDRESS:	389 SW Mulberry Dr.		
BILLING NAME:	BILLING PHONE:		
BILLING ADDRESS:			
CALLER IN BY:	PHONE:	PERMIT NUMBER:	000027399

LOT & MODEL NUMBER: 39

DATE & TIME COMPLETED: 10/7/28

SQUARE FOOT: 3061 LINEAR FOOT: BLOCKVOIDS:

SLAB TYPE: mono TYPE OF FILL: dirt/sand

APPROX. DEPTH OF FOOTING: Outside: Inside:

☐ Addition ☐ Spot Treat ☐ Pool Addition ☐ Driveway☐ Final/Completion ☐ Other

PESTICIDE USED: Imaxx Pro TOTAL APPLIED: 150 gal

PERCENT (%) USED: 1% STICKER POSTED: 405

PRICE PER SQ. FT. =	TOTAL FOR P.T.	
	ADDITIONAL	
	TAX:	
1	TOTAL AMOUNT	\$

X X TECHNICIAN: Casey

I hereby acknowledge the satisfactory completion of the above described work.