DATE 07/30/2008

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000027218

APPLICANT PATRICK WILSON PHONE 904.296.1490

ADDRESS 6800 SOUTHPOINT PKWY. #300 JACKSONVILLE FL 32216

OWNER MARONDA HOMES INC. OF FLORIDA PHONE 904.296.1490

ADDRESS 254 SW TIMBE RIDGE DRIVE LAKE CITY FL 32024

CONTRACTOR THEODORE BROCK PHONE 407.227.3504

LOCATION OF PROPERTY 90-W TO SR.247-S,TL TO C-252-B,TR TO TIMBER RIDGE,TL 4TH LOT ON L.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 114400.00

HEATED FLOOR AREA 2236.00 TOTAL AREA 2288.00 HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6'12 FLOOR CONC

LAND USE & ZONING RSF-2 MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00

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

PARCEL ID 10-4S-16-02856-121 SUBDIVISION TIMBERLANDS

LOT 21 BLOCK PHASE UNIT TOTAL ACRES 0.50

000001642		CBC1256382		
Culvert Permit No.	Culvert Waiver	Contractor's License Number		Applicant/Owner/Contractor
18"X32'MITERED	08-401	BLK	WR	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: ELEVATION LETTER CONFIRMATION LETTER REQUIRED BEFORE SLAB. MFE @ 96.00'.

Check # or Cash 918687

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ date/app. by

Foundation _____ date/app. by

Monolithic _____ date/app. by

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

Slab _____ date/app. by

Sheathing/Nailing _____ date/app. by

Framing _____ date/app. by

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

Electrical rough-in _____ date/app. by

Heat & Air Duct _____ date/app. by

Peri. beam (Lintel) _____ date/app. by

Permanent power _____ date/app. by

C.O. Final _____ date/app. by

Culvert _____ date/app. by

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

Pool _____ date/app. by

Reconnection _____ date/app. by

Pump pole _____ date/app. by

Utility Pole _____ date/app. by

M/H Pole _____ date/app. by

Travel Trailer _____ date/app. by

Re-roof _____ date/app. by

BUILDING PERMIT FEE $ 575.00 CERTIFICATION FEE $ 11.44 SURCHARGE FEE $ 11.44

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** 697.88

INSPECTORS OFFICE CLERKS OFFICE

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

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

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

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

Columbia County Building Permit Application

For Office Use Only Application # 0806-53 Date Received 6/27 By JW Permit # 27288 / 1642

Zoning Official BLK Date 14.07.08 Flood Zone X FEMA Map # N/A Zoning RSF-2

Land Use RES, Low Den Elevation N/A MFE 96.0ft River N/A Plans Examiner (WP) Date 7/2/08

Comments Elevation Confirmation Letter required at slab

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

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

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

Septic Permit No. 08-401 Fax (904)-332-6367

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

Address 6800 Southpoint Pkwy. #300 Jacksonville, FL 32216

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

911 Address 254 SW Timber Ridge Dr, LC FL 32024

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

Address 6800 Southpoint Pkwy. #300 Jacksonville, FL 32216

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A

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

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

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

Property ID Number 10-4S-16-02850-121 Estimated Cost of Construction 91,890

Subdivision Name Timberlands Lot 21 Block 1 Unit ___ Phase ___

Driving Directions Hwy 90, Left on 247 South; Right on 252B; Left on Timber Ridge, 4th Lot on Left.

Number of Existing Dwellings on Property 0

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

Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height NA

Actual Distance of Structure from Property Lines - Front 50.0' Side 35.0' Side 35.0' Rear 57.9'

Number of Stories 1 Heated Floor Area 2236 Total Floor Area 2288 Roof Pitch 12/6

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

CK# P. 918687 / I 918698 697.88

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

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment

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

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE:

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

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

Owners Signature Theodore C. Brock

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

Contractor's Signature (Permitee) Theodore C. Brock

Contractor's License Number CBC1251038Z

Columbia County Competency Card Number

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 16 **day of** May **20**08

Personally known XXX **or Produced Identification**

Melissa L McKague

State of Florida Notary Signature (For the Contractor) Melissa L. McKague

SEAL:

Notary Public State of Florida
Melissa L McKague
My Commission DD493647
Expires 11/22/2009

Notary Public State of Florida
Melissa L McKague
My Commission DD493647
Expires 11/22/2009

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

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

Owners Signature Steve Hogg

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

Contractor's Signature (Permitee)
Theodore C. Brock

Contractor's License Number CBC1256382
Columbia County
Competency Card Number

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 24 day of June 2008.

Personally known XXX or Produced Identification

Melissa L McKague

State of Florida Notary Signature (For the Contractor)
Melissa L. McKague

SEAL:

Notary Public State of Florida
Melissa L McKague
My Commission DD493647
Expires 11/22/2009

Revised 11-30-07

This Instrument Prepared by and Return to :
Amy Wesp
SOUTHERN TITLE HOLDING COMPANY, LLC.
3943 BAY MEADOWS ROAD
JACKSONVILLE, Florida 32217
as a necessary incident to the fulfillment of conditions contained in a title insurance commitment issued by it.

Property Appraisers Parcel I.D. (Folio) Number(s):
R02856-000
Grantee(s) I.D..#(s):
File No:**JX0812085**

Inst:200812010775 Date:6/6/2008 Time:1:05 PM
Doc Stamp-Deed:6293.00
DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1151 P:2385

WARRANTY DEED
(CORPORATION)

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

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

WITNESSETH: That said grantor, for and in consideration of the sum of ~~$10.00~~ $899,000.00 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 affixed, 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: Worth D. Morris
Printed Name: WORTH D. MORRIS

BY: _____
ROBERT R. LARDIZABAL, PRESIDENT

Witness Signature: Jodym. Goble. AVP
Printed Name: Jody m. Goble

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

WORTH D. MORRIS
Notary Public - State of Florida
My Commission Expires Jun 16, 2011
Commission # DD 664420

STATE OF FLORIDA
DEPARTMENT OF HEALTH

08-401

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number _____

PART II - SITE PLAN

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

Notes: _____

LOT 21

Site Plan submitted by: _____ _____
Signature Title

Plan Approved ✓ Not Approved _____ Date 6-23-2

By _____ Columbia County Health Depart

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

FORM 600A-2004R

EnergyGauge® 4.5

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

21/1 TM

Project Name:	AUSTIN 4 BDR GAINESVILLE	Builder:	MARONDA HOMES
Address:	254 SW Timber Ridge Dr.	Permitting Office:	Columbia
City, State:	Lake City, FL 32025	Permit Number:	27218
Owner:	ELECTRIC	Jurisdiction Number:	221000
Climate Zone:	North		

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

Glass/Floor Area: 0.08

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: _____

DATE: Wayne Campbell 05/10/08

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

OWNER/AGENT: Melissa Mycapue

DATE: Melissa Mycapue 05/10/08

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

BUILDING OFFICIAL: _____

DATE: _____

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	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**	**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	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
			(sys 1: Central Unit 40500btuh ,SEER/EFF(13.0) Ducts:Unc(S),Con(R),Int(AH),R6.0(INS)					
28504.3	0.3250	9263.9	28794 **28793.8**	1.00 **1.00**	(1.08 x 1.147 x 0.86) **1.072**	0.260 **0.260**	0.950 **0.950**	7623.4 **7623.4**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	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	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
			(sys 1: Electric Heat Pump 40500 btuh ,EFF(8.1) Ducts:Unc(S),Con(R),Int(AH),R6.0					
19373.0	0.5540	10732.6	24101.5 **24101.5**	1.000 **1.00**	(1.060 x 1.169 x 0.88) **1.095**	0.421 **0.421**	0.950 **0.950**	10552.7 **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 cir breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	✓
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	✓
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	✓
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	✓
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	✓

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.8

The higher the score, the more efficient the home.

ELECTRIC, , , ,

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 type[1] and area: (Label reqd. by 13-104.4.5 if not default)				
	a. U-factor:	Description	Area		
	(or Single or Double DEFAULT)	7a (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 (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)			PT,	

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

Builder Signature: Melissa McGee Date: 05/16/08

Address of New Home: 254 SW Timber Ridge Dr City/FL Zip: Lake City, FL 32025

GREAT SEAL OF THE STATE OF FLORIDA — IN GOD WE TRUST

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

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

Inst:200812014277 Date:7/31/2008 Time:9:16 AM
DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1155 P:1861

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 10-4S-16-02856-121

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)*: 211 Timberlands
   a) Street *(job)* Address: 2521 SW Timberlands Drive
2. General description of improvements: construction of a single family dwelling
3. Owner Information
   a) Name and address: Maronda Homes Inc of FL 6800 Southpoint Pkwy #300 Jax FL 32216
   b) Name and address of fee simple titleholder (if other than owner) _____
   c) Interest in property _____
4. Contractor Information
   a) Name and address: Maronda Homes Inc of FL 6800 Southpoint Pkwy #300. Jax FL 32216
   b) Telephone No. (904) 296-1490 Fax No. (Opt.) (904) 332-0375
5. Surety Information
   a) Name and address: _____
   b) Amount of Bond: _____
   c) Telephone No.: _____ Fax No. (Opt.) _____
6. Lender
   a) Name and address: _____
   b) Phone No. _____
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
   a) Name and address: Southern Title Holding Co LLC 3943 Baymeadows Rd Jax FL 32217
   b) Telephone No.: (904) 739-2205 Fax No. (Opt.) _____
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(l)(b), Florida Statutes:
   a) Name and address: _____
   b) Telephone No.: _____ Fax No. (Opt.) _____
9. Expiration date of Notice of Commencement **(the expiration date is one year from the date of recording unless a different date is specified)**: _____

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

STATE OF FLORIDA
COUNTY OF COLUMBIA

10. _____
Signature of Owner or Owner's Authorized Office/Director/Partner/Manager

Theodore C. Brock
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 16 day of May, 20 08, by: Theodore C. Brock as V.P. of Construction **(type of authority, e.g. officer, trustee, attorney fact)** for Maronda Homes Inc of Florida **(name of party on behalf of whom instrument was executed).**

Personally Known XX OR Produced Identification _____ Type _____

Notary Signature Melissa L McKague Notary Stamp or Seal:

Notary Public State of Florida
Melissa L McKague
My Commission DD493647
Expires 11/22/2009

—AND—

11. Verification pursuant to Section 92.525, Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

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

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001642

DATE 07/30/2008 PARCEL ID # 10-4S-16-02856-121

APPLICANT PATRICK WILSON PHONE 904.296.1490

ADDRESS 6800 SOUTHPOINT PKWY. #300 JACKSONVILLE FL 32216

OWNER MARONDA HOMES,INC. OF FLORIDA PHONE 904.296.1490

ADDRESS 254 SW TIMBE RIDGE DRIVE LAKE CITY FL 32024

CONTRACTOR THEODORE BROCK PHONE 407.227.3504

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

4TH LOT ON L.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT TIMBERLANDS 21

SIGNATURE

INSTALLATION REQUIREMENTS

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

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

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

[ ] Department of Transportation Permit installation approved standards.

[ ] Other

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

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

Amount Paid 25.00

COLUMBIA COUNTY GATEWAY TO FLORIDA

GEO-TECH, INC.

Engineering Consultants in Geotechnical • Environmental • Construction Materials Testing

27218

FIELD DENSITY WORKSHEET

CLIENT: Maronda Homes

DATE: 28 Jul 08

PROJECT NO.:

PROJECT NAME: Timber Lands Lake City

PERMIT NO.:

EARTH CONTRACTOR: Lot # 21 Job # 9Tm210

TESTED BY: JHC

COMPACTION REQUIREMENT (%): 95%

☐ Standard Proctor
☑ Modified Proctor

FIELD CONTACT: Patrick

TOTAL ON-SITE TIME:

MILES FROM OFFICE:

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

TEST LOCATION	LAB PROCTOR DENS.	LAB PROCTOR OMC	TEST DEPTH	PROBE DEPTH	% MOIST.	WET DENSITY (PCF)	DRY DENSITY (PCF)	% COMP.
Ctr. of Pad	104.9	10.1	FG	12"	6.6	110.6	103.8	98.9
Ctr. of E. Ftg					5.8	107.5	101.6	96.8
Ctr. of W Ftg					6.3	108.2	101.8	97.0

REMARKS:

* Density failed to meet minimum project requirement

** Retest indicates minimum density requirement was obtained.

( ) Client is aware of unsatisfactory test results.

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

Columbia County

Building Department

Residential Plan Review Checklist

JTH 7-2-08

Application #0806-53

Date Received: 6/27/08

911 Address: 254 SW Timber Ridge Dr.

Applicant Name: Theodore Brock/Patrick Wilson
Phone # 904-296-1490

Owner Name: Moronda Homes Phone # 904-296-1490

Contractor Name: Theodore Brock
Engineer/Architect Name: Tomas Ponce Phone # 407-321-0064

Fax Numbers: 904-332-6367

Application and Processing Forms

1.	Application & Checklist complete	Yes
2.	Notice of Commencement recorded at Columbia County Clerk office.	Yes
3.	Section 10 Township 4s Range16 Parcel Number 02856-121 Subdivision Name Timberlands lot 21 block 1	
4.	A copy of a approved Columbia County Environmental Health waste disposal system	Yes
5.	Owner Builder disclosure statement	N/A

6.	Front Setback 50 Side Setback 35 Side Setback 35 Rear Setback 57	
7.	Height of proposed structure measured from existing grade. 23'3"	Yes
8.	Under roof square footage 3061	
9.	Condition heated/cooled area 2236 Florida energy code Matches	Yes
10.	Do worksheet calculations agree with calculations on plans?	Yes
11.	Is the structure within the floodway?	No

Structure Code Compliance

12.	Are plans sealed by Architect or Engineer? Elmer Bergman P. E. # 50158	Yes
13.	Is correct wind speed shown? (FBC R301.2(4)) 110 MPH (3 second gust) 125 MPH	Yes
14.	Is exposure category 'B' shown? (FBC R301.2.1.4)	Yes
15.	Is Importance Factor 1 shown? (FBC 1604.5)	Yes
16.	Is internal pressure coefficient shown? (fully enclosed .18/Partial .55) ASCE 7	Yes
17.	Are pressures for wind loading on components and cladding shown? (FBC R301.2)	Yes
18.	Is there a proposed detach accessory structure on the same lot?	No
19.	Are the exterior walls, less than 6' apart, protected by 1 hr fire-resistance rating? (FBC R302.1)	N/A

20.	Are the projections extending into the 6' separation distance protected by 1 hr fire-resistance rating? (FBC R302.1	N/A
21.	Are penetrations located in the exterior wall of a dwelling separated by less than 6' protected in accordance with FBC R317.3?	N/A

Energy Code Information

22.	Is current energy code form completed properly and signed by designer and owner/agent, address, climate zone(3), Jurisdiction (Columbia County) and jurisdiction number (221000)? (FBC 13-600)	Yes
23.	Does conditioned square feet area on plans match square feet shown on energy forms?	Yes
24.	Manuel J submitted?	No

Construction Plans

25.	Is Designer's name, address and phone number shown on plans?	Yes
26.	Are current codes used for design listed?	Yes

Foundation Plan

27.	Are all footings shown, including interior bearing walls, column pads and concentrated loads? Sheet FTG & 2M	Yes
28.	Are all locations of vertical reinforcement and anchor bolts shown with spacing and size? 1 floor 8" Block	N/A
29.	Are all elevation changes in slab shown? Sheet FTG	Yes
30.	Is horizontal reinforcement shown or specified? Sheet 2M	Yes
31.	Is minimum concrete PSI shown? (FBC R402.2) 2500 PSI sheet 2m General notes	Yes
32.	Wire meshes size and gauges shown?	N/A
33.	Fiber meshes reinforcement? Sheet 2m	Yes
34.	Is vapor barrier, minimum 6 mil. shown? (FBC R320.1.4 & R506.2.3) Need to specify 6 mill Visqueen Sheet 2m	No
35.	Is minimum slab on grade thickness shown? (FBC R506.1) 3 1/2 " Sheet 2m General Notes	Yes
36.	Is type of soil treatment for termites shown? (FBC R320) Sheet 2m General Notes	Yes
37.	Is perimeter slab reinforcement shown? Sheet FTG	Yes
38.	Do plans show bottom of foundation minimum of 12" below finish grade? (FBC R403.1.4) Sheet FTG	Yes
39.	Do plans show concrete footings have a specified compressive strength of not less than 2500 PSI at 28 days? (FBC TABLE R402.2) Sheet FTG	Yes

Typical Wall Section

40.	Is finished grade shown? See Sheet FTG Drawing A one story Typical	Yes
41.	Is minimum floor elevation shown?	No
A.	Minimum 6" above adjacent grade? (FBC R319.1(5)) See Sheet FTG Drawing A one story Typical	Yes
B.	Minimum 12" above crown of road or drainage plan submitted? See subdivision plat (timberland subdivision)	Yes
C.	Flood protection elevation? Zone X	No

Typical Wall Section

D.	Base flood elevation?	N/A
E.	Are engineered floor elevations shown?	N/A
42.	Is minimum footing depth beneath finished grade shown? (FBC R403.1.4)	Yes
43.	Are all footing sizes shown? (FBC TABLE R403.1 for minimum) See Sheet FTG Drawing A one story Typical	Yes

44.	Are all horizontal reinforcements shown? (FBC R606.8)	**Yes**
A.	Number and size of reinforcement? See Sheet FTG Drawing A one story Typical	**Yes**
B.	Minimum lap? See Sheet FTG Drawing A one story Typical	**Yes**
43.	Is vertical reinforcement shown with spacing? (FBC R606.8) see sheet 2M	**Yes**
44.	Masonry construction: 8" Block	**Yes**
A.	Is exterior wall finish shown? Simulated stacked stone sheet 1M	**Yes**
B.	Is interior wall finish shown? ½" drywall Sheet CSU	**Yes**
C.	Is interior furring shown? ¾" PT onto 8" CMU Sheet CSU	**Yes**
D.	Is insulation shown for exterior walls, floors, and roofs? See Sheet WS-B1 drawing B Walls R-4 Attic R-19	**Yes**
45.	Wood frame construction: (FBC R602.3)	**N/A**
A.	Is stud size, spacing, grade and lumber species shown? (FBC R602.3.1)	
B.	Are exterior sheathing (type and thickness) and attachment details shown? (FBC R602.3)	
C.	Are nailing requirements (size and spacing) shown? (FBC R602.3(1) through R602.3(4))	
D.	Is exterior wall finish shown?	
E.	Is interior wall finish shown?	
F.	Is wall insulation shown?	
G.	Is minimum clearance between wood siding and finished grade shown? (FBC R319.1(5)) 6"	
H.	Are shear wall segments shown with detailed drawings?	
I.	Type of hold-downs with locations, number and type of fasteners shown?	
46.	Are all hurricane anchorage and hold-downs specified and labeled?	
47.	Is connector schedule showing connector type, max uplift, number and size of fasteners provided?	
48.	Is ceiling type shown, drywall thickness?	
49.	Are ceiling heights shown? (FBC R305)	

Roof Framing:

50.	Are engineered trusses shown? (FBC R802.10.2)	**Yes**
51.	Are conventional frame rafters used? (FBC R802.2)	**N/A**
52.	Rafter size shown?	
53.	Are all hurricane anchors and hold downs shown and specified?	
54.	Species of lumber shown?	
55.	Grade of lumber shown?	
56.	Type of roof sheathing shown? (FBC R803) See Sheet WS-B1 drawing B 7/16" OSB	**Yes**
57.	Thickness of roof sheeting shown?	**Yes**
58.	Grade of roof sheeting shown? Hip Roof See Sheet RSIm & Sheet TRIm	**Yes**
59.	Nailing pattern of roof sheeting shown? (FBC Table R602.3(1)) See Sheet WS-B1 drawing B	**Yes**
60.	Type of roof cover shown? See Sheet WS-B1 drawing B & Product Approval sheet with plans	**Yes**
61.	Attachment asphalt/fiberglass shingles shown? (FBC R905.2) Product Approval sheet with plans	**Yes**
62.	Other roof covering and attachments shown?	**No**
63.	Length of roof overhang shown? See Sheet WS-B1 drawing B	**Yes**
64.	Type of soffit and fascia shown? Vented See Sheet WS-B1 drawing B	**Yes**
65.	Attic ventilation shown? (FBC R806) See Sheet RSIm	**Yes**

Floor Plan

66.	Does square footage on plan match square footage shown on energy form and site plan?	**Yes**
67.	Are square footage calculations shown for total square footage under roof?	**Yes**
68.	Are all room dimensions shown? (FBC R304.3)	**Yes**
69.	Are all door and window sizes shown?	**Yes**

70.	Are all exterior and adjacent doors shown to be insulated or solid core (other than glass doors)?	Yes
71.	Is garage separated from the residence and its attic area by not less than 1/2 inch gypsum board? (FBC R309.2)	Yes
72.	Are habitable rooms above the garage separated by not less than 5/8 inch Type X gypsum board? (FBC R309.2)	N/A
73.	Is door between garage and living space equipped with solid wood door not less than 1 3/8 inches, solid or honeycomb core steel door not less than 1 3/8 inches thick, or 20 minute fire-rated door? (FBC R309.1)	Yes
74.	Are all emergency egress openings shown (egress windows and doors)? (FBC R310.1)	Yes
75.	Is required tempered glass shown at all hazardous locations? (FBC R308.4)	Yes
76.	Are all vertical reinforcements shown for shear walls shown?	Yes
77.	Are all shear wall segments shown?	Yes
78.	Are all hold-downs and hurricane anchorage shown and identified?	Yes
79.	Is required attic access shown? - 22" x 30" (FBC R807.7)	Yes
80.	Does one (1) bathroom on the first habitable floor level have a 29" net clear door opening and handicap accessible route? (FBC 11-11) (minimum door size 32")	Yes
81.	Does bedroom not opening directly into garage? (FBC R309.1)	No
82.	Is at least one 3' 0" wide, side hinged egress door shown? (FBC R311.4)	Yes
83.	Do doors and landings comply with FBC R311.4.3?	Yes
84.	Are habitable rooms shown with the minimum light and ventilation requirements of FBC R303.1? (8% natural light)	Yes
85.	Are garage doors, all windows, doors, sky lights and other openings shown as meeting wind load requirements for components and cladding per FBC R301.2.1? Are design pressures specified?	Yes
86.	Does floor plan show fireplace?	No
87.	Does masonry fireplace have a detailed for a load-bearing foundation?	N/A
88.	Are copies of pre-fabricated fireplace manufacturer's specifications included?	N/A
89.	Is hearth size and detail shown? (FBC R1003.9)	N/A

Stairs Details

90.	Is minimum stair width shown? (FBC R311.5.1)	N/A
91.	Are tread and riser sizes shown? (FBC R311.5.3)	N/A
92.	Do spiral stairways comply with FBC R311.5.8.1?	N/A
93.	Are required landings and size shown? (Max vertical rise is 12' between floors.) (FBC R311.5.4)	Yes
94.	Are handrail height, spacing and grasp ability details shown? (FBC R311.5.6)	N/A
95.	Is required headroom clearance shown? (FBC R311.5.2) 6' 8"	Yes
96.	Are guardrail height, spacing and details shown (max openings less than 4")? (FBC R312)	N/A
97.	Are exterior door landing shown?	Yes

Porches

98.	Are all columns and beams shown for porches and lanais?	N/A
99.	Are column type, size and anchorage shown?	N/A
100.	Are beam type, size, span and anchorage shown including garage opening and porch beams?	Yes
101.	Are all lintel and beam details shown? (FBC R611.7.3)	Yes

Floor Framing (FBC-2307)

102.	Is joist plan provided, showing size, spacing, span, species, grade of lumber and connections?	N/A
103.	Is floor sheathing indicated, showing type, thickness and nailing pattern? (FBC R503)	N/A
104.	Is crawl space opening shown (18" x 24" minimum)? (FBC R408.3)	N/A
105.	Is the crawl space showed to be insulated, showing R rating?	N/A

106.	Is joist plan provided, showing size, spacing, span, species, grade of lumber and connections?	N/A
107.	Is floor sheathing indicated, showing type, thickness and nailing pattern? (FBC R503)	N/A
108.	Is crawl space opening shown (18" x 24" minimum)? (FBC R408.3)	N/A
109.	Is the correct amount of area of ventilation openings shown? (FBC R408.2)	N/A

Elevations

110.	Does plan show four (4) elevations?	Yes
111.	Are attic ventilation requirements shown? (FBC R806.1)	Yes
112.	Are roof pitch and overhang shown for sloped and flat roofs?	Yes
113.	Is chimney height and location shown? (FBC R1001.6)	N/A
114.	Are all lanai/porch details shown?	Yes
115.	Are roof drainage provisions shown? (FBC R801.3)	N/A
116.	Does the front elevation show the existing grade elevation?	No
117.	Is total height shown from the existing grade, not from finished floor?	Yes

Structural Details (also see Structural Code Compliance section)

118.	Are gable end bracing details shown?	N/A
119.	Are roof sheeting nailing zones shown? (FBC FIGURE R301.2(8))	Yes
120.	Are wind design pressures for components and cladding shown? (FBC R301.2)	Yes
121.	Are exterior windows and glass doors shown as approved by independent testing laboratory and do they bear a label by AAMA or WDMA or other approved label? (FBC R613.3.1)	Yes
122.	Are exterior window and door manufacturer's specifications and installation details which meet the specified design pressures provided?	Yes
123.	Are window and door installation and buck details shown?	Yes
124.	Are mullion installation details and design criteria provided	Yes
125.	Are garage door positive and negative design wind pressures shown as meeting requirements of 1.5 x pressure? (FBC R613.4)	Yes
126.	Are number and size of fasteners for all connections shown?	Yes

Electrical (NEC)

127.	Is underground service specified? (WPA 106.3.4)	Yes
128.	Is an exterior service disconnect shown?	No
129.	Is service size (amps) and location shown? (NEC 230) 150 Amp	Yes
123.	Are panel locations shown with proper clearances (NEC 384)?	Yes
124.	Are disconnects shown (WH and A/C equipment) (NEC 440-14)? Include exterior 110 Volt receptacle GFI Near Ac Compressor	Yes
125.	Are GFI receptacles (kitchen, bath, exteriors, basements and garage) shown? (NEC 210-8)	Yes

Electrical (NEC)

126.	Are all smoke detectors shown (bedroom halls, top & bottom of stairs)? (FBC R313.1)	Yes
127.	Are the required carbon monoxide alarm shown within 10 feet of each room used for sleeping room , with the dwelling having a fossil-fuel-burning heater or appliance, a fireplace, or an attached garage carbon monoxide alarm installed purposes.	NO
128.	Are receptacle locations shown? (NEC 210-52) The 2008 National Electric Code expands the Combination Type AFCI requirement beyond bedroom circuits to include ***additional circuits in the home***, (i.e. family rooms, dining rooms, living rooms, hallways, libraries, dens, sun rooms, recreation rooms, and similar rooms.	NO
129.	NEC Article 406.11 states that all 125-volt. 15- and 20-ampere receptacles shall be listed tamper-resistant receptacles the effective date will be upon the adoption of the 2008 NEC	NO
130.	Walls receptacles (12 ft. o.c. & 6 ft from openings)?	Yes
140.	Kitchen counter tops (12 in. widths, 48 in. o.c. and 2in. from edge of counter) and islands?	N/A
141.	Plan shows GFI – receptacles, with water proof or unattended type covers front and rear of dwelling.	Yes
142.	Is switched lighting shown? (NEC 210-70)	Yes

143.	A. Top and Bottom of stairs?	N/A
144.	B. Attic access?	Yes
145.	C. Exterior doors?	Yes
146.	D. Occupiable rooms (light or switched receptacle)?	Yes
147.	Are all electrical fixtures shown?	Yes

Plumbing (FPC)

148.	Are all plumbing fixtures shown on the foundation plan and floor plan?	Yes
149.	Is water heater size and location shown?	Yes
150.	Is the potable well shown on the site plan to include the size of pump motor, size of pressure tank and cycle stop valve?	City

Mechanical (FMC)

151.	Are all mechanical fixtures shown?	Yes
152.	Are the clothes dryer vent route shown not to exceed 25 feet from the dryer location to the outlet terminal.(Fuel & Gas code 504.4)	Yes

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

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

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

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

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

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

GENERAL REQUIREMENTS;

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

Site Plan information including:

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

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

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

Elevations Drawing including:

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

Floor Plan including:

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

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

Foundation Plans Per FRC 403:

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

CONCRETE SLAB ON GRADE Per FRC R506

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

PROTECTION AGAINST TERMITES Per FRC 320:

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

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

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

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

Floor Framing System: First and/or second story

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

WOOD WALL FRAMING CONSTRUCTION FRC CHAPTER 6

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

ROOF SYSTEMS:

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

Conventional Roof Framing Layout Per FRC 802:

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

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

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

ROOF ASSEMBLIES FRC Chapter 9

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

FCB Chapter 13 Florida Energy Efficiency Code for Building Construction

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

HVAC information shown

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

Plumbing Fixture layout shown

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

Electrical layout shown including:

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

- On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type.
- Appliances and HVAC equipment and disconnects
- Arc Fault Circuits (AFCI) in bedrooms

- Notarized Disclosure Statement for Owner Builders

- Notice of Commencement Recorded (in the Columbia County Clerk Office) Notice Of Commencement is required to be filed with the building department Before Any Inspections Will Be Done.

Private Potable Water

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

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

- Building Permit Application: A current Building Permit Application form is to be completed and submitted for all residential projects.

- Parcel Number: The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.

- Environmental Health Permit or Sewer Tap Approval: A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 (Toilet facilities shall be provided for construction workers)

- City Approval: If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. (386) 497-2321

- Flood Information: All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED. A development permit will also be required. The permit cost is $50.00.

- Driveway Connection: If the property does not have an existing access to a public road, then an application for a culvert permit ($25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver ($50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.

- 911 Address: If the project is located in an area where the 911 address has been issued, then the proper Paper work from the 911 Addressing Departments must be submitted. (386) 758-1125

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

PRODUCT APPROVAL SPECIFICATION SHEET

Location:_____ **Project Name:**_____

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

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

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

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

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

Contractor or Contractor's Authorized Agent Signature

PATRICK Wilson — Print Name

6/27/08 — Date

Location

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

Website:

Maronda Systems

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

PLAN JOB #	LOT	ADDRESS	DIV/SUB	MODEL
9TM02101	21-1	254 SW TIMBER RIDGE DR	JAX-9TM	AUSM4 LEFT

AUSTIN M4

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

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

Truss ID	Run Date	Drawing Reviewed	Truss ID	Run Date	Drawing Reviewed
Layout	10/10/07	✓	MHGRD1	11/21/07	✓
V	07/27/05		RG1	11/21/07	
HIP	11/02/06		S1A	11/21/07	
GRD2S	01/03/08		S1B	11/21/07	
H1	11/21/07		T2	11/21/07	
H6	11/21/07		V1	11/21/07	
H7	11/21/07		V10	11/21/07	
H8	11/21/07		V11	11/21/07	
H9	11/21/07		V12	11/21/07	
HGRD1	11/21/07		V13	11/21/07	
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		

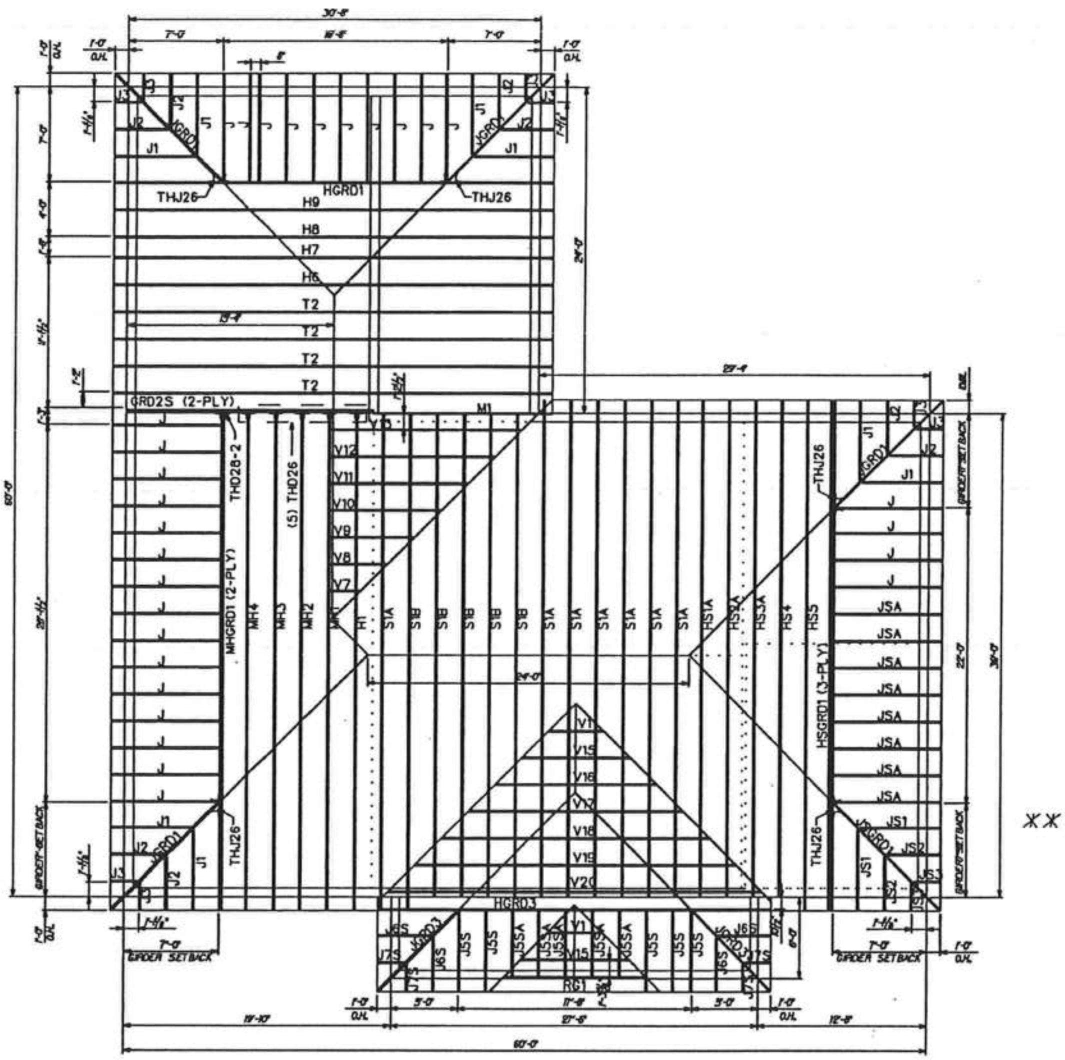
No. of Eng. Dwgs:	56
Roof Loads-	
TC Live:	16.0 psf
TC Dead:	7.0 psf
BC Live:	10.0 psf
BC Dead:	10.0 psf
Total	43.0 psf

DurFac- Lbr:	1.25
DurFac- Plt:	1.25
O.C. Spacing:	24.0"

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

JTH 7-2-08

DATE: MAY 0 9 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

MAY 0 9 2008

HARDWARE MANUFACTURED BY USP

* HARDWARE MANUFACTURED BY SIMPSON

** HARDWARE MANUFACTURED BY CLEVELAND

AUSTIN 4 "M" - FL

GARAGE: LEFT

Maronda Homes

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

DESIGNER: CP DRAWN BY: EJ

CHECKER: MIKE

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"

MITEK 2000 LAYOUT SYSTEM

1.800.648.3587 - miteksupport@mii.com

...\Mitek_II\0054-m-1251-8x 1..11 Dec. 04, 2007 11:01:07

WARNING! BCSI-B1 SUMMARY SHEET - GUIDE FOR HA

GENERAL NOTES

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

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

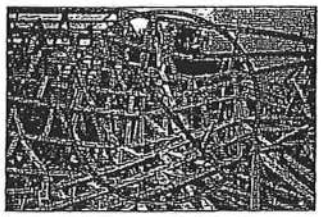
NOTAS GENERALES

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

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

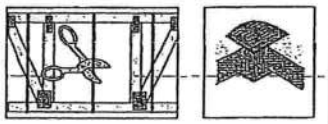
⚠ The consequences of improper handling, erecting, installing, restraining and bracing can result in a collapse of the structure, or worse, serious personal injury or death.

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



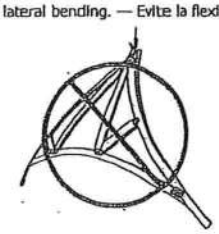
⚠ Banding and truss plates have sharp edges. Wear gloves when handling and safety glasses when cutting banding.

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



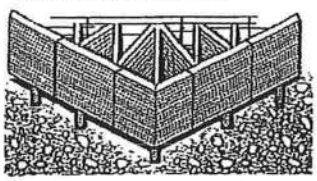
HANDLING — MANEJO

⚠ Avoid lateral bending. — Evite la flexión lateral.



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

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



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

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

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

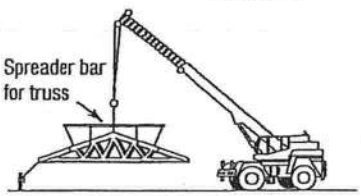
Si los trusses estarán guardados horizontalmente, ponga bloqueando de altura suficiente detrás de la pila de los trusses.

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

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

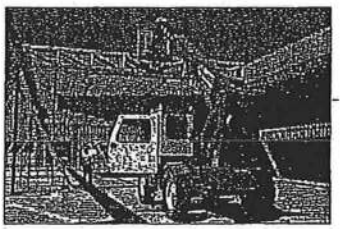
⚠ Use special care in windy weather or near power lines and airports.

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



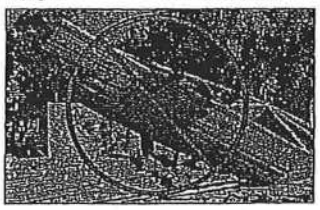
☑ Use proper rigging and hoisting equipment.

Use equipo apropiado para levantar e improvisar.



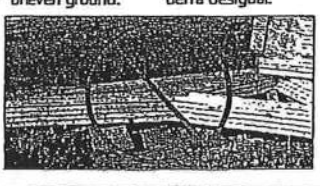
⊘ Do not store unbraced bundles upright.

No almacene verticalmente los trusses sueltos.



⊘ Do not store on uneven ground.

No almacene en tierra desigual.

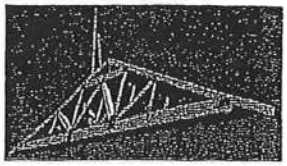


HOISTING RECOMMENDATIONS FOR TRUSS BUNDLES
RECOMENDACIONES PARA LEVANTAR PAQUETES DE TRUSSES.

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

⊘ Never use banding alone to lift a bundle. Do not lift a group of individually banded bundles.

Nunca use sólo los empaques para levantar un paquete. No levante un grupo de empaques individuales.



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

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

⚠ Warning! Do not over load supporting structure with truss bundle.

¡Advertencia! No sobrecargue la estructura apoyada con el paquete de trusses.

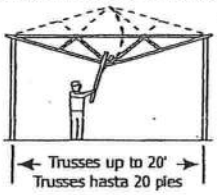
☑ Place truss bundles in stable position.

Puse paquetes de trusses en una posición estable.

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

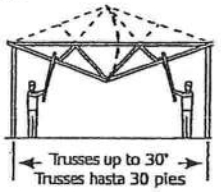
☑ Trusses 20' or less, support at peak.

Levante del pico los trusses de 20 pies o menos.



☑ Trusses 30' or less, support at quarter points.

Levante de los cuartos de tramo los trusses de 30 pies o menos.



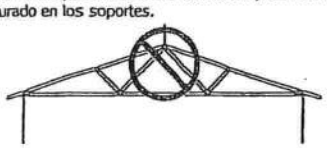
HOISTING OF SINGLE TRUSSES — LEVANTAMIENTO DE TRUSSES INDIVIDUALI

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

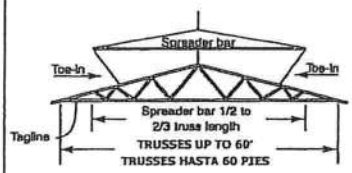
Sostenga cada truss en posición con equipo de grúa hasta que la restricción lateral temporal de la cuerda superior esté instalado y el truss está asegurado en los soportes.

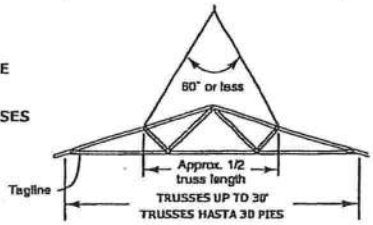
⚠ Warning! Using a single pick-point at the peak can damage the truss.

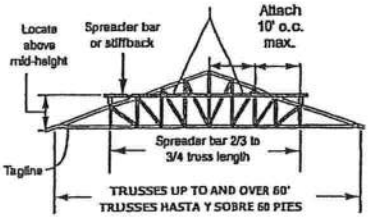
¡Advertencia! El uso de un solo lugar para levantar en el pico puede hacer daño al truss.



HOISTING RECOMMENDATIONS FOR SINGLE TRUSSES
RECOMENDACIONES PARA LEVANTAR TRUSSES INDIVIDUALES



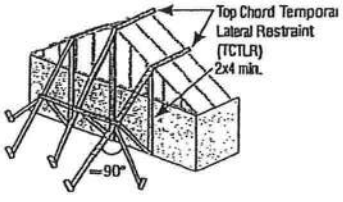




TEMPORARY RESTRAINT & BRACING
RESTRICCIÓN Y ARRIOSTRE TEMPORAL

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

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

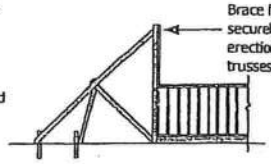


☑ Locate ground braces for first truss directly in line with all rows of top chord temporary lateral restraint (see table in the next column).

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

⊘ Do not walk on unbraced trusses.

No camine en trusses sueltos.



¡ADVERTENCIA! HOJA RESUMEN DE LA GUÍA DE BUENA PRÁCTICA PAR

...ING, INSTALLING, RESTRAINING AND BRACING OF TRUSSES (2006 EDITION)

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

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

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

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

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

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

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

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

...) TOP CHORD — CUERDA SUPERIOR

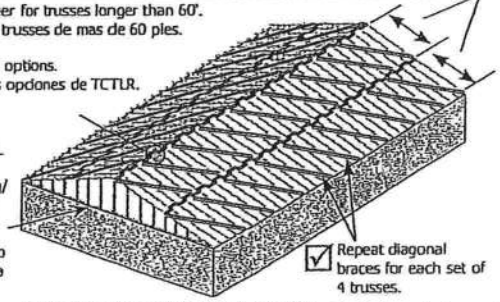
Truss Span Longitud de Tramo	Top Chord Temporary Lateral Restraint (TCTLR) Spacing Espaciamiento del Arriostre Temporal de la Cuerda Superior
Up to 30' Hasta 30 pies	10' o.c. max. 10 pies máximo
30' to 45' 30 a 45 pies	8' o.c. max. 8 pies máximo
45' to 60' 45 a 60 pies	6' o.c. max. 6 pies máximo
60'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

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

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

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

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



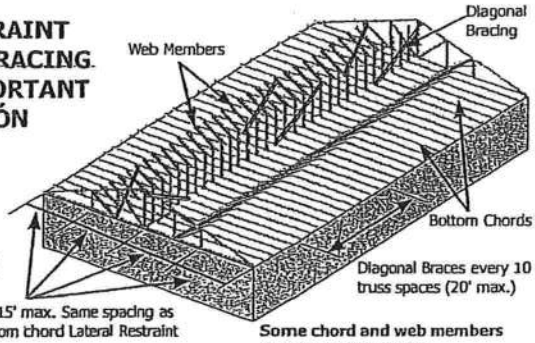
Repeat diagonal braces for each set of 4 trusses.

Repita los arrisotres diagonales para cada grupo de 4 trusses.

Ground bracing not shown for clarity.

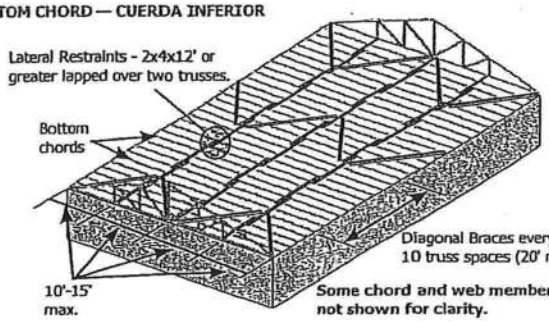
...) WEB MEMBER PLANE — PLANO DE LOS MIEMBROS SECUNDARIOS

...ATERAL RESTRAINT & DIAGONAL BRACING ...RE VERY IMPORTANT
...LA RESTRICCIÓN ...ATERAL Y EL ...RRIOSTRE ...IAGONAL ...ON MUY ...MPORTANTES!



Some chord and web members not shown for clarity.

...) BOTTOM CHORD — CUERDA INFERIOR

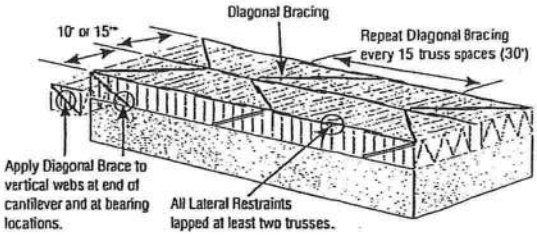


Some chord and web members not shown for clarity.

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

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

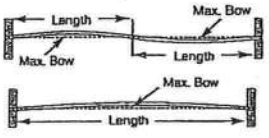
Vea el resumen BCSI-B7 – Restricción y Arriostre Temporal y Permanente de Trusses de Cuerdas Paralelas para más información.



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

INSTALLING — INSTALACION

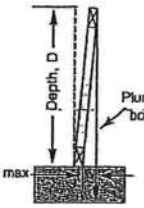
Tolerances for Out-of-Plane.
Tolerancias para Fuera-de-Plano.



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

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

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



CONSTRUCTION LOADING — CARGA DE CONSTRUCCION

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

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

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

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

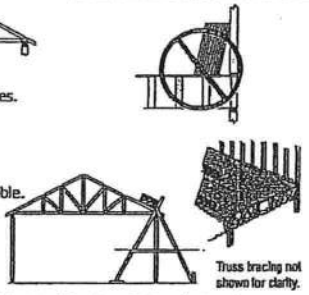
Material	Height
Gypsum Board	12"
Plywood or OSB	16"
Asphalt Shingles	2 bundles
Concrete Block	8"
Clay Tile	3-4 tiles high

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

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

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

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



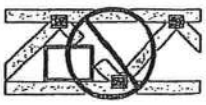
ALTERATIONS — ALTERACIONES

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

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

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

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



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

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

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

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

B1WARN11x17 20061115

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

Maronda Systems

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

Date: November 1, 2006

To: Building Department

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

Subject: Valley Trusses

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

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

Sincerely,

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

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

DESIGN INFORMATION

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

FABRICATION NOTES

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

PRECAUTIONARY NOTES

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

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

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

VALLEY MEMBERS TO BE SET PERPENDICULAR TO TRUSSES BELOW.

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

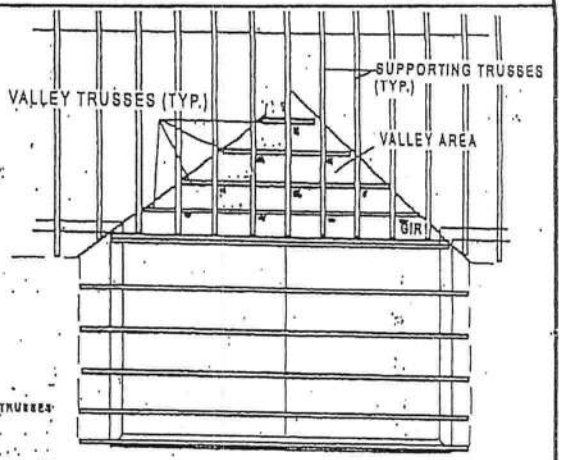
WHEN VALLEY MEMBERS ARE NAILED DIRECTLY TO TRUSS TOP CHORDS USE (2) 16D NAILS PER INTERSECTION, OR TWO FEET ON CENTER. WHEN BELOW TRUSSES ARE SHEATHED FIRST USE (2) 10d NAILS OR (1) 16d NAIL PER INTERSECTION , OR TWO FEET ON CENTER.

2X4 TRANSVERSE BRACING NAILED FLAT TO EDGE OF WEB WITH 12d NAILS AT 8" O.C. OR A SCAB OF THE SAME DIMENSION AND GRADE AS WEB; NAILED TO FACE (S) OF WEB WITH 10d NAILS STAGGERED 8" O.C. SCAB OR TRANSVERSE BRACKING TO EXTEND FOR 90% OF WEB LENGTH. 2X8 BRACE REQUIRED ON ANY WEB EXCEEDING 14'.

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

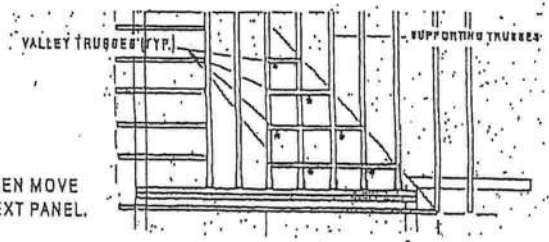
(1) ONE BRACE REQUIRED ON WEBS > = 84.0" LONG *
(2) TWO BRACES REQ'D ON WEBS > =126.0" LONG. **

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

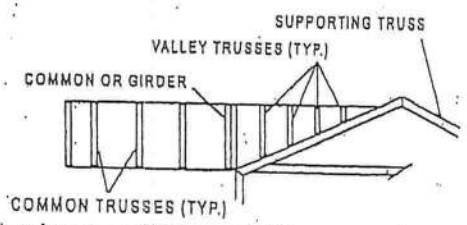


COMMON VALLEY

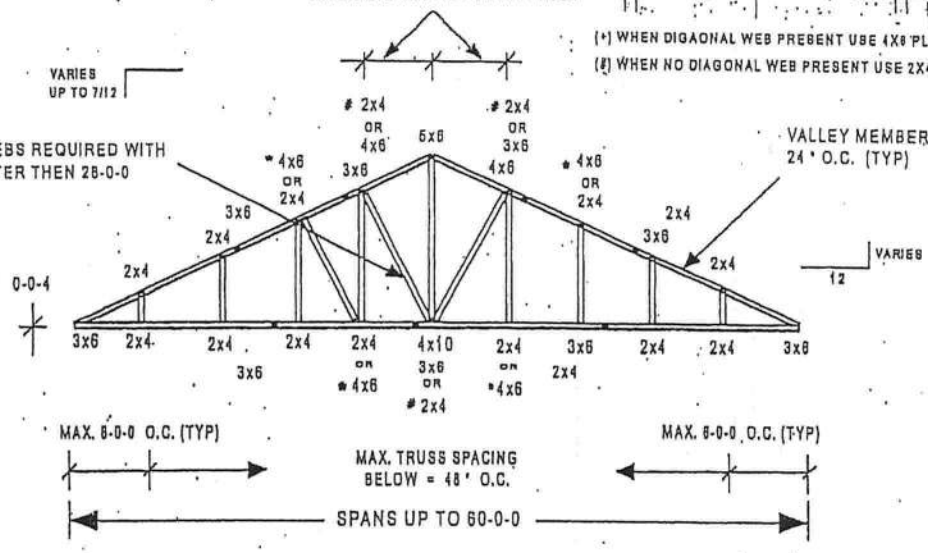
MONO VALLEY



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



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



DEC 17 2005

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

Maronda Systems
4005 MARONDA WAY
Sanford, FL. 32771
(407) 321-0064 Fax (407) 321-3913
TOMAS PONCE P.E. LICENSE #0050068
1005 VANNESSA DR. OVIEDO FL 32765

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

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

Design: Matrix Analysis

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

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

DESIGN INFORMATION

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

FABRICATION NOTES

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

PRECAUTIONARY NOTES

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

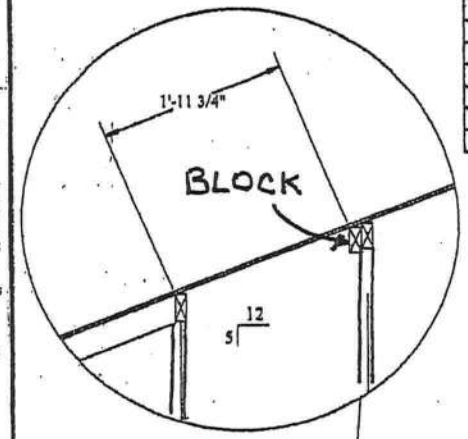
HIP TRUSS BLOCKING REQUIREMENTS

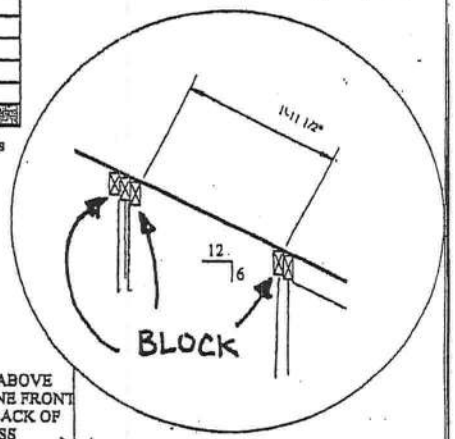
APA-FORM NO. TT-083

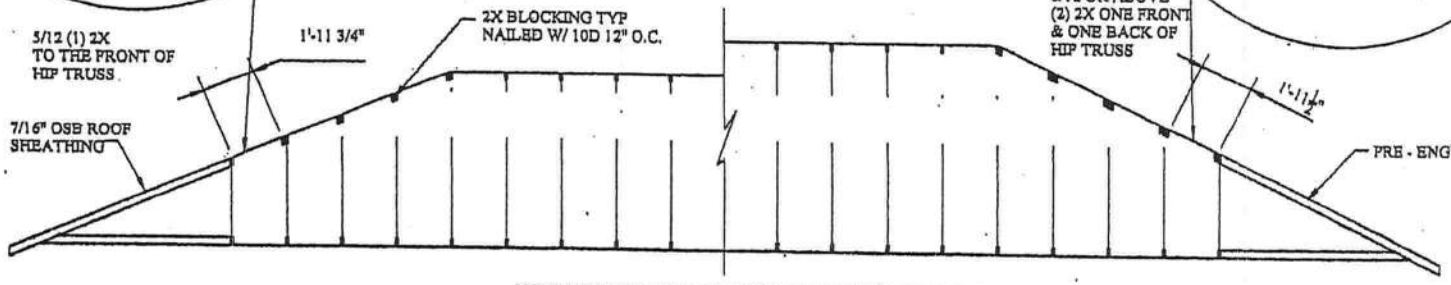
SPAN RATING AND BLOCKING RECOMMENDATIONS FOR USE OVER HIP-ROOFS SUPPORT AT 24" O.C

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

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







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

NOV 0 2 2006

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

WARNING:

READ ALL NOTES ON THIS SHEET. A COPY OF THIS DRAWING TO BE GIVEN TO ERECTING CONTRACTOR. BRACING WARNING:

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

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

Eng Job:		WO: HIPDETAIL
Dwg:		TI: HIP
Dsgnr:TLY Chk:		11/2/2006
TC Live	16.0 psf	Lbr DF: 1.25
TC Dead	7.0 psf	Plt DF: 1.25
BC Live	10.0 psf	O.C.: 2- 0- 0
BC Dead	10.0 psf	TPI-02/FBC-04
TOTAL	43.0 psf	Code: FLA
		v4.7.32-0

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

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4595120
AUSTIN	GRD2S	COMMON	1	2	Job Reference (optional)	

Maronda Homes Inc., Sanford, Florida — 7.020 s Nov 9 2007 MiTek Industries, Inc. Thu Jan 03 16:55:13 2008 Page 1

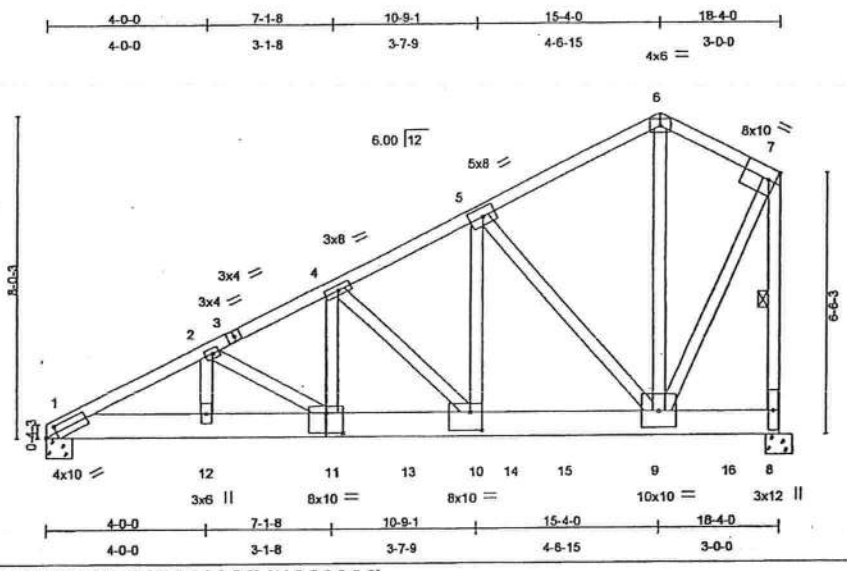


Plate Offsets (X,Y): [1:0-3-9,0-2-0], [7:0-2-3,Edge], [10:0-3-8,0-5-8], [11:0-5-0,0-6-0]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/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/TPI2002	(Matrix)		Weight: 302 lb

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-9-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-11-14 oc bracing.
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 Uplift1=-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=-3111/1256, 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=-6389/2884, 6-9=-1026/2606, 7-9=-2625/6389

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 2 rows at 0-3-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) 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.
7) 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 813 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

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

January 4,2008

Continued on page 2

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

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-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)

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125 E4530649
AUSTIN	H1	HIP	1	1	Job Reference (optional)

Maronda Homes Inc., Sanford, FL — 7.020 s Nov 9 2007 MiTek Industries, Inc. Wed Nov 21 08:43:48 2007 Page 1

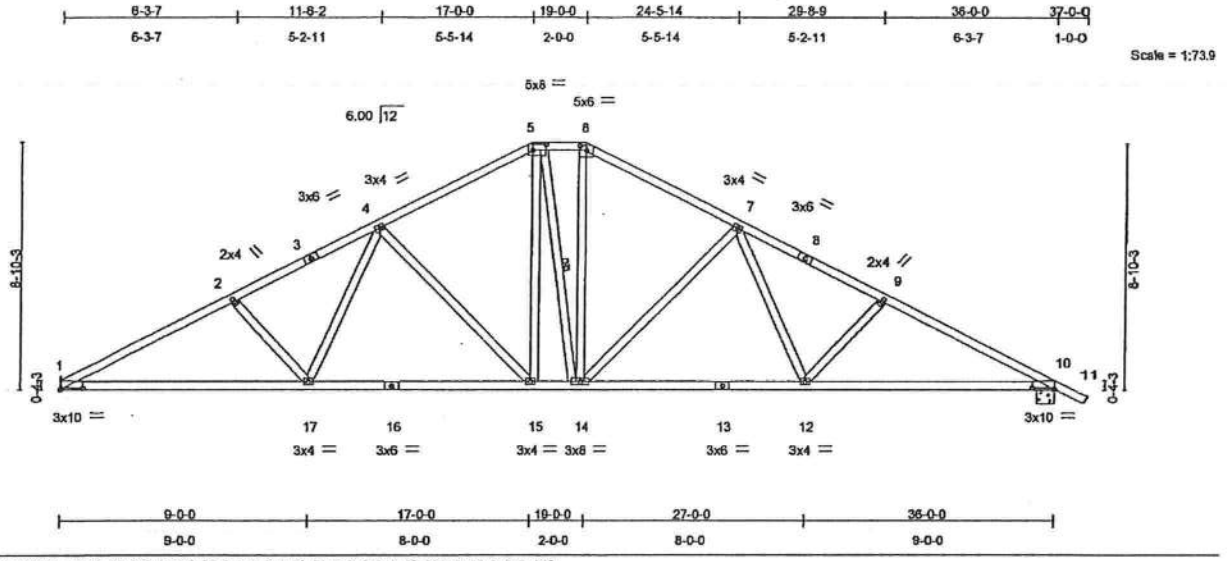


Plate Offsets (X,Y): [1:0-10-0,0-0-10], [5:0-6-0,0-2-8], [6:0-3-0,0-2-0], [10:0-10-0,0-0-10]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/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	0.66	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 Uplift1=-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=-686/2491, 16-17=-468/2060, 15-16=-468/2060, 14-15=-242/1612, 13-14=-453/2030, 12-13=-453/2030, 10-12=-630/2389
WEBS 2-17=-271/263, 4-17=-105/640, 4-15=-659/329, 5-15=-174/634, 5-14=-143/172, 6-14=-169/618, 7-14=-614/307, 7-12=-65/574, 9-12=-209/226

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to 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

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

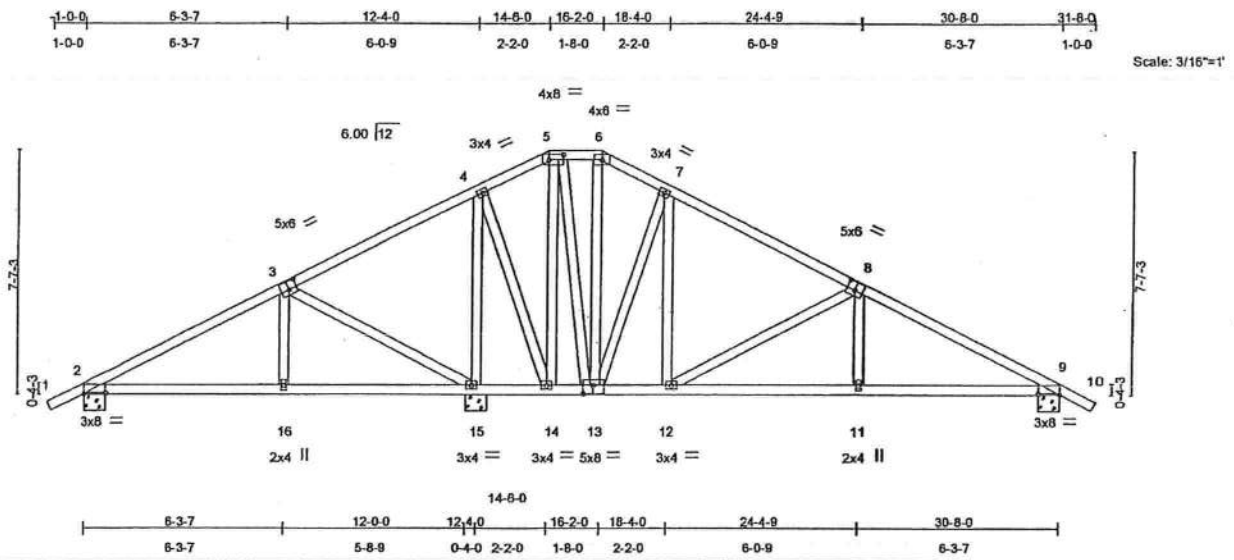


Plate Offsets (X,Y): [2:0-8-0,0-0-6], [3:0-3-0,0-3-0], [4:0-0-0,0-0-0], [5:0-5-8,0-2-0], [6:0-0-0,0-0-0], [7:0-0-0,0-0-0], [8:0-3-0,0-3-0], [9:0-8-0,0-0-6], [13:0-3-12,0-3-0]

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	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.34	Vert(TL)	-0.11	9-11	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.64	Horz(TL)	0.02	9	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(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 Horz 2=-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
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; 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 310 lb uplift at joint 2, 535 lb uplift at joint 15 and 224 lb uplift at joint 9.

LOAD CASE(S) Standard

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November 21,2007

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

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

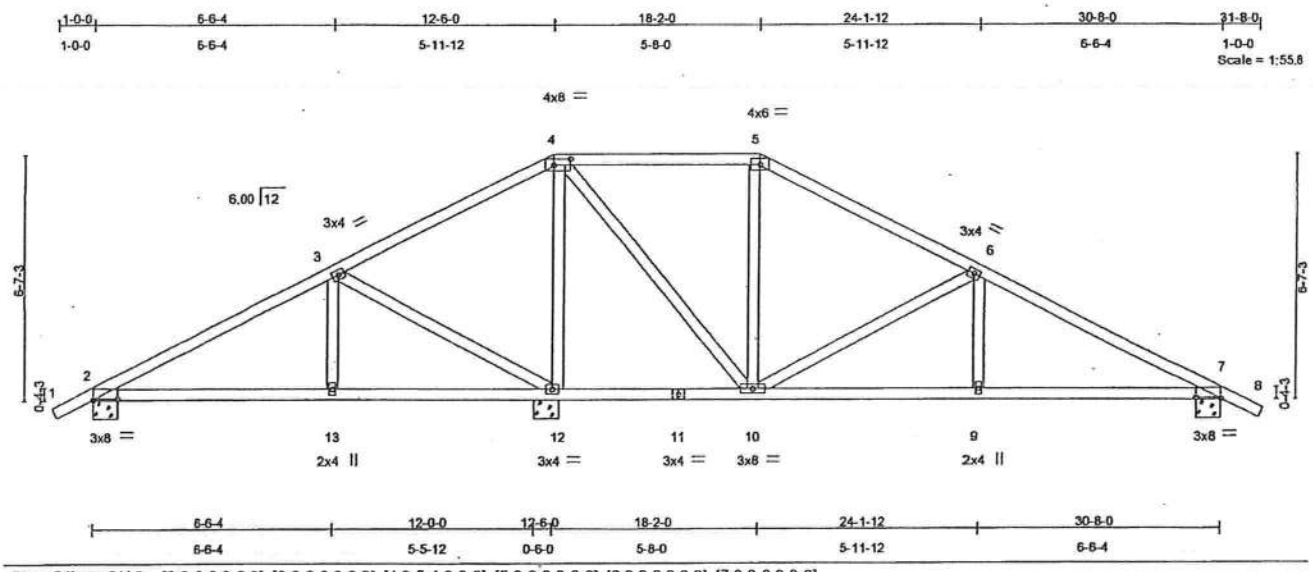


Plate Offsets (X,Y): [2:0-8-0,0-0-6], [3:0-0-0,0-0-0], [4:0-5-4,0-2-0], [5:0-0-0,0-0-0], [6:0-0-0,0-0-0], [7:0-8-0,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.28	Vert(LL)	0.10	2-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.34	Vert(TL)	-0.12	7-9	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.69	Horz(TL)	0.02	7	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 158 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 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 Uplift2=-323(LC 6), 12=-508(LC 6), 7=-211(LC 7)
Max Grav2=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=-40/776, 7-9=-40/776
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
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; 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 323 lb uplift at joint 2, 508 lb uplift at joint 12 and 211 lb uplift at joint 7.

LOAD CASE(S) Standard

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

January 4,2008

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125
AUSTIN	H8	HIP	1	1	E4530656
					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

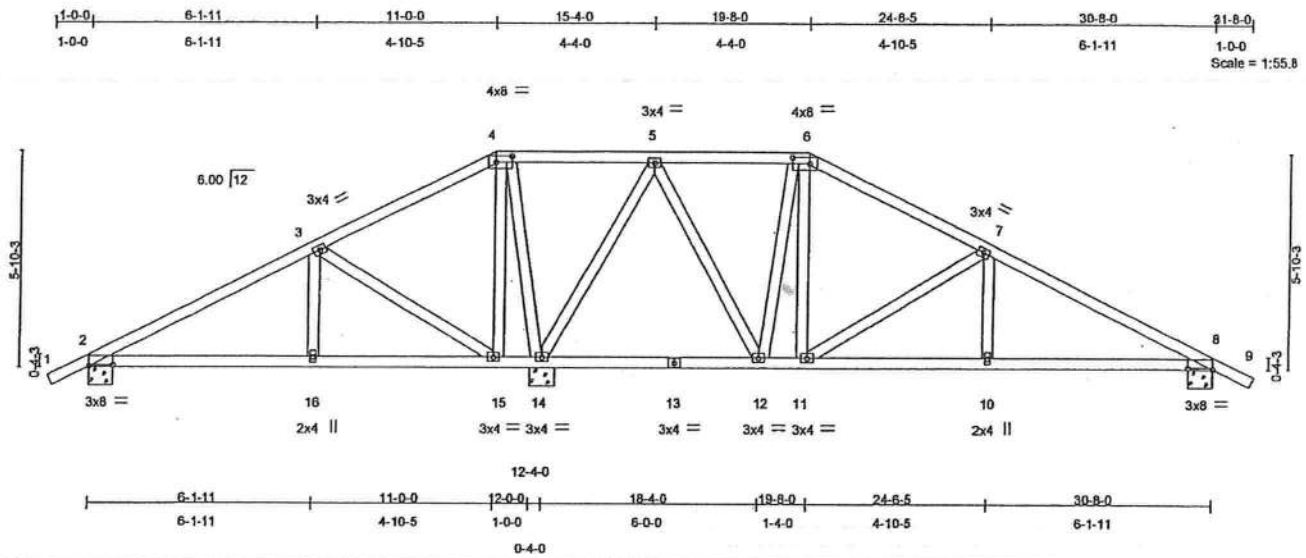


Plate Offsets (X,Y): [2:0-8-0,0-0-6], [3:0-0-0,0-0-0], [4:0-5-8,0-2-0], [5:0-0-0,0-0-0], [6:0-5-8,0-2-0], [7:0-0-0,0-0-0], [8:0-8-0,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.31	Vert(LL)	0.09	2-16	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.30	Vert(TL)	-0.10	8-10	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.55	Horz(TL)	0.01	8	n/a	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 Uplift2=-321(LC 6), 14=-471(LC 6), 8=-209(LC 7)
Max Grav2=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; 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.
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

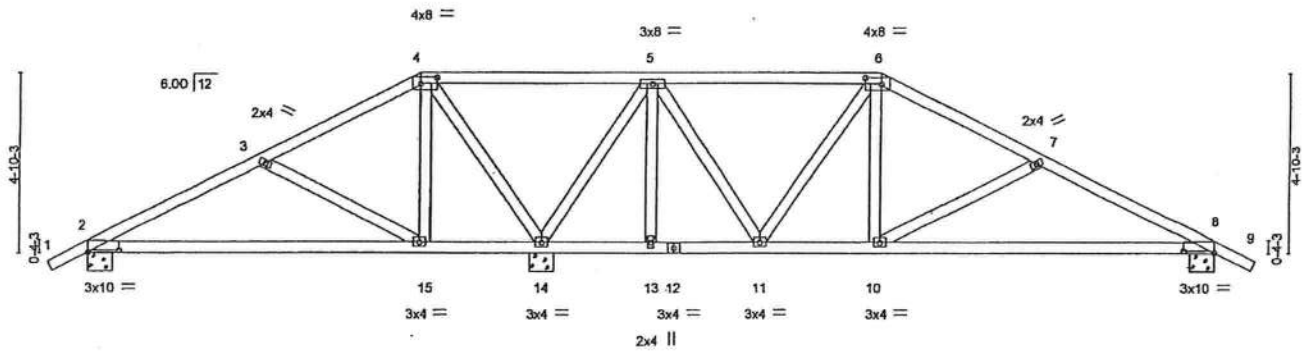
November 21,2007

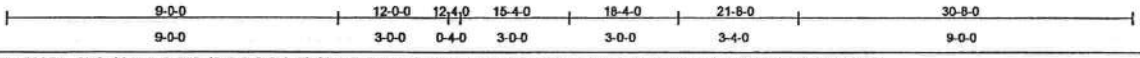
ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125
AUSTIN	H9	HIP	1	1	E4530657
					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

Scale = 1:55.8





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LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.34	Vert(LL)	0.35	2-15	>417	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.54	Vert(TL)	0.24	2-15	>605	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.48	Horz(TL)	0.02	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 162 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 Uplift2=-331(LC 6), 14=-499(LC 5), 8=-202(LC 7)
Max Grav2=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=0/162, 5-11=-146/504, 6-11=-493/160, 6-10=0/435, 7-10=-239/186

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; 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 331 lb uplift at joint 2, 499 lb uplift at joint 14 and 202 lb uplift at joint 8.

LOAD CASE(S) Standard

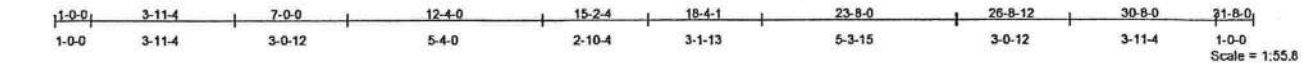
This document was originally issued by Lassiter, Frank on November 21,2007. This is not considered a sealed document. Official sealed drawings are available upon request from the manufacturer indicated above.

November 21,2007

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

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530858
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



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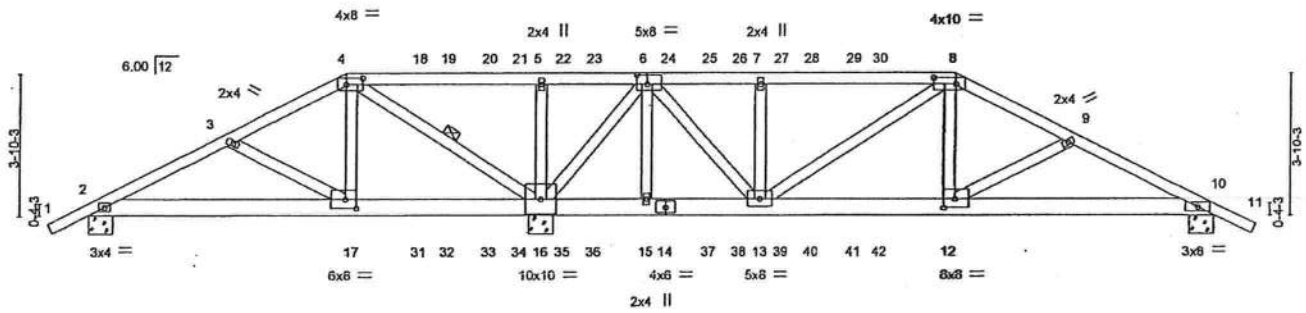

Plate Offsets (X,Y): [2:0-0-0,0-0-0], [3:0-0-0,0-0-0], [4:0-5-4,0-2-0], [5:0-0-0,0-0-0], [6:0-3-8,0-3-0], [7:0-0-0,0-0-0], [8:0-7-0,0-2-0], [9:0-0-0,0-0-0], [10:0-0-0,0-0-0], [12:0-3-8,0-3-0], [17:0-3-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.65	Vert(LL)	-0.06	12-13	>999	240	MT20	244/190
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/TPI2002		(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 Uplift2=-444(LC 5), 16=-2380(LC 8), 10=-672(LC 8)
Max Grav2=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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818 Soundside Road
Edenton, NC 27932

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

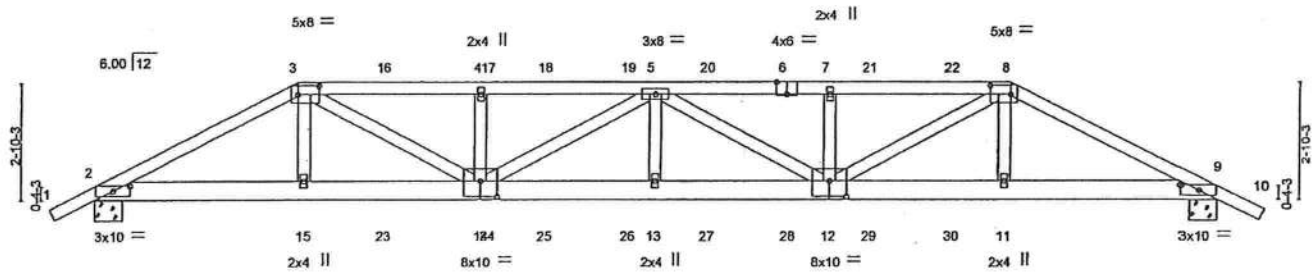
Concentrated Loads (lb)

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)

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

Scale = 1:50.4



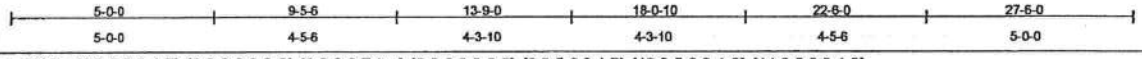


Plate Offsets (X,Y): [2:0-5-0,0-1-7], [3:0-6-0,0-2-8], [6:0-3-0,Edge], [8:0-6-0,0-2-8], [9:0-5-0,0-1-7], [12:0-5-0,0-4-8], [14:0-5-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.56	Vert(LL)	0.34	13	>944	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.74	Vert(TL)	-0.60	13	>535	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.37	Horz(TL)	0.11	9	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 153 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-5-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-10-7 oc bracing.

REACTIONS (lb/size) 2=2087/0-8-0, 9=2108/0-8-0
Max Horz 2=65(LC 7)
Max Uplift2=-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
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) 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.
6) 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.
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

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

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)

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)

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530682
AUSTIN	HS1A	SPECIAL	1	1	Job Reference (optional)	

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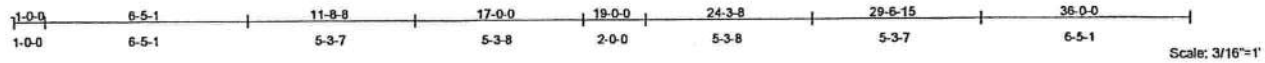

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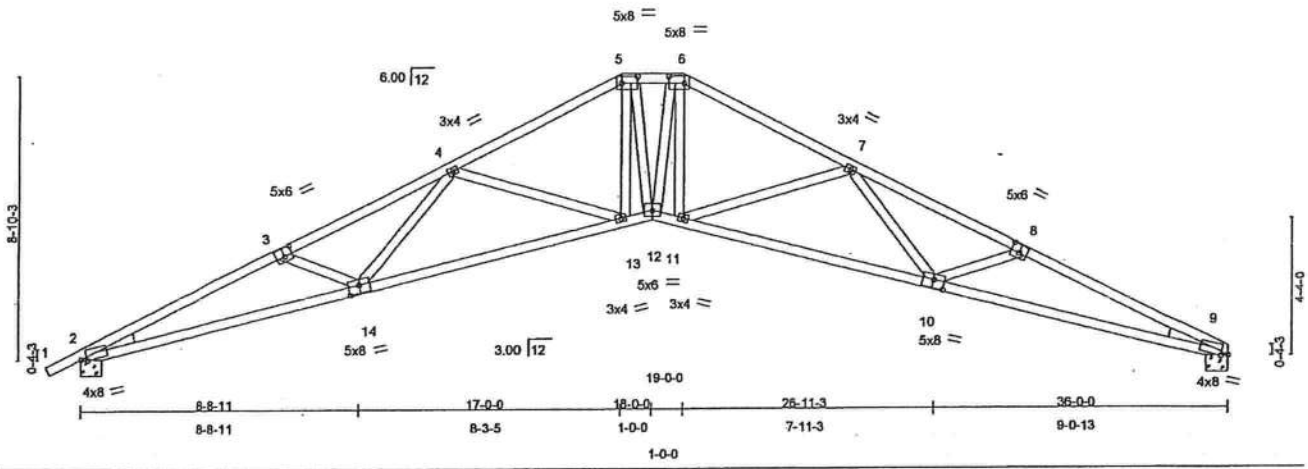

Plate Offsets (X,Y): [2:0-2-7,Edge], [3:0-3-0,0-3-0], [5:0-6-0,0-2-8], [6:0-6-0,0-2-8], [8:0-3-0,0-3-0], [9:0-2-7,Edge], [10:0-4-0,0-3-0], [14:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.88	Vert(LL)	-0.56	13-14	>762	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.96	Vert(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		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							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=-84/880, 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; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Bearing at joint(s) 9, 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

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November 21,2007

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)	

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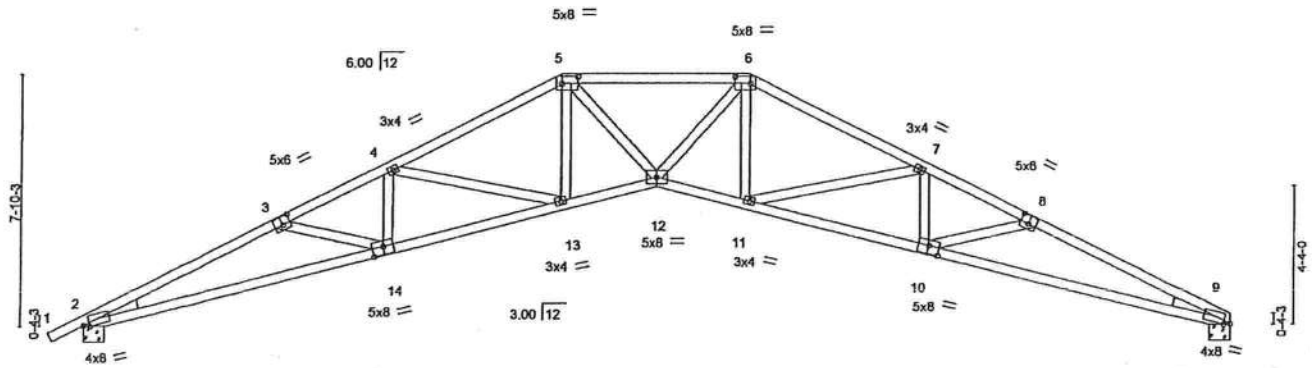
1-0-0 | 6-3-1 | 9-6-8 | 15-0-0 | 21-0-0 | 26-5-8 | 29-8-15 | 36-0-0

1-0-0 | 6-3-1 | 3-3-7 | 5-5-8 | 6-0-0 | 5-5-8 | 3-3-7 | 6-3-1

Scale: 3/16"=1'



9-6-8 | 15-0-0 | 18-0-0 | 21-0-0 | 26-5-8 | 36-0-0

9-6-8 | 5-5-8 | 3-0-0 | 3-0-0 | 5-5-8 | 9-6-8

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)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.89	Vert(LL)	-0.52	12	>814	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.84	Vert(TL)	-1.03	12	>411	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.40	Horz(TL)	0.75	9	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							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 Uplift9=-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
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Bearing at joint(s) 9, 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 267 lb uplift at joint 9 and 348 lb uplift at joint 2.

LOAD CASE(S) Standard

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November 21,2007

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

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125
AUSTIN	HS3A	SPECIAL	1	1	E4530686
					Job Reference (optional)

Maronda Homes Inc., Sanford, FL — 7.020 s Nov 9 2007 MiTek Industries, Inc. Wed Nov 21 08:44:00 2007 Page 1

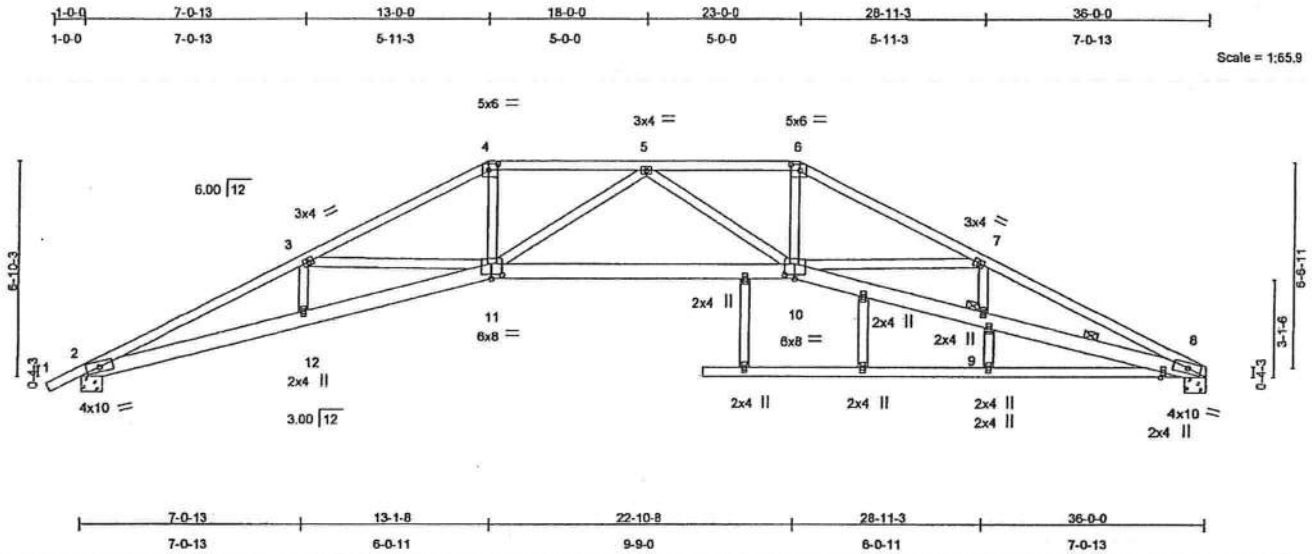

Plate Offsets (X,Y): [4:0-3-8,0-2-4], [6:0-3-8,0-2-4], [10:0-4-0,0-1-8], [11:0-4-0,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/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		
BCLL	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 Uplift8=-251(LC 7), 2=-333(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/22, 2-3=-5019/1526, 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=0/206, 3-11=-666/357, 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
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Bearing at joint(s) 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 251 lb uplift at joint 8 and 333 lb uplift at joint 2.

LOAD CASE(S) Standard

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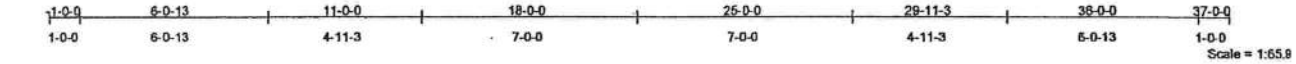
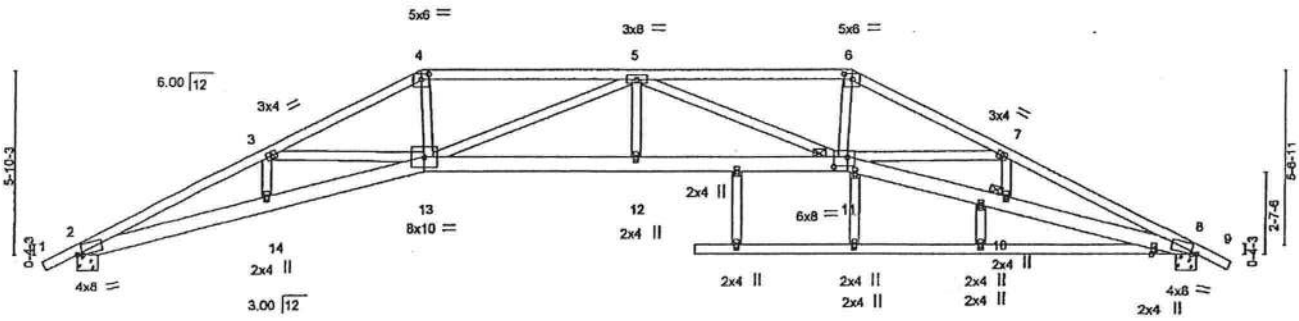
November 21,2007

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

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125 E4530667
AUSTIN	HS4	SPECIAL	1	1	Job Reference (optional)

Maronda Homes Inc., Sanford, FL — 7.020 s Nov 9 2007 MiTek Industries, Inc. Wed Nov 21 08:44:01 2007 Page 1





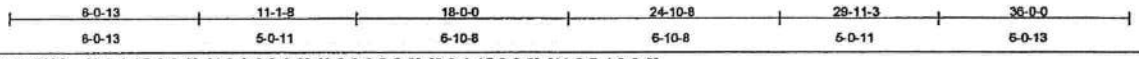


Plate Offsets (X,Y): [2:0-1-15,0-0-9], [4:0-3-0,0-2-0], [6:0-3-0,0-2-0], [8:0-1-15,0-0-9], [11:0-5-4,0-3-8]

LOADING (psf)		SPACING 2-0-0		CSI		DEFL	In	(loc)	l/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/TPI2002		(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 Uplift2=-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
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Bearing at joint(s) 2, 8 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 315 lb uplift at joint 2 and 315 lb uplift at joint 8.

LOAD CASE(S) Standard

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November 21,2007

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

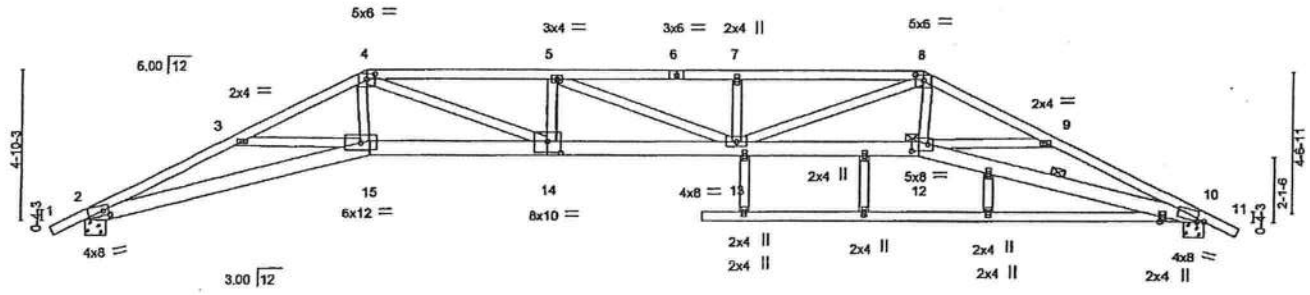
Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125
AUSTIN	HS5	SPECIAL	1	1	E4530668
					Job Reference (optional)

Maronda Homes Inc., Sanford, FL — 7.020 s Nov 9 2007 MiTek Industries, Inc. Wed Nov 21 08:44:01 2007 Page 1

1-0-0 | 5-0-13 | 9-0-0 | 15-0-0 | 21-0-0 | 27-0-0 | 30-11-3 | 36-0-0 | 37-0-0

1-0-0 | 5-0-13 | 3-11-3 | 6-0-0 | 6-0-0 | 6-0-0 | 3-11-3 | 5-0-13 | 1-0-0

Scale = 1:65.9



9-1-8 | 15-0-0 | 21-0-0 | 26-10-8 | 36-0-0

9-1-8 | 5-10-8 | 6-0-0 | 5-10-8 | 9-1-8

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	16.0	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
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.1D *Except* 10-16 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-4-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-7-11 oc bracing. Except: 7-3-0 oc bracing: 10-12
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=-4835/1610, 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=-4839/1611, 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
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Bearing at joint(s) 2, 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 295 lb uplift at joint 2 and 295 lb uplift at joint 10.

LOAD CASE(S) Standard

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November 21,2007

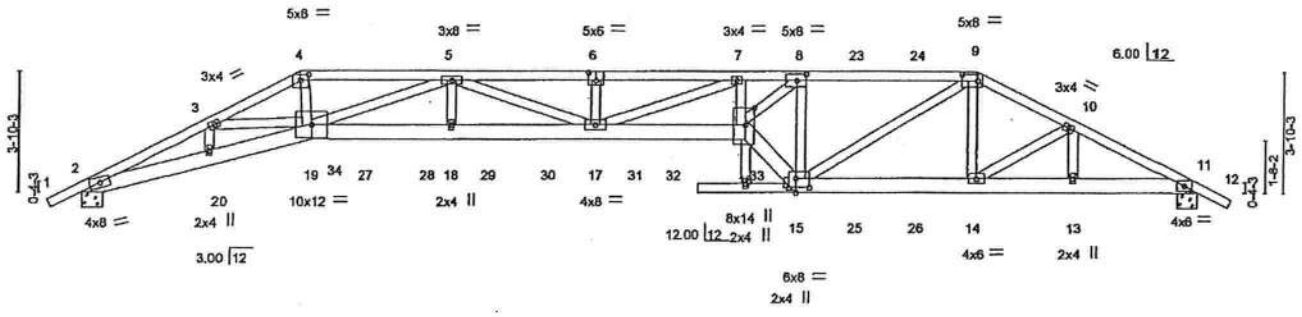
ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

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

Maronda Homes Inc., Sanford, FL — 7.020 s Nov 9 2007 MiTek Industries, Inc. Wed Nov 21 08:44:02 2007 Page 1

1-0-0	4-0-13	7-0-0	11-10-7	16-7-3	21-5-10	23-1-12	29-0-0	32-0-12	36-0-0	37-0-0
1-0-0	4-0-13	2-11-3	4-10-7	4-8-11	4-10-7	1-8-2	5-10-4	3-0-12	3-11-4	1-0-0

Scale = 1:65.9



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)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.46	Vert(LL)	0.75	16-17	>563	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.88	Vert(TL)	-1.26	16-17	>338	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.79	Horz(TL)	-0.47	2	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 653 lb	

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

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

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

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

NOTES
1) 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 0-6-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60.
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) 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.
8) 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

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

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)

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125 E4530670
AUSTIN	J	MONO TRUSS	29	1	Job Reference (optional)

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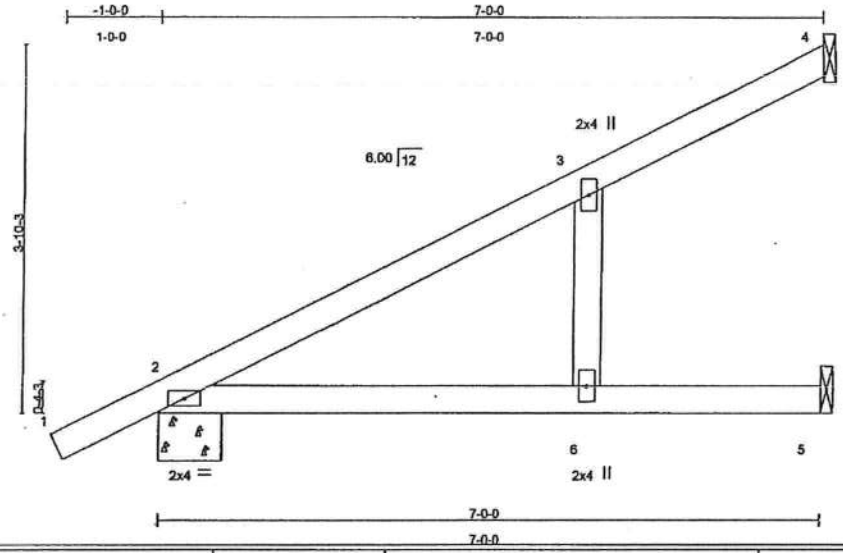

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.38	Vert(LL)	0.14	2-6	>578	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.45	Vert(TL)	-0.26	2-6	>308	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.02	Horz(TL)	0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 27 lb	

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

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

REACTIONS (lb/size) 4=136/Mechanical, 2=355/0-8-0, 5=141/Mechanical
Max Horz 2=178(LC 6)
Max Uplift4=-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.

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Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125 E4530671
AUSTIN	J1	JACK	8	1	Job Reference (optional)

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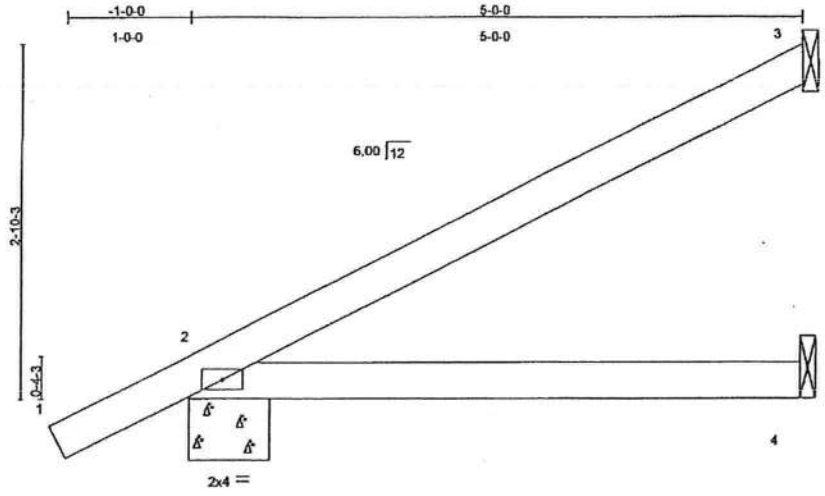

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.18	Vert(LL)	-0.02	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.20	Vert(TL)	-0.06	2-4	>937	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(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=272/0-8-0, 4=92/Mechanical
Max Horz 2=136(LC 6)
Max Uplift 3=-91(LC 6), 2=-114(LC 6)

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

NOTES (5)
1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=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.

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

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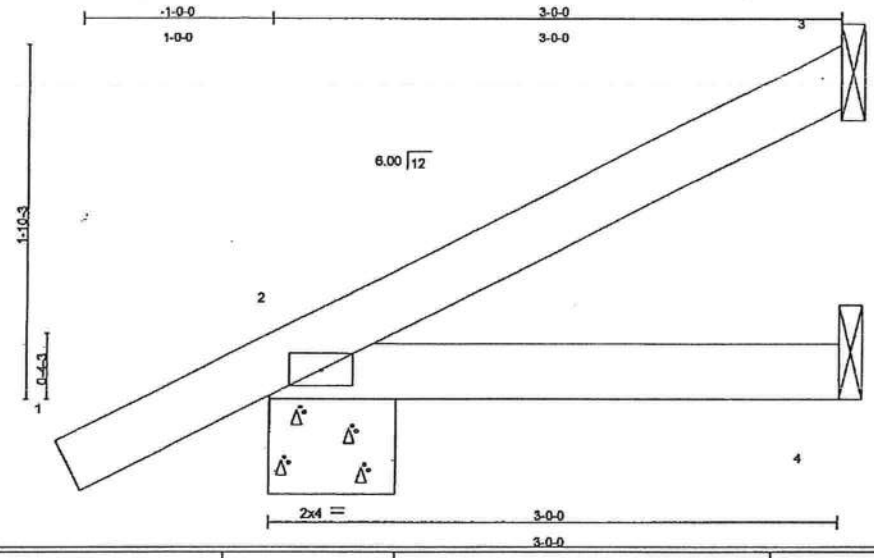

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.15	Vert(LL)	-0.00	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.06	Vert(TL)	-0.01	2-4	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 11 lb	

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

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

REACTIONS (lb/size) 3=43/Mechanical, 2=194/0-8-0, 4=52/Mechanical
Max Horz 2=95(LC 6)
Max Uplift3=-37(LC 6), 2=-113(LC 6)

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

NOTES (5)
1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Refer to 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.

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Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530573
AUSTIN	J3	JACK	8	1	Job Reference (optional)	

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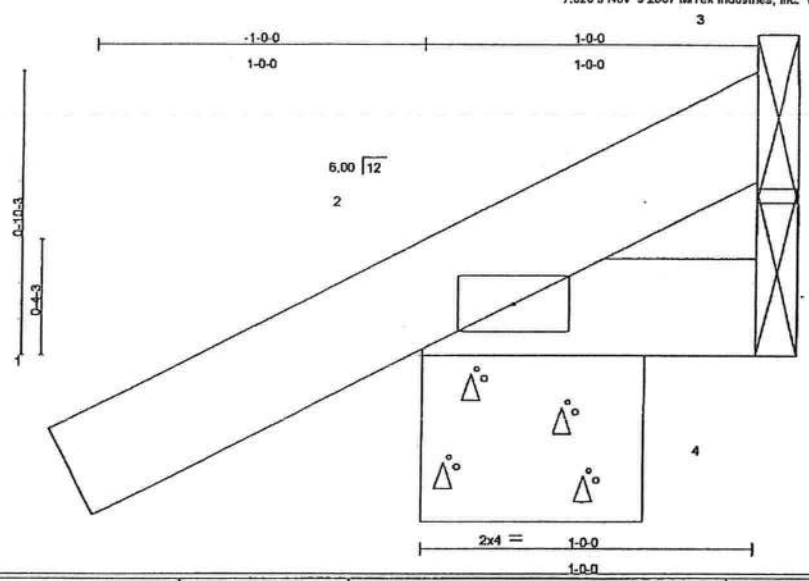

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.11	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(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 Uplift2=-116(LC 6), 3=-11(LC 1)
Max Grav2=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.

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Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125
AUSTIN	J5S	MONO TRUSS	5	1	E4530676 Job Reference (optional)

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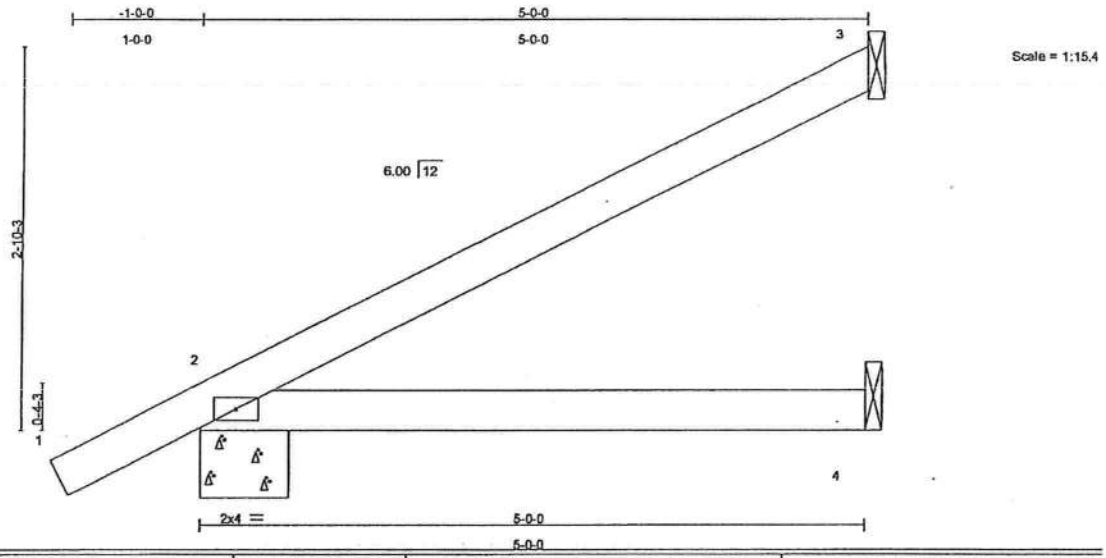

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.18	Vert(LL)	-0.02	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.20	Vert(TL)	-0.06	2-4	>937	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(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=272/0-8-0, 4=92/Mechanical
Max Horz 2=136(LC 6)
Max Uplift3=-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.

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Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530677
AUSTIN	J5SA	MONO TRUSS	5	1	Job Reference (optional)	

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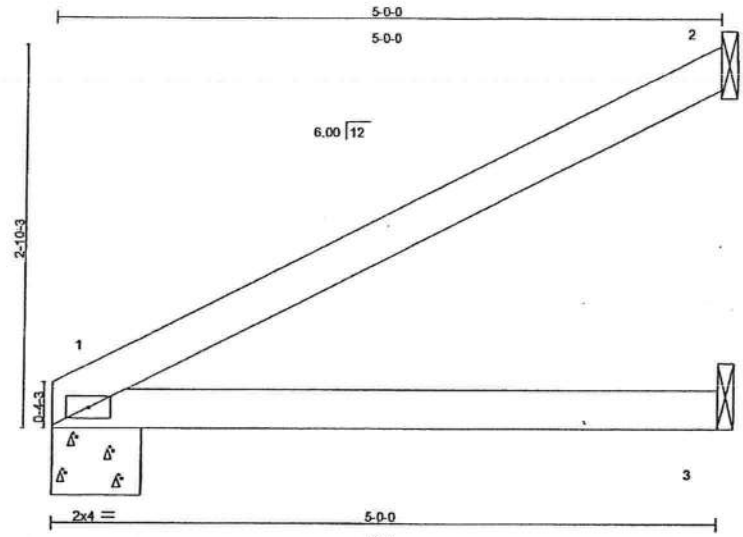

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LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.22	Vert(LL)	-0.02	1-3	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.20	Vert(TL)	-0.06	1-3	>937	180		
BCLL	10.0	Rep Stress Incr	YES	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 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=198/0-8-0, 2=106/Mechanical, 3=92/Mechanical
Max Horz 1=104(LC 6)
Max Uplift1=-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.

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Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125 E4530678
AUSTIN	J6S	JACK	4	1	Job Reference (optional)

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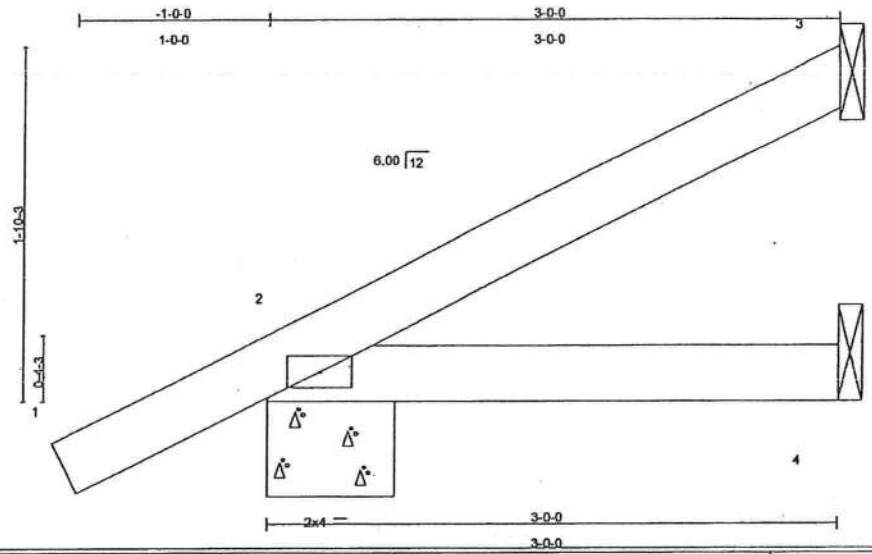

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.15	Vert(LL)	-0.00	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.06	Vert(TL)	-0.01	2-4	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 11 lb	

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

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

REACTIONS (lb/size) 3=43/Mechanical, 2=194/0-8-0, 4=52/Mechanical
Max Horz 2=95(LC 6)
Max Uplift3=-37(LC 6), 2=-113(LC 6)

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

NOTES (5)
1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Refer to 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.

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Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125
AUSTIN	J7S	JACK	4	1	E4530879
					Job Reference (optional)

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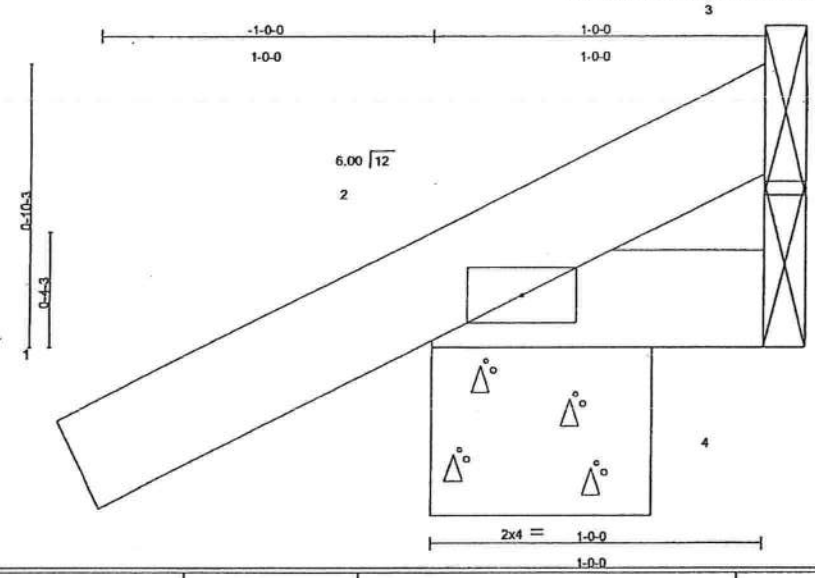

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.11	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(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 Uplift2=-116(LC 6), 3=-11(LC 1)
Max Grav2=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.

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Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530680
AUSTIN	JGRD1	MONO TRUSS	4	1	Job Reference (optional)	

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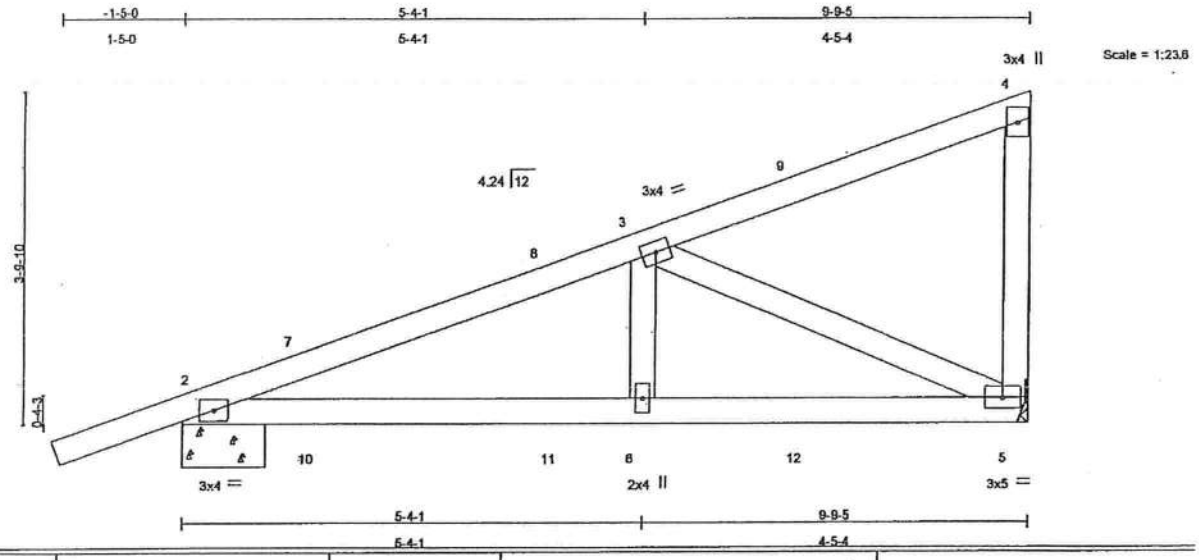

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.24	Vert(LL)	-0.02	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.29	Vert(TL)	-0.05	5-6	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.24	Horz(TL)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 46 lb	

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

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

REACTIONS (lb/size) 5=556/Mechanical, 2=521/0-11-5
Max Horz 2=174(LC 3)
Max Uplift5=-307(LC 7), 2=-247(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/21, 2-7=-816/291, 7-8=-780/309, 3-8=-745/286, 3-9=-116/64, 4-9=-48/0, 4-5=-126/155
BOT CHORD 2-10=-392/728, 10-11=-392/728, 6-11=-392/728, 6-12=-392/728, 5-12=-392/728
WEBS 3-6=0/282, 3-5=-737/387

NOTES
1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; 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 307 lb uplift at joint 5 and 247 lb uplift at joint 2.
5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 43 lb up at 4-4-0, 43 lb up at 4-4-0, 59 lb down and 122 lb up at 7-1-15, 59 lb down and 122 lb up at 7-1-15, and 48 lb down at 1-6-1, and 48 lb down at 1-6-1 on top chord, and 22 lb up at 1-6-1, 22 lb up at 1-6-1, 12 lb down at 4-4-0, 12 lb down at 4-4-0, and 52 lb down at 7-1-15, and 52 lb down at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-46, 2-5=-40
Concentrated Loads (lb)
Vert: 8=8(F=4, B=4) 9=-118(F=-59, B=-59) 10=43(F=22, B=22) 11=-24(F=-12, B=-12) 12=-104(F=-52, B=-52)

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November 21,2007

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

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530682
AUSTIN	JGRD3	JACK	2	1	Job Reference (optional)	

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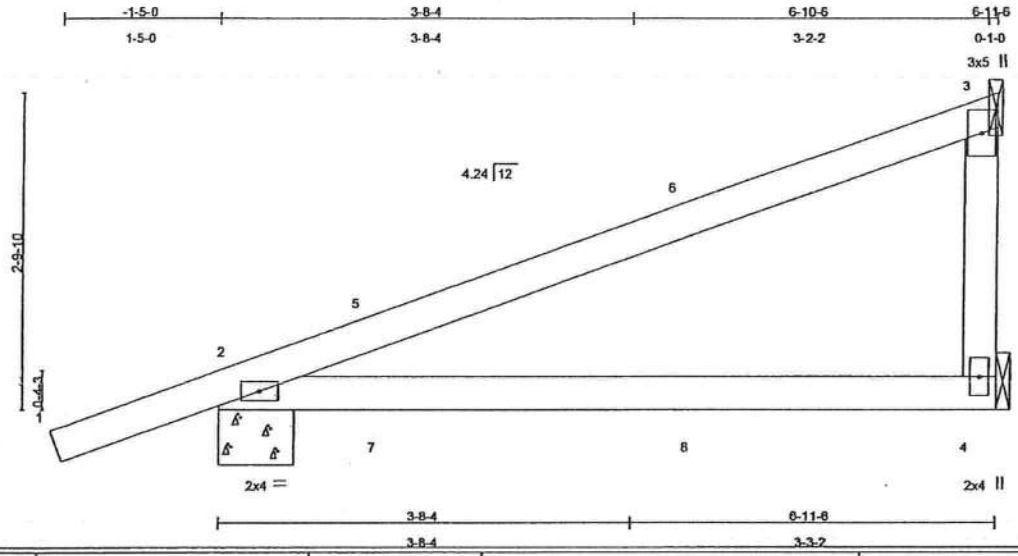

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.48	Vert(LL)	-0.10	2-4	>799	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.48	Vert(TL)	-0.24	2-4	>319	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 27 lb	

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

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

REACTIONS (lb/size) 2=358/0-8-0, 4=142/Mechanical, 3=149/Mechanical
Max Horz 2=132(LC 3)
Max Uplift2=-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 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=-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)

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

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_325
AUSTIN	JS1	SPECIAL	2	1	E4530683
					Job Reference (optional)

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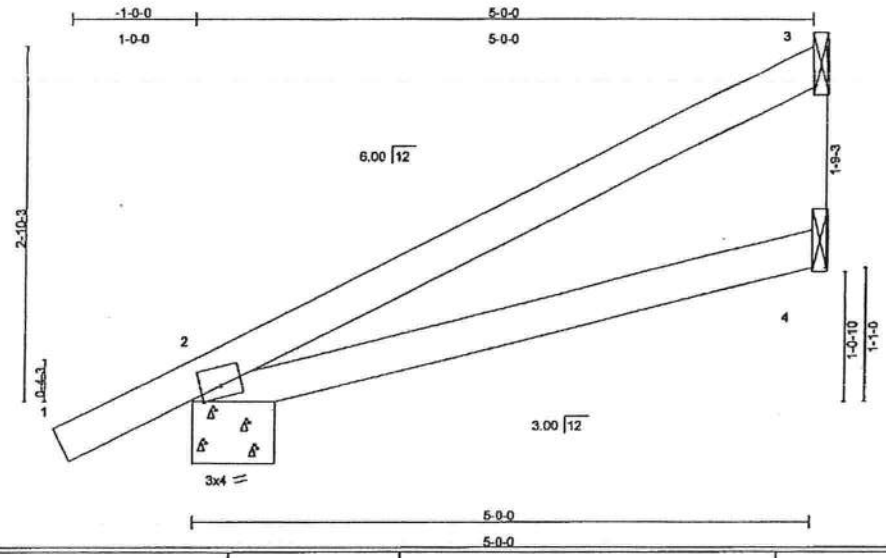

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.18	Vert(LL)	-0.02	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.20	Vert(TL)	-0.06	2-4	>909	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(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=272/0-8-0, 4=92/Mechanical
Max Horz 2=134(LC 6)
Max Uplift3=-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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ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125
AUSTIN	JS2	SPECIAL	2	1	E4530884
					Job Reference (optional)

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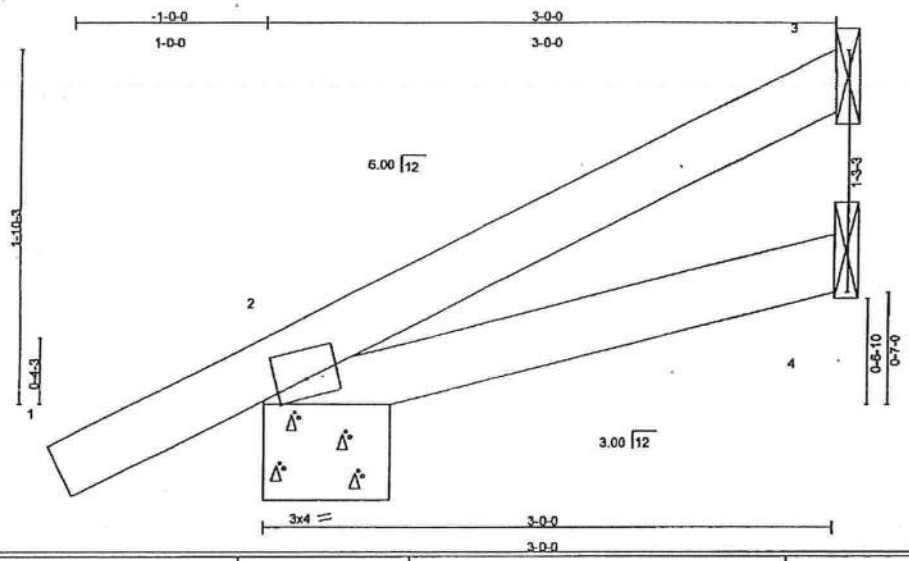

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.15	Vert(LL)	-0.00	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.06	Vert(TL)	-0.01	2-4	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 12 lb	

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

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

REACTIONS (lb/size) 3=43/Mechanical, 2=194/0-8-0, 4=52/Mechanical
Max Horz 2=93(LC 6)
Max Uplift3=-40(LC 6), 2=-110(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/18, 2-3=-40/16
BOT CHORD 2-4=-10/10

NOTES (6)
1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; 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 40 lb uplift at joint 3 and 110 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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TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125
AUSTIN	JS3	SPECIAL	2	1	E4530685
					Job Reference (optional)

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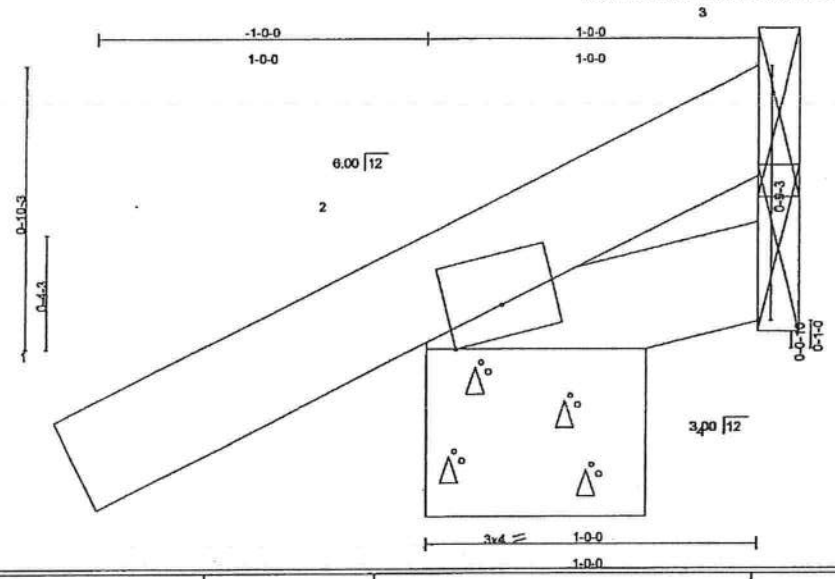

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.10	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002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

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

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

REACTIONS (lb/size) 2=124/0-8-0, 4=18/Mechanical, 3=-11/Mechanical
Max Horz 2=51(LC 6)
Max Uplift2=-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 (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 108 lb uplift at joint 2 and 11 lb uplift at joint 3.
6) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 3 and 4.

LOAD CASE(S) Standard

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

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125
AUSTIN	JSA	SPECIAL	8	1	E4530688 Job Reference (optional)

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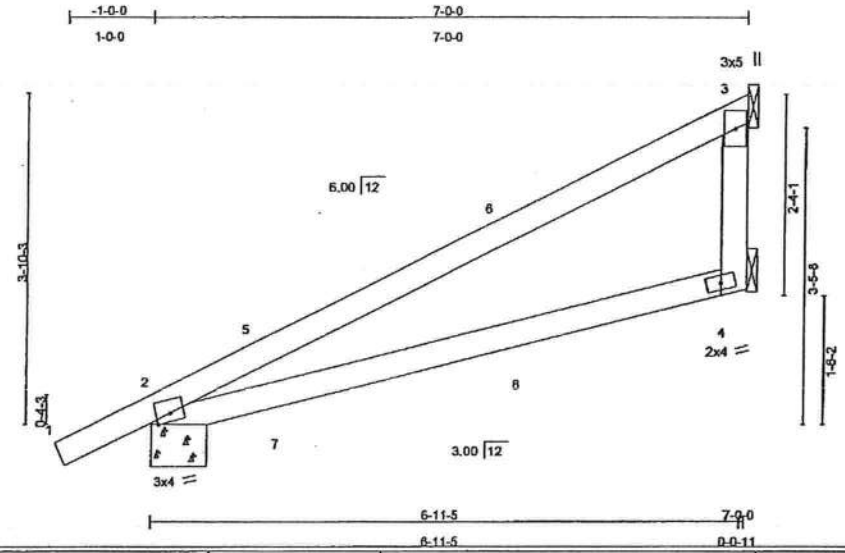

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.49	Vert(LL)	-0.10	2-4	>754	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.45	Vert(TL)	-0.26	2-4	>302	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 27 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 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 Uplift2=-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/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 122 lb uplift at joint 2 and 191 lb uplift at joint 3.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 9 lb down and 57 lb up at 4-4-0, 9 lb down and 57 lb up at 4-4-0, and 47 lb down at 1-6-1, and 47 lb down at 1-6-1 on top chord, and 21 lb up at 1-6-1, 21 lb up at 1-6-1, and 17 lb down at 4-4-0, and 17 lb down at 4-4-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
8) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 3 and 4.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-46, 2-4=-40
Concentrated Loads (lb)
Vert: 6=-19(F=-9, B=-9) 7=41(F=21, B=21) 8=-33(F=-17, B=-17)

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

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530687
AUSTIN	JSGRD1	SPECIAL	1	1	Job Reference (optional)	

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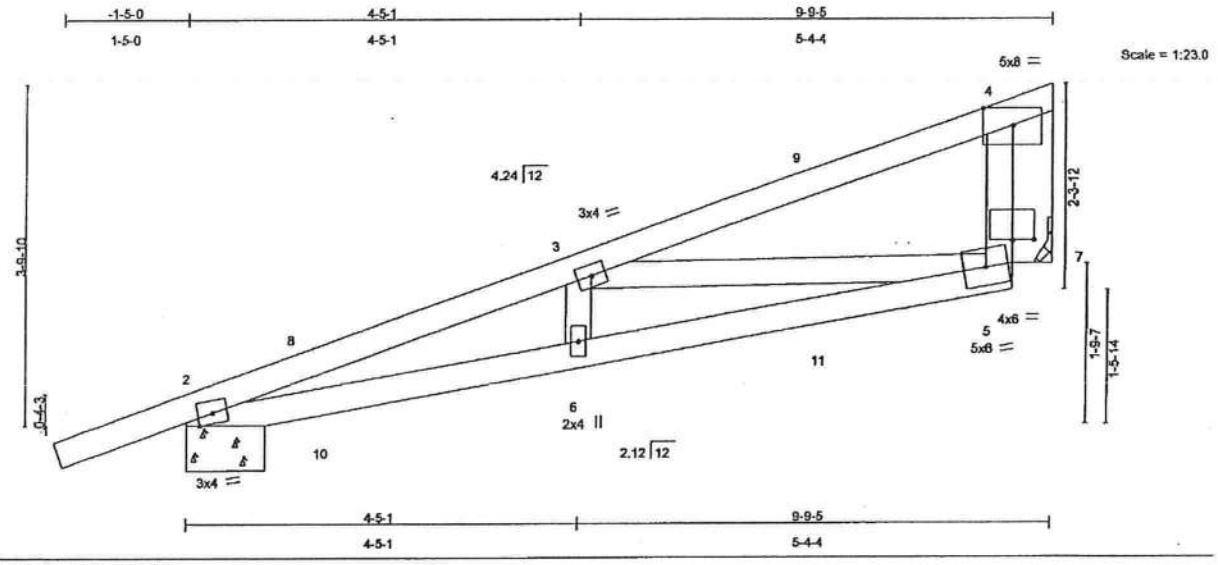

Plate Offsets (X,Y): [5:0-3-0,0-0-1]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.41	Vert(LL)	-0.05	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.48	Vert(TL)	-0.11	5-6	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.30	Horz(TL)	0.02	7	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 46 lb	

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

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

REACTIONS (lb/size) 2=522/0-10-9, 7=516/Mechanical
Max Horz 2=165(LC 7)
Max Uplift2=-260(LC 7), 7=-305(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/17, 2-8=-1374/611, 3-8=-1337/637, 3-9=-445/261, 4-9=-364/188, 4-5=-132/439
BOT CHORD 2-10=-696/1253, 6-10=-688/1286, 6-11=-711/1261, 5-11=-701/1300
WEBS 3-8=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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ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125
AUSTIN	M1	MONO TRUSS	1	1	E4530688
					Job Reference (optional)

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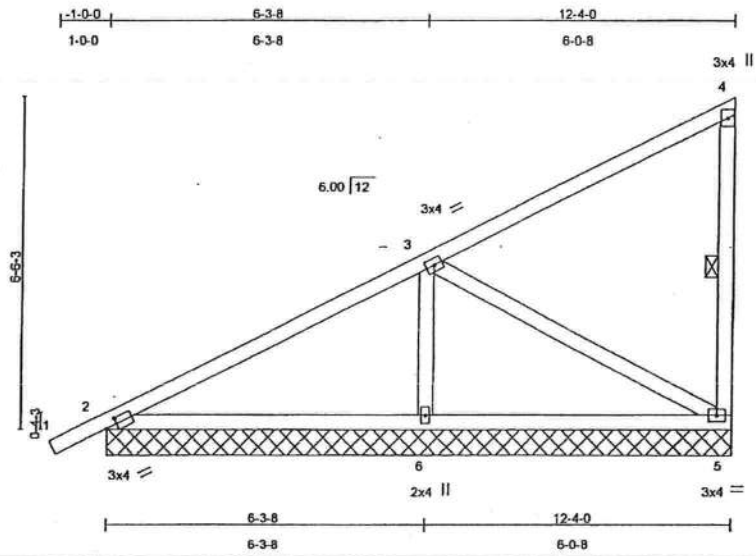

Scale = 1:40.3

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.25	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=286(LC 6)
Max Uplift5=-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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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)

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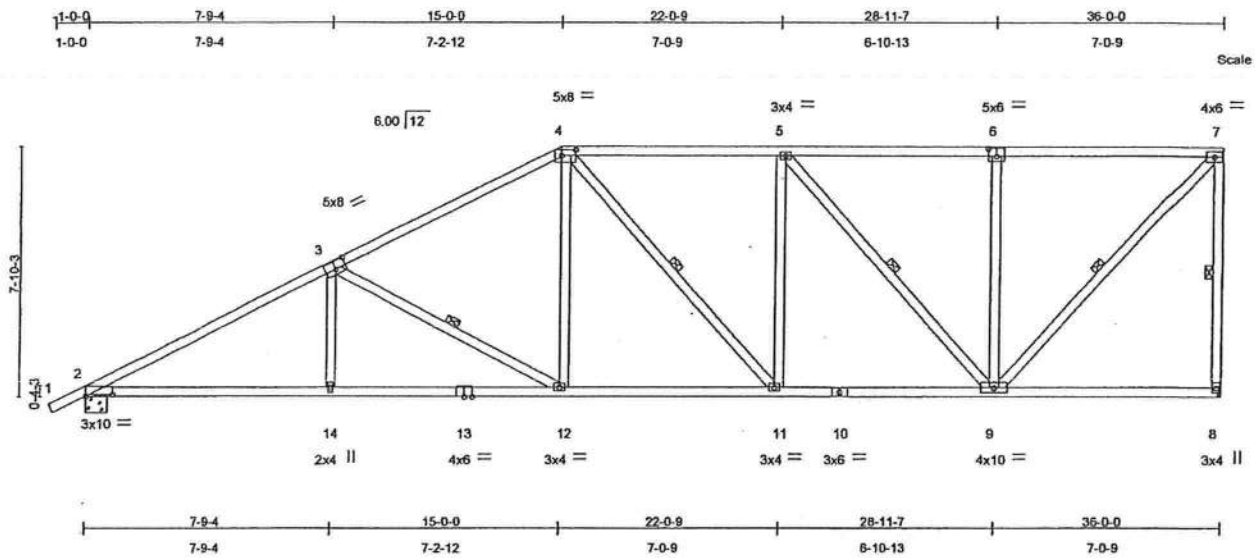

Plate Offsets (X,Y): [2:0-10-0,0-0-10], [3:0-4-0,0-3-0], [4:0-5-8,0-2-4], [6:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/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=1593/0-8-0
Max Horz 8=345(LC 6)
Max Uplift8=-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 362 lb uplift at joint 8 and 329 lb uplift at joint 2.

LOAD CASE(S) Standard

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)

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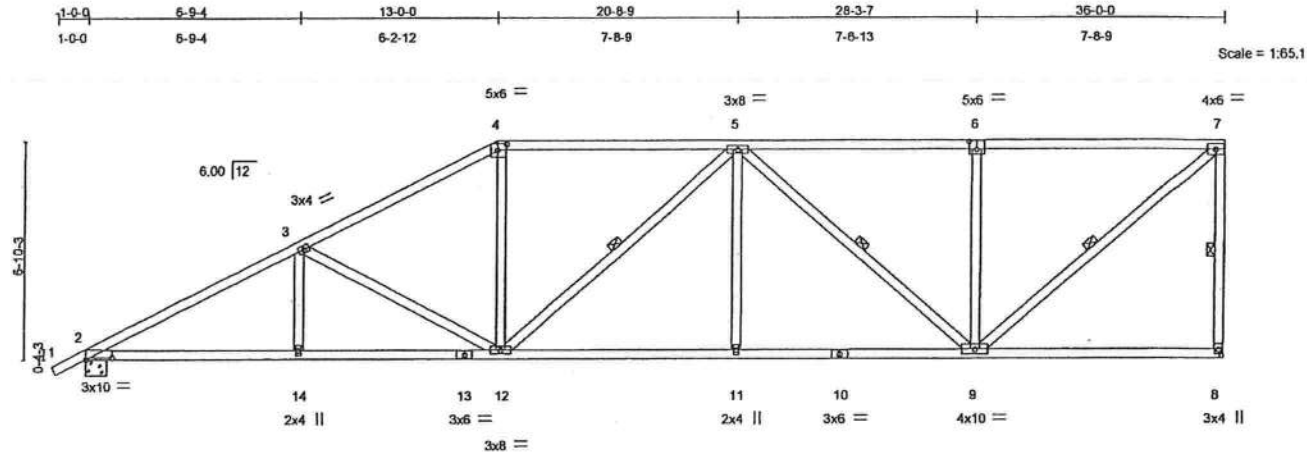

Plate Offsets (X,Y): [2:0-10-0,0-0-10], [4:0-3-8,0-2-4], [6:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/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
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-0-4 oc bracing.
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 8=304(LC 6)
Max Uplift 8=-365(LC 5), 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, 6-9=-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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November 21,2007

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

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125
AUSTIN	MH3	SPECIAL	1	1	E4530691 Job Reference (optional)

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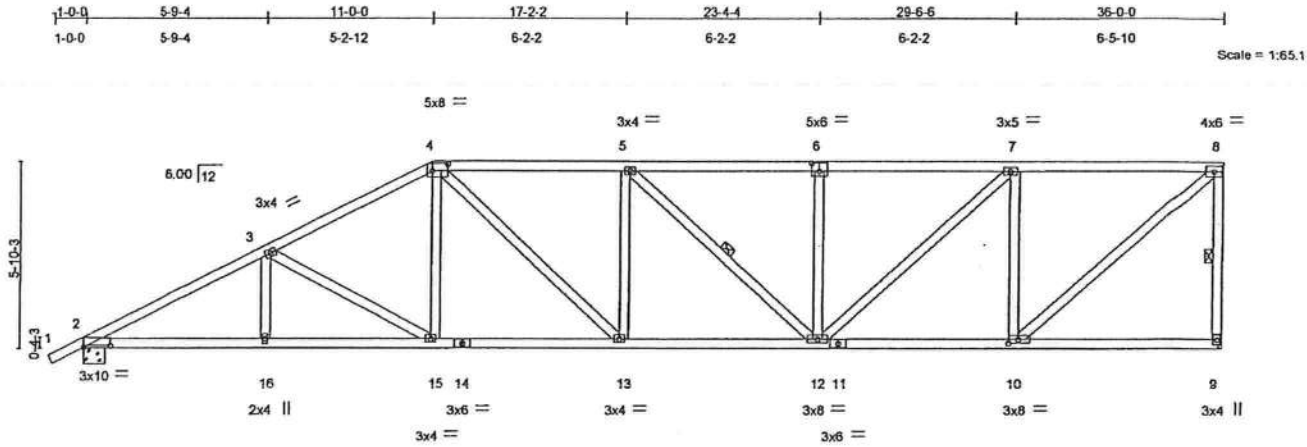

Plate Offsets (X,Y): [2:0-10-0,0-0-10], [4:0-6-0,0-2-8], [6:0-3-0,0-3-0], [10:0-3-8,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-6-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-10-3 oc bracing.
WEBS 1 Row at midpt 8-9, 5-12

REACTIONS (lb/size) 9=1526/Mechanical, 2=1593/0-8-0
Max Horz 9=262(LC 6)
Max Uplift9=-368(LC 5), 2=-305(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/21, 2-3=-2640/884, 3-4=-2382/835, 4-5=-2478/929, 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=-706/1915

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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November 21,2007

ENGINEERING BY TRENCO
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818 Soundside Road
Edenton, NC 27932

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

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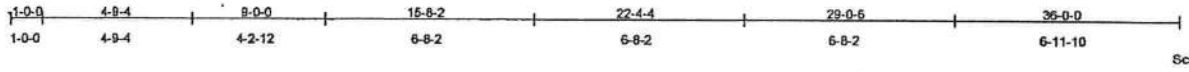

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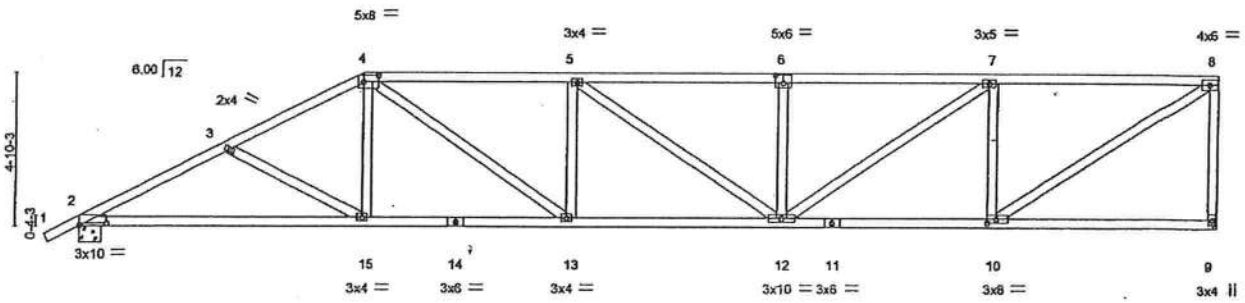

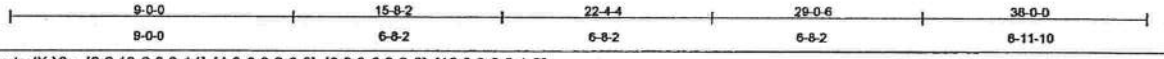

Plate Offsets (X,Y): [2:0-10-0,0-0-14], [4:0-6-0,0-2-8], [6:0-3-0,0-3-0], [10:0-3-8,0-1-8]

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	>868	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/TPI2002		(Matrix)							Weight: 195 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-3 oc 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=-966/545, 8-10=-817/2230

NOTES
1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 370 lb uplift at joint 9 and 296 lb uplift at joint 2.

LOAD CASE(S) Standard

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November 21,2007

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

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

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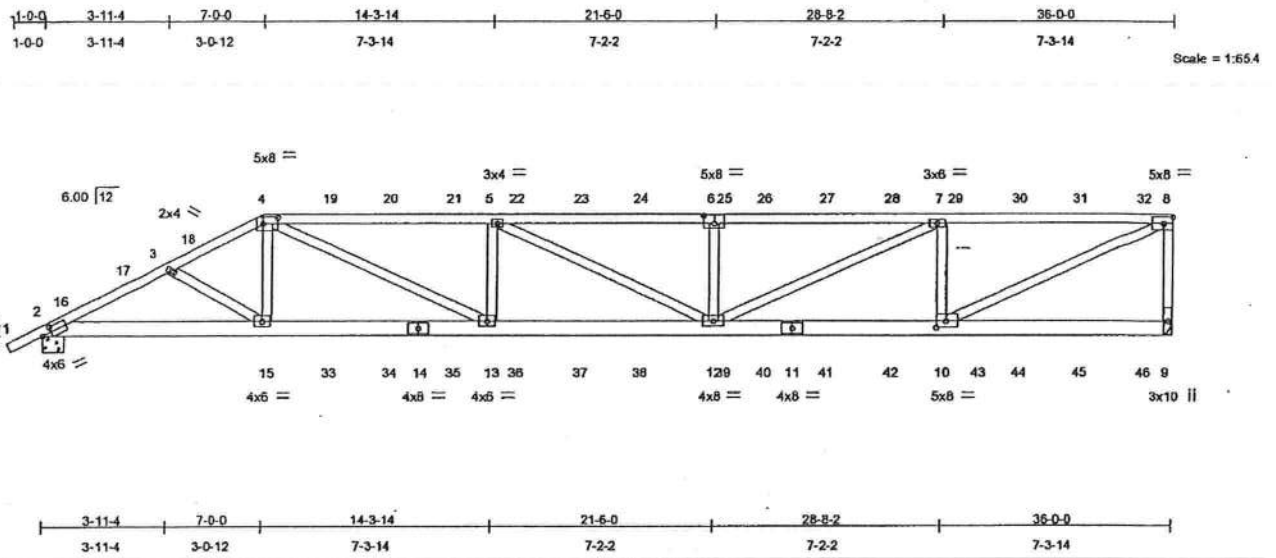


Plate Offsets (X,Y): [2:0-3-10,0-2-0], [4:0-5-8,0-2-4], [6:0-4-0,0-3-0], [10:0-3-8,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/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/TPI2002		(Matrix)							Weight: 428 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-9-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-0-0 oc bracing.

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

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/25, 2-16=-6512/3588, 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
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-7-0 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.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Refer to girder(s) for truss to truss connections.
7) 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

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

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

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)

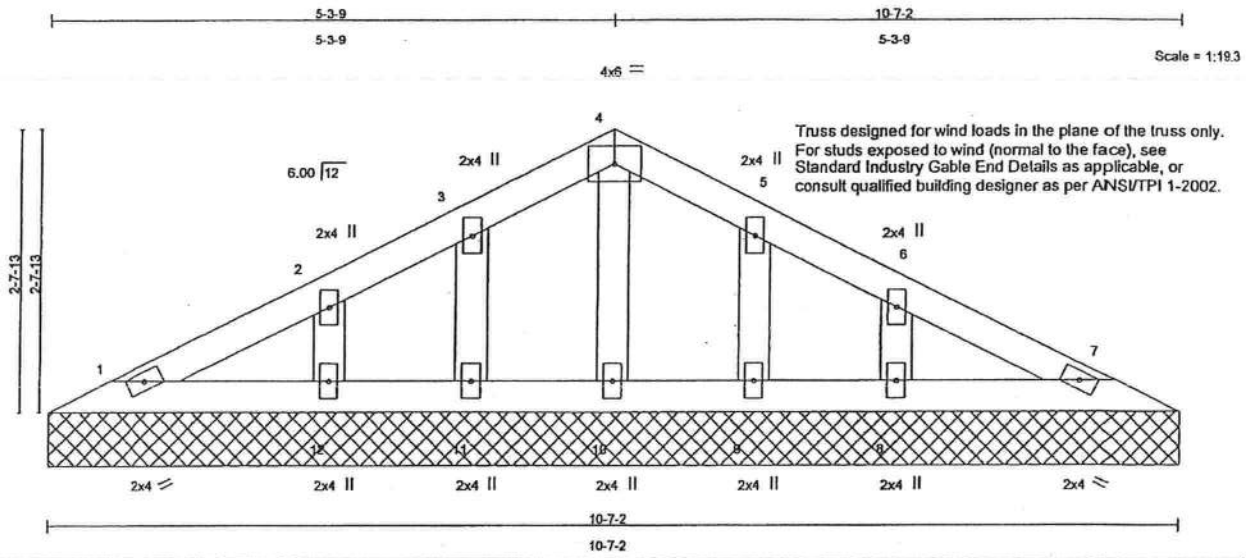
Vert: 1-4=-46, 4-8=-46, 2-9=-40

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)

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



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): [5:0-0-0,0-0-0], [6:0-0-0,0-0-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.04	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.03	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0	Rep Stress Incr	YES	WB	0.02	Horz(TL)	0.00	7	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 41 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=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 Uplift1=-23(LC 7), 7=-21(LC 7), 11=-56(LC 6), 12=-112(LC 6), 9=-55(LC 7), 8=-113(LC 7)
Max Grav1=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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November 21,2007

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

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530696
AUSTIN	S1A	SPECIAL	7	1	Job Reference (optional)	

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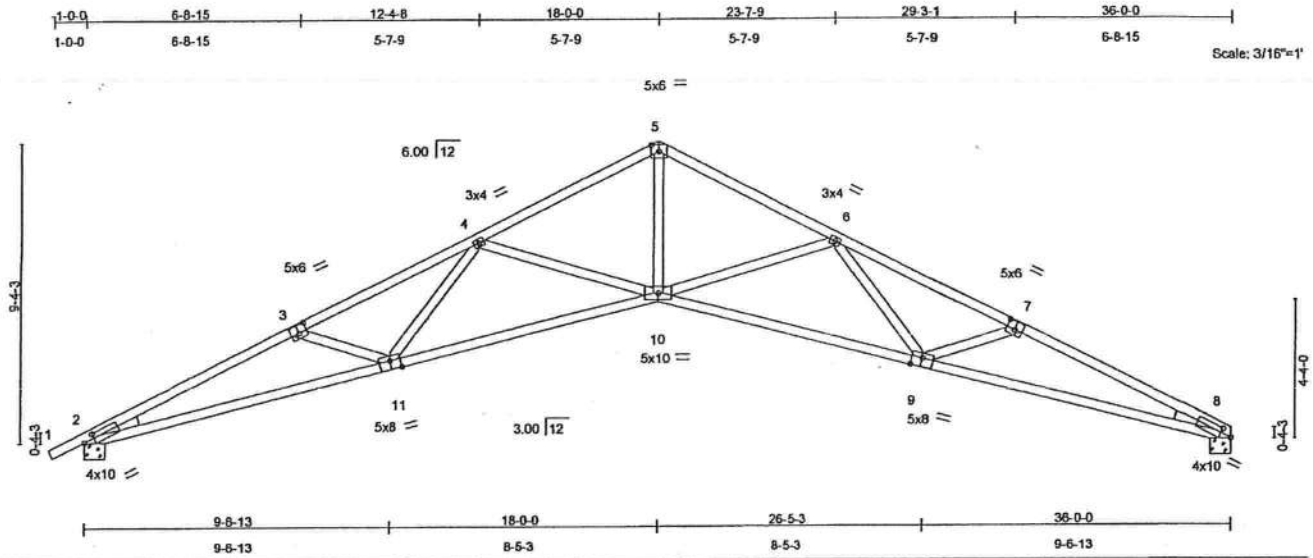

Plate Offsets (X,Y): [2:0-4-1,0-1-12], [3:0-3-0,0-3-0], [7:0-3-0,0-3-0], [8:0-4-1,0-1-12], [9:0-4-0,0-3-4], [11:0-4-0,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.74	Vert(LL)	-0.53	10-11	>797	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.82	Vert(TL)	-1.07	10-11	>395	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.49	Horz(TL)	-0.73	2	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 168 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except*
1-3 2 X 4 SYP No.1D, 7-8 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) 8=1518/0-8-0, 2=1585/0-8-0
Max Horz 8=166(LC 6)
Max Uplift8=-286(LC 7), 2=-368(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/18, 2-3=-4813/1409, 3-4=-4589/1239, 4-5=-3320/885, 5-6=-3320/885, 6-7=-4602/1269, 7-8=-4831/1449
BOT CHORD 2-11=-1145/4368, 10-11=-811/3809, 9-10=-822/3814, 8-9=-1186/4387
WEBS 3-11=-176/290, 4-11=-93/711, 4-10=-807/417, 5-10=-563/2647, 6-10=-812/428, 6-9=-118/722, 7-9=-183/306

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) 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.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 286 lb uplift at joint 8 and 368 lb uplift at joint 2.

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818 Soundside Road
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Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125 E4530697
AUSTIN	S1B	SPECIAL	5	1	Job Reference (optional)

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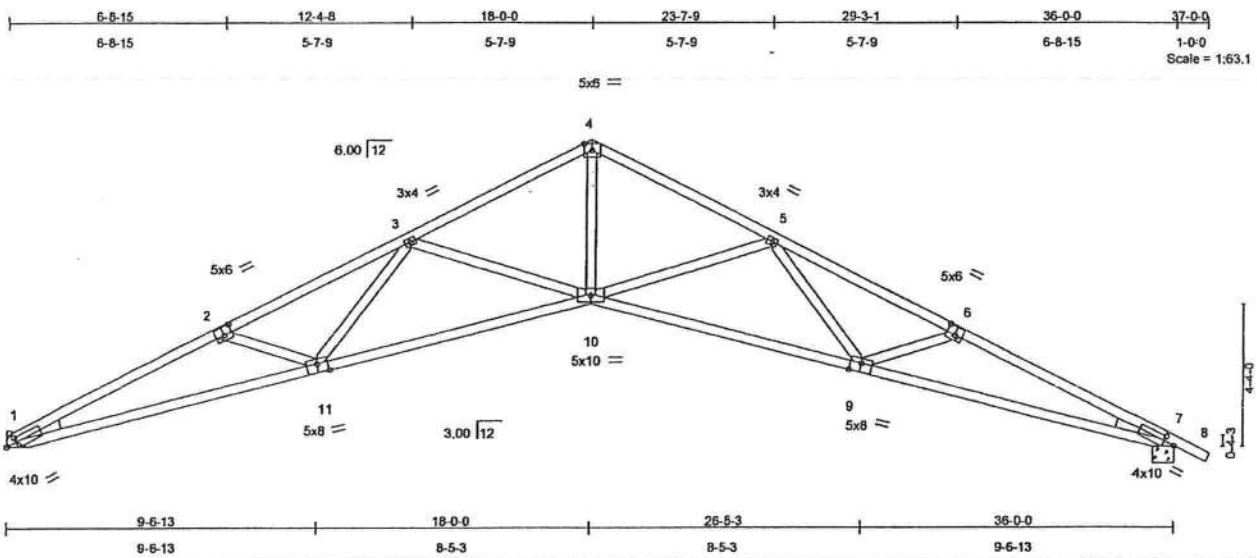

Plate Offsets (X,Y): [1:0-4-1,0-1-12], [2:0-3-0,0-3-0], [6:0-3-0,0-3-0], [7:0-4-1,0-1-12], [9:0-4-0,0-3-4], [11:0-4-0,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.74	Vert(LL)	-0.53	9-10	>797	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.82	Vert(TL)	-1.07	9-10	>395	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.49	Horz(TL)	0.73	7	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							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 Uplift1=-286(LC 6), 7=-368(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-4831/1449, 2-3=-4602/1269, 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; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) 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.

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Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530700
AUSTIN	T2	COMMON	4	1	Job Reference (optional)	

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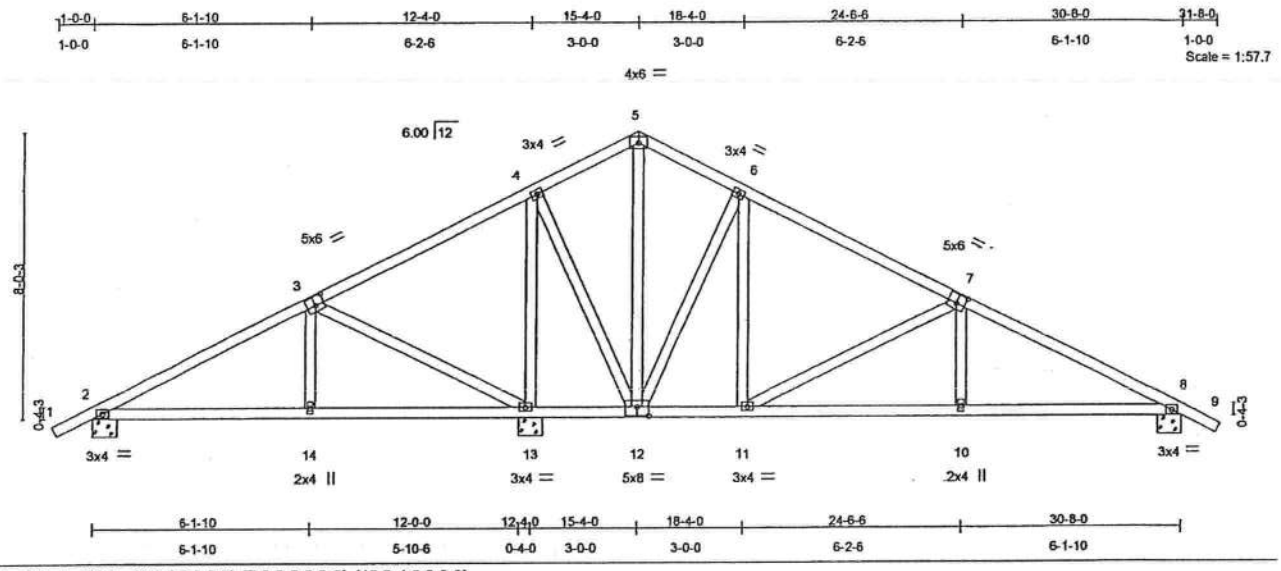

Plate Offsets (X,Y): [3:0-3-0,0-3-0], [7:0-3-0,0-3-0], [12:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.28	Vert(LL)	0.08	2-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.33	Vert(TL)	-0.10	10-11	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.67	Horz(TL)	0.02	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							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 Uplift2=-302(LC 6), 13=-556(LC 6), 8=-212(LC 7)
Max Grav2=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=-605/258, 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; 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.
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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Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530701
AUSTIN	V1	VALLEY	2	1	Job Reference (optional)	

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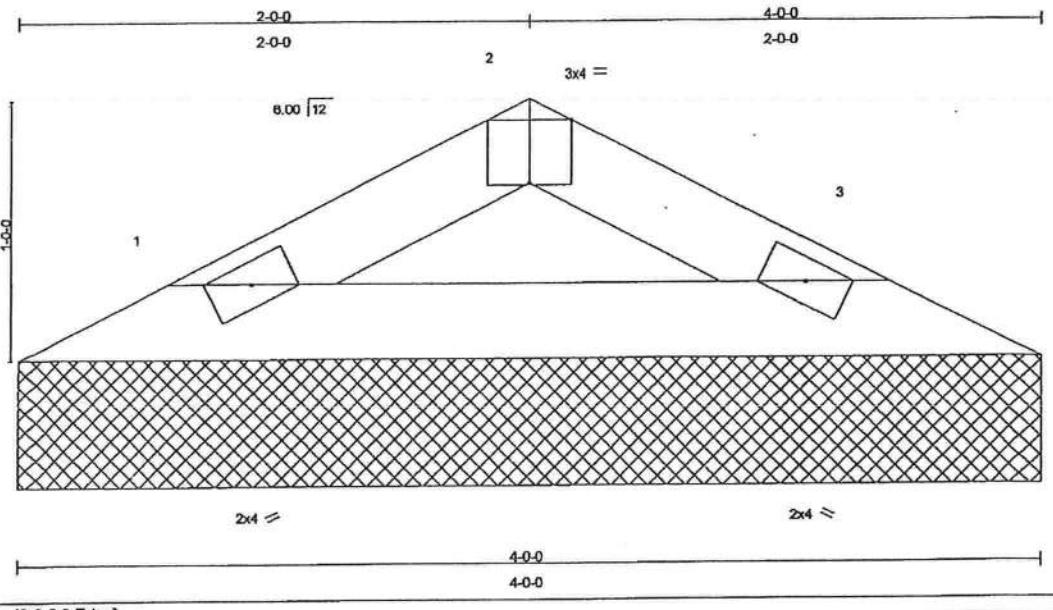

Plate Offsets (X,Y): [2:0-2-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.03	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 11 lb	

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

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

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

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

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) Gable requires continuous bottom chord bearing.
5) 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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 22 lb uplift at joint 1 and 22 lb uplift at joint 3.

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530702
AUSTIN	V10	GABLE	1	1	Job Reference (optional)	

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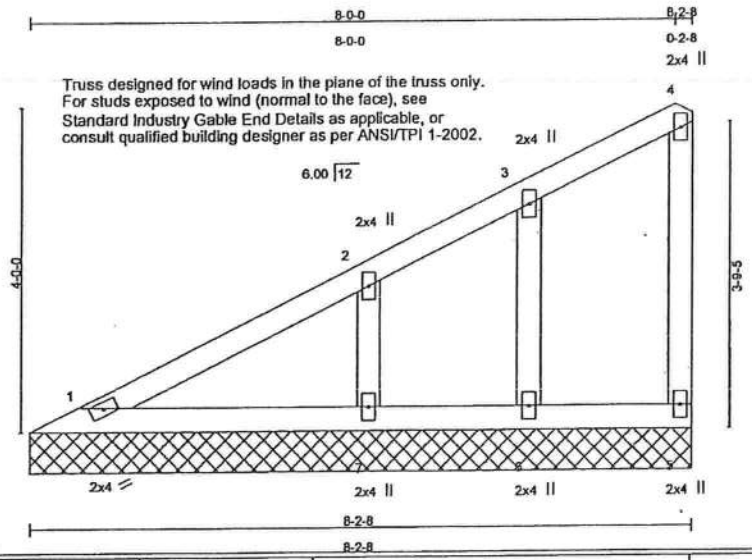

Scale = 1:25.4

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.11	Vert(LL)	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 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 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 Uplift5=-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=-167/195

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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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

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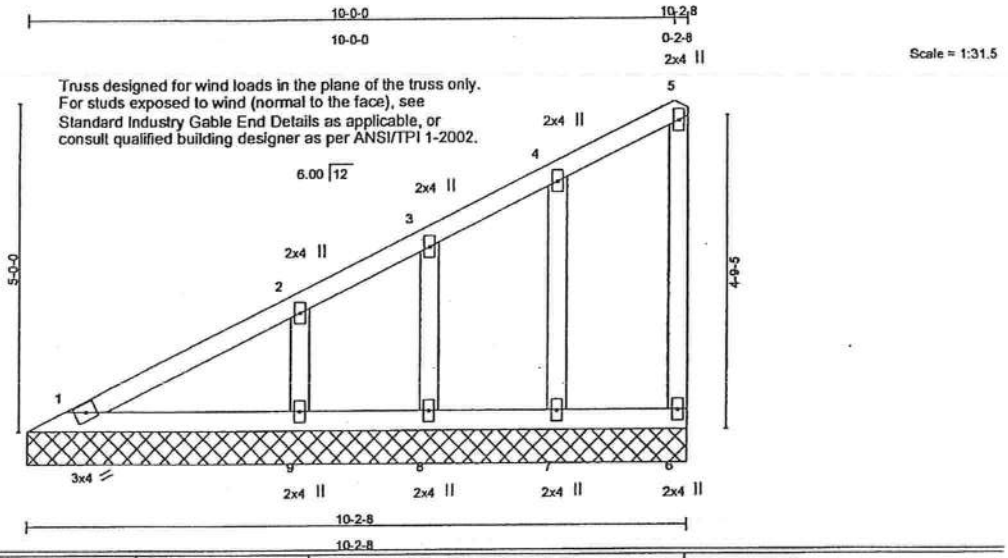

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0	Rep Stress Incr	YES	WB	0.02	Horz(TL)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(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=196(LC 6)
Max Uplift6=-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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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530704
AUSTIN	V12	GABLE	1	1	Job Reference (optional)	

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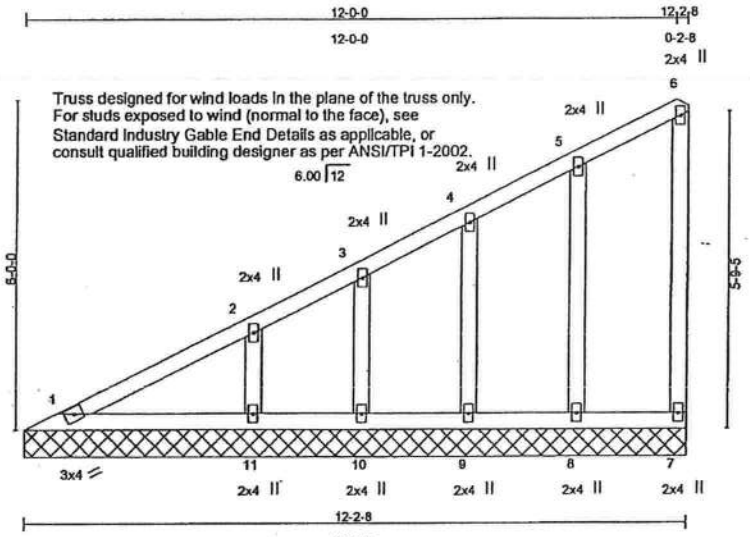

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0	Rep Stress Incr	YES	WB	0.03	Horz(TL)	0.00	7	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(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 Uplift7=-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.

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

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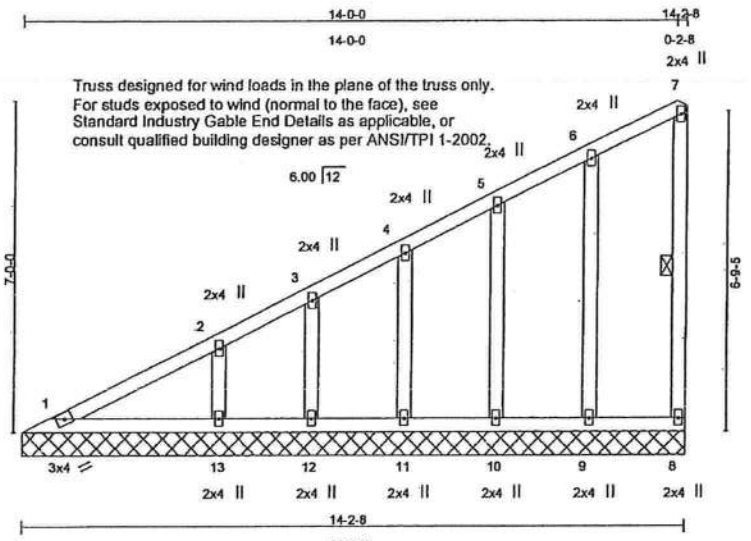

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0	Rep Stress Incr	YES	WB	0.05	Horz(TL)	-0.00	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(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 Uplift8=-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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Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530707
AUSTIN	V15	VALLEY	2	1	Job Reference (optional)	

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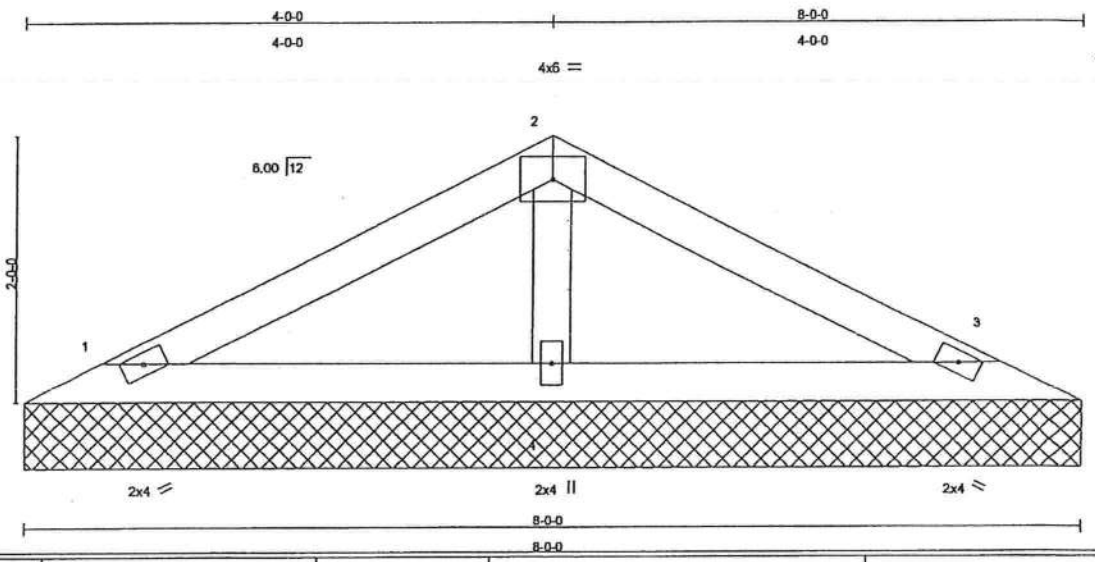

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.11	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0	Rep Stress Incr	YES	WB	0.02	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(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 Uplift1=-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
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) Gable requires continuous bottom chord bearing.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 44 lb uplift at joint 1, 49 lb uplift at joint 3 and 21 lb uplift at joint 4.

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Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530708
AUSTIN	V16	GABLE	1	1	Job Reference (optional)	

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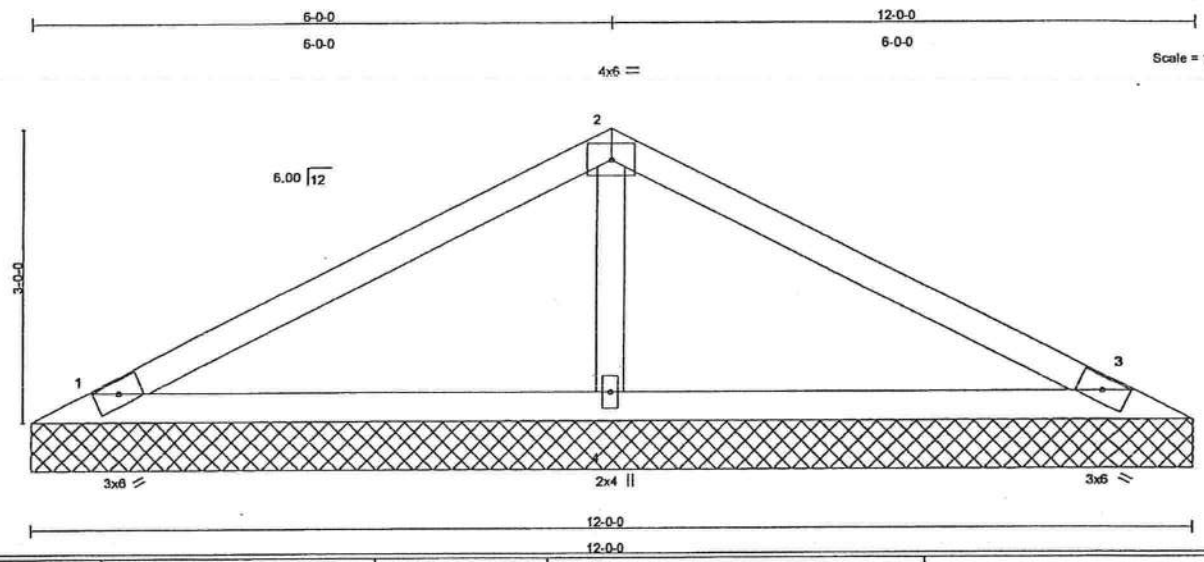

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.29	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 39 lb	

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

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

REACTIONS (lb/size) 1=191/12-0-0, 3=191/12-0-0, 4=544/12-0-0
Max Horz 1=-45(LC 4)
Max Uplift1=-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
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) Gable requires continuous bottom chord bearing.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 49 lb uplift at joint 1, 57 lb uplift at joint 3 and 77 lb uplift at joint 4.

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Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125 E4530709
AUSTIN	V17	GABLE	1	1	Job Reference (optional)

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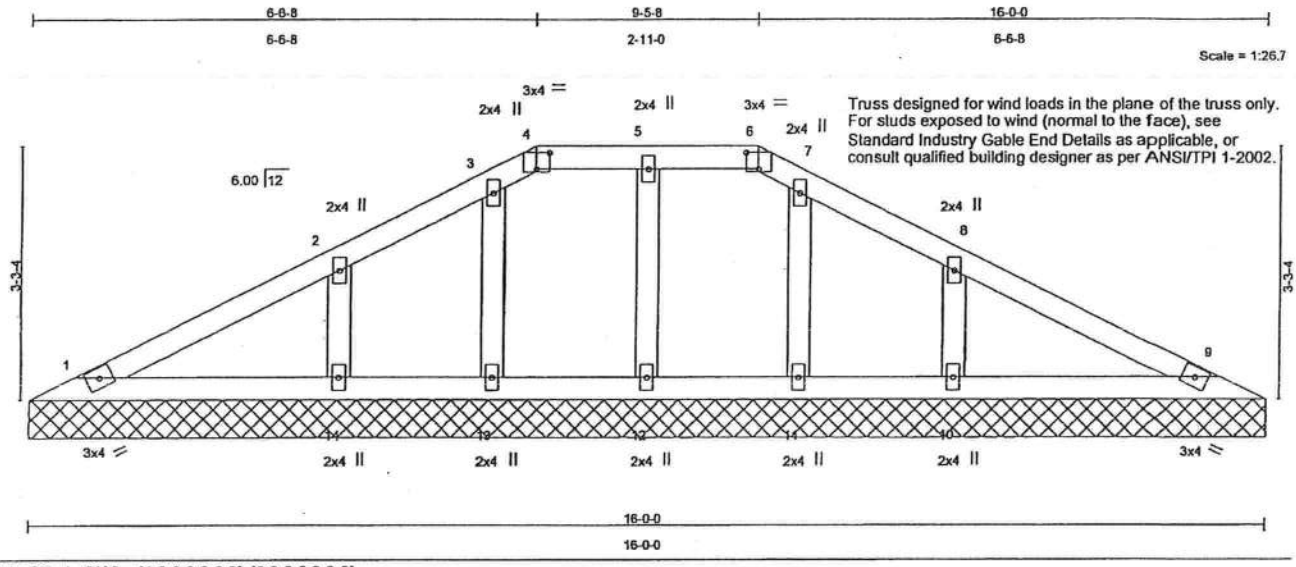

Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1-2002.

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.08	Vert(LL)	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	0.02	Horz(TL)	0.00	9	n/a	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 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 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 Uplift1=-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=-47/79, 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
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Gable requires continuous bottom chord bearing.
6) 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.

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Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125 E4530710
AUSTIN	V18	GABLE	1	1	Job Reference (optional)

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6-6-8 | 13-5-8 | 20-0-0
6-6-8 | 6-11-0 | 6-6-8

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.

Scale = 1:33.3

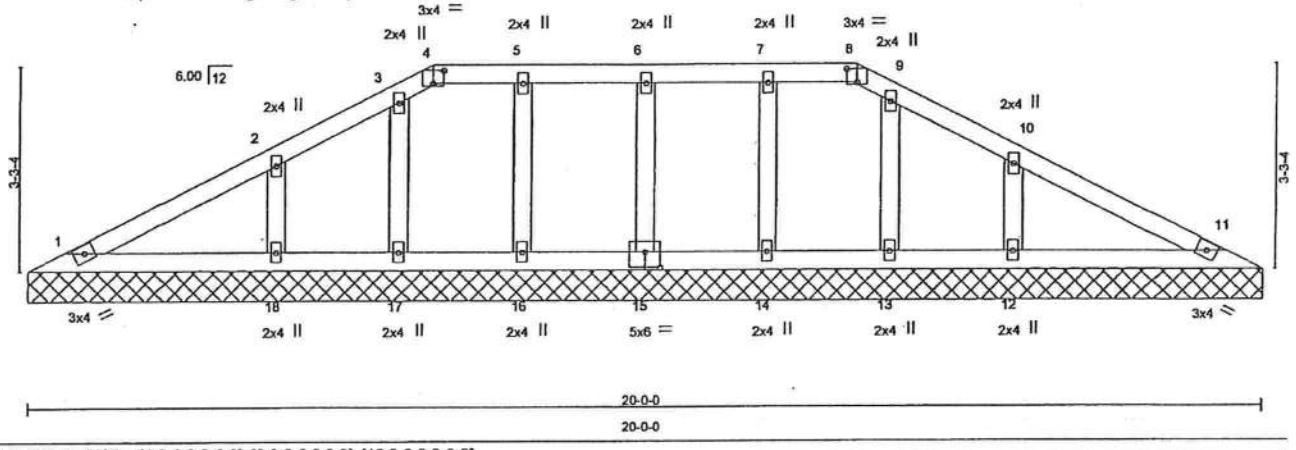

Plate Offsets (X,Y): [4:0-2-0,0-2-8], [8:0-2-0,0-2-8], [15:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0	Rep Stress Incr	YES	WB	0.02	Horz(TL)	0.00	11	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 83 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=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 Uplift1=-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 Grav1=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
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Gable requires continuous bottom chord bearing.
6) 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.

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Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530711
AUSTIN	V19	GABLE	1	1	Job Reference (optional)	

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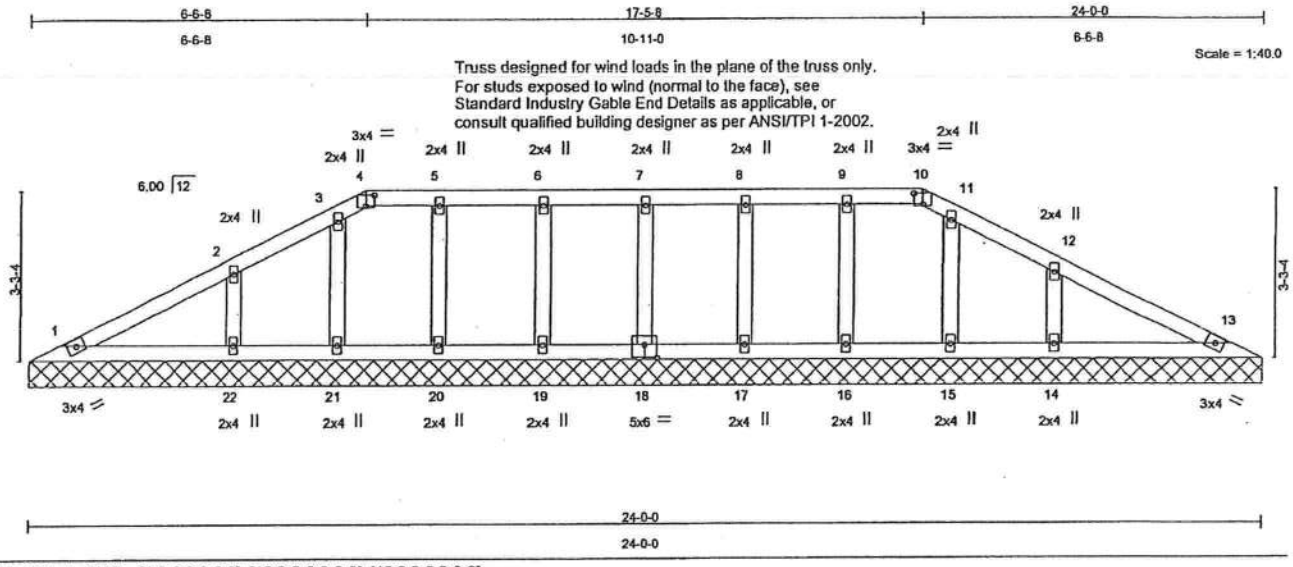

Plate Offsets (X,Y): [4:0-2-0,0-2-8], [10:0-2-0,0-2-8], [18:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0	Rep Stress Incr	YES	WB	0.02	Horz(TL)	0.00	13	n/a	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 Uplift1=-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 Grav1=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=-155/156, 8-17=-92/89, 9-16=-96/76, 11-15=-64/42, 12-14=-155/156

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Gable requires continuous bottom chord bearing.
6) 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

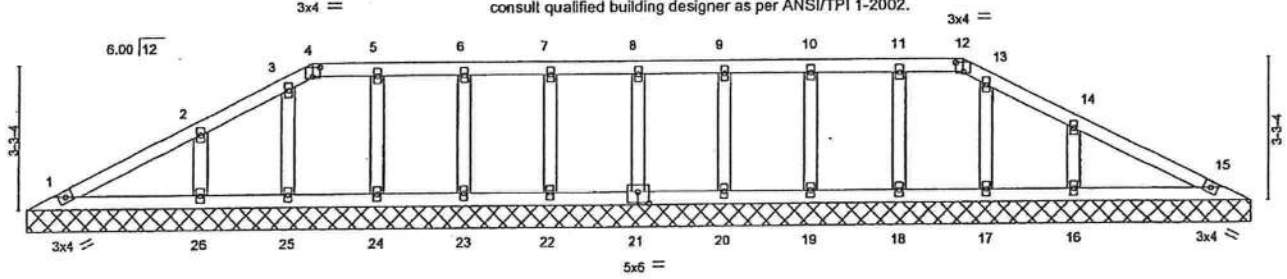
Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530713
AUSTIN	V20	GABLE	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, FL — 7.020 s Nov 9 2007 MiTek Industries, Inc. Wed Nov 21 08:44:24 2007 Page 1

6-6-8 | 21-5-8 | 28-0-0
6-6-8 | 14-11-0 | 6-6-8

Scale = 1:46.9

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.



28-0-0
28-0-0

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)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0	Rep Stress Incr	YES	WB	0.02	Horz(TL)	0.00	15	n/a	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=-92/86, 7-22=-92/86, 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
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) 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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November 21,2007

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

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

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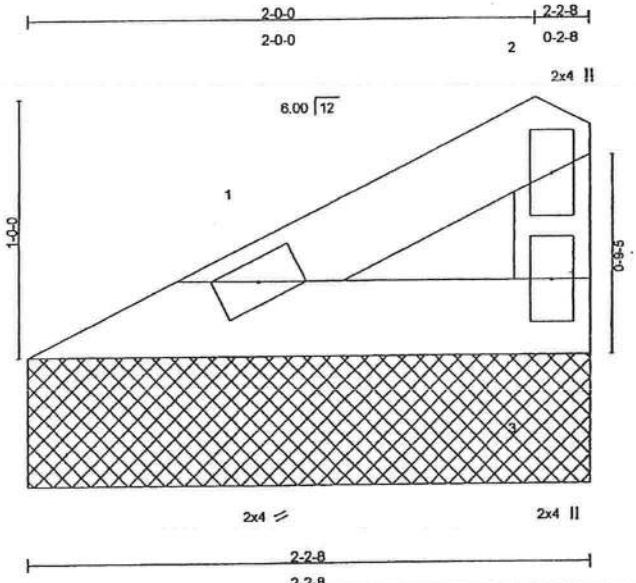

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.01	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 7 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.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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November 21,2007

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

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

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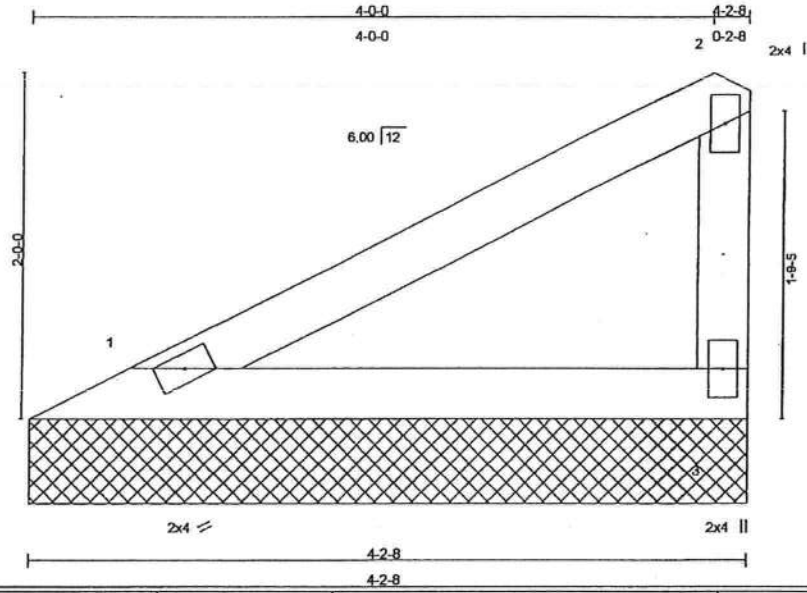

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.11	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(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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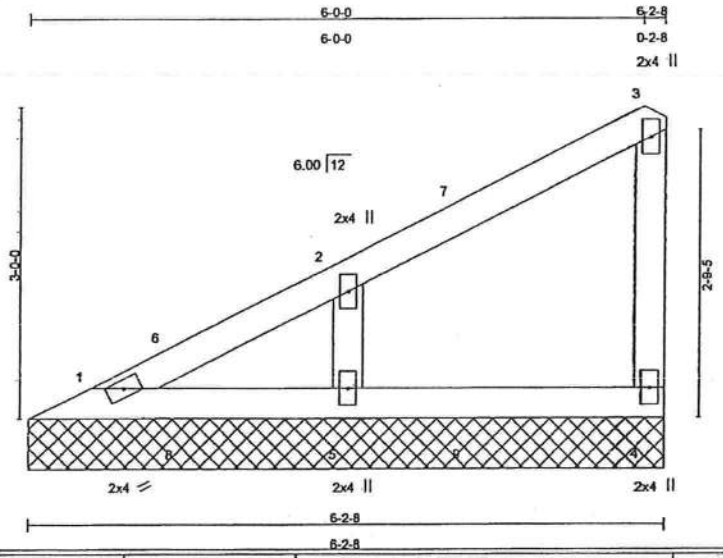
ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	AUSTIN_FL_125	E4530720
AUSTIN	V9	VALLEY	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, FL

7.020 s Nov 9 2007 MiTek Industries, Inc. Wed Nov 21 08:44:26 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	0.08	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: 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 Uplift4=-70(LC 8), 5=-167(LC 8)
Max Grav1=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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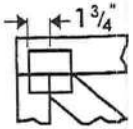
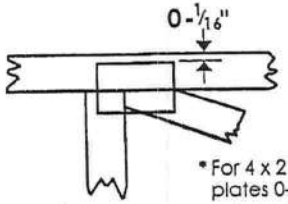
Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

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

PLATE SIZE

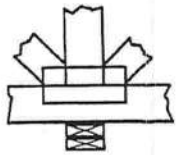
4 X 4

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

LATERAL BRACING LOCATION

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

BEARING

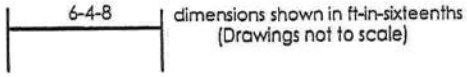


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

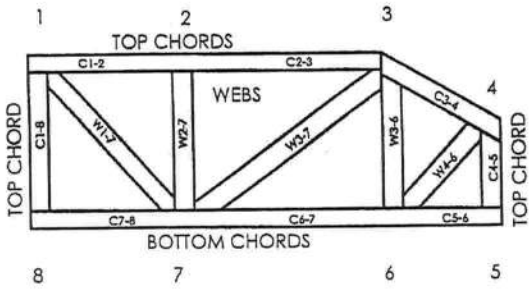
Industry Standards:

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

Numbering System



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



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

MiTek Engineering Reference Sheet: MII-7473

⚠ General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

CERTIFICATE OF

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 10-4S-16-02856-121 **Building permit No.** 000027218

Use Classification SFD/UTILITY **Fire:** 70.62

Permit Holder THEODORE BROCK **Waste:** 184.25

Owner of Building MARONDA HOMES INC. OF FLORIDA **Total:** 254.87

Location: 254 SW TIMBERRIDGE DRIVE, LAKE CITY, FL

Date: 11/14/2008

Wayne A. Rust

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

BOUNDARY SURVEY

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

LEGAL DESCRIPTION:

LOT TWENTY-ONE (21) 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.

N
W E
S

30 0 30 60 90
1" = 30'

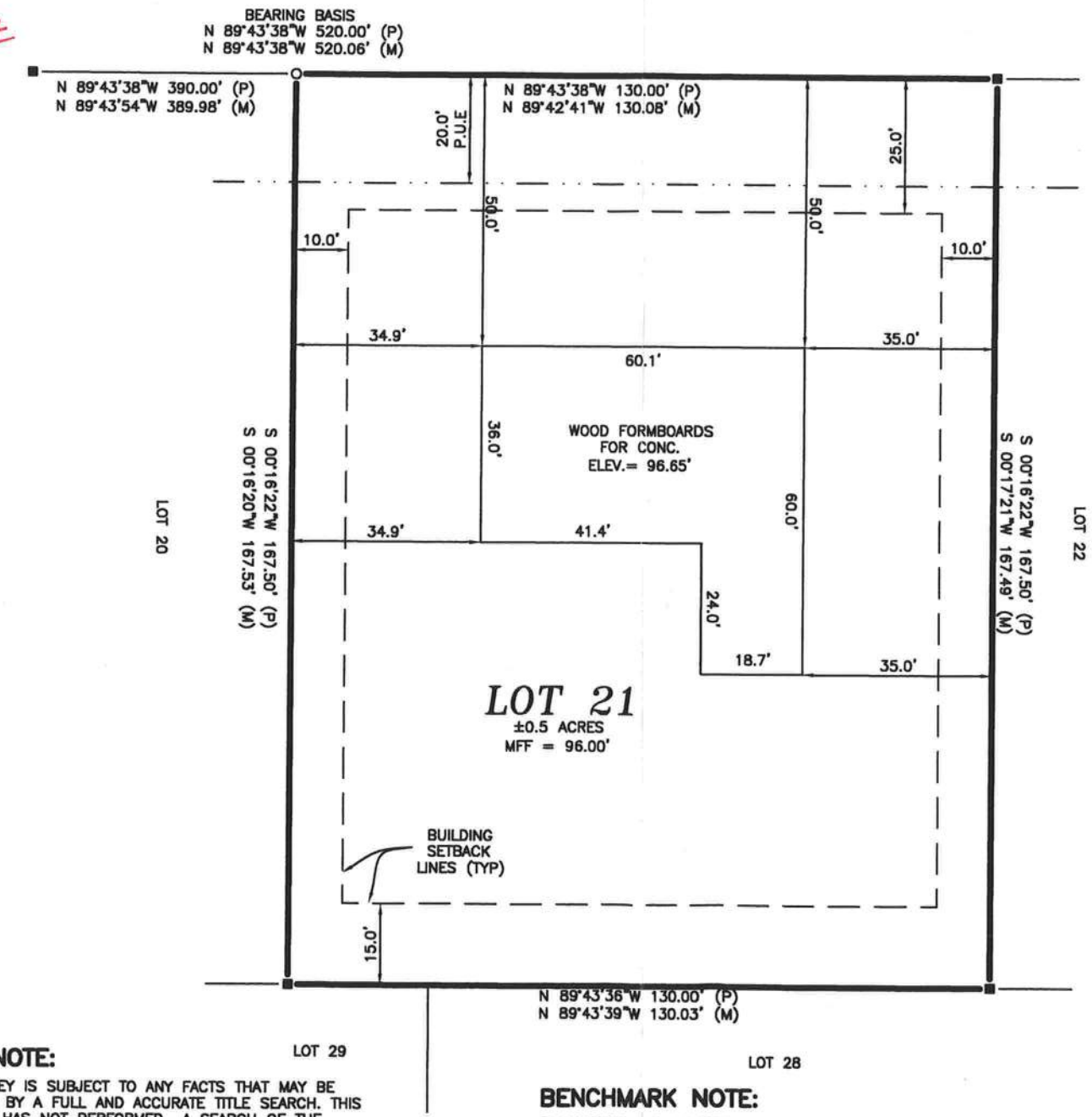
S.W. TIMBER RIDGE DRIVE

EDGE OF PAVEMENT
60' RIGHT-OF-WAY
±20' ASPHALT ROAD

CERTIFIED TO:

1) MARONDA HOMES

Permit # 27218



BUILDING SETBACK NOTE:

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

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.

SURVEYOR NOTES:

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

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.

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.

LEGEND:

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

ABBREVIATIONS:

- A/C = AIR CONDITIONER
- ASPH = ASPHALT
- C = CALCULATED FROM MEASURED
- CATV = CABLE TELEVISION
- C/B = CONCRETE BLOCK
- CLF = CHAIN LINK FENCE
- CM = CONCRETE MONUMENT
- CONC = CONCRETE
- ELEC = ELECTRIC
- ELEV = ELEVATION
- FND = FOUND
- FNC = FENCE
- LB = LICENSED SURVEYOR BUSINESS
- (M) = FIELD MEASURED
- MFF = MINIMUM FINISHED FLOOR ELEVATION
- MH = MANHOLE
- O.U. = OVERHEAD UTILITIES
- P = PLAT
- PB = PLAT BOOK
- P.U.E. = PUBLIC UTILITIES EASEMENT
- TRANS = TRANSFORMER
- TYP = TYPICAL
- WM = WATER METER
- WV = WATER VALVE

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: 8/6/08

BRINKMAN SURVEYING & MAPPING INC.
4607 NW 6th STREET SUITE C, GAINESVILLE, FL. 32609
PHONE: (352) 374-7707 FAX: (352) 374-8757

SCALE: 1" = 30'	"THE BENCHMARK IN QUALITY SERVICE"	DRAWN BY: ZL
DATE: 8/6/08		CHECKED BY: J.B.
FIELD WORK COMPLETED ON 7/31/08 FIELDBOOK 98, PAGE 24		
PREPARED FOR: MARONDA		DRAWING NUMBER 104-08

PROPOSED BUILDING LAYOUT

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

LEGAL DESCRIPTION:

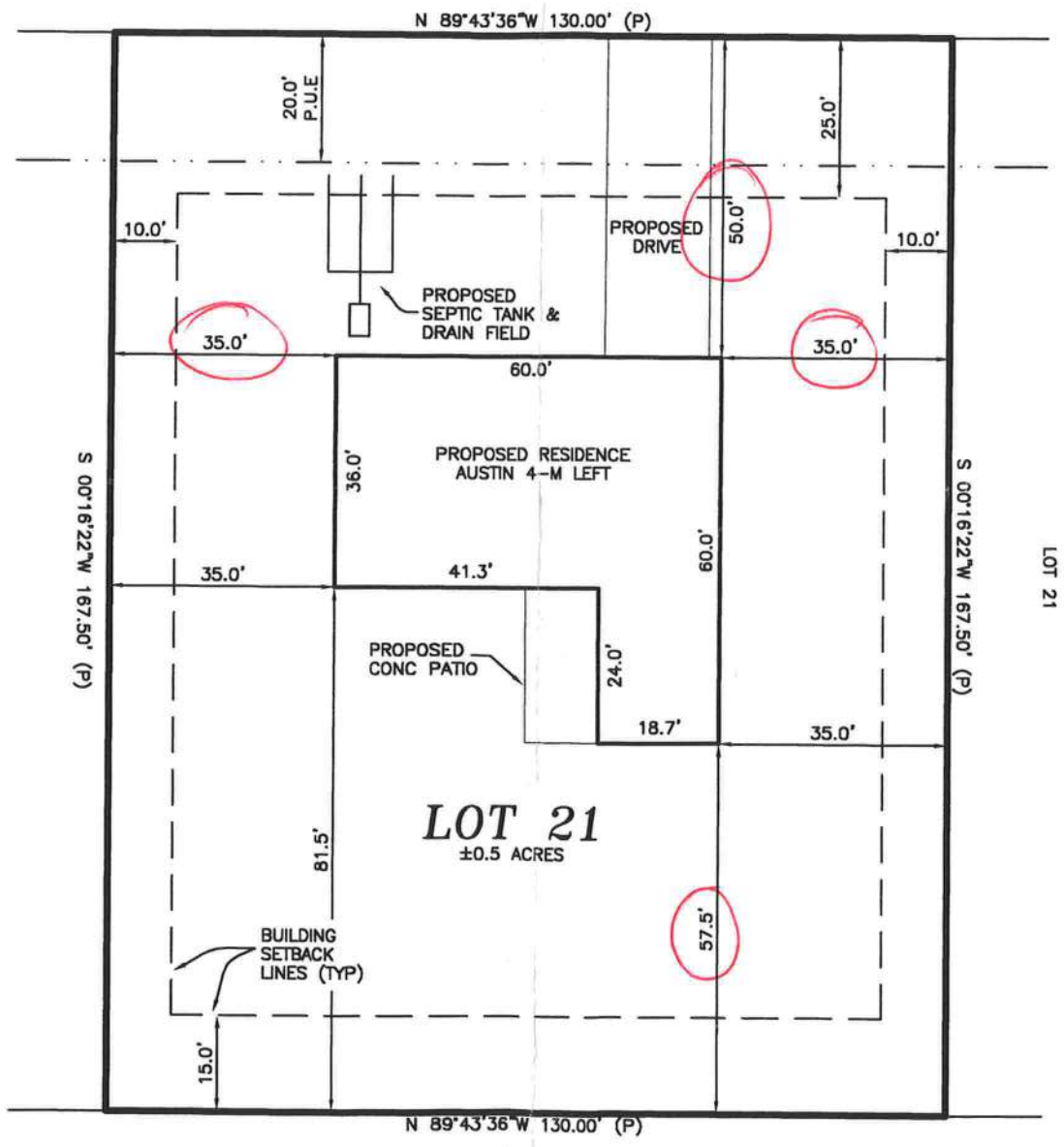
LOT TWENTY–ONE (21) OF "TIMBERLANDS" AS PER PLAT THEREOF, AS RECORDED IN PLAT BOOK '9', PAGE 27 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

N
W E
S

30 0 30 60 90
1" = 30'

S.W. TIMBER RIDGE 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'

SURVEYOR NOTES:

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

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:

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TRANS = TRANSFORMER
TYP = TYPICAL
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WV = WATER VALVE

THIS IS NOT A BOUNDARY SURVEY

CERTIFICATE OF SURVEYOR:

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BY: James E. Brinkman
JAMES E. BRINKMAN, PSM – FLA. CERT# 5582
DATE: 5/20/08

BRINKMAN SURVEYING & MAPPING INC.
4607 NW 6th STREET SUITE C, GAINESVILLE, FL. 32609
PHONE: (352) 374–7707 FAX: (352) 374–8757

SCALE: 1" = 30'	"THE BENCHMARK IN QUALITY SERVICE"	DRAWN BY: ZL
DATE: 5/19/08		CHECKED BY: J.B.
FIELD WORK COMPLETED ON **** FIELDBOOK **, PAGE **		
PREPARED FOR: MARONDA		DRAWING NUMBER 104–08

HOMETEAM PEST DEFENSE®

27218

TREATMENT WORKORDER

☐ Termite Baiting System w/Tubes-under-the slab

☐ Treat Only ☒ Tubes-under-the slab and Treat ☐ Bora-Care

DATE CALLED IN:	7/30	DATE OF SCHEDULE:	8/1
TIME CALLED IN:		TIME SCHEDULE:	10:00

JOB NAME: Miranda SUBDIVISION: Timberland

JOB ADDRESS: 254 SW Timber Ridge Dr.

BILLING NAME: BILLING PHONE:

BILLING ADDRESS:

CALLED IN BY: PHONE: PERMIT NUMBER: 000027218

LOT & MODEL NUMBER: 21

DATE & TIME COMPLETED: 8/4/08

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: 155 gal

PERCENT (%) USED: .1% STICKER POSTED: permit box

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

X [signature] X TECHNICIAN: Casey

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

GT 23 / TCI 12/05

FEES:

ROAD IMPACT FEE $1,046.00 CODE 210 UNIT 1
10100003632400

EMS IMPACT FEE $29.88
10300003632210

FIRE PROTECTION IMPACT FEE $78.63
10200003632220

CORRECTIONS IMPACT FEE $409.16
00100003632200

SCHOOL IMPACT FEE $1,500.00
00100003632900

TOTAL FEES CHARGED $3,063.67 CHECK NUMBER _____