DATE 12/24/2008

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000027543

APPLICANT ROGER BONIFANT PHONE 904 296-1490

ADDRESS 6800 SOUTHPOINT PARKWAY JACKSONVILLE FL 32216

OWNER MARONDA HOMES PHONE 904 296-1490

ADDRESS 135 SW BLACK MAPLE CT LAKE CITY FL 32024

CONTRACTOR TED BROCK PHONE 904 296-1490

LOCATION OF PROPERTY 90W, TL 247S, TR ON 252B, TL ON TIMBE RIDGE, TR ON BLACK MAPLE, 2ND LOT ON RIGHT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 154800.00

HEATED FLOOR AREA 2527.00 TOTAL AREA 3096.00 HEIGHT ___ STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH ___ FLOOR SLAB

LAND USE & ZONING RSF-2 MAX. HEIGHT ___

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

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

PARCEL ID 10-4S-16-02856-114 SUBDIVISION TIMBERLANDS

LOT 14 BLOCK ___ PHASE ___ UNIT ___ TOTAL ACRES 0.56

000001699	___	CBC1256382		
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
CULVERT	08-735	BK	WR	Y
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: MFE AT 106.5', NEED ELEVATION CONFIRMATION LETTER AT SLAB, NOC ON FILE

Check # or Cash 959521

FOR BUILDING & ZONING DEPARTMENT ONLY

Temporary Power ___ date/app. by Foundation ___ date/app. by Monolithic ___ date/app. by (footer/Slab)

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 $ 775.00 CERTIFICATION FEE $ 15.48 SURCHARGE FEE $ 15.48

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** 905.96

INSPECTORS OFFICE [signature] CLERKS OFFICE CH

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

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

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 # 0812-23 Date Received 12/12/08 By G Permit # 1699/27543
Zoning Official BLK Date 12-12-08 Flood Zone X Land Use Res. Low Dev Zoning RSF-2
FEMA Map # N/A Elevation N/A MFE 106.5' per plat River N/A Plans Examiner (illegible) Date 12/16/08
Comments Elevation Confirmation letter required at slab.
☑ NOC ☑ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel #
☐ Dev Permit # ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F W Comp. letter
IMPACT FEES: EMS $29.88 Fire $78.63 Corr $409.16 Road/Code $1,046.00/210
School $1,500.00 = TOTAL $3,063.67

Septic Permit No. 08-735 Fax 904 332-6375

Name Authorized Person Signing Permit THEODORE BROCK / ROGER BONIFANT 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 135 SW BLACK MAPLE CT, LAKE CITY FL 32024

Contractors Name THEODORE C. BROCK Phone 904 296-1490

Address 6800 SOUTHPOINT PKWY #300 JACKSONVILLE FL 32216

Fee Simple Owner Name & Address FEE SIMPLE

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address THOMAS PONCE 4005 MARONDA WAY SANFORD FL 32771

Mortgage Lenders Name & Address BANK OF AMERICA 250 SOUTH PARK AVE. #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-16-02856-114 Estimated Cost of Construction $116,100

Subdivision Name TIMBER LANDS Lot 14 Block / Unit / Phase 1

Driving Directions HWY 90, LEFT ON 247 SOUTH, RIGHT ON 252B, LEFT ON TIMBER RIDGE, TR BLACK MAPLE, 2nd lot on right.

Number of Existing Dwellings on Property Ø

Construction of RESIDENTIAL SINGLE FAMILY DWELLING Total Acreage .56 Lot Size

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

Actual Distance of Structure from Property Lines - Front 25.2 Side 25.4 Side 44.5 Rear 15.2

Number of Stories 1 Heated Floor Area 2527 Total Floor Area 3096 Roof Pitch VARIES

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.

905.96

Columbia County Building Permit Application

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

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

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

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

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 12th **day of** December **20**___.

Personally known X **or Produced Identification** _____

State of Florida Notary Signature (For the Contractor)

SEAL: GALE TEDDER
MY COMMISSION # DD 805686
EXPIRES: July 14, 2012
Bonded Thru Notary Public Underwriters

✓ S/S/6 338848133

08-1735-N

STATE OF FLORIDA
DEPARTMENT OF
ONSITE SEWAGE
APPLICATION FO

W/LOT 14 Permit Request

PERMIT NO. AP903226
DATE PAID: 11/25/08
FEE PAID: 425.00
RECEIPT #: 12-DHP-108181-2

APPLICATION FOR:

[X] New System [ ] Exist [ ] Holding Tank [ ] Innovative
[ ] Repair [ ] Abando [ ] Temporary [ ]

APPLICANT: Maronda Homes Inc of Florida

AGENT: Melissa McKague TELEPHONE: (904) 296-1490 ext

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

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

PROPERTY INFORMATION

LOT: 14 BLOCK: 1 SUBDIVISION: Timberlands PLATTED: Yes 1990

PROPERTY ID #: 10-45-16-02856-114 ZONING: SFR I/M OR EQUIVALENT: [Y / N]

PROPERY SIZE: 150 ACRES WATER SUPPLY: [ ] PRIVATE PUBLIC [X]<=2000GPD [ ]>2000GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? [Y / (N)] DISTANCE TO SEWER: Ø FT

PROPERTY ADDRESS: 135 SW BLACK MAPLE CT. LAKE CITY, FL 32024

DIRECTIONS TO PROPERTY: US 90 West, left on 247, right on CR252B, left on SW Timber Ridge Drive 14th LOT ON RIGHT

BUILDING INFORMATION [X] RESIDENTIAL [ ] COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	SFR	4	~~2527 Under Air~~ ~~3096 SF~~ TOTAL	
2				
3	12/3/08 owner Rec'd, to next ℄ site			
4				

[ ] Floor/Equipment Drains [ ] Other (Specify)

SIGNATURE: DATE: 11/21/08

STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 08-735N

PART II - SITE PLAN

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

See Attached Plot Plan

Notes:

Site Plan submitted by _____ Signature _____ Title

Plan Approved ✓ Not Approved _____ Date 12-3-08

By _____ Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

DH 4015, 10/96 (Replaces HRS-H Form 4015 which may be used)

08-735

PROPOSED BUILDING LAYOUT

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

30 0 30 60 90

1" = 30'

LEGAL DESCRIPTION:

LOT FOURTEEN (14) OF "TIMBERLANDS" AS PER PLAT THEREOF, AS RECORDED IN PLAT BOOK '9', PAGE 27 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

CERTIFIED TO:

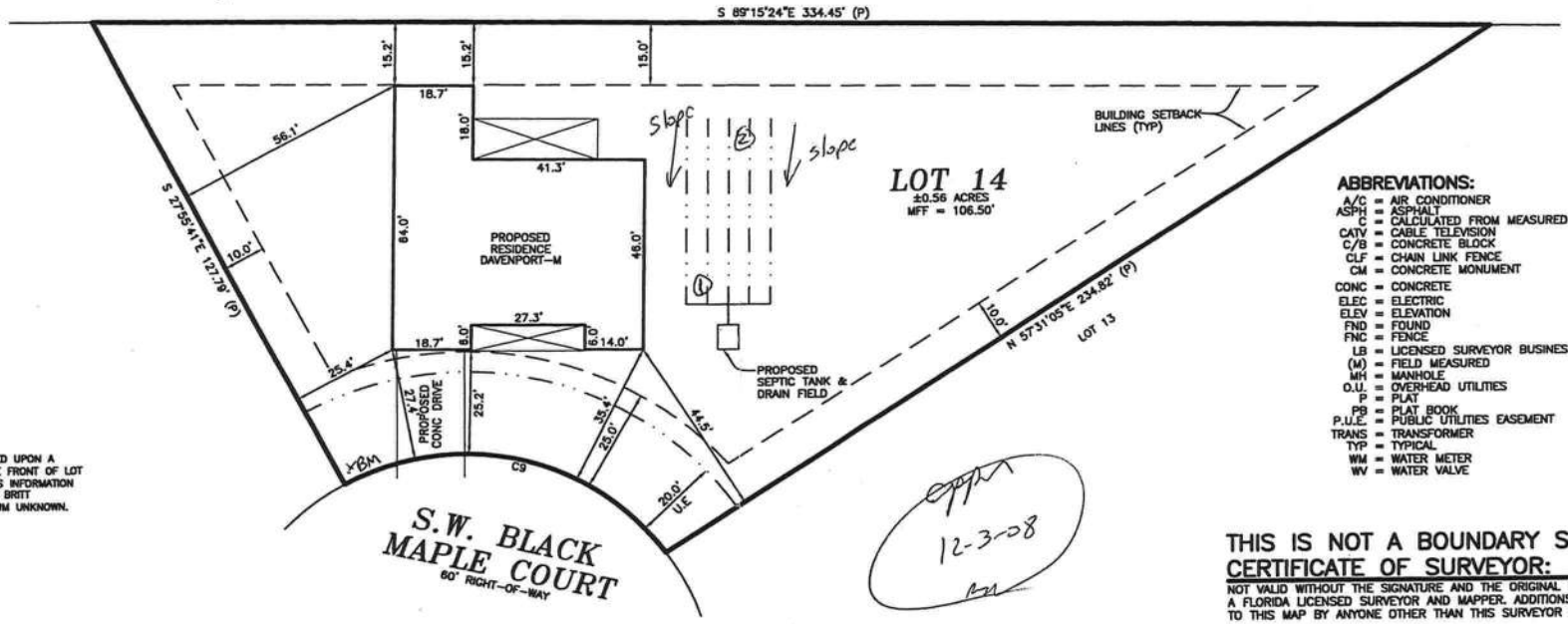
1) MARONDA HOMES

BUILDING SETBACK NOTE:

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

BENCHMARK NOTE:

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



ABBREVIATIONS:

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

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.

CURVE TABLE:

CURVE	RADIUS	TANGENT	LENGTH	DELTA	CHORD	CHORD BEARING
C9	60.00'	51.87'	85.54'	81°41'05"	78.48'	N 77°05'13" W

FLOOD NOTE:

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

TITLE NOTE:

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

12-3-08

THIS IS NOT A BOUNDARY SURVEY

CERTIFICATE OF SURVEYOR:

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

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

BY: _____
JAMES L. BRINKMAN, PSM - FLA. CERT# 5582

DATE: 11/24/08

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: 11/5/2008		CHECKED BY: J.B.
FIELD WORK COMPLETED ON **** FIELDBOOK **, PAGE **		
PREPARED FOR: MARONDA		DRAWING NUMBER 166-08

FORM 600A-2004R

EnergyGauge® 4.5

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

14/1

Project Name:	**DAVENPORT NORTH**	Builder:	**MARONDA HOMES**
Address:		Permitting Office:	Columbia
City, State:	,	Permit Number:	27543
Owner:	**ELECTRIC**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing	New	
2. Single family or multi-family	Single family	
3. Number of units, if multi-family	1	
4. Number of Bedrooms	4	
5. Is this a worst case?	Yes	
6. Conditioned floor area (ft²)	2527 ft²	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
a. U-factor: (or Single or Double DEFAULT)	Description Area 7a. (Dble Default) 237.0 ft²	
b. SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 237.0 ft²	
8. Floor types		
a. Slab-On-Grade Edge Insulation	R=0.0, 211.0(p) ft	
b. N/A		
c. N/A		
9. Wall types		
a. Concrete, Int Insul, Exterior	R=4.1, 1173.0 ft²	
b. Frame, Wood, Adjacent	R=13.0, 326.0 ft²	
c. N/A		
d. N/A		
e. N/A		
10. Ceiling types		
a. Under Attic	R=30.0, 2650.0 ft²	
b. N/A		
c. N/A		
11. Ducts		
a. Sup: Unc. Ret: Con. AH(Sealed):Interior	Sup. R=6.0, 250.0 ft	
b. N/A		

12. Cooling systems		
a. Central Unit	Cap: 47.5 kBtu/hr SEER: 13.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 47.5 kBtu/hr HSPF: 8.00	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 50.0 gallons EF: 0.90	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT,	

Glass/Floor Area: 0.09

Total as-built points: 28994

Total base points: 32964

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

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

OWNER/AGENT: Melina McGuire

DATE: Melina McGuire

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

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

BUILDING OFFICIAL: _____

DATE: _____

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , 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	2527.0	18.59	8456.0	1.Double, Clear	W	1.0	6.0	71.0	38.52	0.97	2654.0
				2.Double, Clear	S	1.0	6.0	16.0	35.87	0.94	539.0
				3.Double, Clear	E	1.0	6.0	78.0	42.06	0.97	3176.0
				4.Double, Clear	W	1.0	8.0	40.0	38.52	0.99	1524.0
				5.Double, Clear	N	1.0	6.0	32.0	19.20	0.97	598.0
				As-Built Total:				**237.0**			**8491.0**

WALL TYPES	Area X	BSPM =	Points	Type	R-Value	Area X	SPM =	Points
Adjacent	326.0	0.70	228.2	1. Concrete, Int Insul, Exterior	4.1	1173.0	1.13	1331.4
Exterior	1173.0	1.70	1994.1	2. Frame, Wood, Adjacent	13.0	326.0	0.60	195.6
Base Total:	**1499.0**		**2222.3**	**As-Built Total:**		**1499.0**		**1527.0**

DOOR TYPES	Area X	BSPM =	Points	Type	Area X	SPM =	Points
Adjacent	18.0	2.40	43.2	1.Exterior Wood	20.0	6.10	122.0
Exterior	38.0	6.10	231.8	2.Adjacent Wood	18.0	2.40	43.2
				3.Exterior Wood	18.0	6.10	109.8
Base Total:	**56.0**		**275.0**	**As-Built Total:**	**56.0**		**275.0**

CEILING TYPES	Area X	BSPM =	Points	Type	R-Value	Area X	SPM X SCM =	Points
Under Attic	2527.0	1.73	4371.7	1. Under Attic	30.0	2650.0	1.73 X 1.00	4584.5
Base Total:	**2527.0**		**4371.7**	**As-Built Total:**		**2650.0**		**4584.5**

FLOOR TYPES	Area X	BSPM =	Points	Type	R-Value	Area X	SPM =	Points
Slab	211.0(p)	-37.0	-7807.0	1. Slab-On-Grade Edge Insulation	0.0	211.0(p	-41.20	-8693.2
Raised	0.0	0.00	0.0					
Base Total:			**-7807.0**	**As-Built Total:**		**211.0**		**-8693.2**

INFILTRATION	Area X	BSPM =	Points	Area X	SPM =	Points
	2527.0	10.21	25800.7	2527.0	10.21	25800.7

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT						
Summer Base Points: 33318.7			**Summer As-Built Points:**						**31984.9**
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 47500btuh ,SEER/EFF(13.0) Ducts:Unc(S),Con(R),Int(AH),R6.0(INS)					
			31985	1.00	(1.08 x 1.147 x 0.86)	0.260	0.950	8468.3
33318.7	**0.3250**	**10828.6**	**31984.9**	**1.00**	**1.072**	**0.260**	**0.950**	**8468.3**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE

GLASS TYPES

.18 X Conditioned Floor Area	X BWPM	= Points
.18 2527.0	20.17	9175.0

WALL TYPES	Area X	BWPM =	Points
Adjacent	326.0	3.60	1173.6
Exterior	1173.0	3.70	4340.1
Base Total:	**1499.0**		**5513.7**

DOOR TYPES	Area X	BWPM =	Points
Adjacent	18.0	11.50	207.0
Exterior	38.0	12.30	467.4
Base Total:	**56.0**		**674.4**

CEILING TYPES	Area X	BWPM =	Points
Under Attic	2527.0	2.05	5180.4
Base Total:	**2527.0**		**5180.4**

FLOOR TYPES	Area X	BWPM =	Points
Slab	211.0(p)	8.9	1877.9
Raised	0.0	0.00	0.0
Base Total:			**1877.9**

INFILTRATION	Area X	BWPM =	Points
	2527.0	-0.59	-1490.9

AS-BUILT

Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF =	Points
1.Double, Clear	W	1.0	6.0	71.0	20.73	1.01	1483.0
2.Double, Clear	S	1.0	6.0	16.0	13.30	1.03	218.0
3.Double, Clear	E	1.0	6.0	78.0	18.79	1.02	1489.0
4.Double, Clear	W	1.0	8.0	40.0	20.73	1.00	831.0
5.Double, Clear	N	1.0	6.0	32.0	24.58	1.00	786.0
As-Built Total:				**237.0**			**4807.0**

Type	R-Value	Area X	WPM =	Points
1. Concrete, Int Insul, Exterior	4.1	1173.0	6.42	7530.7
2. Frame, Wood, Adjacent	13.0	326.0	3.30	1075.8
As-Built Total:		**1499.0**		**8606.5**

Type	Area X	WPM =	Points
1.Exterior Wood	20.0	12.30	246.0
2.Adjacent Wood	18.0	11.50	207.0
3.Exterior Wood	18.0	12.30	221.4
As-Built Total:	**56.0**		**674.4**

Type	R-Value	Area X	WPM X WCM =	Points
1. Under Attic	30.0	2650.0	2.05 X 1.00	5432.5
As-Built Total:		**2650.0**		**5432.5**

Type	R-Value	Area X	WPM =	Points
1. Slab-On-Grade Edge Insulation	0.0	211.0(p	18.80	3966.8
As-Built Total:		**211.0**		**3966.8**

Area X	WPM =	Points
2527.0	-0.59	-1490.9

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE				AS-BUILT							
Winter Base Points:			**20930.4**	**Winter As-Built Points:**							**21996.2**
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 47500 btuh ,EFF(8.0) Ducts:Unc(S),Con(R),Int(AH),R6.0							
				21996.2	1.000	(1.060 x 1.169 x 0.88)	0.426	0.950	9751.3		
20930.4	**0.5540**	**11595.5**		**21996.2**	**1.00**	**1.095**	**0.426**	**0.950**	**9751.3**		

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
10829	**11595**	**10540**	**32964**	**8468**	**9751**	**10774**	**28994**

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* = 86.9

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)	2527 ft²	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
a. U-factor: (or Single or Double DEFAULT)	7a. (Dble Default) 237.0 ft²	
b. SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 237.0 ft²	
8. Floor types		
a. Slab-On-Grade Edge Insulation	R=0.0, 211.0(p) ft	
b. N/A		
c. N/A		
9. Wall types		
a. Concrete, Int Insul, Exterior	R=4.1, 1173.0 ft²	
b. Frame, Wood, Adjacent	R=13.0, 326.0 ft²	
c. N/A		
d. N/A		
e. N/A		
10. Ceiling types		
a. Under Attic	R=30.0, 2650.0 ft²	
b. N/A		
c. N/A		
11. Ducts		
a. Sup: Unc. Ret: Con. AH(Sealed):Interior	Sup. R=6.0, 250.0 ft	
b. N/A		

12. Cooling systems		
a. Central Unit	Cap: 47.5 kBtu/hr	
	SEER: 13.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 47.5 kBtu/hr	
	HSPF: 8.00	
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: _____ Date: 11/25/08

Address of New Home: 135 S.W. Black Maple Ct. City/FL Zip: Lake City, FL 32024

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

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

EnergyGauge® (Version: FLRCSB v4.5)

Project Summary
Entire House
Maronda Homes

Job:
Date:
By: G. Carmack

4005 Maronda Way, Sanford, Fl 32771 Phone: 407-321-3913 Fax: 407-321-0064

Project Information

For: DAVENPORT

Notes:

Design Information

Weather: Jacksonville, Int'l AP, FL, US

Winter Design Conditions

Outside db	32	°F
Inside db	70	°F
Design TD	38	°F

Summer Design Conditions

Outside db	93	°F
Inside db	75	°F
Design TD	18	°F
Daily range	M	
Relative humidity	50	%
Moisture difference	51	gr/lb

Heating Summary

Structure	35160	Btuh
Ducts	5770	Btuh
Central vent (100 cfm)	***4175***	Btuh
Humidification	0	Btuh
Piping	0	Btuh
Equipment load	45105	Btuh

Sensible Cooling Equipment Load Sizing

Structure	20194	Btuh
Ducts	12342	Btuh
Central vent (100 cfm)	***1934***	Btuh
Blower	0	Btuh
Use manufacturer's data	n	
Rate/swing multiplier	0.98	
Equipment sensible load	33642	Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	2527	2527
Volume (ft³)	20216	20216
Air changes/hour	0.32	0.16
Equiv. AVF (cfm)	108	54

Latent Cooling Equipment Load Sizing

Structure	1879	Btuh
Ducts	2839	Btuh
Central vent (100 cfm)	3485	Btuh
Equipment latent load	8204	Btuh
Equipment total load	41846	Btuh
Req. total capacity at 0.76 SHR	3.7	ton

Heating Equipment Summary

Make	TEMPSTAR
Trade	HEAT PUMP
Model	N4H348AKB

Efficiency	8	HSPF
Heating input		
Heating output	0	Btuh @ 47°F
Temperature rise	0	°F
Actual air flow	***0***	cfm
Air flow factor	0.000	cfm/Btuh
Static pressure	0.60	in H2O
Space thermostat		

Cooling Equipment Summary

Make	TEMPSTAR
Trade	HEAT PUMP
Cond	N4H348AKB
Coil	FSU4X4800A

Efficiency	13	SEER
Sensible cooling	36100	Btuh
Latent cooling	11400	Btuh
Total cooling	47500	Btuh
Actual air flow	***1460***	cfm
Air flow factor	0.045	cfm/Btuh
Static pressure	0.60	in H2O
Load sensible heat ratio	0.81	

Bold/italic values have been manually overridden

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

Building Analysis
Entire House
Maronda Homes

Job:
Date:
By: G. Carmack

4005 Maronda Way, Sanford, Fl 32771 Phone: 407-321-3913 Fax: 407-321-0064

Project Information

For: DAVENPORT

Design Conditions

Location:
Jacksonville, Int'l AP, FL, US
Elevation: 30 ft
Latitude: 31°N

Outdoor:	**Heating**	**Cooling**
Dry bulb (°F)	32	93
Daily range (°F)	-	18 (M)
Wet bulb (°F)	-	77
Wind speed (mph)	15.0	7.5

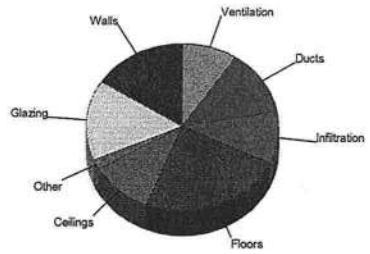
Indoor:	**Heating**	**Cooling**
Indoor temperature (°F)	70	75
Design TD (°F)	38	18
Relative humidity (%)	30	50
Moisture difference (gr/lb)	11.5	51.3

Infiltration:

Method	Simplified
Construction quality	Average
Fireplaces	0

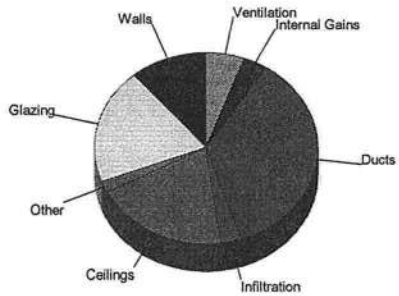
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	4.5	7210	16.0
Glazing	48.3	6998	15.5
Doors	14.8	830	1.8
Ceilings	1.9	4731	10.5
Floors	17.9	10888	24.1
Infiltration	2.5	4502	10.0
Ducts		5770	12.8
Piping		0	0.0
Humidification		0	0.0
Ventilation		4175	9.3
Adjustments		0	
Total		**45105**	**100.0**



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	2.4	3883	11.3
Glazing	46.4	6722	19.5
Doors	11.8	660	1.9
Ceilings	2.6	6686	19.4
Floors	0.0	0	0.0
Infiltration	0.6	1043	3.0
Ducts		12342	35.8
Ventilation		1934	5.6
Internal gains		1200	3.5
Blower		0	0.0
Adjustments		0	
Total		**34469**	**100.0**



Overall U-value = 0.163 Btuh/ft²-°F

Data entries checked.

Duct System Summary

Entire House

Maronda Homes

Job: DAVENPORT
Date:
By: G. Carmack

4005 Maronda Way, Sanford, Fl 32771 Phone: 407-321-3913 Fax: 407-321-0064

Project Information

For: DAVENPORT

	Heating		Cooling	
External static pressure	0.60	in H2O	0.60	in H2O
Pressure losses	0.00	in H2O	0.00	in H2O
Available static pressure	0.60	in H2O	0.60	in H2O
Supply / return available pressure	0.46 / 0.14	in H2O	0.46 / 0.14	in H2O
Lowest friction rate	***0.100***	in/100ft	***0.100***	in/100ft
Actual air flow	1460	cfm	***1460***	cfm
Total effective length (TEL)		26 ft		

Supply Branch Detail Table

Name	Design (Btuh)		Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	Rect Size (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
MASTER BDR	h	626 5	240	240	0.100	8	x0	VIFx	5.0	0.0	st1
MASTER BATH	h	294 7	75	75	0.100	6	x0	VIFx	10.0	0.0	st1
MASTER TOILET	h	111 6	25	25	0.100	4	x0	VIFx	20.0	0.0	st1
LIVING ROOM	h	310 7	155	155	0.100	7	x0	VIFx	5.0	0.0	st1
FAMILY ROOM	c	413 9	165	165	0.100	7	x0	VIFx	5.0	0.0	st1
DINING ROOM	h	434 1	125	125	0.100	6	x0	VIFx	5.0	0.0	st1
NOOK	h	265 3	125	125	0.100	6	x0	VIFx	20.0	0.0	st1
KITCHEN	c	262 7	100	100	0.100	6	x0	VIFx	10.0	0.0	st1
BDR #4	h	325 2	130	130	0.100	6	x0	VIFx	10.0	0.0	ST2
bDR #3	h	198 4	90	90	0.100	6	x0	VIFx	5.0	0.0	ST2
BATH	h	867	20	20	0.100	4	x0	VIFx	15.0	0.0	ST2
BDR #2	c	410 9	160	160	0.100	7	x0	VIFx	15.0	0.0	ST2
UTILITY	h	907	50	50	0.100	4	x0	VIFx	10.0	0.0	ST3

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
st1	Peak AVF	1010	1010	0.100	590	16	0 x 0	VinlFlx	
ST2	Peak AVF	400	400	0.100	517	10	0 x 0	VinlFlx	
ST3	Peak AVF	50	50	0.100	284	4	0 x 0	VinlFlx	

Bold/italic values have been manually overridden

Return Branch Detail Table

Name	Grill Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	RectSize (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb1	0x 0	146 0	1460	6.0	2.308	669	18	x0 0		VlFx	

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 10-45-16-02856-114

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)*: LOT 14, TIMBERLANDS
   a) Street *(job)* Address: 135 SW BLACK MAPLE CT. LAKE CITY FL 32024
2. General description of improvements: SINGLE FAMILY NEW CONSTRUCTION
3. Owner Information
   a) Name and address: MARONDA HOMES INC. OF FLORIDA 6800 SOUTHPOINT PKWY #300 JAX FL 32216
   b) Name and address of fee simple titleholder (if other than owner)
   c) Interest in property OWNER
4. Contractor Information
   a) Name and address: MARONDA HOMES INC. OF FL
   b) Telephone No.: 904 296-1490 Fax No. (Opt.) 904 332-6375
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: STERL CITY TITLE INC. 851 TRAFALGAR CT #1328 MAITLAND FL 32751
   b) Telephone No.: 407 660-4422 Fax No. (Opt.) 407 660-4208
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

Steve Hogg
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 12 day of DECEMBER, 20 08, by:

STEVE HOGG AS DIVISION MANAGER (type of authority, e.g. officer, trustee, attorney fact) for MARONDA HOMES INC. OF FLORIDA (name of party on behalf of whom instrument was executed).

Personally Known X OR Produced Identification ____ Type ____

Notary Signature Nancy P. O'Leary Notary Stamp or Seal:

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

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.

Nancy P. O'Leary

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

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

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001699

DATE 12/24/2008 PARCEL ID # 10-4S-16-02856-114

APPLICANT ROGER BONIFANT PHONE 904 296-1490

ADDRESS 6800 SOUTHPOINT PARKWAY JACKSONVILLE FL 32216

OWNER MARONDA HOMES PHONE 904 296-1490

ADDRESS 135 SW BLACK MAPLE CT LAKE CITY FL 32024

CONTRACTOR TED BROCK PHONE 904 296-1490

LOCATION OF PROPERTY 90W, TL ON 247S, TR ON 252B, TL ON TIMBER RIDGE, TR BLACK MAPLE, 2ND LOT ON RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT TIMBERLANDS 14

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

Design Check List for Screen / Vinyl Room (Page 1 of 2)

I. **Design Statement:**

These plans have been designed in accordance with the Aluminum Structures Design Manual by Lawrence E. Bennett and are in compliance with the 2004 Florida Building Code Edition with 2006 Supplements, Chapter 20, ASM35 and The 2005 Aluminum Design Manual Part I-A & II-A; Exposure 'B' [✓] or 'C' [ ] or 'D' [ ]; Importance Factor 0.87 for 100 MPH and 0.77 for 110 MPH and higher; 120 MPH or ____ MPH for 3 second wind gust velocity load; Basic Wind Pressure ____; Design Pressures for Screen / Vinyl Rooms can be found on page 3A-ii:

a. "B" exposure = 13.0 PSF for Roofs & 15.0 PSF for Walls
b. "C" exposure = ____ PSF for Roofs & ____ PSF for Walls
c. "D" exposure = ____ PSF for Roofs & ____ PSF for Walls

Negative I.P.C. 0.18

For "C" or "D" exposure design loads, multiply "B" exposure loads by factors in table 3A-C on page 3iii.

14/1

II. **Host Structure Adequacy Statement:**

I have inspected and verify that the host structure is in good repair and attachments made to the structure will be solid.

Peter Wojtas — Phone: 407-322-8122

Contractor / Authorized Rep* Name (please print)

Peter Wojtas — Date 12/11/08

Contractor / Authorized Rep* Signature

135 SW Black Maple Ct. Lake City, FL 32024

Job Name & Address

Note: Projection of room from host structure shall not exceed 16'.

	Yes	No
III. Building Permit Application Package contains the following:		
A. Project name & address on plans	✓	
B. Site plan or survey with enclosure location	✓	
C. Contractor's / Designer's name, address, phone number, & signature on plans	✓	
D. Site exposure form completed	✓	
E. Proposed project layout drawing @ 1/8" or 1/10" scale with the following:	✓	
1. Plan view with host structure area of attachment, enclosure length, and projection from host structure	✓	
2. Front and side elevation views with all dimensions & heights	✓	
3. Beam span, spacing, & size (Select beam size from appropriate 3A.1 series tables)	✓	
4. Upright height, spacing, & size (Select uprights from appropriate 3A.2 series tables) (Check Table 3A.3 for minimum upright size)	✓	
5. Chair rail or girts size, length, & spacing (Select chair rails from appropriate 3A.2 series tables)		✓
6. Knee braces length, location, & size (Check Table 3A.3 for knee brace size)		✓
IV. Highlight details from Aluminum Structures Design Manual:	Yes	No
A. Beam & purlin tables w/ sizes, thickness, spacing, & spans / lengths. Indicate	✓	✓

Section 3A tables used: 3A.1.1-120

Beam allowable span conversions from 120 MPH wind zone, "B" Exposure to ____ MPH wind zone and/or "C" or "D" Exposure for load width ____:

Look up span on 120-MPH table and apply the following formula:

Span / Height @ 120 MPH ____ (b or d) x ____ (b or d) x ____ (b or d) = ____ Required Span @ ____ MPH

Wind Zone Multiplier ** ____ Exposure Multiplier ** ____

* Must have attended Engineer's Continuing Education Class within the past two years.

** Appropriate multiplier from page 3A-ii and page 3A-iii.

Design Check List for Screen / Vinyl Room (Page 2 of 2)

B. Upright tables w/ sizes, thickness, spacing, & heights ..... ☑ ☐
(Tables 3A.2.1, 3A.2.2, or 3A.2.3)

Upright or wall member allowable height / span conversions from 120 MPH wind zone, 'B' Exposure to _____MPH wind zone and/or 'C' Exposure for load width_____:

Look up span on 120 MPH table and apply the following formula:

Span / Height @ 120 MPH — Required Span @ ____MPH

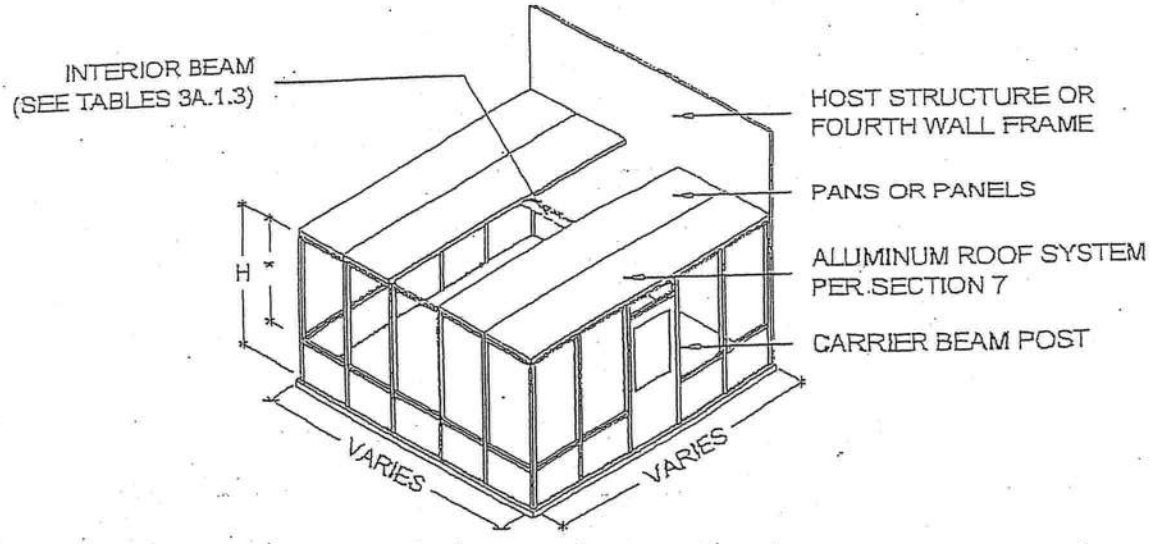
0.00 (b or d) x 1.00 (b or d) x 1.00 (b or d) = _____

Wind Zone Multiplier ** _____ _____ Exposure Multiplier **

	Yes	No
C. Table 3A.3 with beam & upright combination if applicable	☑	☐
D. Connection details to be used such as:		
1. Beam to upright	☑	☐
2. Beam to wall	☑	☐
3. Beam to beam	☐	☑
4. Chair rail, purlins, & knee braces to beams & uprights	☐	☑
5. Extruded gutter connection	☐	☑
6. U-clip, angles and/or sole plate to deck	☐	☑
E. Foundation detail type & size	☑	☐

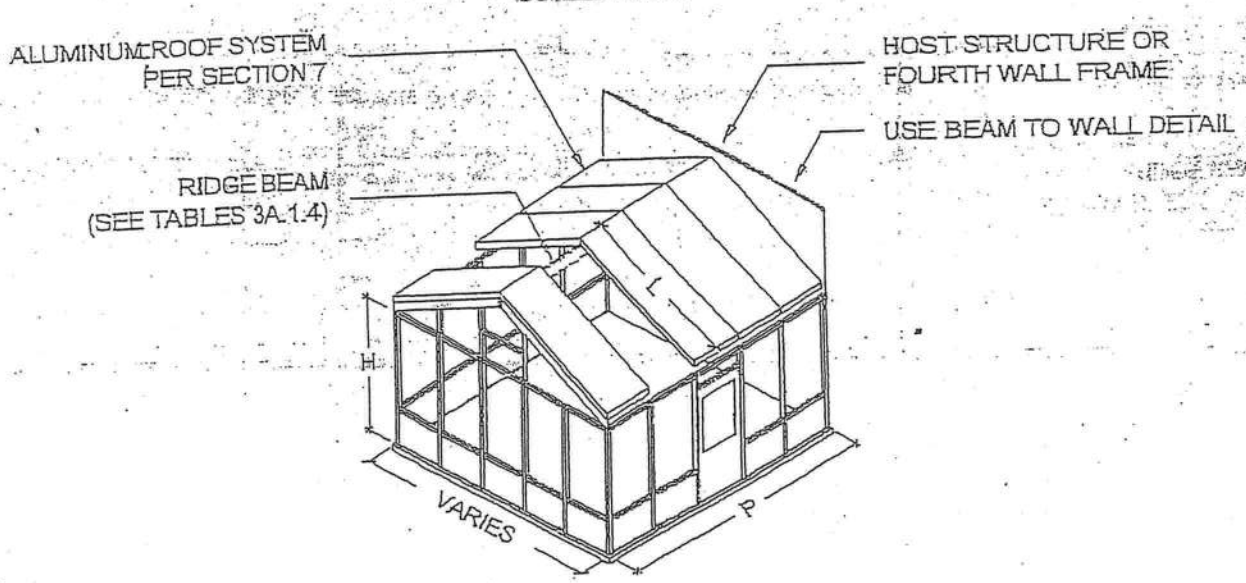
Notes:

** Appropriate multiplier from page 3A-ii and 3A-iii.



TYPICAL SLOPED SOLID ROOF ENCLOSURE

SCALE: N.T.S.



TYPICAL GABLE SOLID ROOF ENCLOSURE

SCALE: N.T.S.

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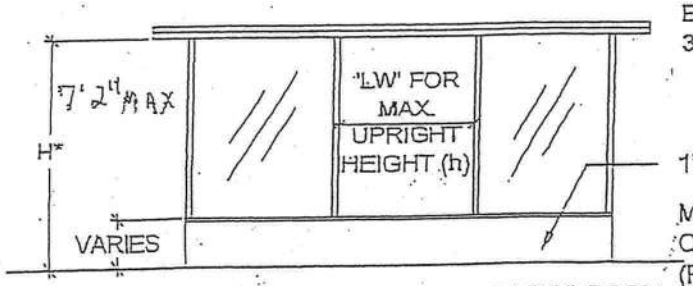
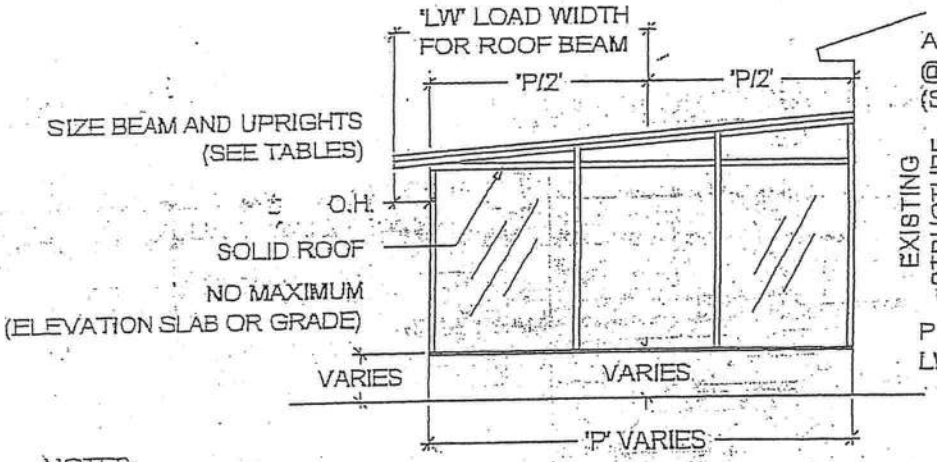


EDGE BEAM (SEE TABLES 3A.1.1 & 3A.1.2)

1" x 2"

MIN. 3-1/2" SLAB ON GRADE OR RAISED FOOTING (FOR FOOTINGS SEE DETAILS PAGE 3A-37)

TYPICAL SCREEN, ACRYLIC OR VINYL ROOM W/ SOLID ROOF TYP. FRONT VIEW FRAMING
* (HEIGHT OF UPRIGHT IS MEASURED FROM TOP OF 1" x 2" PLATE TO BOTTOM OF WALL BEAM)



ALTERNATE CONNECTION @ FASCIA ALLOWED (SEE SECTION 7 FOR DETAILS)

P = PROJECTION FROM BLDG.
LW = LOAD WIDTH

NOTES:

1. ANCHOR 1" x 2" OPEN BACK EXTRUSION W/ 1/4" x 2-1/4" CONCRETE FASTENER MAX. OF 2'-0" O.C. AND W/ IN 6" EACH SIDE OF UPRIGHT. ANCHOR 1" x 2" TO WOOD WALL W/ #10 x 2-1/2" S.M.S. W/ WASHERS OR #10 x 2-1/2" WASHER HEADED SCREW 2'-0" O.C.. ANCHOR BEAM AND COLUMN INTERNALLY OR W/ ANCHOR CLIPS AND (2) #8 SCREWS W/ WASHERS @ EACH POINT OF CONNECTION.
2. SELECT FRONT WALL BEAM FROM TABLE USING LARGER LOAD WIDTH VALUE OF P/2 OR P/2 + O.H.
3. SELECT SCREEN ROOM FORTH WALL BEAM FROM TABLES 3A.1.3
4. ANCHORS BASED ON 123 MPH WIND VELOCITY. FOR HIGHER WIND ZONES USE THE FOLLOWING CONVERSION:

100 -123	130	140	150
#8	#10	#12	#12

TYPICAL SCREEN ROOM
SCALE: 3/16" = 1'-0"

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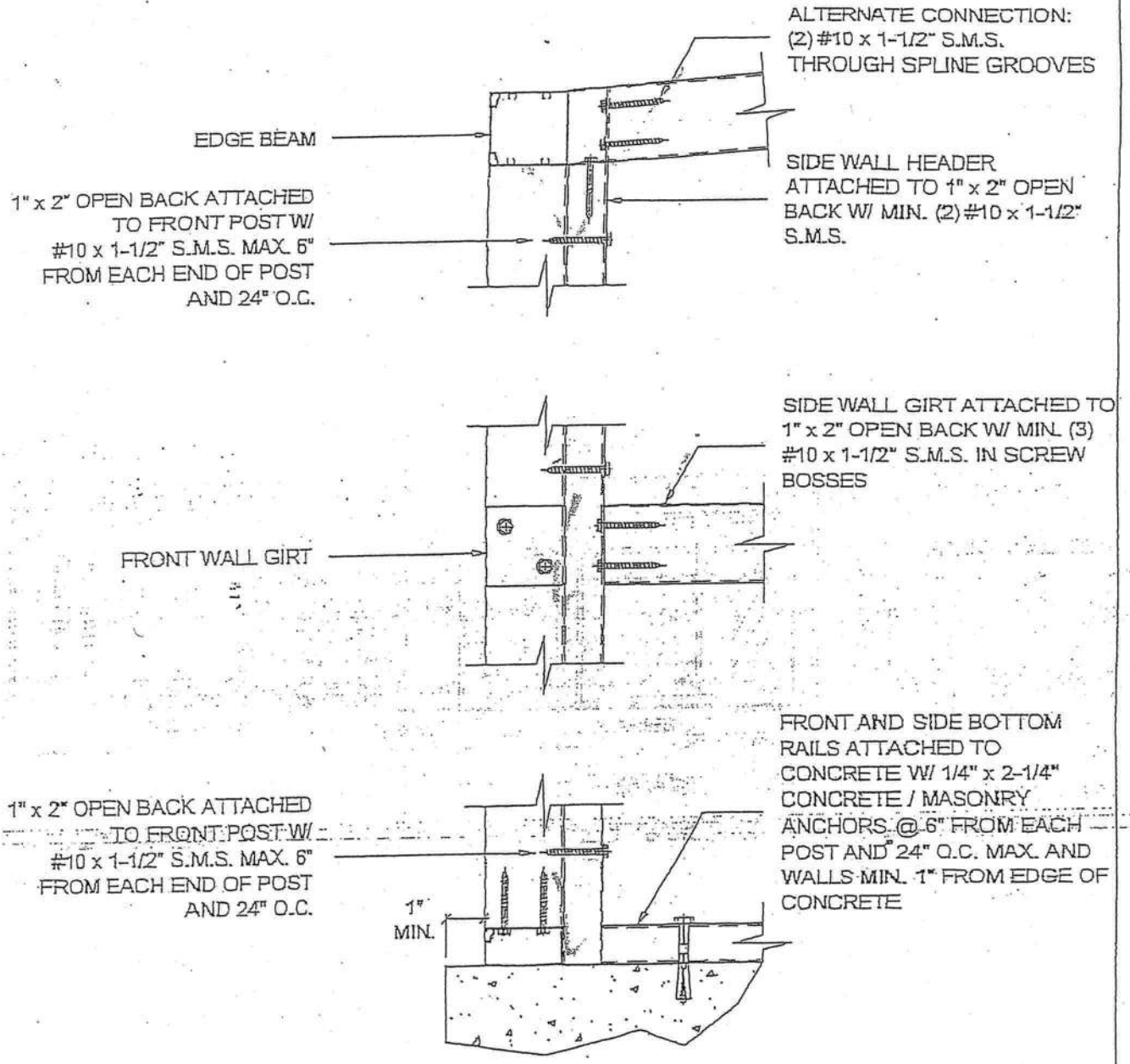

TYPICAL & ALTERNATE CORNER DETAIL

SCALE: 3" = 1'-0"

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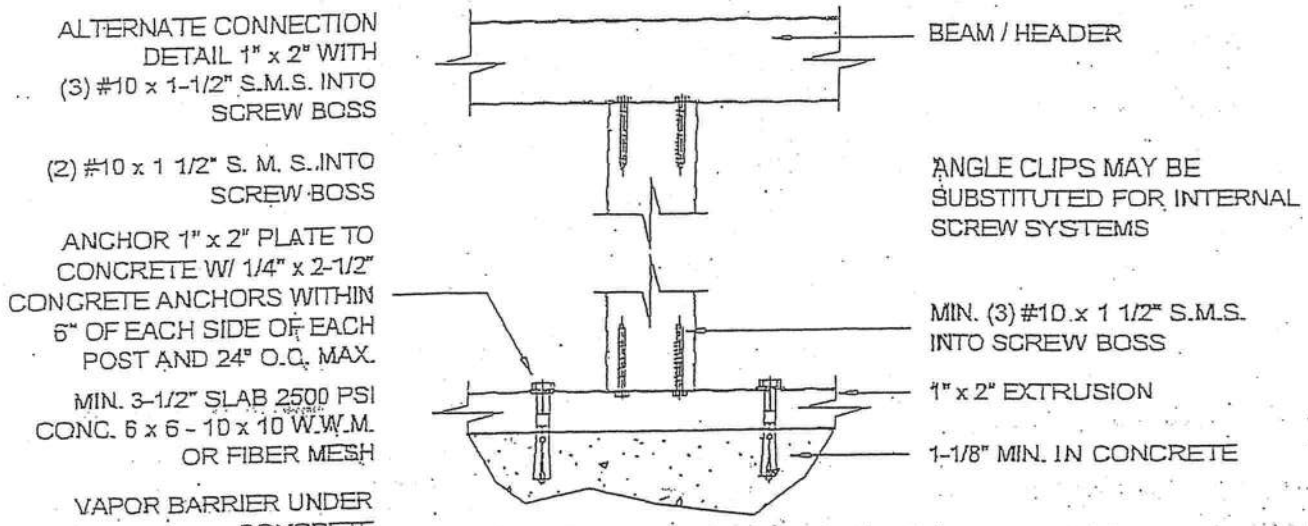
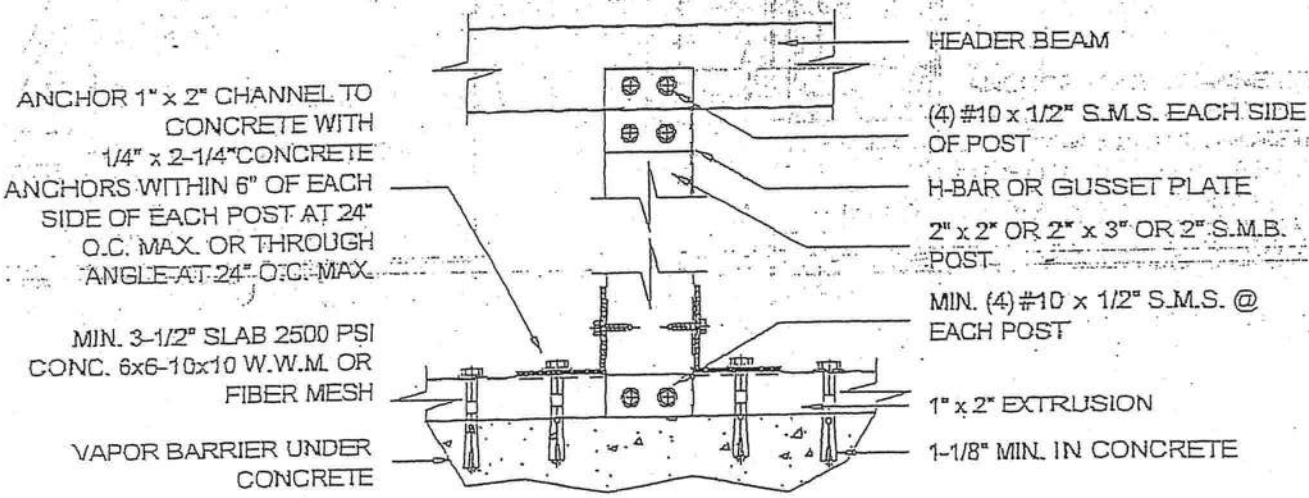


ALTERNATE HOLLOW UPRIGHT TO BASE AND HOLLOW UPRIGHT TO BEAM DETAIL

SCALE: 3" = 1'-0"



ALTERNATE PATIO SECTION TO UPRIGHT AND PATIO SECTION TO BEAM DETAIL

SCALE: 3" = 1'-0"

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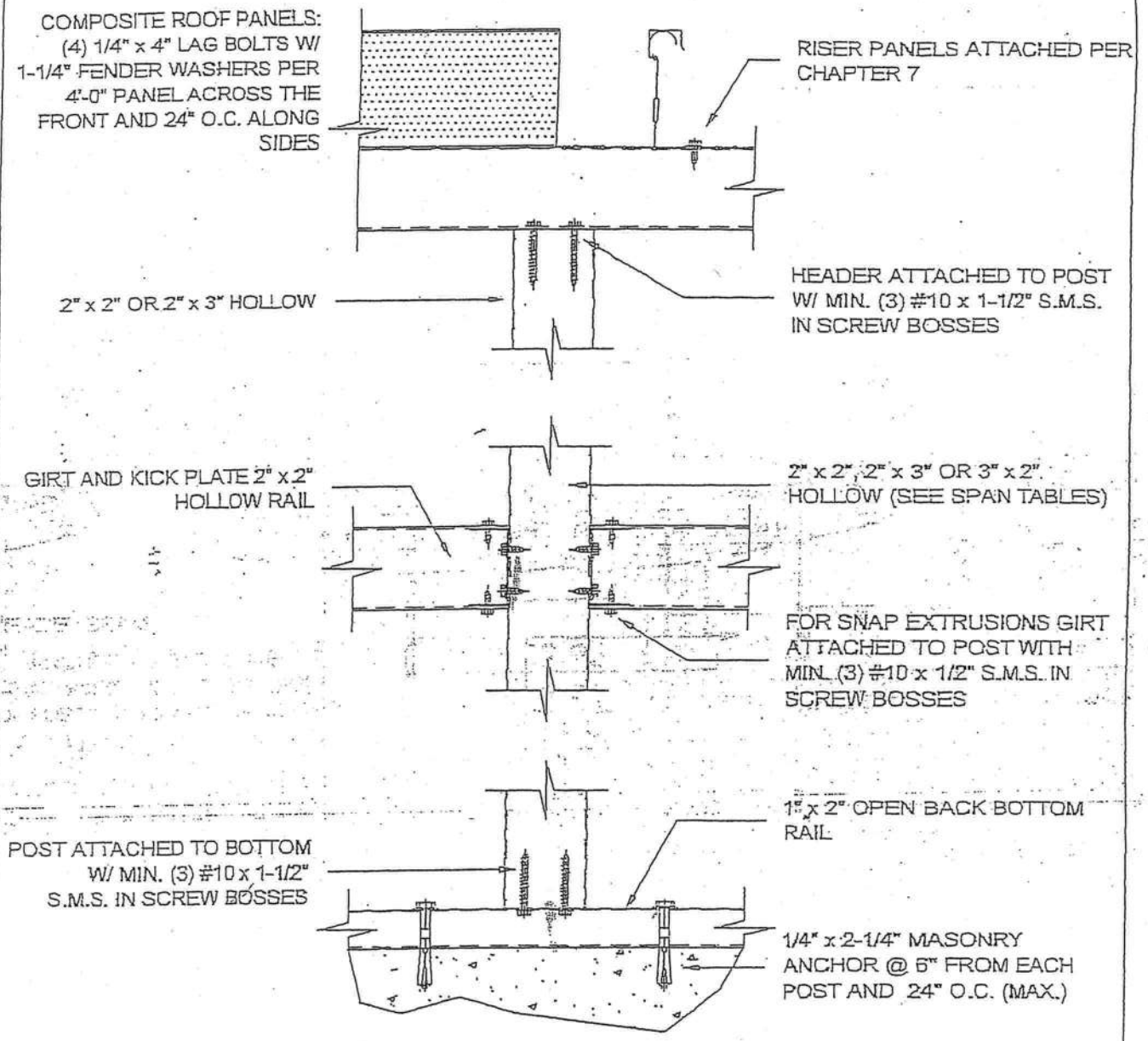

TYPICAL UPRIGHT DETAIL

SCALE: 3" = 1'-0"

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Table 3A.1.1-120 Allowable Edge Beam Spans - Hollow Extrusions For Screen or Vinyl Rooms

For 3 second wind gust at 120 MPH velocity; using design load of 13 #/SF (43 #/SF for Max. Cantilever)

Aluminum Alloy 6063 T-6

2" x 2" x 0.044"

Load Width (ft.)	Max. Span 'L' / (bending 'b' or deflection 'd')			
	1 & 2 Span	3 Span	4 Span	Max. Cantilever
5	5'-1" d	6'-3" d	6'-4" d	1'-0" d
6	4'-9" d	5'-10" d	5'-11" b	0'-11" d
7	4'-6" d	5'-7" d	5'-6" b	0'-11" d
8	4'-4" d	5'-4" b	5'-1" b	0'-10" d
9	4'-2" d	5'-11" b	4'-10" b	0'-10" d
10	4'-0" d	4'-9" b	4'-7" b	0'-10" d
11	3'-11" d	4'-6" b	4'-4" b	0'-9" d
12	3'-9" d	4'-4" b	4'-2" b	0'-9" d

3" x 2" x 0.045"

Load Width (ft.)	Max. Span 'L' / (bending 'b' or deflection 'd')			
	1 & 2 Span	3 Span	4 Span	Max. Cantilever
5	5'-8" d	7'-1" d	7'-2" d	1'-2" d
6	5'-4" d	6'-8" d	6'-9" d	1'-1" d
7	5'-1" d	6'-4" d	6'-5" d	1'-0" d
8	4'-11" d	6'-0" d	6'-2" b	0'-11" d
9	4'-8" d	5'-10" d	5'-9" b	0'-11" d
10	4'-6" d	5'-7" d	5'-6" b	0'-11" d
11	4'-5" d	5'-5" b	5'-3" b	0'-10" d
12	4'-3" d	5'-2" b	5'-0" b	0'-10" d

2" x 3" x 0.045"

Load Width (ft.)	Max. Span 'L' / (bending 'b' or deflection 'd')			
	1 & 2 Span	3 Span	4 Span	Max. Cantilever
5	7'-1" d	8'-9" d	8'-9" b	1'-5" d
6	6'-8" d	8'-3" d	7'-11" b	1'-4" d
7	6'-4" d	7'-8" b	7'-5" b	1'-3" d
8	6'-1" d	7'-2" b	6'-11" b	1'-2" d
9	5'-10" d	6'-9" b	6'-6" b	1'-2" d
10	5'-7" d	6'-5" b	6'-2" b	1'-1" d
11	5'-5" d	6'-1" b	5'-11" b	1'-1" d
12	5'-3" b	5'-10" b	5'-8" b	1'-1" d

2" x 2" x 0.055"

Load Width (ft.)	Max. Span 'L' / (bending 'b' or deflection 'd')			
	1 & 2 Span	3 Span	4 Span	Max. Cantilever
5	5'-4" d	6'-7" d	6'-9" d	1'-1" d
6	5'-0" d	6'-3" d	6'-4" d	1'-0" d
7	4'-9" d	5'-11" d	5'-11" b	0'-11" d
8	4'-7" d	5'-8" d	5'-7" b	0'-11" d
9	4'-5" d	5'-5" d	5'-3" b	0'-10" d
10	4'-3" d	5'-2" b	5'-0" b	0'-10" d
11	4'-1" d	4'-11" b	4'-9" b	0'-10" d
12	3'-11" d	4'-9" b	4'-7" b	0'-10" d

3" x 2" x 0.070"

Load Width (ft.)	Max. Span 'L' / (bending 'b' or deflection 'd')			
	1 & 2 Span	3 Span	4 Span	Max. Cantilever
5	6'-5" d	7'-11" d	8'-1" d	1'-3" d
6	6'-0" d	7'-5" d	7'-7" d	1'-2" d
7	5'-9" d	7'-1" d	7'-3" d	1'-2" d
8	5'-6" d	6'-9" d	6'-11" d	1'-1" d
9	5'-3" d	6'-6" d	6'-8" d	1'-1" d
10	5'-1" d	6'-3" d	6'-5" d	1'-0" d
11	4'-11" d	6'-1" d	6'-3" d	0'-11" d
12	4'-9" d	5'-11" d	5'-11" b	0'-11" d

2" x 4" x 0.050"

Load Width (ft.)	Max. Span 'L' / (bending 'b' or deflection 'd')			
	1 & 2 Span	3 Span	4 Span	Max. Cantilever
5	9'-2" d	11'-4" d	11'-2" b	1'-10" d
6	8'-8" d	10'-7" b	10'-3" b	1'-9" d
7	8'-2" d	9'-9" b	9'-5" b	1'-8" d
8	7'-10" d	9'-2" b	8'-10" b	1'-7" d
9	7'-6" d	8'-8" b	8'-4" b	1'-6" d
10	7'-3" d	8'-2" b	7'-11" b	1'-5" d
11	6'-11" b	7'-10" b	7'-7" b	1'-5" d
12	6'-8" b	7'-6" b	7'-3" b	1'-4" d

Notes:

1. Above spans do not include length of knee brace. Add horizontal distance from upright to center of brace to beam connection to the above spans for total beam spans.
2. Spans may be interpolated.

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ble 3A.2.1 Allowable Upright Heights, Chair Rail Spans or Header Spans for Screen, Acrylic or Vinyl Rooms

Aluminum Alloy 6063 T-5

or 3 second wind gust at 110 MPH velocity; using design load of 11 #/SF

Sections		Tributary Load Width 'W' = Purlin Spacing									
		3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"
		Allowable Height 'H' / bending 'b' or deflection 'd'									
" x 2" x 0.044"	Hollow	9'-5" b	8'-9" b	8'-2" b	7'-8" b	7'-4" b	6'-11" b	6'-8" b	6'-5" b	6'-2" b	5'-11" b
" x 2" x 0.055"	Hollow	10'-3" b	9'-6" b	8'-11" b	8'-5" b	7'-11" b	7'-7" b	7'-3" b	6'-11" b	6'-9" b	6'-6" b
" x 2" x 0.045"	Hollow	11'-3" b	10'-5" b	9'-9" b	9'-3" b	8'-9" b	8'-4" b	7'-11" b	7'-8" b	7'-5" b	7'-2" b
" x 2" x 0.070"	Hollow	12'-9" d	12'-2" d	11'-7" d	10'-11" b	10'-5" b	9'-11" b	9'-6" b	9'-2" b	8'-10" b	8'-6" b
" x 3" x 0.045"	Hollow	12'-9" b	11'-9" b	11'-0" b	10'-5" b	9'-10" b	9'-5" b	8'-11" b	8'-8" b	8'-4" b	8'-1" b
" x 4" x 0.050"	Hollow	16'-3" b	15'-1" b	14'-1" b	13'-3" b	12'-7" b	12'-0" b	11'-6" b	11'-0" b	10'-8" b	10'-3" b
" x 4" x 0.046"	S.M.B.	19'-1" b	17'-8" b	16'-6" b	15'-7" b	14'-9" b	14'-1" b	13'-6" b	12'-11" b	12'-6" b	12'-1" b
" x 5" x 0.050"	S.M.B.	23'-7" b	21'-10" b	20'-5" b	19'-3" b	18'-3" b	17'-5" b	16'-8" b	16'-0" b	15'-5" b	14'-11" b
" x 6" x 0.050"	S.M.B.	26'-1" b	24'-2" b	22'-7" b	21'-3" b	20'-2" b	19'-3" b	18'-5" b	17'-9" b	17'-1" b	16'-6" b
" x 2" x 0.044"	Snap	11'-3" b	10'-5" b	9'-9" b	9'-2" b	8'-8" b	8'-3" b	7'-11" b	7'-7" b	7'-4" b	7'-1" b
" x 3" x 0.045"	Snap	14'-4" b	13'-4" b	12'-5" b	11'-9" b	11'-2" b	10'-7" b	10'-2" b	9'-9" b	9'-5" b	9'-1" b
" x 4" x 0.045"	Snap	17'-7" b	16'-3" b	15'-3" b	14'-4" b	13'-7" b	12'-11" b	12'-5" b	11'-11" b	11'-6" b	11'-1" b

or 3 second wind gust at 120 MPH velocity; using design load of 13 #/SF

Sections		Tributary Load Width 'W' = Purlin Spacing									
		3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"
		Allowable Height 'H' / bending 'b' or deflection 'd'									
2" x 2" x 0.044"	Hollow	8'-8" b	8'-0" b	7'-6" b	7'-1" b	6'-8" b	6'-5" b	6'-1" b	5'-11" b	5'-8" b	5'-6" b
2" x 2" x 0.055"	Hollow	9'-5" b	8'-9" b	8'-2" b	7'-9" b	7'-4" b	6'-11" b	6'-8" b	6'-5" b	6'-2" b	5'-11" b
3" x 2" x 0.045"	Hollow	10'-5" b	9'-7" b	8'-11" b	8'-6" b	8'-0" b	7'-8" b	7'-4" b	7'-1" b	6'-10" b	6'-7" b
3" x 2" x 0.070"	Hollow	12'-1" d	11'-5" b	10'-8" b	10'-1" b	9'-7" b	9'-2" b	8'-9" b	8'-5" b	8'-1" b	7'-10" b
2" x 3" x 0.045"	Hollow	12'-10" b	11'-11" b	11'-2" b	10'-6" b	9'-11" b	9'-6" b	9'-1" b	8'-9" b	8'-5" b	8'-2" b
2" x 4" x 0.050"	Hollow	14'-11" b	13'-10" b	12'-11" b	12'-2" b	11'-7" b	11'-0" b	10'-7" b	10'-2" b	9'-9" b	9'-5" b
2" x 4" x 0.046"	S.M.B.	17'-6" b	16'-3" b	15'-2" b	14'-4" b	13'-7" b	12'-11" b	12'-5" b	11'-11" b	11'-6" b	11'-1" b
2" x 5" x 0.050"	S.M.B.	21'-8" b	20'-1" b	18'-9" b	17'-9" b	16'-10" b	16'-0" b	15'-4" b	14'-9" b	14'-2" b	13'-9" b
2" x 6" x 0.050"	S.M.B.	23'-11" b	22'-2" b	20'-9" b	19'-7" b	18'-7" b	17'-9" b	16'-11" b	16'-3" b	15'-8" b	15'-2" b
2" x 2" x 0.044"	Snap	10'-4" b	9'-7" b	8'-11" b	8'-5" b	7'-11" b	7'-7" b	7'-4" b	7'-0" b	6'-9" b	6'-6" b
2" x 3" x 0.045"	Snap	13'-3" b	12'-3" b	11'-5" b	10'-9" b	10'-3" b	9'-9" b	9'-4" b	8'-11" b	8'-8" b	8'-4" b
2" x 4" x 0.045"	Snap	16'-2" b	14'-11" b	14'-0" b	13'-2" b	12'-6" b	11'-11" b	11'-5" b	10'-11" b	10'-7" b	10'-3" b

Notes:

1. Above spans do not include length of knee brace. Add horizontal distance from upright to center of brace to beam connection to the above spans for total beam spans.
2. Spans may be interpolated.

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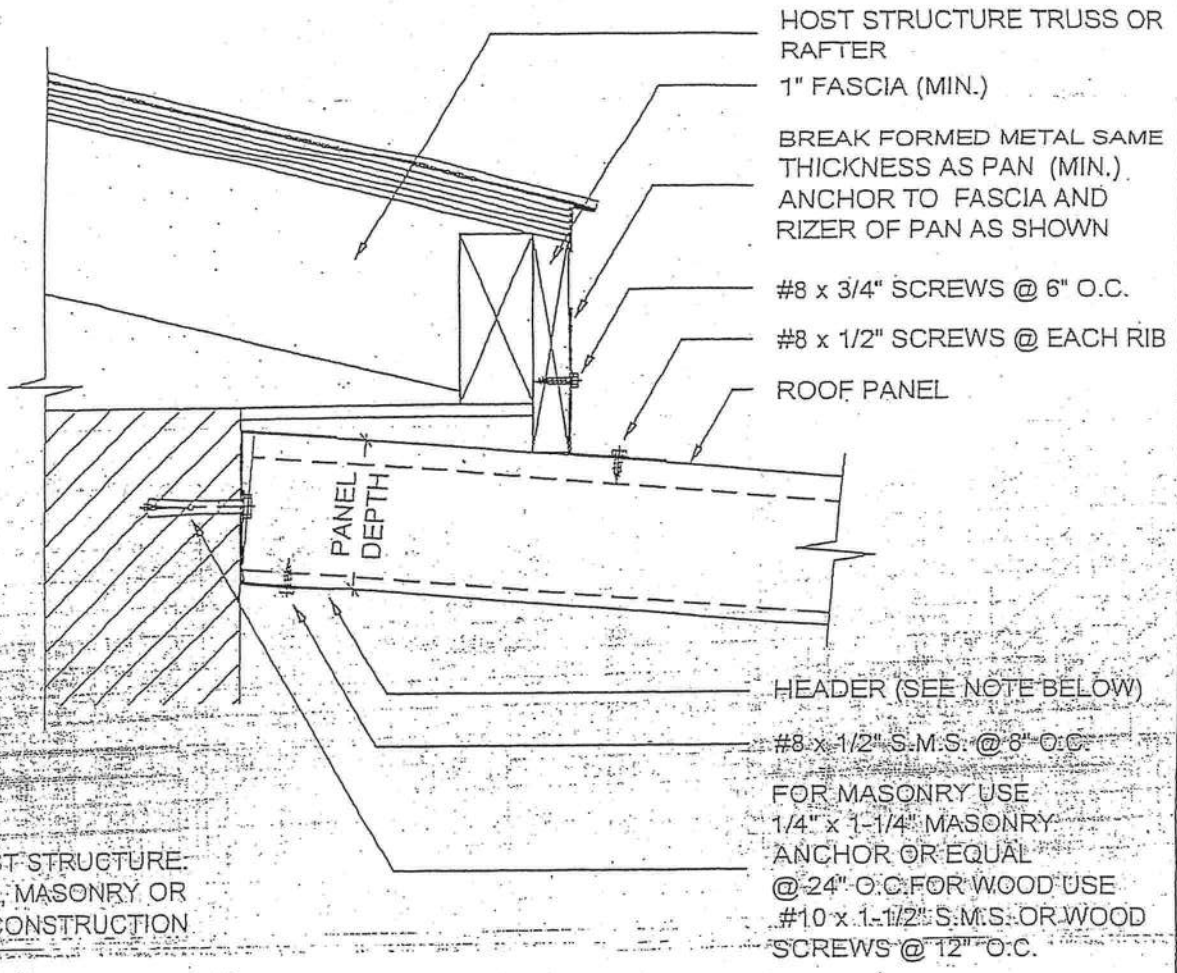

ALTERNATE ROOF PANEL TO WALL DETAIL

SCALE: 3" = 1'-0"

ROOF PANELS SHALL BE ATTACHED TO THE HEADER W/ (3) EACH #8 x 1/2" LONG CORROSION RESISTANT S.M.S. W/ 1/2" WASHERS. ALL SCREW HEADS SHALL BE CAULKED OR SHALL HAVE NEOPRENE GASKET BETWEEN THE WASHER AND THE PAN. PAN RIBS SHALL RECEIVE (1) EACH #8 x 1/2" SCREW EACH. THE PANS MAY BE ANCHORED THROUGH BOXED PAN W/ (3) EACH #8 x 1" OF THE ABOVE SCREW TYPES AND THE ABOVE SPECIFIED RIB SCREW.

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Table 7.2.1 Allowable Spans for Elite Composite Roof Panels for Various Loads
Elite Aluminum Corporation
Statewide Product Approval #FL1049

Manufacturers' Proprietary Products: Aluminum Alloy 3105 H-14 or H-25 Foam Core E.P.S. #1 Density

3" x 48" x 0.024" Panels Foam Core E.P.S. #1 Density

Wind Region	Open Structures Mono-Sloped Roof			Screen Rooms & Attached Covers			Glass & Modular Rooms Enclosed			Overhang / Cantilever All Roofs
	1&2 span	3 span	4 span	1&2 span	3 span	4 span	1&2 span	3 span	4 span	
100 MPH	21'-4"	23'-10"	23'-0"	20'-4"	22'-9"	21'-11"	15'-1"	17'-9"	16'-3"	4'-0"
110 MPH	21'-4"	23'-10"	23'-0"	18'-8"	20'-11"	20'-2"	13'-9"	15'-4"	14'-10"	4'-0"
120 MPH	20'-4"	22'-9"	21'-11"	17'-5"	19'-5"	18'-10"	12'-6"	13'-11"	13'-6"	4'-0"
123 MPH	19'-6"	21'-10"	21'-1"	15'-11"	18'-11"	18'-3"	11'-8"	13'-8"	13'-2"	4'-0"
130 MPH	18'-0"	20'-2"	19'-5"	15'-1"	17'-9"	16'-3"	11'-1"	12'-11"	12'-6"	4'-0"
140 MPH	12'-4"	13'-9"	13'-3"	12'-4"	13'-9"	13'-3"	10'-3"	11'-6"	11'-1"	4'-3"
150 MPH	12'-4"	13'-9"	13'-3"	12'-4"	13'-9"	13'-3"	9'-6"	10'-8"	10'-4"	3'-11"

3" x 48" x 0.030" Panels Foam Core E.P.S. #1 Density

Wind Region	Open Structures Mono-Sloped Roof			Screen Rooms & Attached Covers			Glass & Modular Rooms Enclosed			Overhang / Cantilever All Roofs
	1&2 span	3 span	4 span	1&2 span	3 span	4 span	1&2 span	3 span	4 span	
100 MPH	24'-11"	27'-11"	27'-0"	23'-10"	26'-8"	25'-9"	18'-8"	20'-10"	20'-2"	4'-0"
110 MPH	24'-11"	27'-11"	27'-0"	21'-11"	24'-6"	23'-8"	16'-2"	19'-3"	18'-8"	4'-0"
120 MPH	23'-10"	26'-8"	25'-9"	20'-5"	22'-10"	22'-1"	14'-8"	17'-8"	15'-10"	4'-0"
123 MPH	22'-11"	25'-7"	24'-9"	19'-10"	22'-2"	21'-5"	14'-4"	16'-0"	15'-6"	4'-0"
130 MPH	21'-2"	23'-7"	22'-10"	18'-8"	20'-10"	20'-2"	13'-7"	15'-2"	14'-8"	4'-0"
140 MPH	14'-5"	16'-2"	15'-7"	14'-5"	16'-2"	15'-7"	12'-8"	14'-2"	13'-8"	4'-0"
150 MPH	14'-5"	16'-2"	15'-7"	14'-5"	16'-2"	15'-7"	11'-2"	13'-2"	12'-9"	4'-0"

4" x 48" x 0.024" Panels Foam Core E.P.S. #1 Density

Wind Region	Open Structures Mono-Sloped Roof			Screen Rooms & Attached Covers			Glass & Modular Rooms Enclosed			Overhang / Cantilever All Roofs
	1&2 span	3 span	4 span	1&2 span	3 span	4 span	1&2 span	3 span	4 span	
100 MPH	23'-5"	26'-2"	25'-3"	22'-3"	24'-11"	24'-1"	17'-5"	19'-6"	18'-10"	4'-0"
110 MPH	23'-5"	26'-2"	25'-3"	20'-6"	22'-11"	22'-2"	15'-1"	18'-0"	17'-5"	4'-0"
120 MPH	22'-3"	24'-11"	24'-1"	19'-1"	21'-4"	20'-7"	13'-9"	15'-4"	14'-10"	4'-0"
123 MPH	21'-5"	23'-11"	23'-2"	18'-6"	20'-9"	20'-0"	13'-5"	14'-11"	14'-6"	4'-0"
130 MPH	19'-9"	22'-1"	21'-4"	17'-5"	19'-6"	18'-10"	12'-8"	14'-2"	13'-8"	4'-0"
140 MPH	13'-6"	15'-1"	14'-7"	13'-6"	15'-1"	14'-7"	11'-3"	13'-3"	12'-9"	4'-0"
150 MPH	13'-6"	15'-1"	14'-7"	13'-6"	15'-1"	14'-7"	10'-5"	12'-4"	11'-4"	4'-0"

4" x 48" x 0.030" Panels Foam Core E.P.S. #1 Density

Wind Region	Open Structures Mono-Sloped Roof			Screen Rooms & Attached Covers			Glass & Modular Rooms Enclosed			Overhang / Cantilever All Roofs
	1&2 span	3 span	4 span	1&2 span	3 span	4 span	1&2 span	3 span	4 span	
100 MPH	26'-11"	30'-1"	29'-1"	25'-8"	28'-9"	27'-9"	20'-1"	22'-5"	21'-8"	4'-0"
110 MPH	26'-11"	30'-1"	29'-1"	23'-8"	26'-5"	25'-6"	18'-7"	20'-9"	20'-1"	4'-0"
120 MPH	25'-8"	28'-9"	27'-9"	21'-11"	24'-7"	23'-9"	15'-10"	19'-1"	18'-5"	4'-0"
123 MPH	24'-8"	27'-7"	26'-8"	21'-4"	23'-11"	23'-1"	15'-5"	18'-6"	17'-11"	4'-0"
130 MPH	22'-9"	25'-5"	24'-7"	20'-1"	22'-5"	21'-8"	14'-7"	17'-5"	15'-9"	4'-0"
140 MPH	15'-7"	17'-5"	16'-10"	15'-7"	17'-5"	16'-10"	13'-8"	15'-3"	14'-9"	4'-0"
150 MPH	15'-7"	17'-5"	16'-10"	15'-7"	17'-5"	16'-10"	[illegible]	[illegible]	[illegible]	[illegible]

Note: Total roof panel width = room width + w[illegible]

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Table 9.1 Allowable Loads for Concrete Anchors

Screw Size d = diameter	Embedment Depth (in.)	Min. Edge Dist. & Anchor Spacing 5d (in.)	Allowable Loads Tension	Allowable Loads Shear
ZAMAC NAILIN (Drive Anchors)				
1/4"	1-1/2"	1-1/4"	273#	236#
	2"	1-1/4"	316#	236#
TAPPER (Concrete Screws)				
3/16"	1-1/4"	15/16"	288#	167#
	1-3/4"	15/16"	371#	259#
1/4"	1-1/4"	1-1/4"	427#	200#
	1-3/4"	1-1/4"	544#	216#
3/8"	1-1/2"	1-7/8"	511#	402#
	1-3/4"	3-3/8"	703#	455#
POWER BOLT (Expansion Bolt)				
1/4"	2"	1-1/4"	624#	261#
5/16"	3"	1-7/8"	936#	751#
3/8"	3-1/2"	1-7/8"	1,575#	1,425#
1/2"	5"	2-1/2"	2,332#	2,220#
POWER STUD (Wedge Anchor)				
1/4"	2-3/4"	1-1/4"	812#	326#
3/8"	4-1/4"	1-7/8"	1,358#	921#
1/2"	6"	2-1/2"	2,271#	1,218#
5/8"	7"	2-1/4"	3,288#	2,202#

Notes:
1. Concrete screws are limited to 2" embedment by manufacturers.
2. Values listed are allowed loads with a safety factor of 4 applied.
3. Products equal to rawl may be substituted.
4. Anchors receiving loads perpendicular to the diameter are in tension.
5. Allowable loads are increased by 1.00 for wind load.
6. Minimum edge distance and center to center spacing shall be 5d.
7. Anchors receiving loads parallel to the diameter are shear loads.
8. A 133% increase has been applied because wind uplift is only load.

Allowable Load Coversion Multipliers for Edge Distances More Than 5d

Edge Distance	Multipliers Tension	Multipliers Shear
5d	1.00	1.00
6d	1.04	1.20
7d	1.08	1.40
8d	1.11	1.60
9d	1.14	1.80
10d	1.18	2.00
11d	1.21	-
12d	1.25	-

Example:
Determine the number of concrete anchors required for a pool enclosure by dividing the uplift load by the anchor allowed load.
For a 2" x 6" beam with: spacing = 7'-0" O.C.,
allowed span = 20'-5" (Table 1.1)

UPLIFT LOAD = 1/2(BEAM SPAN) x BEAM & UPRIGHT SPACING

$$\text{NUMBER OF ANCHORS} = \frac{1/2(20.42') \times 7' \times 10\#/\text{Sq. Ft.}}{\text{ALLOWED LOAD ON ANCHOR}}$$

$$\text{NUMBER OF ANCHORS} = \frac{714.70\#}{427\#} = 1.67$$

Therefore, use 2 anchors, one (1) on each side of upright.

Table is based on Rawl Products' allowable loads for 2,500 p.s.i. concrete.

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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
9TM01401	14-1	135SW BLACK MAPLE CT	JAX-9TM	DVPM4 LEFT

DAVENPORT A-M

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	10/18/07	10/15/08	J	10/10/08	10/15/08
V	07/27/05	10/15/08	JS	10/10/08	10/15/08
HIP	11/02/06	10/15/08	JSA	10/10/08	10/15/08
S1	10/10/08	10/15/08	J1	10/10/08	10/15/08
HS1	10/10/08	10/15/08	JS1	10/10/08	10/15/08
HS2	10/10/08	10/15/08	J2	10/10/08	10/15/08
HS3	10/10/08	10/15/08	JS2	10/10/08	10/15/08
HS4	10/10/08	10/15/08	J3	10/10/08	10/15/08
HS5	10/10/08	10/15/08	JS3	10/10/08	10/15/08
HS6S	10/10/08	10/15/08	V1S	10/10/08	10/15/08
HS7S	10/10/08	10/15/08	V2S	10/10/08	10/15/08
HS8S	10/10/08	10/15/08	V3S	10/10/08	10/15/08
HSGRD1S	10/10/08	10/15/08	V4S	10/10/08	10/15/08
H1S	10/10/08	10/15/08	V6	10/10/08	10/15/08
H2S	10/10/08	10/15/08	V7	10/10/08	10/15/08
H3S	10/10/08	10/15/08	V8	10/10/08	10/15/08
H4S	10/10/08	10/15/08			
H5S	10/10/08	10/15/08			
B1	10/10/08	10/15/08			
BGRD1	10/10/08	10/15/08			
GRD1	10/10/08	10/15/08			
T1	10/10/08	10/15/08			
G1	10/10/08	10/15/08			
H6	10/10/08	10/15/08			
HGRD1	10/10/08	10/15/08			
GRD2	10/10/08	10/15/08			
T2	10/10/08	10/15/08			
G2	10/10/08	10/15/08			
JGRD1	10/10/08	10/15/08			
JSGRD1	10/10/08	10/15/08			

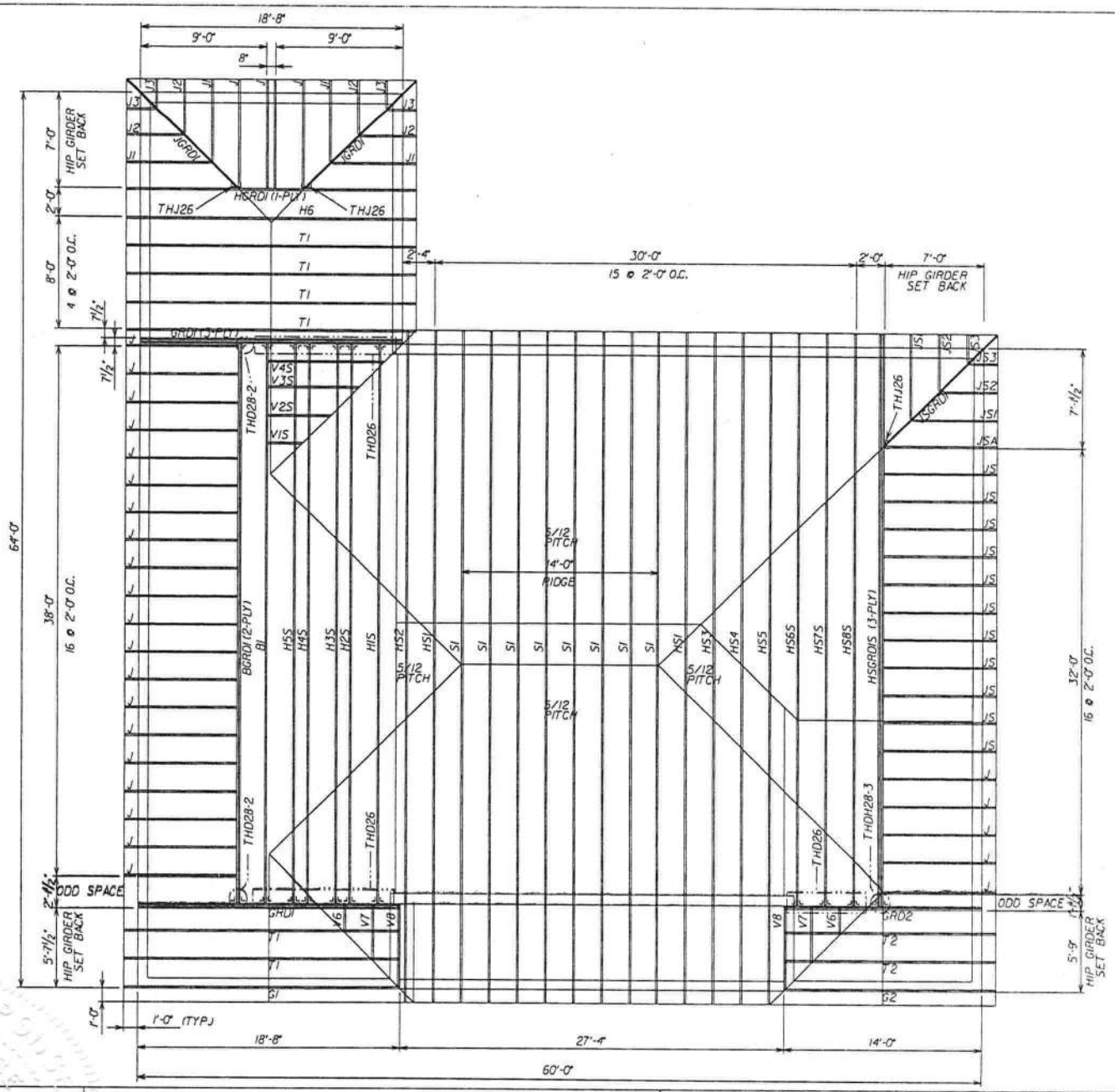
No. of Eng. Dwgs:	46
Roof Loads-	
TC Live:	16.0 psf
TC Dead:	7.0 psf
BC Live:	10.0 psf
BC Dead:	10.0 psf
Total	43.0 psf
DurFac- Lbr:	1.25
DurFac- Plt:	1.25
O.C. Spacing:	24.0"

INV #	DESC	QNTY
50060.0048	THD26	15
50060.0047	THD28	
50060.0050	THDH28-3	1
50060.0110	JUS26	
50060.0058	THJ26	3
50060.0049	THD28-2	2
SEAT PLATES		150

DATE: OCT 29 2008

HARDWARE LEGEND

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



HARDWARE MANUFACTURED BY USP

* HARDWARE MANUFACTURED BY SIMPSON

** HARDWARE MANUFACTURED BY CLEVELAND

OCT 29 2008

DAVENPORT ELEVATION "A","M"- FL

GARAGE : LEFT

Maronda Homes

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

DESIGNER: WCA
CHECKER: MIKE
DESIGNER: K WARD

SCALE: 1/8" = 1'-0"
DATE: 10/18/2007

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 · mitek support@mii.com

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.

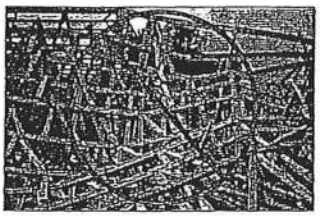
NOTAS GENERALES

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.

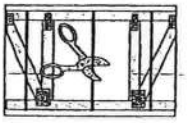
⚠ The consequences of improper handling, erecting, installing, restraining and bracing can result in a collapse of the structure, or worse, serious personal injury or death.

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.

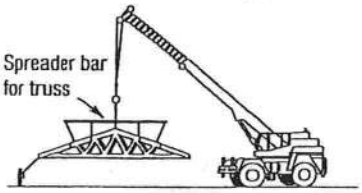


HANDLING — MANEJO

⚠ Avoid lateral bending. — Evite la flexión lateral.

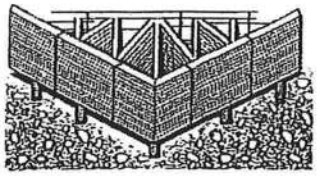
⚠ Use special care in windy weather or near power lines and airports.

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



⚠ 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.

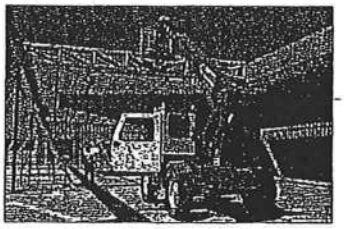
Si los trusses estarán guardados horizontalmente, ponga bloqueando de altura suficiente detrás de la pila de los trusses.

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.

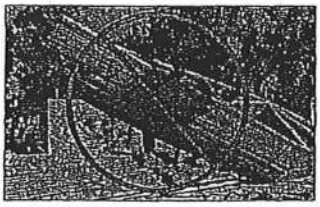
☑ Use proper rigging and hoisting equipment.

Use equipo apropiado para levantar e improvisar.



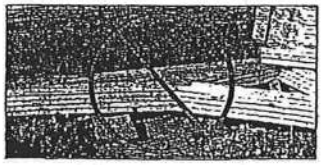
⊘ Do not store unbraced bundles upright.

No almacene verticalmente los trusses sueltos.



⊘ Do not store on uneven ground.

No almacene en tierra desigual.

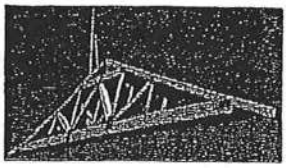


HOISTING RECOMMENDATIONS FOR TRUSS BUNDLES
RECOMENDACIONES PARA LEVANTAR PAQUETES DE TRUSSES.

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

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

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



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

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

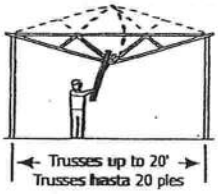
⚠ Warning! Do not over load supporting structure with truss bundle.
¡Advertencia! No sobrecargue la estructura apoyada con el paquete de trusses.

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

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

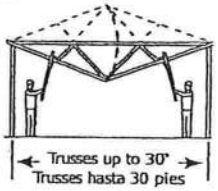
☑ Trusses 20' or less, support at peak.

Levante del pico los trusses de 20 pies o menos.



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

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



HOISTING OF SINGLE TRUSSES — LEVANTAMIENTO DE TRUSSES INDIVIDUALI

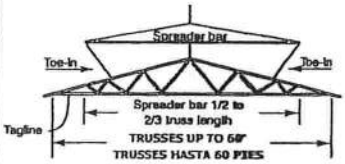
☑ Hold each truss in position with the erection equipment until top chord temporary lateral restraint is installed and the truss is fastened to the bearing points.

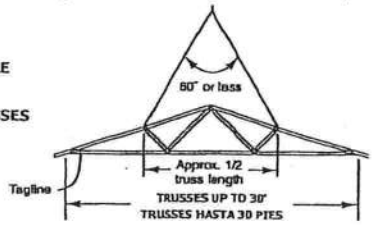
Sostenga cada truss en posición con equipo de grúa hasta que la restricción lateral temporal de la cuerda superior esté instalado y el truss está asegurado en los soportes.

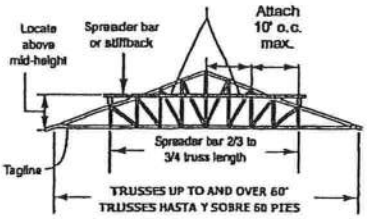
⚠ Warning! Using a single pick-point at the peak can damage the truss.

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

HOISTING RECOMMENDATIONS FOR SINGLE TRUSSES
RECOMENDACIONES PARA LEVANTAR TRUSSES INDIVIDUALES



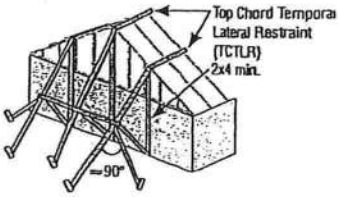




TEMPORARY RESTRAINT & BRACING
RESTRICCIÓN Y ARRIOSTRE TEMPORAL

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

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

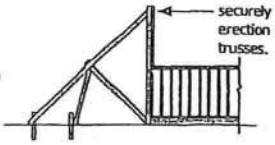


☑ Locate ground braces for first truss directly in line with all rows of top chord temporary lateral restraint (see table in the next column).

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

⊘ Do not walk on unbraced trusses.

No camine en trusses sueltos.



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

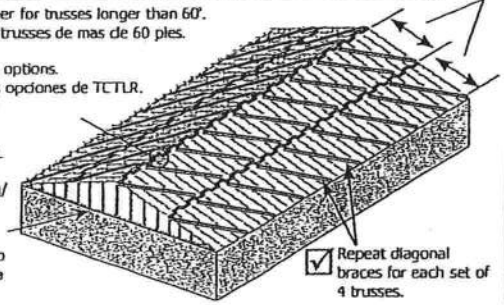
Truss Span Longitud de Tramo	Top Chord Temporary Lateral Restraint (TCTLR) Spacing Espaciamiento del Arriostre Temporal de la Cuerda Superior
Up to 30' Hasta 30 pies	10' o.c. max. 10 pies máximo
30' to 45' 30 a 45 pies	8' o.c. max. 8 pies máximo
45' to 60' 45 a 60 pies	6' o.c. max. 6 pies máximo
60'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



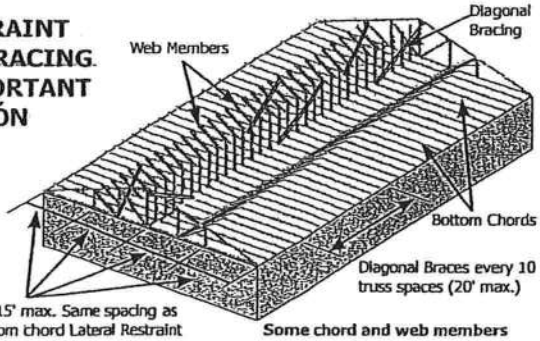
Repeat diagonal braces for each set of 4 trusses.

Repita los arrisotres diagonales para cada grupo de 4 trusses.

Ground bracing not shown for clarity.

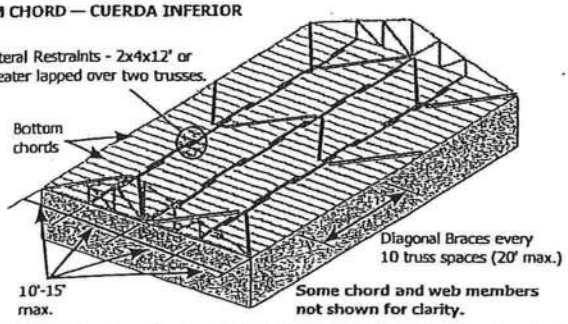
) WEB MEMBER PLANE — PLANO DE LOS MIEMBROS SECUNDARIOS

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



Some chord and web members not shown for clarity.

) BOTTOM CHORD — CUERDA INFERIOR

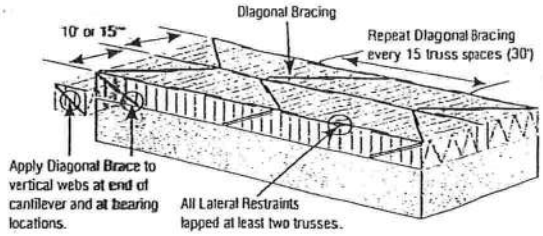


Some chord and web members not shown for clarity.

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.

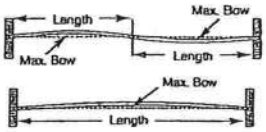
Vea el resumen BCSI-B7 – Restricción y Arriostre Temporal y Permanente de Trusses de Cuerdas Paralelas para más información.



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

INSTALLING — INSTALACION

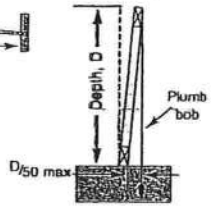
Tolerances for Out-of-Plane.
Tolerancias para Fuera-de-Plano.



Out-of-Plane	
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'

Out-of-Plane	
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.

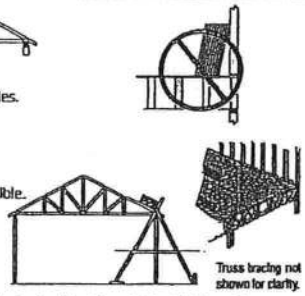
Maximum Stack Heights	
Material	Height
Gypsum Board	12"
Plywood or OSB	16"
Asphalt Shingles	2 bundles
Concrete Block	8"
Clay Tile	3-4 tiles high

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

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

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

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



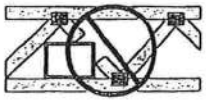
ALTERATIONS — ALTERACIONES

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

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

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

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



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

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

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

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

B1WARN11x17 20061115

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

STRONGBACKING PROVISIONS

Strongbacking is intended to enhance the performance of the truss by helping to limit differential deflection between adjacent trusses and to reduce vibration. Strongbacking is generally attached near the bottom of vertical webs or scabs at specified intervals and locations indicated on the Truss Design Drawing (TDD). ANSI/TPI 1 provides the following provisions for using strongbacking:

- ☑ The Building Designer specifies if strongbacking is required.
- ☑ Use a minimum 2x6 (nominal) lumber oriented with the depth vertical.
- ☑ Attach the strongbacking to each truss with a minimum of three (3) 16d common nails (0.162x3.5"). Shim the joint between the strongback and truss to ensure a solid connection.
- ☑ The strongbacking shall be as continuous as possible. When required to be cut, removed, or modified to allow for the installation of mechanical and/or plumbing lines, the continuity at the adjoining floor sections shall be maintained as specified by the Truss Designer.
- ☑ Spacing between strongbacking shall not exceed 10'.
- ☑ When specified to control vibration in floor assemblies, locate the strongbacking as stipulated on the Truss Design Drawing unless otherwise specified by the Building Designer.
- ☑ When specified to control deflection in floor assemblies, unless otherwise specified by the Truss Designer, install one strongback near the centerline of the truss clear span when the deflection due to live load exceeds 0.67" and install two strongbacks near the centerline of the clear span, or near the third points of the truss span, when the live load deflection exceeds 0.85".
- ☑ Floor trusses with ceilings attached that meet span/480 live load deflection criteria do not require strongbacking, unless required for a specific fire-rated assembly or specified in the Construction Documents.

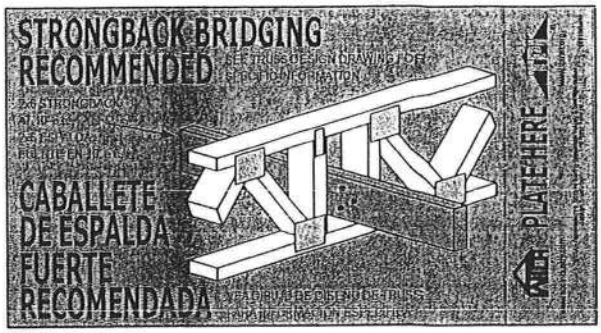


FIGURE B7-14

- ☑ Attach the ends of each row of strongbacks to a wall or another secure end restraint.
- ☑ Many Truss Manufacturers will also include a supplemental tag, such as the one shown above, to further assist the erection/installation Contractor in correctly installing strongbacking.

FIGURE B7-15

⊘ DO NOT WALK ON UNBRACED TRUSSES

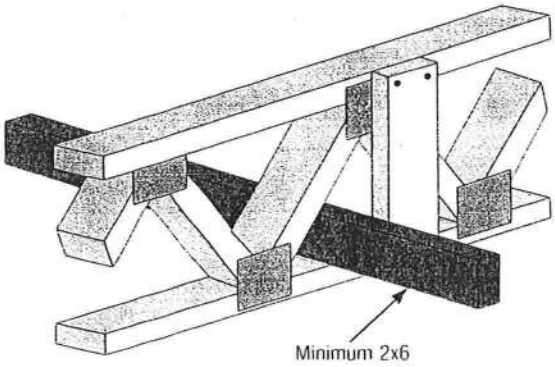


FIGURE B7-12

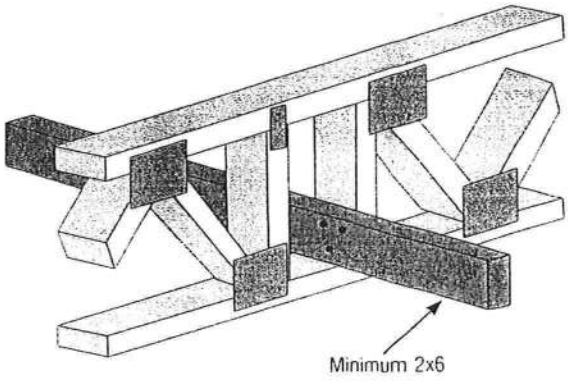


FIGURE B7-13

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

PRECAUTIONARY NOTES

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

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

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

VALLEY MEMBERS TO BE SET PERPENDICULAR TO TRUSSES BELOW.

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

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

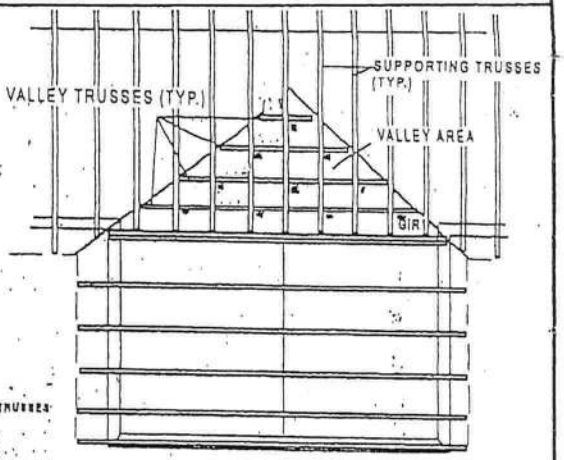
2X4 TRANSVERSE BRACING NAILED FLAT TO EDGE OF WEB WITH 12d NAILS AT 8" O.C. OR A SCAB OF THE SAME DIMENSION AND GRADE AS WEB; NAILED TO FACE (S) OF WEB WITH 10d NAILS STAGGERED 8" O.C. SCAB OR TRANSVERSE BRACKING TO EXTEND FOR 90% OF WEB LENGTH. 2X6 BRACE REQUIRED ON ANY WEB EXCEEDING 14'.

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

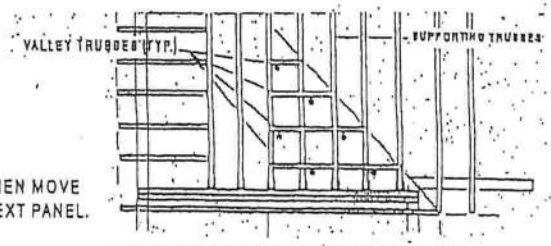
(1) ONE BRACE REQUIRED ON WEBS > = 94.0" LONG *
(2) TWO BRACES REQ'D ON WEBS > =126.0" LONG. **

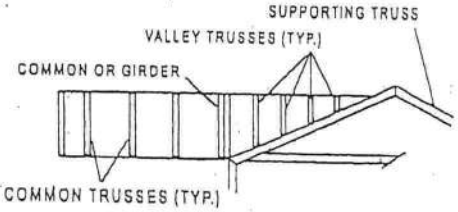
VALLEY TRUSSES ARE ACCEPTABLE TO BE CANTILEVERED UP TO TWO FEET.

COMMON VALLEY



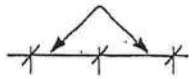
MONO VALLEY



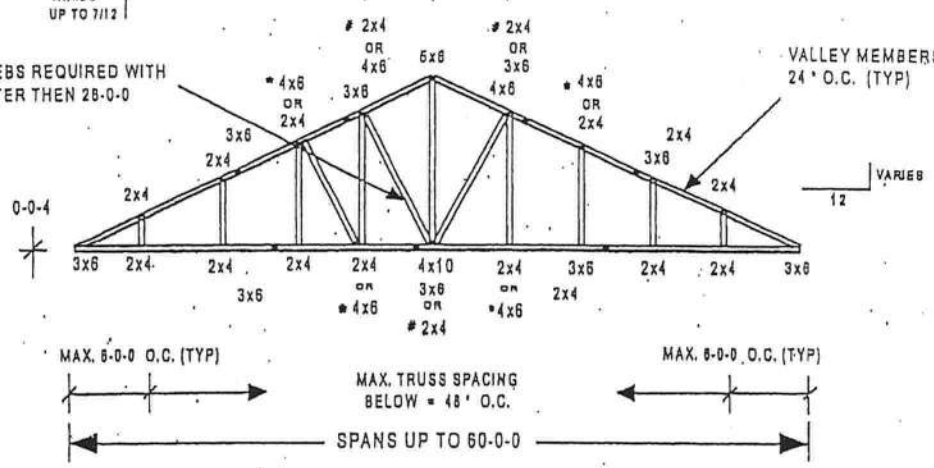


* VALLEY STRAPPING TO TRUSS BELOW @ 4' O.C.

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



(*) WHEN DIAGONAL WEB PRESENT USE 4X6 PLATE
(#) WHEN NO DIAGONAL WEB PRESENT USE 2X4 PLATE



DEC 17 2005

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

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

WARNING:
READ ALL NOTES ON THIS SHEET. A COPY OF THIS DRAWING TO BE GIVEN TO ERECTING CONTRACTOR. BRACING WARNING:
Bracing shown on this drawing is not erection bracing, wind bracing, partial 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

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.

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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 handing 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 domino-ing. 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

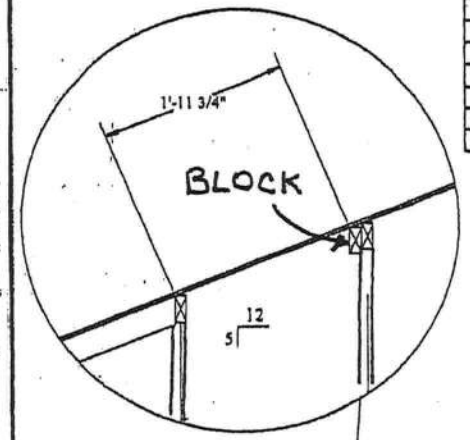
APA-FORM NO. TT-083

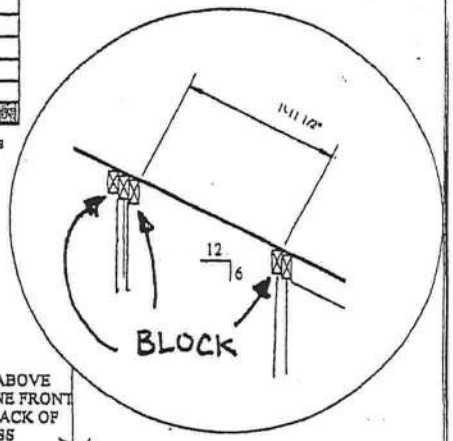
SPAN RATING AND BLOCKING RECOMMENDATIONS FOR USE OVER HIP-ROOFS SUPPORT AT 24" O.C

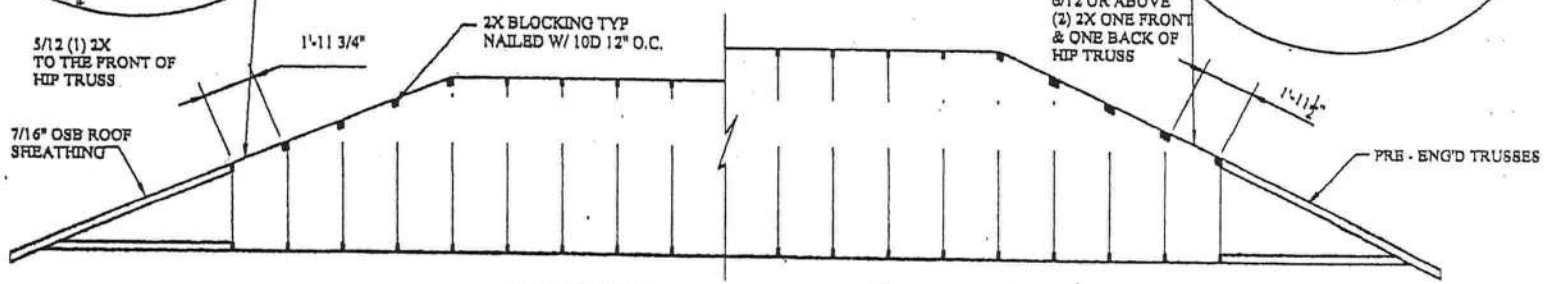
Roof Slope	Panel Span Rating			
	24/16	32/16	40/20	48/24
≤ 1:12	OK	OK	OK	OK
≤ 2:12	OK	OK	OK	OK
≤ 3:12	OK	OK	OK	OK
≤ 4:12	OK	OK	OK	OK
≤ 5:12	OK	OK	OK	OK
≤ 6:12	OK	OK	OK	OK
≤ 8:12	OK	OK	OK	OK
≤ 7:12	OK	OK	OK	OK
≤ 8:12	OK	OK	OK	OK
≤ 9:12	OK	OK	OK	OK
≤ 10:12	OK	OK	OK	OK
≤ 11:12	OK	OK	OK	OK
≤ 12:12	OK	OK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

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

NOV 0 2 2006







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

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

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	S1	SPECIAL	8	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:53 2008 Page 1

-1-0-0	6-6-4	12-0-6	16-11-1	23-0-0	26-0-0	32-1-7	39-0-0	46-0-0	47-0-0
1-0-0	6-6-4	5-6-2	4-10-11	6-0-15	3-0-0	6-1-7	6-10-9	7-0-0	1-0-0

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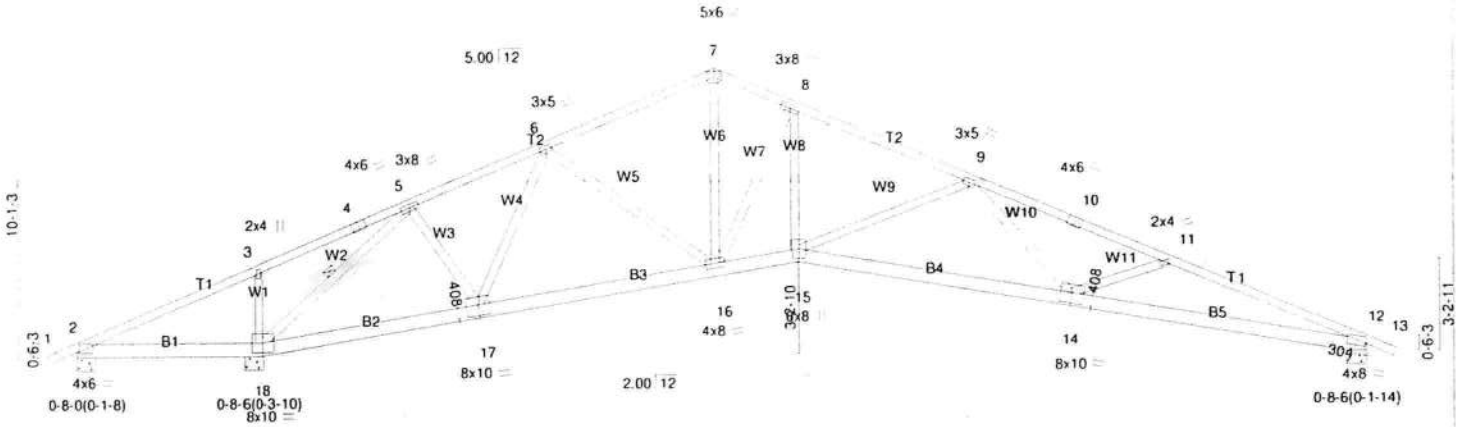


6-4-3	6-8-0	14-5-13	23-0-0	26-0-0	35-8-5	46-0-0
6-4-3	0-3-13	7-9-13	8-6-3	3-0-0	9-8-5	10-3-11

Plate Offsets (X,Y): [4:0-3-0,Edge], [10:0-3-0,Edge], [12:0-3-4,0-2-0], [14:0-5-0,0-4-8], [17:0-5-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.77	Vert(LL)	-0.38	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.95	Vert(TL)	-0.76	14-15	>616	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.87	Horz(TL)	-0.32	18	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 276 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 *Except*
W7 2 X 4 SYP No.1D

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-6-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-4-2 oc bracing.
WEBS 1 Row at midpt 5-18

REACTIONS (lb/size) 2=-625/0-8-0, 18=3055/0-8-6, 12=1596/0-8-6
Max Horz 12=162(LC 6)
Max Uplift2=-653(LC 11), 18=-583(LC 6), 12=-390(LC 7)
Max Grav2=64(LC 7), 18=3055(LC 1), 12=1596(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/14, 2-3=-618/2149, 3-4=-466/2002, 4-5=-455/2090, 5-6=-1386/469, 6-7=-2057/686, 7-8=-2021/710, 8-9=-2886/854, 9-10=-4276/1198, 10-11=-4337/1186, 11-12=-4570/1410, 12-13=0/11
BOT CHORD 2-18=-1893/647, 17-18=-41/727, 16-17=-240/1600, 15-16=-401/2605, 14-15=-845/3528, 12-14=-1191/4183
WEBS 3-18=-391/323, 5-18=-3513/938, 5-17=-131/1055, 6-17=-799/305, 6-16=-61/470, 7-16=-356/1318, 8-16=-1616/451, 8-15=-306/1593, 9-15=-930/458, 9-14=-54/797, 11-14=-176/331

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) Bearing at joint(s) 12 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 653 lb uplift at joint 2, 583 lb uplift at joint 18 and 390 lb uplift at joint 12.

LOAD CASE(S) Standard

OCT 15 2008

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

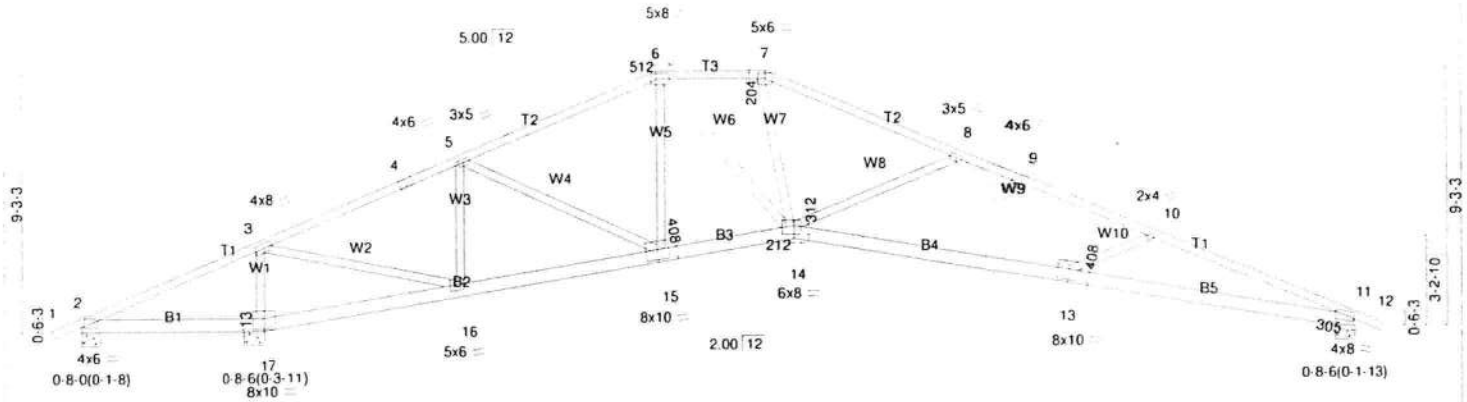
Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	HS1	SPECIAL	2	1	

Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:32 2008 Page 1

-1-0-0	6-8-6	13-10-3	21-0-0	25-0-0	31-10-13	38-9-11	46-0-0	47-0-0
1-0-0	6-8-6	7-1-13	7-1-13	4-0-0	6-10-13	6-10-13	7-2-5	1-0-0

Scale = 1:79.6



6-4-3	6-8-6	13-10-3	21-0-0	26-0-0	35-10-4	46-0-0
6-4-3	0-4-3	7-1-13	7-1-13	5-0-0	9-10-4	10-1-12

Plate Offsets (X,Y): [4:0-3-0,Edge], [6:0-5-12,0-2-8], [7:0-3-0,0-2-4], [9:0-3-0,Edge], [11:0-3-5,0-2-0], [13:0-5-0,0-4-8], [14:0-2-12,0-3-12], [15:0-5-0,0-4-8], [17:0-5-0,0-0-13]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.76	Vert(LL)	-0.36	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.92	Vert(TL)	-0.73	13-14	>645	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.70	Horz(TL)	-0.27	17	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 269 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 2-6-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-0-0 oc bracing.

REACTIONS (lb/size) 2=-672/0-8-0, 17=3124/0-8-6, 11=1575/0-8-6
Max Horz 11=150(LC 6)
Max Uplift2=-714(LC 11), 17=-554(LC 6), 11=-379(LC 7)
Max Grav2=48(LC 7), 17=3124(LC 1), 11=1575(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/14, 2-3=-616/2280, 3-4=-1171/387, 4-5=-1055/399, 5-6=-1961/681, 6-7=-2375/825, 7-8=-2796/861, 8-9=-4155/1221, 9-10=-4268/1210, 10-11=-4501/1408, 11-12=0/11
BOT CHORD 2-17=-2010/643, 16-17=-2191/709, 15-16=-132/1059, 14-15=-239/1785, 13-14=-849/3418, 11-13=-1187/4120
WEBS 3-17=-2404/857, 3-16=-828/3234, 5-16=-992/452, 5-15=-127/848, 6-15=-267/127, 6-14=-227/1020, 8-14=-913/473, 8-13=-73/834, 10-13=-173/316, 7-14=-126/831

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) Bearing at joint(s) 11 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 714 lb uplift at joint 2, 554 lb uplift at joint 17 and 379 lb uplift at joint 11.

LOAD CASE(S) Standard

OCT 15 2008

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

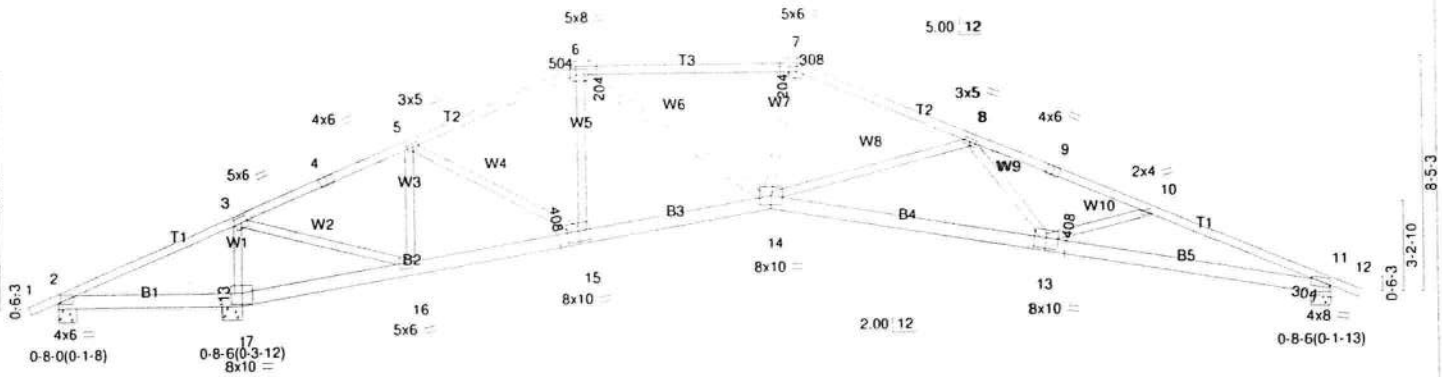
Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	HS2	SPECIAL	1	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida

7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:33 2008 Page 1

-1-0-0	6-8-6	12-10-3	19-0-0	27-0-0	33-2-13	39-5-11	46-0-0	47-0-0
1-0-0	6-8-6	6-1-13	6-1-13	8-0-0	6-2-13	6-2-13	6-6-5	1-0-0

Scale = 1:79.6



6-4-3	6-8-6	12-10-3	19-0-0	26-0-0	35-10-4	46-0-0
6-4-3	0-4-3	6-1-13	6-1-13	7-0-0	9-10-4	10-1-12

Plate Offsets (X,Y): [4:0-3-0,Edge], [6:0-5-4,0-2-4], [7:0-3-8,0-2-4], [9:0-3-0,Edge], [10:0-0-0,0-0-0], [11:0-3-4,0-2-0], [13:0-5-0,0-4-8], [15:0-5-0,0-4-8], [17:0-5-0,0-0-13]

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)	-0.36	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.94	Vert(TL)	-0.72	13-14	>652	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.90	Horz(TL)	-0.28	17	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 265 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 2-8-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-9-11 oc bracing.

REACTIONS (lb/size) 17=3204/0-8-6, 2=-741/0-8-0, 11=1563/0-8-6
Max Horz 11=137(LC 6)
Max Uplift 17=-566(LC 5), 2=-799(LC 11), 11=-368(LC 7)
Max Grav 17=3204(LC 1), 2=45(LC 7), 11=1563(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 7-8=-2819/907, 8-9=-4161/1218, 9-10=-4224/1208, 10-11=-4432/1437, 11-12=0/11, 6-7=-2705/902, 1-2=0/14, 2-3=-678/2453, 3-4=-846/279, 4-5=-785/297, 5-6=-1817/661
BOT CHORD 13-14=-911/3564, 11-13=-1217/4053, 16-17=-2355/768, 15-16=-43/758, 14-15=-261/1669, 2-17=-2169/701
WEBS 10-13=-135/314, 8-13=-7/660, 8-14=-977/423, 7-14=-48/744, 6-14=-293/1348, 6-15=-423/217, 5-15=-253/1105, 5-16=-1173/481, 3-16=-813/3094, 3-17=-2463/873

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) Bearing at joint(s) 11 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 566 lb uplift at joint 17, 799 lb uplift at joint 2 and 368 lb uplift at joint 11.

LOAD CASE(S) Standard

TOMAS PONCE
LICENSE
No. 50068
STATE OF FLORIDA
PROFESSIONAL ENGINEER

OCT 15 2008

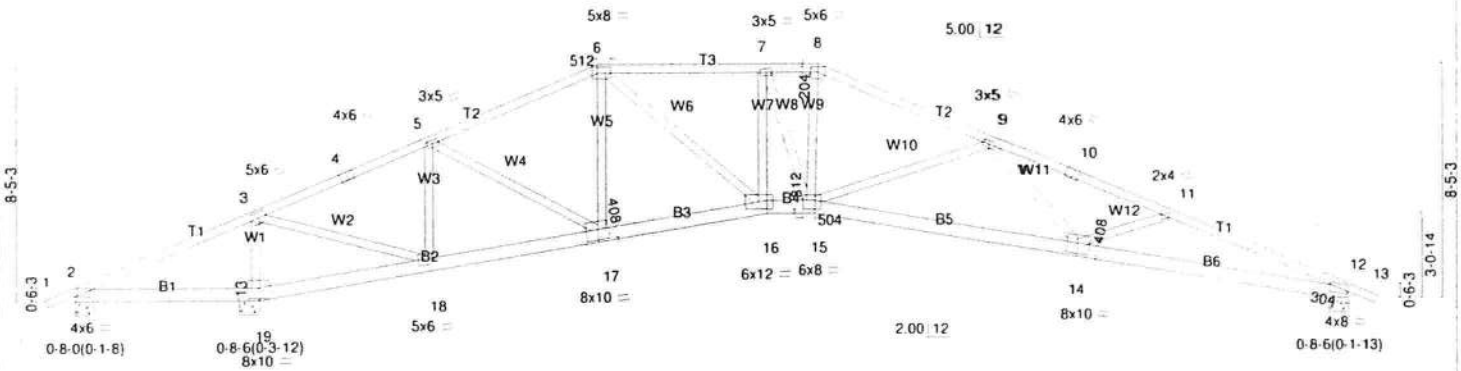
Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	HS3	SPECIAL	1	1	

Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:34 2008 Page 1

-1-0-0	6-8-6	12-10-3	19-0-0	25-1-8	33-2-13	39-5-11	46-0-0	47-0-0
1-0-0	6-8-6	6-1-13	6-1-13	6-1-8	8-1-5	6-2-13	6-6-5	1-0-0

Scale = 1:79.6



6-4-3	6-8-6	12-10-3	19-0-0	25-1-8	26-10-8	36-3-8	46-0-0
6-4-3	0-4-3	6-1-13	6-1-13	6-1-8	1-9-0	9-5-0	9-8-8

Plate Offsets (X,Y): [4:0-3-0,Edge], [6:0-5-12,0-2-8], [8:0-3-0,0-2-4], [10:0-3-0,Edge], [11:0-0-0,0-0-0], [12:0-3-4,0-2-0], [14:0-5-0,0-4-8], [15:0-5-4,0-3-12], [17:0-5-0,0-4-8], [19:0-5-0,0-0-13]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.76	Vert(LL)	-0.35	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.94	Vert(TL)	-0.70	14-15	>669	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.67	Horz(TL)	-0.27	19	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 277 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 2-8-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-9-13 oc bracing.

REACTIONS (lb/size) 19=3199/0-8-6, 2=-736/0-8-0, 12=1564/0-8-6
Max Horz 12=137(LC 6)
Max Uplift 19=-566(LC 5), 2=-794(LC 11), 12=-368(LC 7)
Max Grav 19=3199(LC 1), 2=43(LC 7), 12=1564(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 8-9=-2923/925, 9-10=-4197/1239, 10-11=-4260/1228, 11-12=-4448/1424, 12-13=0/11, 6-7=-2553/893, 7-8=-2666/906, 1-2=0/14, 2-3=-677/2443, 3-4=-850/282, 4-5=-790/301, 5-6=-1819/656
BOT CHORD 14-15=-923/3558, 12-14=-1205/4064, 15-16=-479/2539, 18-19=-2345/768, 17-18=-47/763, 16-17=-252/1655, 2-19=-2160/701
WEBS 11-14=-110/286, 9-14=-19/668, 9-15=-901/435, 7-15=-129/388, 7-16=-525/187, 6-16=-311/1240, 6-17=-393/209, 5-17=-239/1091, 5-18=-1177/483, 3-18=-816/3092, 3-19=-2457/872, 8-15=-180/893

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) Bearing at joint(s) 12 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 566 lb uplift at joint 19, 794 lb uplift at joint 2 and 368 lb uplift at joint 12.

LOAD CASE(S) Standard

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

OCT 15 2008

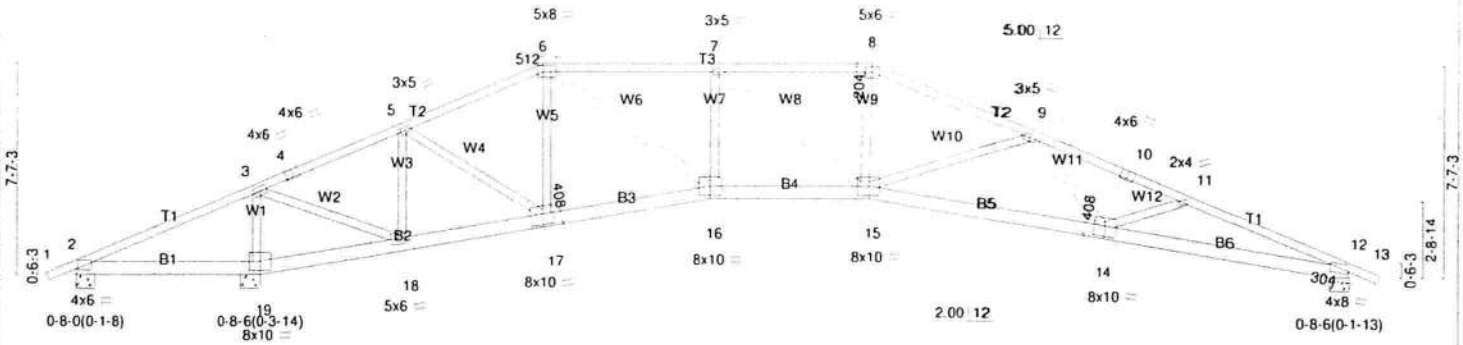
Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	HS4	SPECIAL	1	1	

Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:34 2008 Page 1

-1-0-0	6-8-6	11-10-3	17-0-0	23-1-8	29-0-0	34-6-13	40-1-11	46-0-0	47-0-0
1-0-0	6-8-6	5-1-13	5-1-13	6-1-8	5-10-8	5-6-13	5-6-13	5-10-5	1-0-0

Scale = 1:79.6



6-4-3	6-8-6	11-10-3	17-0-0	23-1-8	28-10-8	37-3-8	46-0-0
6-4-3	0-4-3	5-1-13	5-1-13	6-1-8	5-9-0	8-5-0	8-8-8

Plate Offsets (X,Y): [4:0-3-0,Edge], [6:0-5-12,0-2-8], [8:0-3-0,0-2-4], [10:0-3-0,Edge], [11:0-0-0,0-0-0], [12:0-3-4,0-2-0], [14:0-5-0,0-4-8], [17:0-5-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.77	Vert(LL)	-0.34	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.95	Vert(TL)	-0.67	14-15	>693	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.54	Horz(TL)	-0.27	19	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 271 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 2-9-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-7-1 oc bracing.

REACTIONS (lb/size) 19=3305/0-8-6, 2=-827/0-8-0, 12=1549/0-8-6
Max Horz 12=124(LC 6)
Max Uplift19=-628(LC 5), 2=-901(LC 11), 12=-355(LC 7)
Max Grav19=3305(LC 1), 2=38(LC 7), 12=1549(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 8-9=-3175/1032, 9-10=-4217/1270, 10-11=-4265/1258, 11-12=-4383/1417, 12-13=0/11, 6-7=-2617/938, 7-8=-2910/1002, 1-2=0/14, 2-3=-757/2667, 3-4=-442/154, 4-5=-388/169, 5-6=-1536/586
BOT CHORD 14-15=-988/3655, 12-14=-1201/3993, 15-16=-578/2633, 18-19=-2557/845, 17-18=0/384, 16-17=-217/1399, 2-19=-2365/775
WEBS 11-14=-26/232, 9-14=-3/525, 9-15=-748/361, 7-15=-148/400, 6-16=-445/1571, 6-17=-619/282, 5-17=-346/1325, 5-18=-1381/527, 3-18=-794/2940, 3-19=-2530/891, 8-15=-169/945, 7-16=-532/304

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) Bearing at joint(s) 12 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 628 lb uplift at joint 19, 901 lb uplift at joint 2 and 355 lb uplift at joint 12.

LOAD CASE(S) Standard

OCT 15 2008

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

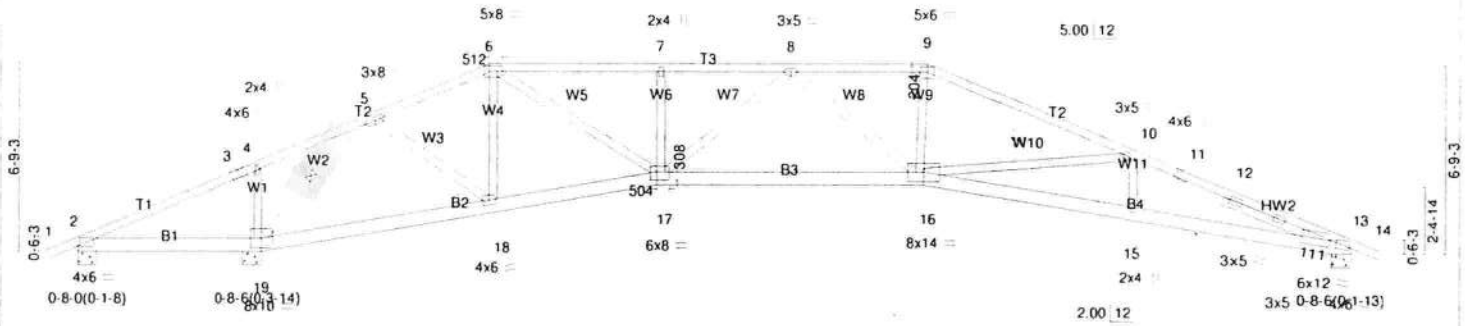
Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	HS5	SPECIAL	1	1	

Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:35 2008 Page 1

-1-0-0	6-8-6	10-10-3	15-0-0	21-1-8	26-0-12	31-0-0	38-4-4	46-0-0	47-0-0
1-0-0	6-8-6	4-1-13	4-1-13	6-1-8	4-11-4	4-11-4	7-4-4	7-7-12	1-0-0

Scale = 1:79.7



6-4-3	6-8-6	15-0-0	21-1-8	30-10-8	38-4-4	46-0-0
6-4-3	0-4-3	8-3-10	6-1-8	9-9-0	7-5-12	7-7-12

Plate Offsets (X,Y): [3:0-3-0,Edge], [6:0-5-12,0-2-8], [9:0-3-0,0-2-4], [11:0-3-0,Edge], [13:0-1-11,0-3-0], [13:0-0-0,0-0-0], [17:0-5-4,0-3-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.81	Vert(LL)	-0.35	16-17	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.76	Vert(TL)	-0.72	16-17	>654	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.65	Horz(TL)	-0.30	19	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 269 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
SLIDER Right 2 X 4 SYP No.2 4-0-13

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-9-3 oc bracing.
WEBS 1 Row at midpt 5-19

REACTIONS (lb/size) 13=1561/0-8-6, 19=3296/0-8-6, 2=-831/0-8-0
Max Horz 13=112(LC 6)
Max Uplift 13=-345(LC 7), 19=-666(LC 5), 2=-929(LC 11)
Max Grav 13=1561(LC 1), 19=3296(LC 1), 2=49(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 9-10=-3594/1160, 10-11=-4335/1394, 11-12=-4362/1386, 12-13=-4430/1377, 13-14=0/11, 6-7=-2803/1009, 7-8=-2802/1009, 8-9=-3309/1137, 1-2=0/14, 2-3=-784/2564, 3-4=-760/2617, 4-5=-636/2529, 5-6=-1283/508

BOT CHORD 15-16=-1167/4071, 13-15=-1164/4050, 16-17=-842/3157, 18-19=-201/111, 17-18=-178/1179, 2-19=-2325/800

WEBS 10-15=0/227, 8-16=-85/230, 8-17=-492/213, 6-17=-602/1970, 6-18=-844/365, 5-18=-348/1509, 5-19=-3371/1034, 4-19=-407/315, 7-17=-270/252, 9-16=-163/1024, 10-16=-722/349

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) Bearing at joint(s) 13 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 345 lb uplift at joint 13, 666 lb uplift at joint 19 and 929 lb uplift at joint 2.

LOAD CASE(S) Standard

OCT 15 2008

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

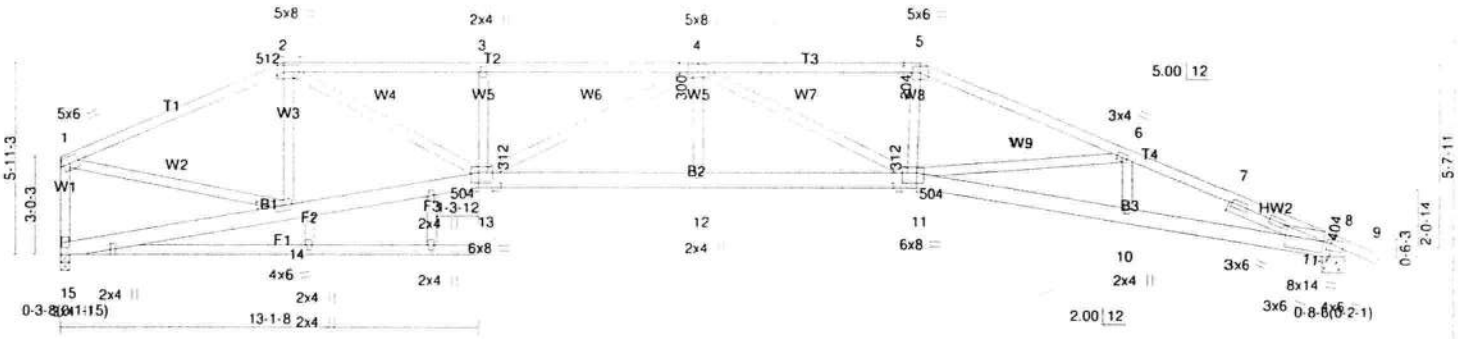
Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	HS6S	SPECIAL	1	1	

Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:36 2008 Page 1

7-0-0	13-1-8	20-0-12	33-4-4	40-0-0	41-0-0
7-0-0	6-1-8	6-11-4	13-3-8	6-7-12	1-0-0

Scale = 1:68.4



7-0-0	20-0-12	26-10-8	33-4-4	40-0-0
7-0-0	13-0-12	6-9-12	6-5-12	6-7-12

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.72	Vert(LL)	-0.46	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.82	Vert(TL)	-0.91	11-12	>522	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.68	Horz(TL)	-0.42	15	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 262 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except*
T4 2 X 4 SYP No.1D
BOT CHORD 2 X 6 SYP No.2 *Except*
F1 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.2
SLIDER Right 2 X 4 SYP No.2 3-2-6

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-1-12 oc bracing.
JOINTS 1 Brace at Jt(s): 14

REACTIONS (lb/size) 8=1764/0-8-6, 15=1698/0-3-8
Max Horz 8=-174(LC 7)
Max Uplift8=-352(LC 5), 15=-328(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 5-6=-4644/1622, 6-7=-5044/1691, 7-8=-5096/1680, 8-9=0/11, 2-3=-4312/1587, 3-4=-4312/1587, 4-5=-4311/1567, 1-2=-2478/875, 1-15=-1576/614
BOT CHORD 10-11=-1609/4680, 8-10=-1600/4653, 12-13=-1652/4884, 11-12=-1652/4883, 14-15=-69/137, 13-14=-736/2255
WEBS 6-10=0/167, 6-11=-340/245, 4-11=-811/246, 4-12=0/278, 4-13=-677/223, 2-13=-838/2415, 2-14=-546/351, 1-14=-685/2174, 3-13=-304/268, 5-11=-332/1419

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, 15 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 352 lb uplift at joint 8 and 328 lb uplift at joint 15.

LOAD CASE(S) Standard

OCT 15 2008

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

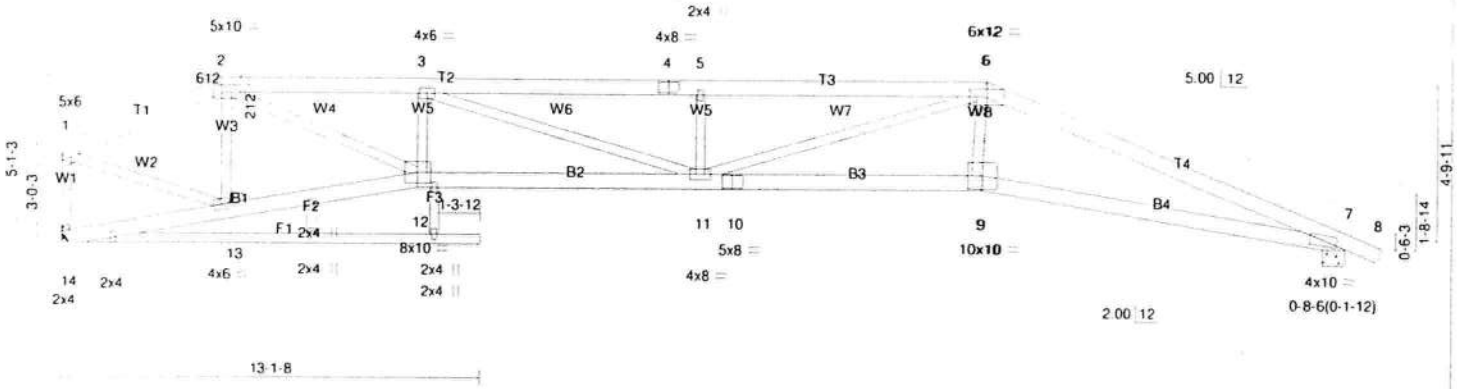
Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	HS7S	SPECIAL	1	1	

Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:37 2008 Page 1

5-0-0	11-1-8	20-0-12	29-0-0	34-4-4	40-0-0	41-0-0
5-0-0	6-1-8	8-11-4	8-11-4	5-4-4	5-7-12	1-0-0

Scale = 1:68.4



5-0-0	11-1-8	20-0-12	28-10-8	34-4-4	40-0-0
5-0-0	6-1-8	8-11-4	8-9-12	5-5-12	5-7-12

Plate Offsets (X,Y): [2:0-6-12,0-2-12], [7:0-0-0,0-0-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.56	Vert(LL)	-0.51	11-12	>934	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.80	Vert(TL)	-1.01	11-12	>468	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.73	Horz(TL)	-0.41	14	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 279 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.2
BOT CHORD 2 X 6 SYP No.2 *Except*
B4 2 X 6 SYP No.1D, F1 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-10-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-1-3 oc bracing.
JOINTS 1 Brace at Jt(s): 13

REACTIONS (lb/size) 7=1766/0-8-6, 14=1698/Mechanical
Max Horz 7=-164(LC 7)
Max Uplift7=-373(LC 5), 14=-353(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 6-7=-5276/1802, 7-8=0/16, 2-3=-4740/1736, 3-4=-5880/2139, 4-5=-5880/2139, 5-6=-5881/2139, 1-2=-2140/770, 1-14=-1611/612
BOT CHORD 7-9=-1682/4875, 11-12=-1663/4775, 10-11=-1655/4823, 9-10=-1655/4823, 13-14=-23/73, 12-13=-658/1954
WEBS 6-11=-409/1363, 5-11=-410/365, 3-11=-401/1190, 2-12=-1100/3134, 2-13=-790/404, 1-13=-683/2007, 3-12=-731/459, 6-9=-176/1241

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) 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 373 lb uplift at joint 7 and 353 lb uplift at joint 14.

LOAD CASE(S) Standard

OCT 15 2008

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

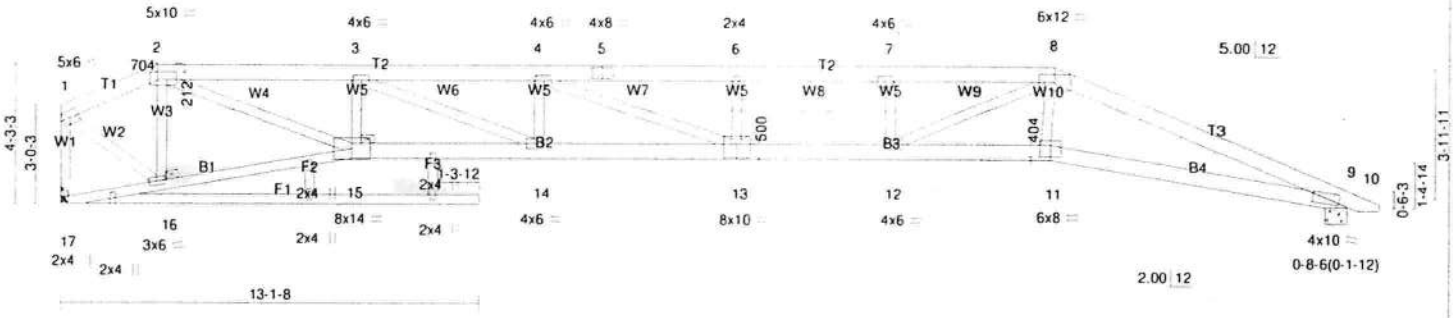
Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	HS8S	SPECIAL	1	1	

Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:38 2008 Page 1

3-0-0	9-1-8	16-5-0	23-8-8	31-0-0	35-4-4	40-0-0	41-0-0
3-0-0	6-1-8	7-3-8	7-3-8	7-3-8	4-4-4	4-7-12	1-0-0

Scale = 1:68.1



3-0-0	9-1-8	16-5-0	23-8-8	30-10-8	40-0-0
3-0-0	6-1-8	7-3-8	7-3-8	7-2-0	9-1-8

Plate Offsets (X,Y): [2:0-7-4,0-2-12], [9:0-0-0,0-0-0], [11:0-4-0,0-4-4], [13:0-5-0,0-5-0]

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)	-0.60	13-14	>790	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.80	Vert(TL)	-1.19	13-14	>398	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.84	Horz(TL)	-0.45	17	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 276 lb	

LUMBER

TOP CHORD 2 X 6 SYP No.2 *Except*
T2 2 X 6 SYP No.1D, T2 2 X 6 SYP No.1D
BOT CHORD 2 X 6 SYP No.1D *Except*
B1 2 X 4 SYP No.2, F1 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-0-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-6-1 oc bracing.
JOINTS 1 Brace at Jt(s): 15, 16

REACTIONS (lb/size) 9=1745/0-8-6, 17=1699/Mechanical
Max Horz 9=-140(LC 7)
Max Uplift9=-372(LC 5), 17=-378(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 8-9=-5394/1884, 9-10=0/8, 2-3=-4787/1754, 3-4=-6560/2397, 4-5=-6954/2537, 5-6=-6954/2537, 6-7=-6952/2535, 7-8=-6265/2286, 1-2=-1542/560, 1-17=-1672/609
BOT CHORD 9-11=-1775/4974, 14-15=-1726/4839, 13-14=-2340/6560, 12-13=-2229/6265, 11-12=-1751/4935, 16-17=-6/28, 15-16=-489/1408
WEBS 3-15=-972/509, 2-15=-1315/3682, 2-16=-1073/510, 1-16=-620/1759, 4-14=-433/312, 3-14=-667/1873, 6-13=-267/252, 4-13=-150/432, 7-12=-559/273, 7-13=-278/814, 8-11=-213/1139, 8-12=-530/1644

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) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 372 lb uplift at joint 9 and 378 lb uplift at joint 17.

LOAD CASE(S) Standard

OCT 15 2008

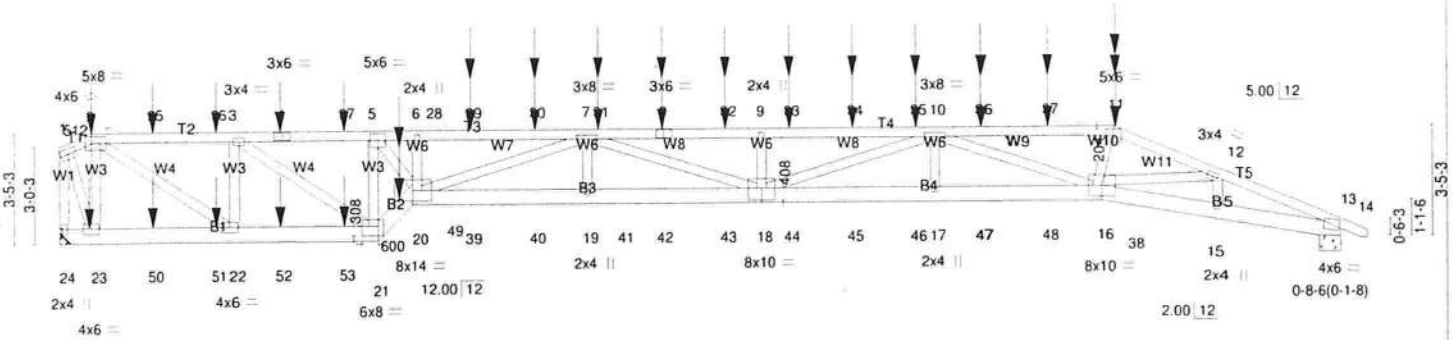
TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	HSGRD1S	SPECIAL	1	3	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:39 2008 Page 1

1-0-0	5-6-0	10-0-0	11-1-6	16-7-0	22-0-11	27-6-5	33-0-0	36-2-7	40-0-0	41-0-0
1-0-0	4-6-0	4-6-0	1-1-6	5-5-11	5-5-11	5-5-11	5-5-11	3-2-7	3-9-9	1-0-0

Scale = 1:68.4



5-6-0	10-0-0	11-1-6	16-7-0	22-0-11	27-6-5	32-7-8	36-2-7	40-0-0
5-6-0	4-6-0	1-1-6	5-5-11	5-5-11	5-5-11	5-1-3	3-6-15	3-9-9

Plate Offsets (X,Y): [2:0-5-12,0-2-8], [11:0-3-0,0-2-4], [13:0-0-0,0-0-0], [18:0-5-0,0-4-8], [21:0-6-0,0-3-8]

LOADING (psf)		SPACING	1-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.52	Vert(LL)	0.67	18-19	>711	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.89	Vert(TL)	-1.31	18-19	>361	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.50	Horz(TL)	-0.36	24	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 732 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 5-9-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 13=2856/0-8-6, 24=2901/Mechanical
Max Horz 13=-64(LC 6)
Max Uplift13=-1416(LC 6), 24=-1181(LC 5)
Max Grav 13=2856(LC 1), 24=2923(LC 9)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 11-12=-9708/4864, 12-13=-8367/4164, 13-14=0/3, 2-25=-4439/1851, 25-26=-4439/1851, 3-26=-4439/1851, 3-4=-7307/3141, 4-27=-7307/3141, 5-27=-7307/3141, 5-28=-11743/5108, 6-28=-11743/5108, 6-29=-11743/5108, 29-30=-11743/5108, 7-30=-11743/5108, 7-31=-14903/6806, 8-31=-14903/6806, 8-32=-14903/6806, 9-32=-14903/6806, 9-33=-14903/6806, 33-34=-14903/6806, 34-35=-14903/6806, 10-35=-14903/6806, 10-36=-9587/4804, 36-37=-9587/4804, 11-37=-9587/4804, 1-2=-1102/453, 1-24=-2820/1153
BOT CHORD 16-38=-3872/7642, 15-38=-3791/7534, 13-15=-3776/7503, 20-39=-6576/14760, 39-40=-6576/14760, 19-40=-6576/14760, 19-41=-6576/14760, 41-42=-6576/14760, 42-43=-6576/14760, 18-43=-6576/14760, 18-44=-6277/13314, 44-45=-6277/13314, 45-46=-6277/13314, 17-46=-6277/13314, 17-47=-6277/13314, 47-48=-6277/13314, 16-48=-6277/13314, 21-49=-3678/8640, 20-49=-3674/8702, 23-24=-49/120, 23-50=-350/867, 50-51=-350/867, 22-51=-350/867, 22-52=-1846/4438, 52-53=-1847/4440, 21-53=-1848/4441
WEBS 12-15=-183/105, 12-16=-814/1621, 10-16=-4017/1598, 10-17=0/415, 10-18=-572/1715, 9-18=-386/364, 7-18=-239/152, 7-19=-57/590, 7-20=-3213/1568, 6-20=-247/302, 5-20=-3597/8135, 5-21=-6757/2891, 3-21=-1552/3450, 3-22=-2249/918, 2-23=-2116/806, 1-23=-973/2432, 2-22=-1813/4322, 11-16=-1599/3423

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 0-8-0 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.

Continued on page 2

OCT 15 2008

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

NOTES

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) Refer to girder(s) for truss to truss connections.
8) Bearing at joint(s) 13 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1416 lb uplift at joint 13 and 1181 lb uplift at joint 24.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 119 lb down and 114 lb up at 33-0-0, 108 lb down and 122 lb up at 30-11-4, 108 lb down and 122 lb up at 28-11-4, 108 lb down and 122 lb up at 26-11-4, 108 lb down and 122 lb up at 24-11-4, 108 lb down and 122 lb up at 22-11-4, 108 lb down and 122 lb up at 20-11-4, 108 lb down and 122 lb up at 18-11-4, 108 lb down and 122 lb up at 16-11-4, 108 lb down and 122 lb up at 14-11-4, 108 lb down and 122 lb up at 12-11-4, 108 lb down and 122 lb up at 10-11-4, 86 lb down and 1 lb up at 8-11-4, 86 lb down and 1 lb up at 6-11-4, 86 lb down and 1 lb up at 4-11-4, and 86 lb down and 1 lb up at 2-11-4, and 118 lb down and 1 lb up at 1-0-0 on top chord, and 690 lb down and 518 lb up at 33-0-0, 98 lb down at 30-11-4, 98 lb down at 28-11-4, 98 lb down at 26-11-4, 98 lb down at 24-11-4, 98 lb down at 22-11-4, 98 lb down at 20-11-4, 98 lb down at 18-11-4, 98 lb down at 16-11-4, 98 lb down at 14-11-4, 98 lb down at 12-11-4, 98 lb down at 10-11-4, 105 lb down and 84 lb up at 8-11-4, 105 lb down and 84 lb up at 6-11-4, 105 lb down and 84 lb up at 4-11-4, and 105 lb down and 84 lb up at 2-11-4, and 105 lb down and 84 lb up at 0-11-4 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: 11-14=-23, 2-11=-23, 1-2=-23, 13-16=-20, 16-20=-20, 20-21=-20, 21-24=-20
   Concentrated Loads (lb)
   Vert: 11=-119(B) 8=-108(B) 2=-86(B) 16=-90(B) 4=-86(B) 23=-105(B) 25=-86(B) 26=-86(B) 27=-86(B) 28=-108(B) 29=-108(B) 30=-108(B) 31=-108(B) 32=-108(B) 33=-108(B) 34=-108(B) 35=-108(B) 36=-108(B) 37=-108(B) 38=-599(B) 39=-98(B) 40=-98(B) 41=-98(B) 42=-98(B) 43=-98(B) 44=-98(B) 45=-98(B) 46=-98(B) 47=-98(B) 48=-98(B) 49=-98(B) 50=-105(B) 51=-105(B) 52=-105(B) 53=-105(B)

TOMAS PONCE
LICENSE
No. 50068
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

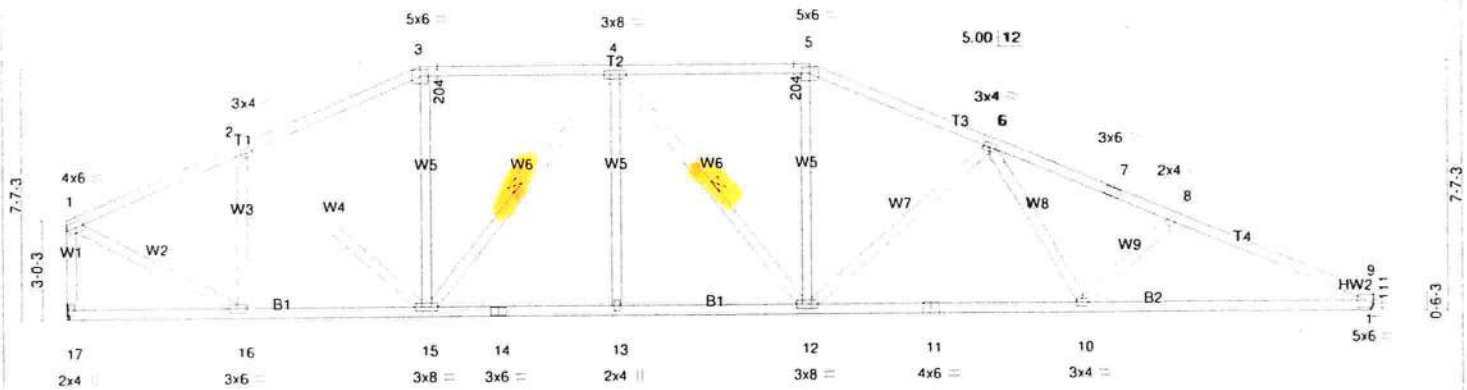
OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	H1S	HIP	1	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:10 2008 Page 1

5-5-8	11-0-0	17-0-0	23-0-0	28-5-8	33-11-1	40-0-0
5-5-8	5-6-8	6-0-0	6-0-0	5-5-9	5-5-9	6-0-15

Scale = 1:67.3



5-5-8	11-0-0	17-0-0	23-0-0	31-2-4	40-0-0
5-5-8	5-6-8	6-0-0	6-0-0	8-2-4	8-9-12

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.59	Vert(LL)	-0.26	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.91	Vert(TL)	-0.54	10-12	>889	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.56	Horz(TL)	-0.15	17	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 236 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
WEDGE
Right: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-8-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-9-8 oc bracing.
WEBS 1 Row at midpt 4-12, 4-15

REACTIONS (lb/size) 9=1711/Mechanical, 17=1711/Mechanical
Max Horz 9=-184(LC 7)
Max Uplift9=-306(LC 7), 17=-281(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 5-6=-2548/946, 6-7=-3318/1112, 7-8=-3371/1095, 8-9=-3545/1185, 3-4=-1897/782, 4-5=-2323/922, 1-2=-1799/620, 2-3=-2091/796, 1-17=-1604/584
BOT CHORD 16-17=-28/71, 15-16=-515/1617, 14-15=-718/2305, 13-14=-718/2305, 12-13=-718/2305, 11-12=-934/2788, 10-11=-934/2788, 9-10=-1137/3198
WEBS 8-10=-191/234, 6-10=-67/578, 6-12=-646/304, 5-12=-125/690, 4-12=-129/87, 4-13=0/217, 4-15=-725/235, 3-15=-67/521, 2-15=-72/431, 2-16=-593/330, 1-16=-550/1744

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 306 lb uplift at joint 9 and 281 lb uplift at joint 17.

LOAD CASE(S) Standard

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

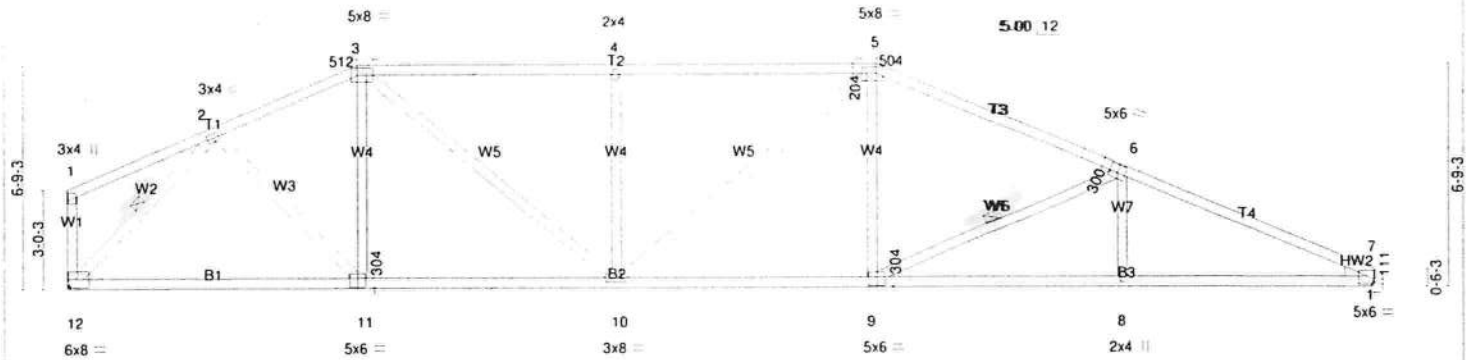
OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	H2S	HIP	1	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:11 2008 Page 1

4-7-12	9-0-0	17-0-0	25-0-0	32-4-11	40-0-0
4-7-12	4-4-4	8-0-0	8-0-0	7-4-11	7-7-5

Scale = 1:67.3



9-0-0	17-0-0	25-0-0	32-4-11	40-0-0
9-0-0	8-0-0	8-0-0	7-4-11	7-7-5

Plate Offsets (X,Y): [3:0-5-12,0-2-8], [5:0-5-4,0-2-4], [6:0-3-0,0-3-0], [7:0-0-1,0-1-11], [9:0-3-0,0-3-4], [11:0-3-0,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.69	Vert(LL)	-0.26	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.93	Vert(TL)	-0.54	9-10	>880	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.56	Horz(TL)	-0.16	12	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 218 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
WEDGE
Right: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-7-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 6-9, 2-12

REACTIONS (lb/size) 7=1711/Mechanical, 12=1711/Mechanical
Max Horz 7=-171(LC 7)
Max Uplift7=-290(LC 7), 12=-306(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 5-6=-2797/1008, 6-7=-3576/1172, 3-4=-2636/1039, 4-5=-2636/1039, 1-2=-187/52, 2-3=-2079/777, 1-12=-177/100
BOT CHORD 11-12=-496/1421, 10-11=-586/1892, 9-10=-819/2534, 8-9=-1112/3222, 7-8=-1112/3222
WEBS 6-8=0/334, 6-9=-773/323, 5-9=-37/622, 5-10=-72/290, 4-10=-392/356, 3-10=-360/1012, 3-11=-160/201, 2-11=-134/717, 2-12=-1873/721

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 290 lb uplift at joint 7 and 306 lb uplift at joint 12.

LOAD CASE(S) Standard

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

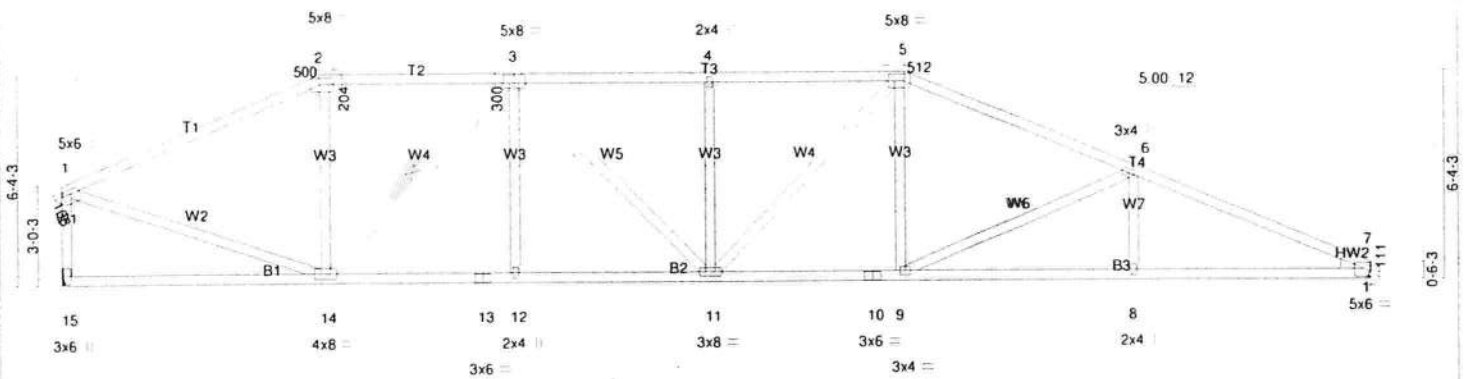
OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	H3S	HIP	1	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:12 2008 Page 1

8-0-0	14-0-0	20-0-0	26-0-0	32-10-11	40-0-0
8-0-0	6-0-0	6-0-0	6-0-0	6-10-11	7-1-5

Scale = 1:67.3



8-0-0	14-0-0	20-0-0	26-0-0	32-10-11	40-0-0
8-0-0	6-0-0	6-0-0	6-0-0	6-10-11	7-1-5

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.58	Vert(LL)	-0.24	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.89	Vert(TL)	-0.50	8-9	>962	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.64	Horz(TL)	-0.16	15	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 224 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
WEDGE
Right: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-9-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-8-13 oc bracing.
WEBS 1 Row at midpt 3-14

REACTIONS (lb/size) 7=1711/Mechanical, 15=1711/Mechanical
Max Horz 7=-165(LC 7)
Max Uplift7=-285(LC 4), 15=-319(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 5-6=-2878/1039, 6-7=-3603/1188, 2-3=-1864/755, 3-4=-2849/1105, 4-5=-2849/1105, 1-2=-2079/747, 1-15=-1545/618
BOT CHORD 14-15=-63/161, 13-14=-860/2586, 12-13=-860/2586, 11-12=-860/2586, 10-11=-861/2611, 9-10=-861/2611, 8-9=-1132/3246, 7-8=-1132/3246
WEBS 6-8=0/318, 6-9=-714/298, 5-9=-44/548, 5-11=-128/467, 4-11=-288/255, 3-11=-129/401, 3-12=0/223, 3-14=-1102/372, 2-14=0/524, 1-14=-571/1791

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 285 lb uplift at joint 7 and 319 lb uplift at joint 15.

LOAD CASE(S) Standard

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

OCT 15 2008

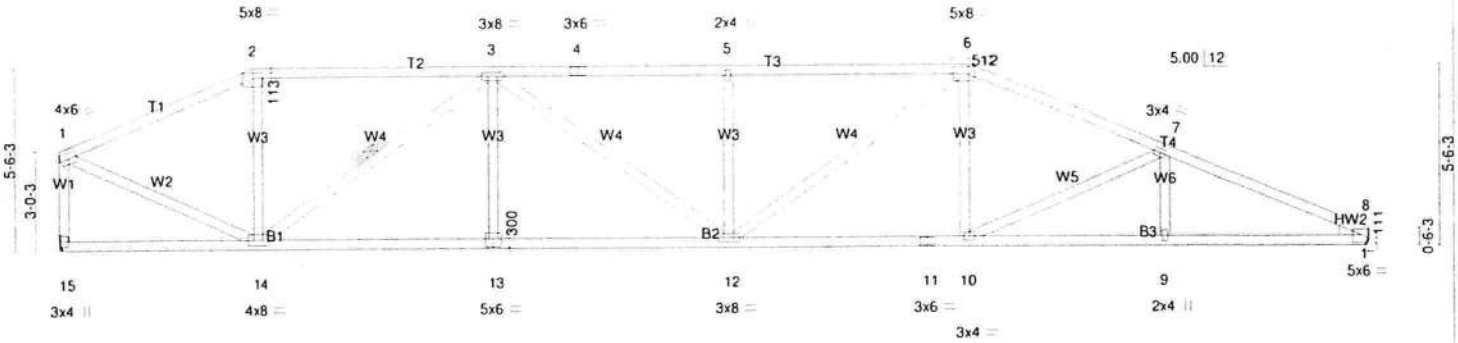
Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	H4S	HIP	1	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida

7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:13 2008 Page 1

6-0-0	13-4-9	20-7-7	28-0-0	33-10-11	40-0-0
6-0-0	7-4-9	7-2-13	7-4-9	5-10-11	6-1-5

Scale = 1:67.3



6-0-0	13-4-9	20-7-7	28-0-0	33-10-11	40-0-0
6-0-0	7-4-9	7-2-13	7-4-9	5-10-11	6-1-5

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.43	Vert(LL)	-0.30	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.82	Vert(TL)	-0.61	10-12	>786	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.50	Horz(TL)	-0.18	15	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
WEDGE
Right: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-11-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-8-12 oc bracing.
WEBS 1 Row at midpt 3-14

REACTIONS (lb/size) 8=1711/Mechanical, 15=1711/Mechanical
Max Horz 8=-152(LC 7)
Max Uplift8=-303(LC 4), 15=-344(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 6-7=-3074/1107, 7-8=-3625/1212, 2-3=-1729/692, 3-4=-3325/1265, 4-5=-3325/1265, 5-6=-3325/1265, 1-2=-1908/692, 1-15=-1599/615
BOT CHORD 14-15=-28/72, 13-14=-1023/2963, 12-13=-1023/2963, 11-12=-958/2806, 10-11=-958/2806, 9-10=-1160/3263, 8-9=-1160/3263
WEBS 7-9=0/255, 7-10=-519/223, 6-10=-12/485, 6-12=-235/748, 5-12=-346/317, 3-12=-157/467, 3-13=0/292, 3-14=-1559/549, 2-14=0/456, 1-14=-606/1813

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 303 lb uplift at joint 8 and 344 lb uplift at joint 15.

LOAD CASE(S) Standard

TOMAS PONCE
LICENSE
No. 50068
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

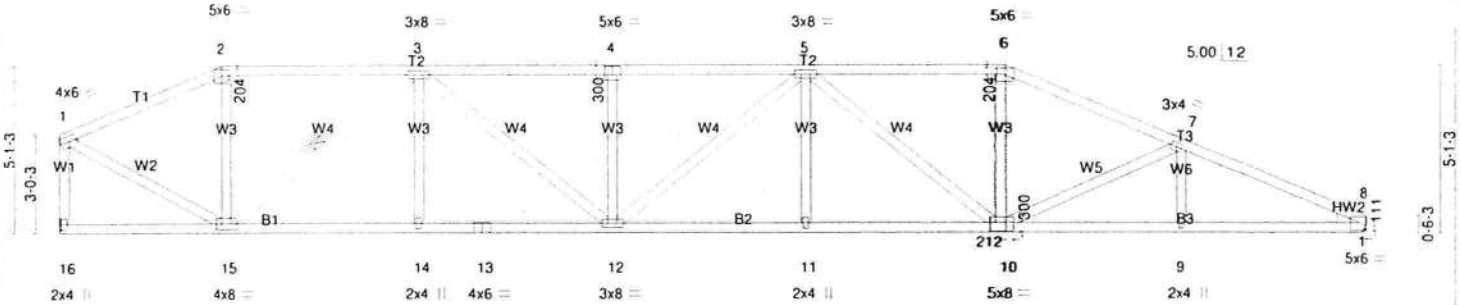
OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	H5S	HIP	1	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:14 2008 Page 1

5-0-0	11-0-14	17-0-0	22-11-2	29-0-0	34-4-11	40-0-0
5-0-0	6-0-14	5-11-2	5-11-2	6-0-14	5-4-11	5-7-5

Scale = 1:67.3



5-0-0	11-0-14	17-0-0	22-11-2	29-0-0	34-4-11	40-0-0
5-0-0	6-0-14	5-11-2	5-11-2	6-0-14	5-4-11	5-7-5

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.36	Vert(LL)	-0.31	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.78	Vert(TL)	-0.62	11-12	>773	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.78	Horz(TL)	-0.19	16	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 222 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
WEDGE
Right: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-8-12 oc bracing.
WEBS 1 Row at midpt 3-15

REACTIONS (lb/size) 8=1711/Mechanical, 16=1711/Mechanical
Max Horz 8=-146(LC 7)
Max Uplift8=-312(LC 4), 16=-356(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 6-7=-3162/1137, 7-8=-3636/1224, 2-3=-1600/638, 3-4=-3504/1324, 4-5=-3504/1324, 5-6=-2876/1094, 1-2=-1759/642, 1-16=-1616/615
BOT CHORD 15-16=-20/52, 14-15=-1003/2871, 13-14=-1003/2871, 12-13=-1003/2871, 11-12=-1232/3515, 10-11=-1232/3515, 9-10=-1176/3271, 8-9=-1176/3271
WEBS 7-9=0/229, 7-10=-438/200, 6-10=-199/928, 5-10=-904/296, 5-11=0/241, 5-12=-29/59, 4-12=-269/251, 3-12=-290/827, 3-14=0/240, 3-15=-1662/592, 2-15=-10/451, 1-15=-597/1755

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 312 lb uplift at joint 8 and 356 lb uplift at joint 16.

LOAD CASE(S) Standard

TOMAS PONCE
LICENSE
No. 50068
STATE OF FLORIDA
PROFESSIONAL ENGINEER

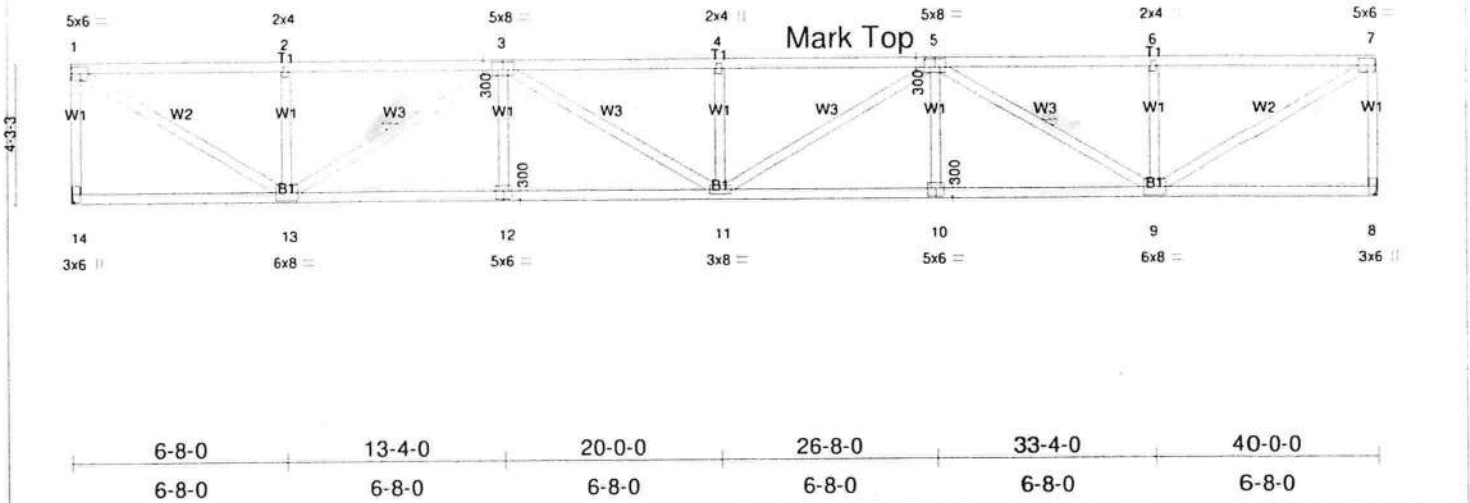
OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	B1	SPECIAL	1	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:03 2008 Page 1

6-8-0	13-4-0	20-0-0	26-8-0	33-4-0	40-0-0
6-8-0	6-8-0	6-8-0	6-8-0	6-8-0	6-8-0

Scale = 1:67.5



6-8-0	13-4-0	20-0-0	26-8-0	33-4-0	40-0-0
6-8-0	6-8-0	6-8-0	6-8-0	6-8-0	6-8-0

Plate Offsets (X,Y): [3:0-4-0,0-3-0], [5:0-4-0,0-3-0], [10:0-3-0,0-3-0], [12:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.70	Vert(LL)	-0.40	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.83	Vert(TL)	-0.80	11-12	>597	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.86	Horz(TL)	0.18	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 223 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 2-9-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-4-0 oc bracing.
WEBS 1 Row at midpt 3-13, 5-9

REACTIONS (lb/size) 14=1707/Mechanical, 8=1707/Mechanical
Max Uplift14=-418(LC 4), 8=-418(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-14=-1577/646, 1-2=-2415/872, 2-3=-2415/872, 3-4=-4336/1565, 4-5=-4336/1565, 5-6=-2415/872, 6-7=-2415/872, 7-8=-1577/646
BOT CHORD 13-14=-25/68, 12-13=-1393/3856, 11-12=-1393/3856, 10-11=-1393/3856, 9-10=-1393/3856, 8-9=-25/68
WEBS 1-13=-992/2749, 2-13=-307/297, 3-13=-1677/606, 3-12=0/266, 3-11=-201/559, 4-11=-306/288, 5-11=-201/559, 5-10=0/266, 5-9=-1677/606, 6-9=-307/297, 7-9=-992/2749

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 418 lb uplift at joint 14 and 418 lb uplift at joint 8.

LOAD CASE(S) Standard

TOMAS PONCE
LICENSE
No. 50068
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	BGRD1	SPECIAL	1	2	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida

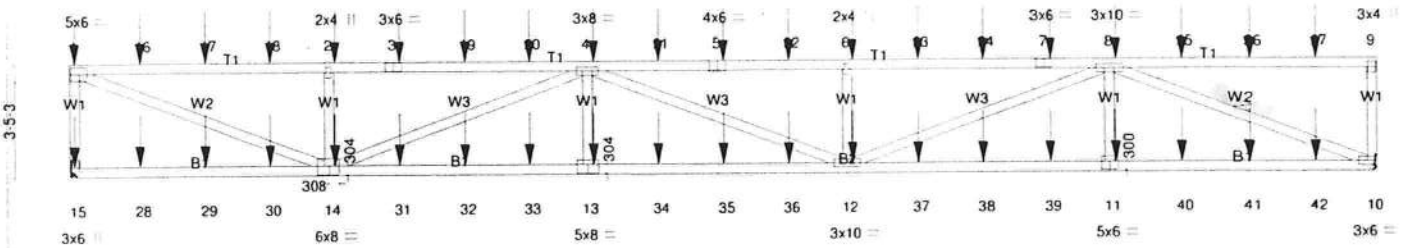
7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:05 2008 Page 1

8-0-0 | 16-0-0 | 24-0-0 | 32-0-0 | 40-0-0

8-0-0 | 8-0-0 | 8-0-0 | 8-0-0 | 8-0-0

Scale = 1:67.5

Mark Top



8-0-0 | 16-0-0 | 24-0-0 | 32-0-0 | 40-0-0

8-0-0 | 8-0-0 | 8-0-0 | 8-0-0 | 8-0-0

Plate Offsets (X,Y): [5:0-3-0,Edge], [11:0-3-0,0-3-0], [13:0-4-0,0-3-4], [14:0-3-8,0-3-4]

LOADING (psf)		SPACING	1-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.83	Vert(LL)	0.75	12-13	>635	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.82	Vert(TL)	-1.10	12-13	>432	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.87	Horz(TL)	0.18	10	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 410 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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-7-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-2-0 oc bracing.
WEBS 1 Row at midpt 8-10

REACTIONS (lb/size) 15=3030/Mechanical, 10=2848/Mechanical
Max Uplift15=-1833(LC 9), 10=-1697(LC 9)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-15=-2676/1670, 1-16=-6079/3645, 16-17=-6079/3645, 17-18=-6079/3645, 2-18=-6079/3645, 2-3=-6079/3645, 3-19=-6079/3645, 19-20=-6079/3645, 4-20=-6079/3645, 4-21=-9072/5440, 5-21=-9072/5440, 5-22=-9072/5440, 6-22=-9072/5440, 6-23=-9072/5440, 23-24=-9072/5440, 7-24=-9072/5440, 7-8=-9072/5440, 8-25=-228/137, 25-26=-228/137, 26-27=-228/137, 9-27=-228/137, 9-10=-250/195
BOT CHORD 15-28=-137/229, 28-29=-137/229, 29-30=-137/229, 14-30=-137/229, 14-31=-5446/9081, 31-32=-5446/9081, 32-33=-5446/9081, 13-33=-5446/9081, 13-34=-5446/9081, 34-35=-5446/9081, 35-36=-5446/9081, 12-36=-5446/9081, 12-37=-3644/6078, 37-38=-3644/6078, 38-39=-3644/6078, 11-39=-3644/6078, 11-40=-3644/6078, 40-41=-3644/6078, 41-42=-3644/6078, 10-42=-3644/6078
WEBS 1-14=-3778/6301, 2-14=-569/466, 4-14=-3225/1934, 4-13=-243/603, 4-12=-9/6, 6-12=-574/463, 8-12=-1930/3216, 8-11=-235/595, 8-10=-6301/3777

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 4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-02; 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.
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 1833 lb uplift at joint 15 and 1697 lb uplift at joint 10.

TOMAS PONCE LICENSE No 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

OCT 15 2008

Continued on page 2

NOTES

8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 98 lb down and 83 lb up at 0-1-12, 98 lb down and 83 lb up at 2-2-4, 98 lb down and 83 lb up at 4-2-4, 98 lb down and 83 lb up at 6-2-4, 98 lb down and 83 lb up at 8-2-4, 98 lb down and 83 lb up at 10-2-4, 98 lb down and 83 lb up at 12-2-4, 98 lb down and 83 lb up at 14-2-4, 98 lb down and 83 lb up at 16-2-4, 98 lb down and 83 lb up at 18-2-4, 98 lb down and 83 lb up at 20-2-4, 98 lb down and 83 lb up at 22-2-4, 98 lb down and 83 lb up at 24-2-4, 98 lb down and 83 lb up at 26-2-4, 98 lb down and 83 lb up at 28-2-4, 98 lb down and 83 lb up at 30-2-4, 98 lb down and 83 lb up at 32-2-4, 98 lb down and 83 lb up at 34-2-4, and 98 lb down and 83 lb up at 36-2-4, and 98 lb down and 83 lb up at 38-2-4 on top chord, and 110 lb down and 72 lb up at 0-1-12, 110 lb down and 72 lb up at 2-2-4, 110 lb down and 72 lb up at 4-2-4, 110 lb down and 72 lb up at 6-2-4, 110 lb down and 72 lb up at 8-2-4, 110 lb down and 72 lb up at 10-2-4, 110 lb down and 72 lb up at 12-2-4, 110 lb down and 72 lb up at 14-2-4, 110 lb down and 72 lb up at 16-2-4, 110 lb down and 72 lb up at 18-2-4, 110 lb down and 72 lb up at 20-2-4, 110 lb down and 72 lb up at 22-2-4, 110 lb down and 72 lb up at 24-2-4, 110 lb down and 72 lb up at 26-2-4, 110 lb down and 72 lb up at 28-2-4, 110 lb down and 72 lb up at 30-2-4, 110 lb down and 72 lb up at 32-2-4, 110 lb down and 72 lb up at 34-2-4, and 110 lb down and 72 lb up at 36-2-4, and 110 lb down and 72 lb up at 38-2-4 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: 1-9=-23, 10-15=-20
   Concentrated Loads (lb)
   Vert: 15=-110(F) 1=-98(F) 3=-98(F) 14=-110(F) 2=-98(F) 4=-98(F) 13=-110(F) 6=-98(F) 12=-110(F) 11=-110(F) 8=-98(F) 5=-98(F) 7=-98(F) 16=-98(F) 17=-98(F) 18=-98(F) 19=-98(F) 20=-98(F) 21=-98(F) 22=-98(F) 23=-98(F) 24=-98(F) 25=-98(F) 26=-98(F) 27=-98(F) 28=-110(F) 29=-110(F) 30=-110(F) 31=-110(F) 32=-110(F) 33=-110(F) 34=-110(F) 35=-110(F) 36=-110(F) 37=-110(F) 38=-110(F) 39=-110(F) 40=-110(F) 41=-110(F) 42=-110(F)

TOMAS PONCE
LICENSE
No. 50068
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

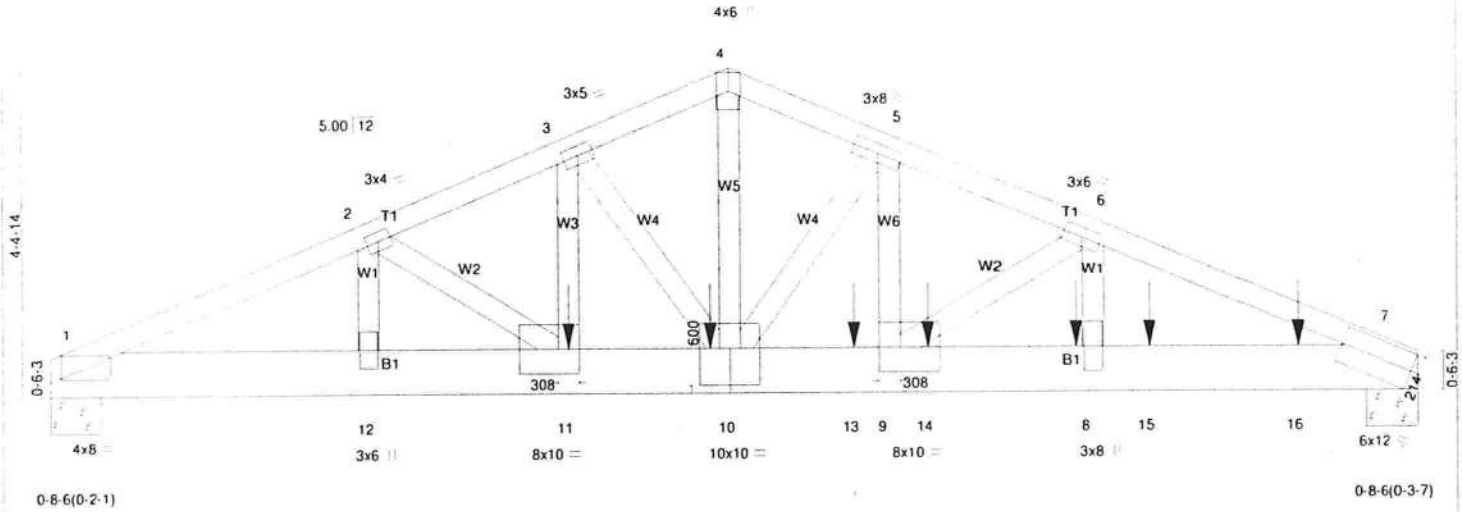
OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	GRD1	COMMON	2	3	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:08 2008 Page 1

4-4-7	7-1-8	9-4-0	14-3-9	18-8-0
4-4-7	2-9-1	2-2-8	4-11-9	4-4-7

Scale = 1:30.0



4-4-7	7-1-8	9-4-0	14-3-9	18-8-0
4-4-7	2-9-1	2-2-8	4-11-9	4-4-7

Plate Offsets (X,Y): [7:Edge,0-2-14], [9:0-3-8,0-4-0], [10:0-5-0,0-6-0], [11:0-3-8,0-4-0]

LOADING (psf)		SPACING	1-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.57	Vert(LL)	-0.16	9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.87	Vert(TL)	-0.29	9	>736	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.57	Horz(TL)	0.06	7	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 371 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP No.1D
WEBS 2 X 4 SYP No.2 *Except*
W3 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-10-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=6166/0-8-6, 7=10143/0-8-6
Max Horz 1=-30(LC 6)
Max Uplift1=-2521(LC 5), 7=-3632(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-13584/5585, 2-3=-14213/5864, 3-4=-12490/4956, 4-5=-12494/4957, 5-6=-15481/5858, 6-7=-19008/6918
BOT CHORD 1-12=-5069/12296, 11-12=-5069/12296, 10-11=-5386/13101, 10-13=-5360/14279, 9-13=-5360/14279, 9-14=-6252/17227, 8-14=-6252/17227, 8-15=-6252/17227, 15-16=-6252/17227, 7-16=-6252/17227
WEBS 2-12=-375/177, 4-10=-3664/9255, 5-10=-4577/1407, 6-8=-1210/3974, 3-11=-1521/2862, 2-11=-418/1024, 3-10=-2579/1412, 5-9=-1506/4936, 6-9=-3574/1088

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 8 - 4 rows at 0-4-0 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 2521 lb uplift at joint 1 and 3632 lb uplift at joint 7.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 4002 lb down and 2065 lb up at 7-1-8, 1826 lb down and 789 lb up at 9-0-12, 1910 lb down and 622 lb up at 11-0-12, 1932 lb down and 608 lb up at 12-0-12, 1943 lb down and 627 lb up at 14-0-12, and 1945 lb down and 637 lb up at 15-0-12, and 1976 lb down and 656 lb up at 17-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

TOMAS PONCE LICENSE No 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

OCT 15 2008

Continued on page 2

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-23, 4-7=-23, 1-7=-20
   Concentrated Loads (lb)
   Vert: 10=-1826(F) 8=-1943(F) 11=-4002(F) 13=-1910(F) 14=-1932(F) 15=-1945(F) 16=-1976(F)

TOMAS PONCE
LICENSE
No. 50068
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	T1	COMMON	6	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida

7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:53 2008 Page 1

-1-0-0	4-9-5	9-4-0	13-10-11	18-8-0	19-8-0
1-0-0	4-9-5	4-6-11	4-6-11	4-9-5	1-0-0

Scale = 1:33.2

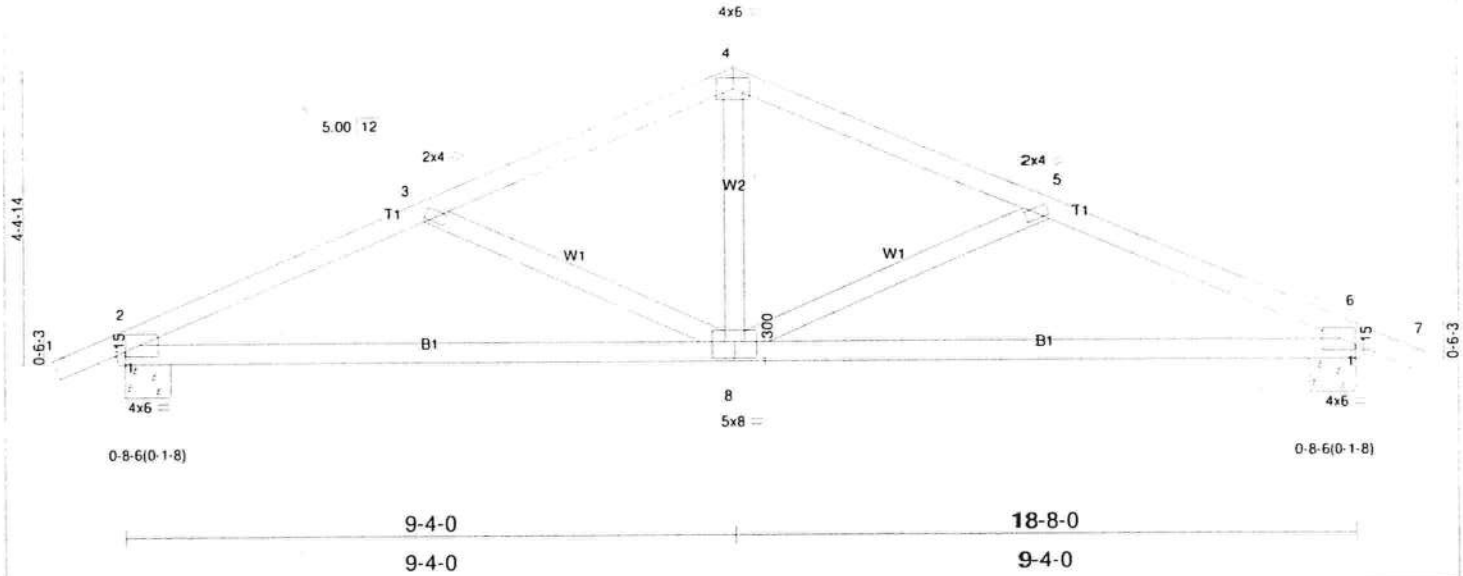


Plate Offsets (X,Y): [2:0-0-1,0-0-15], [6:0-0-1,0-0-15], [8:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.27	Vert(LL)	-0.13	6-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.62	Vert(TL)	-0.30	6-8	>713	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.11	Horz(TL)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 82 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-1-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=838/0-8-6, 6=838/0-8-6
Max Horz 2=73(LC 6)
Max Uplift2=-230(LC 6), 6=-230(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/10, 2-3=-1276/426, 3-4=-1056/313, 4-5=-1056/313, 5-6=-1276/426, 6-7=0/10
BOT CHORD 2-8=-293/1131, 6-8=-293/1131
WEBS 3-8=-246/193, 4-8=-37/573, 5-8=-246/193

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 230 lb uplift at joint 2 and 230 lb uplift at joint 6.

LOAD CASE(S) Standard

TOMAS PONCE
LICENSE
No. 50068
STATE OF FLORIDA
PROFESSIONAL ENGINEER

OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	G1	GABLE	1	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:06 2008 Page 1

-1-0-0 | 9-4-0 | 18-8-0

1-0-0 | 9-4-0 | 9-4-0

Scale: 3/8"=1'

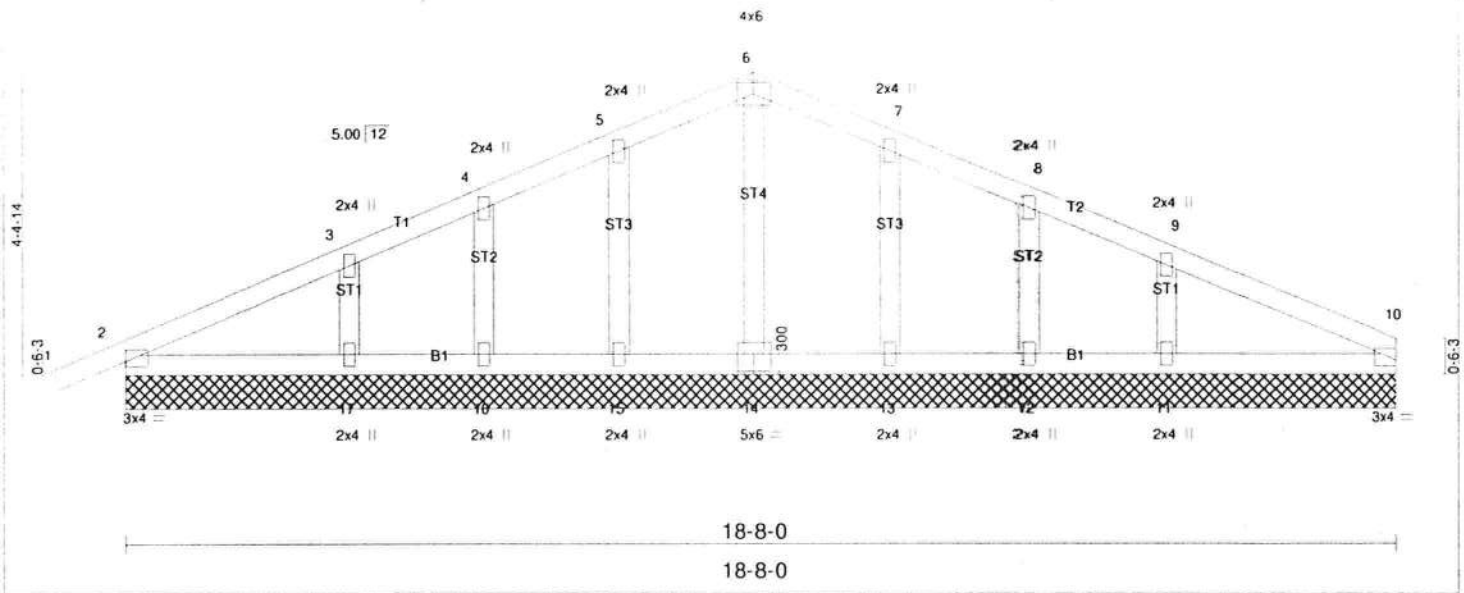


Plate Offsets (X,Y): [14:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.10	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	0.01	1	n/r	120		
BCLL	10.0	Rep Stress Incr	NO	WB	0.03	Horz(TL)	0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 85 lb	

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

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

REACTIONS (lb/size) 10=121/18-8-0, 2=179/18-8-0, 14=160/18-8-0, 15=183/18-8-0, 16=132/18-8-0, 17=277/18-8-0, 13=185/18-8-0, 12=125/18-8-0, 11=293/18-8-0
Max Horz 2=93(LC 6)
Max Uplift10=-32(LC 7), 2=-115(LC 6), 15=-102(LC 6), 16=-82(LC 6), 17=-151(LC 6), 13=-104(LC 7), 12=-71(LC 7), 11=-176(LC 7)
Max Grav 10=121(LC 1), 2=179(LC 1), 14=160(LC 1), 15=187(LC 10), 16=132(LC 1), 17=277(LC 10), 13=188(LC 11), 12=125(LC 1), 11=293(LC 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/10, 2-3=-76/34, 3-4=-32/89, 4-5=-24/122, 5-6=-26/179, 6-7=-26/180, 7-8=-24/120, 8-9=-33/70, 9-10=-46/33
BOT CHORD 2-17=0/83, 16-17=0/83, 15-16=0/83, 14-15=0/83, 13-14=0/83, 12-13=0/83, 11-12=0/83, 10-11=0/83
WEBS 6-14=-83/0, 5-15=-101/137, 4-16=-72/119, 3-17=-145/197, 7-13=-101/139, 8-12=-69/112, 9-11=-153/213

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
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) Gable studs spaced at 2-0-0 oc.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 32 lb uplift at joint 10, 115 lb uplift at joint 2, 102 lb uplift at joint 15, 82 lb uplift at joint 16, 151 lb uplift at joint 17, 104 lb uplift at joint 13, 71 lb uplift at joint 12 and 176 lb uplift at joint 11.

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

OCT 15 2008

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	H6	HIP	1	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida

7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:15 2008 Page 1

-1-0-0	4-7-5	9-0-0	9-8-0	14-0-11	18-8-0	19-8-0
1-0-0	4-7-5	4-4-11	0-8-0	4-4-11	4-7-5	1-0-0

Scale = 1:33.7

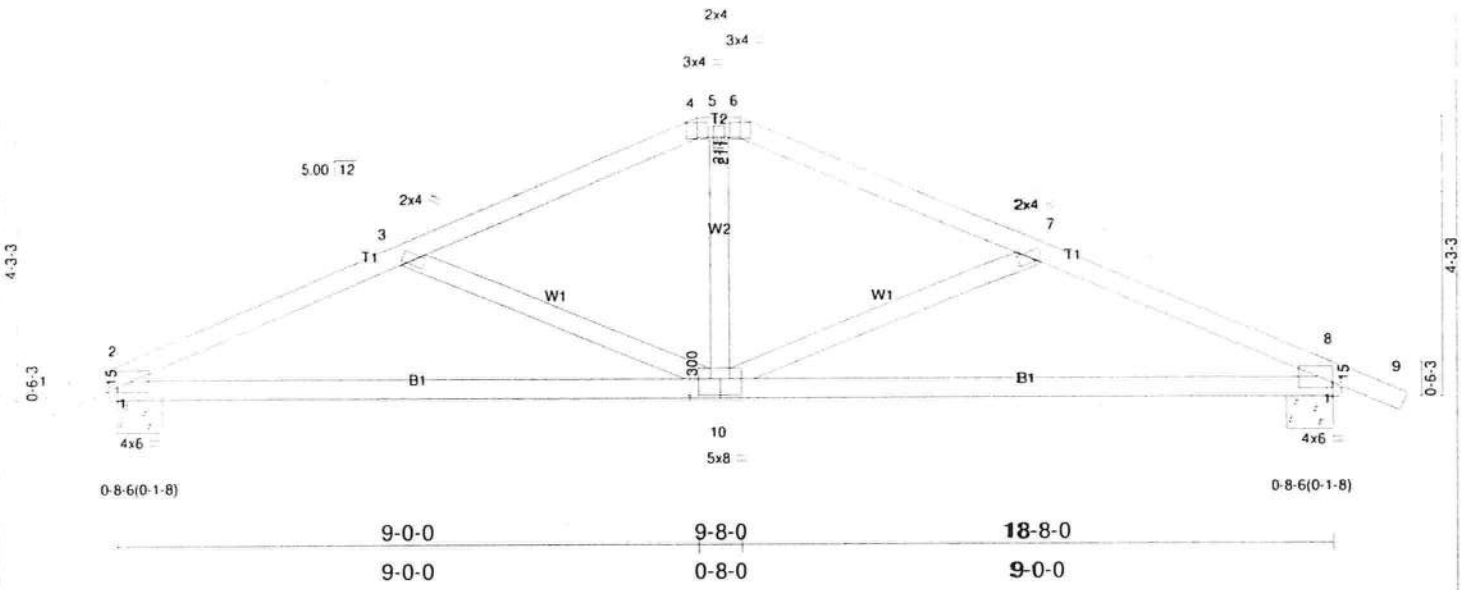


Plate Offsets (X,Y): [2:0-0-1,0-0-15], [4:0-2-0,0-2-11], [6:0-2-0,0-2-11], [8:0-0-1,0-0-15], [10:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.27	Vert(LL)	-0.13	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.62	Vert(TL)	-0.30	8-10	>720	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.18	Horz(TL)	0.03	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 82 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=838/0-8-6, 8=838/0-8-6
Max Horz 2=71(LC 6)
Max Uplift2=-227(LC 6), 8=-227(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/10, 2-3=-1278/432, 3-4=-1059/317, 4-5=-937/332, 5-6=-937/332, 6-7=-1059/317, 7-8=-1278/432, 8-9=0/10
BOT CHORD 2-10=-299/1133, 8-10=-299/1133
WEBS 3-10=-244/191, 7-10=-244/191, 5-10=-26/558

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 227 lb uplift at joint 2 and 227 lb uplift at joint 8.

LOAD CASE(S) Standard

TOMAS PONCE
LICENSE
No. 50068
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

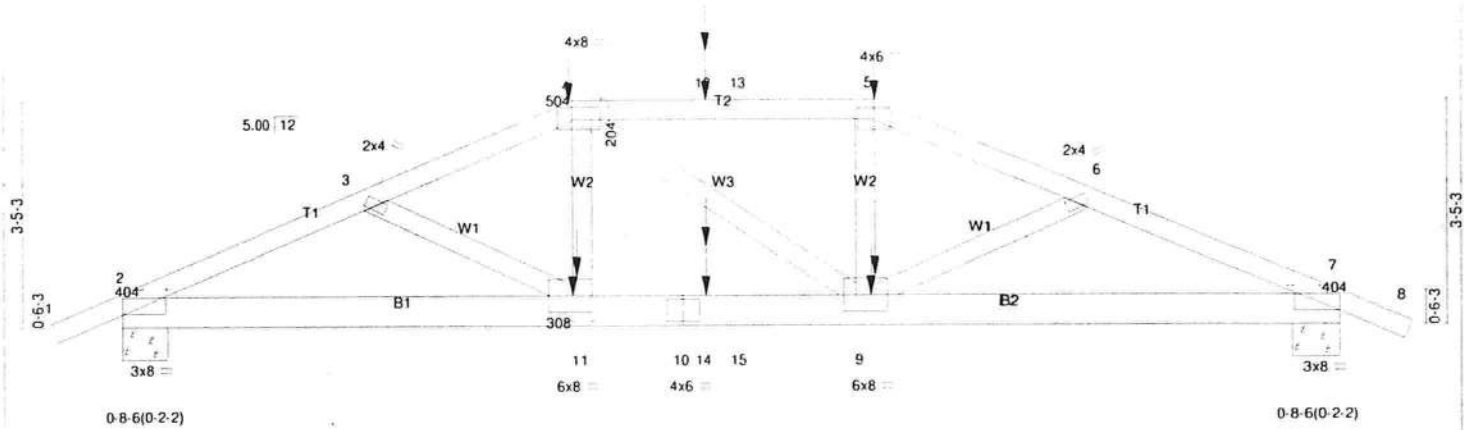
OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	HGRD1	HIP	1	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:28 2008 Page 1

-1-0-0	3-9-12	7-0-0	11-8-0	14-10-4	18-8-0	19-8-0
1-0-0	3-9-12	3-2-4	4-8-0	3-2-4	3-9-12	1-0-0

Scale = 1:33.7



3-9-12	7-0-0	11-8-0	14-10-4	18-8-0
3-9-12	3-2-4	4-8-0	3-2-4	3-9-12

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.44	Vert(LL)	0.13	9-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.59	Vert(TL)	-0.22	9-11	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.17	Horz(TL)	0.06	7	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 102 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 3-1-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-2-8 oc bracing.

REACTIONS (lb/size) 2=1807/0-8-6, 7=1807/0-8-6
Max Horz 2=61(LC 7)
Max Uplift2=-855(LC 7), 7=-855(LC 8)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/14, 2-3=-3481/1661, 3-4=-3522/1704, 4-12=-3288/1623, 12-13=-3288/1623, 5-13=-3288/1623, 5-6=-3519/1702, 6-7=-3480/1660, 7-8=0/14
BOT CHORD 2-11=-1478/3082, 10-11=-1541/3291, 10-14=-1541/3291, 14-15=-1541/3291, 9-15=-1541/3291, 7-9=-1417/3081
WEBS 3-11=-115/296, 4-11=-389/931, 4-9=-73/67, 5-9=-388/929, 6-9=-114/294

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 855 lb uplift at joint 2 and 855 lb uplift at joint 7.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 98 lb down and 83 lb up at 7-0-0, 98 lb down and 83 lb up at 9-0-12, and 98 lb down and 83 lb up at 9-7-4, and 98 lb down and 83 lb up at 11-8-0 on top chord, and 663 lb down and 404 lb up at 7-0-0, 110 lb down and 72 lb up at 9-0-12, and 110 lb down and 72 lb up at 9-7-4, and 663 lb down and 404 lb up at 11-7-4 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
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-46, 4-5=-46, 5-8=-46, 2-7=-40

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

OCT 15 2008

Continued on page 2

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 4=-98(B) 5=-98(B) 11=-663(B) 9=-663(B) 12=-98(B) 13=-98(B) 14=-110(B) 15=-110(B)

TOMAS PONCE
LICENSE
No. 50068
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	GRD2	COMMON	1	2	Job Reference (optional)

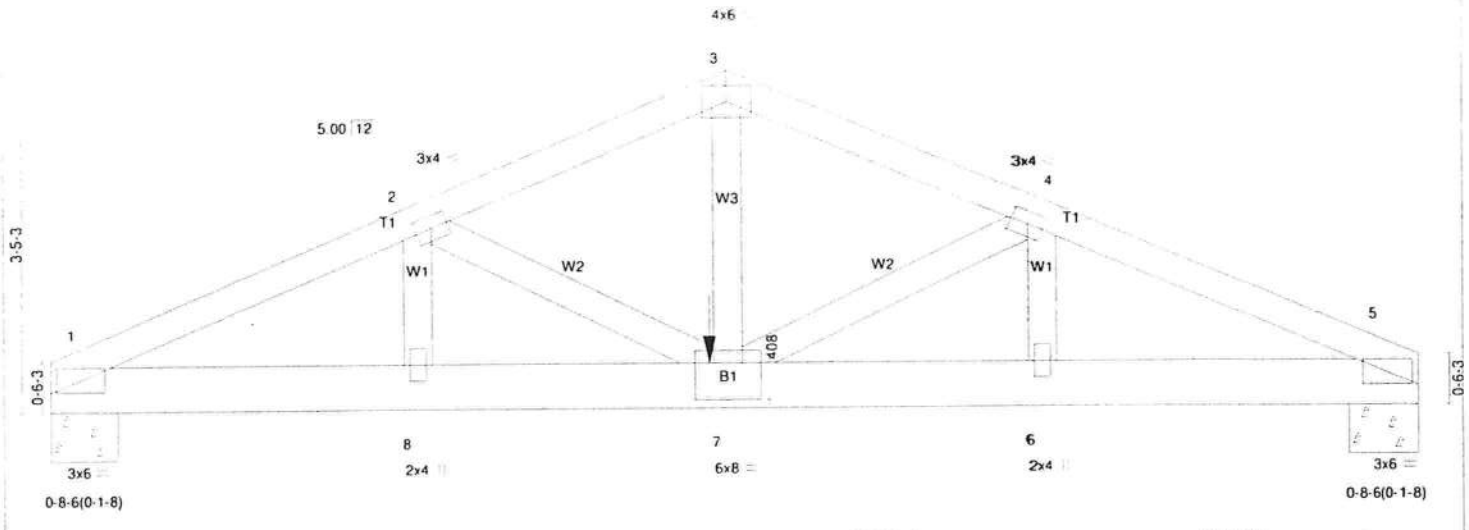
Maronda Homes Inc., Sanford, Florida

7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:08 2008 Page 1

3-9-12 | 7-0-0 | 10-2-4 | 14-0-0

3-9-12 | 3-2-4 | 3-2-4 | 3-9-12

Scale = 1:22.5



3-9-12 | 7-0-0 | 10-2-4 | 14-0-0

3-9-12 | 3-2-4 | 3-2-4 | 3-9-12

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.16	Vert(LL)	-0.06	7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.41	Vert(TL)	-0.11	7	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.34	Horz(TL)	0.03	5	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 147 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 5-11-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=2430/0-8-6, 5=2430/0-8-6
Max Horz 1=46(LC 5)
Max Uplift1=-807(LC 5), 5=-807(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-5038/1699, 2-3=-5098/1792, 3-4=-5098/1792, 4-5=-5038/1700
BOT CHORD 1-8=-1526/4479, 7-8=-1526/4479, 6-7=-1481/4479, 5-6=-1481/4479
WEBS 2-8=0/72, 2-7=-154/360, 3-7=-1276/3707, 4-7=-156/360, 4-6=0/73

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 6 - 2 rows at 0-3-0 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 807 lb uplift at joint 1 and 807 lb uplift at joint 5.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3714 lb down and 1394 lb up at 6-9-12 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

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

OCT 15 2008

Continued on page 2

LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 1-3=-46, 3-5=-46, 1-5=-40
Concentrated Loads (lb)
Vert: 7=-3714(F)

TOMAS PONCE
LICENSE
No. 50068
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	T2	COMMON	2	1	

Job Reference (optional)

Maronda Homes Inc., Sanford, Florida

7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:54 2008 Page 1

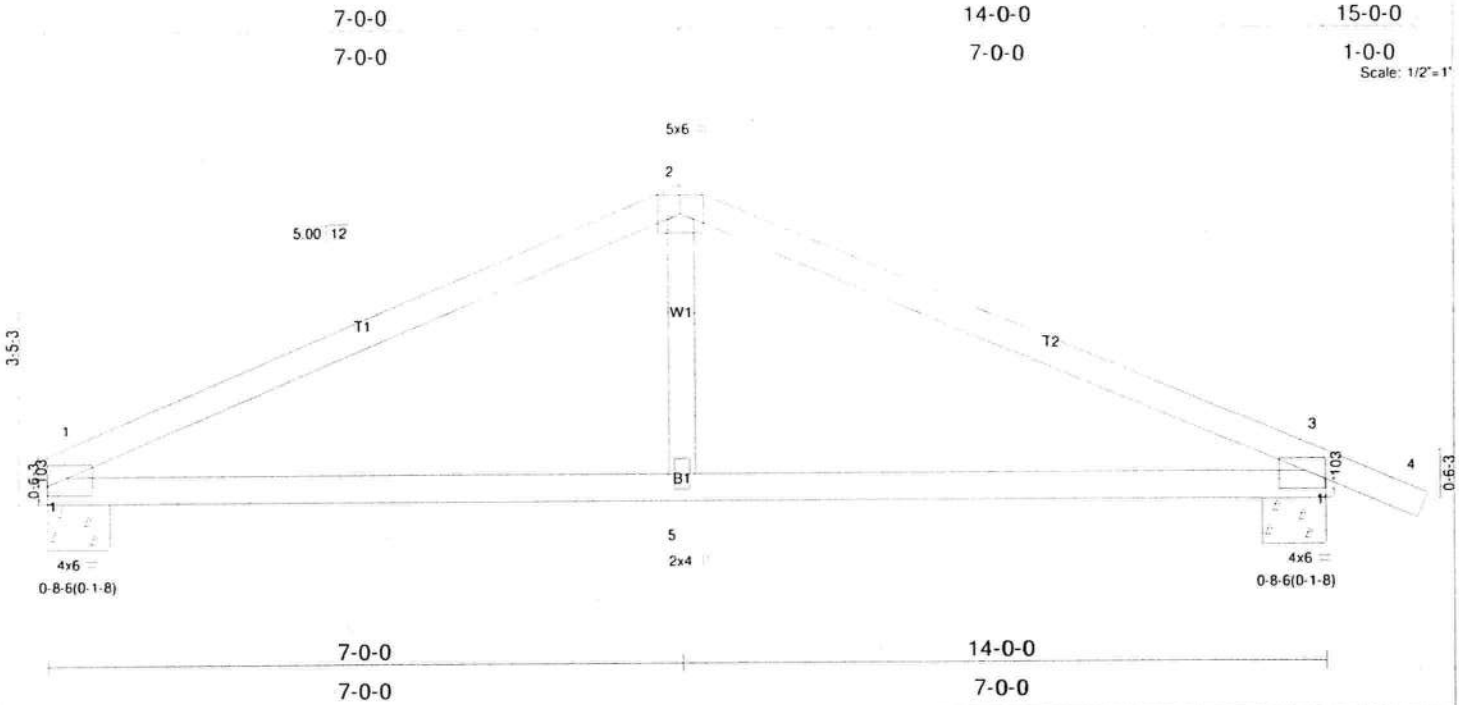


Plate Offsets (X,Y): [1:0-0-1,0-1-3], [3:0-0-1,0-1-3]

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)	-0.08	1-5	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.53	Vert(TL)	-0.15	1-5	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.06	Horz(TL)	0.02	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 50 lb	

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

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

REACTIONS (lb/size) 1=570/0-8-6, 3=641/0-8-6
Max Horz 1=-63(LC 7)
Max Uplift1=-109(LC 6), 3=-193(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-862/266, 2-3=-877/269, 3-4=0/10
BOT CHORD 1-5=-137/746, 3-5=-137/746
WEBS 2-5=0/332

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 109 lb uplift at joint 1 and 193 lb uplift at joint 3.

LOAD CASE(S) Standard

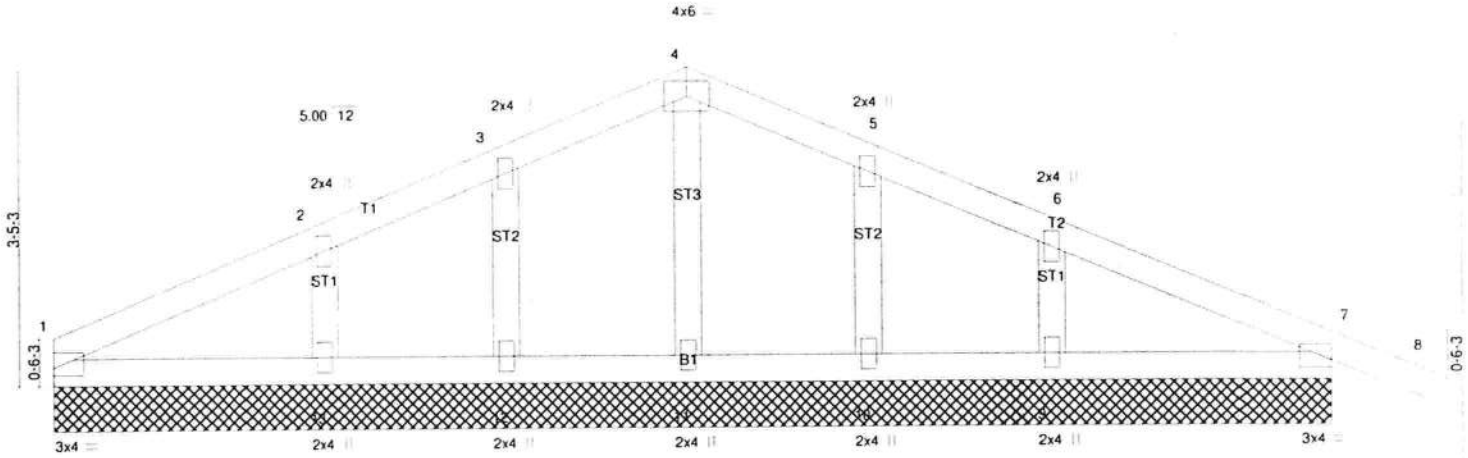
TOMAS PONCE
LICENSE
No. 50068
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	G2	GABLE	1	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:07 2008 Page 1

7-0-0 | 14-0-0 | 15-0-0
7-0-0 | 7-0-0 | 1-0-0
Scale: 1/2"=1'



14-0-0
14-0-0

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.10	Vert(LL)	0.00	8	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	0.00	8	n/r	120		
BCLL	10.0	Rep Stress Incr	NO	WB	0.03	Horz(TL)	0.00	7	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 59 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=109/14-0-0, 7=169/14-0-0, 11=180/14-0-0, 12=137/14-0-0, 13=266/14-0-0, 10=143/14-0-0, 9=249/14-0-0
Max Horz 1=-76(LC 7)
Max Uplift1=-39(LC 7), 7=-138(LC 7), 12=-78(LC 6), 13=-161(LC 6), 10=-88(LC 7), 9=-131(LC 7)
Max Grav 1=109(LC 1), 7=169(LC 1), 11=180(LC 1), 12=141(LC 10), 13=266(LC 1), 10=147(LC 11), 9=249(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-48/42, 2-3=-32/98, 3-4=-26/151, 4-5=-26/152, 5-6=-31/96, 6-7=-37/26, 7-8=0/10
BOT CHORD 1-13=0/75, 12-13=0/75, 11-12=0/75, 10-11=0/75, 9-10=0/75, 7-9=0/75
WEBS 4-11=-92/23, 3-12=-79/122, 2-13=-138/210, 5-10=-82/129, 6-9=-131/193

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
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) Gable studs spaced at 2-0-0 oc.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 39 lb uplift at joint 1, 138 lb uplift at joint 7, 78 lb uplift at joint 12, 161 lb uplift at joint 13, 88 lb uplift at joint 10 and 131 lb uplift at joint 9.

LOAD CASE(S) Standard

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	JGRD1	MONO TRUSS	2	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida

7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:44 2008 Page 1

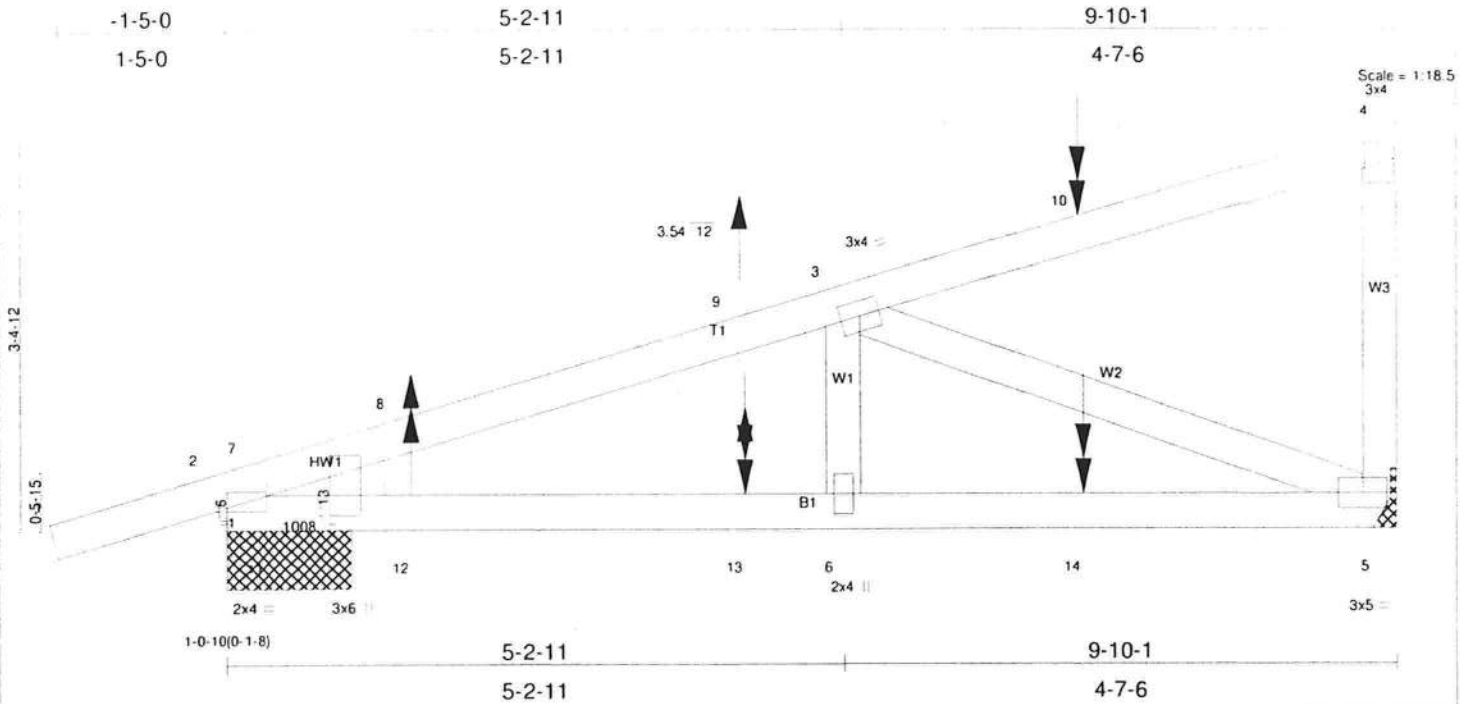


Plate Offsets (X,Y): [2:0-0-1,0-0-6], [2:0-0-13,0-10-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.27	Vert(LL)	-0.03	2-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.32	Vert(TL)	-0.06	5-6	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.29	Horz(TL)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 47 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
WEDGE
Left: 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 9-3-13 oc bracing.

REACTIONS (lb/size) 5=565/Mechanical, 2=498/1-0-10
Max Horz 2=141(LC 3)
Max Uplift5=-305(LC 7), 2=-233(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/11, 2-7=-928/362, 7-8=-927/364, 8-9=-898/386, 3-9=-865/365, 3-10=-117/63, 4-10=-63/3, 4-5=-125/158
BOT CHORD 2-11=-450/852, 11-12=-450/852, 12-13=-450/852, 6-13=-450/852, 6-14=-450/852, 5-14=-450/852
WEBS 3-6=0/283, 3-5=-840/432

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 305 lb uplift at joint 5 and 233 lb uplift at joint 2.
5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 44 lb up at 4-4-12, 44 lb up at 4-4-12, 50 lb down and 117 lb up at 7-2-11, 50 lb down and 117 lb up at 7-2-11, and 44 lb down at 1-6-12, and 44 lb down at 1-6-12 on top chord, and 22 lb up at 1-6-12, 22 lb up at 1-6-12, 12 lb down at 4-4-12, 12 lb down at 4-4-12, and 52 lb down at 7-2-11, and 52 lb down at 7-2-11 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

TOMAS PONCE
LICENSE
No. 50068
STATE OF FLORIDA
PROFESSIONAL ENGINEER

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-46, 2-7=-14, 4-7=-46, 2-11=-20, 5-11=-40

OCT 15 2008

Continued on page 2

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 9=6(F=3, B=3) 10=-101(F=-50, B=-50) 12=43(F=22, B=22) 13=-24(F=-12, B=-12) 14=-104(F=-52, B=-52)

TOMAS PONCE
LICENSE
No. 50068
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	JSGRD1	SPECIAL	1	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida

7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:48 2008 Page 1

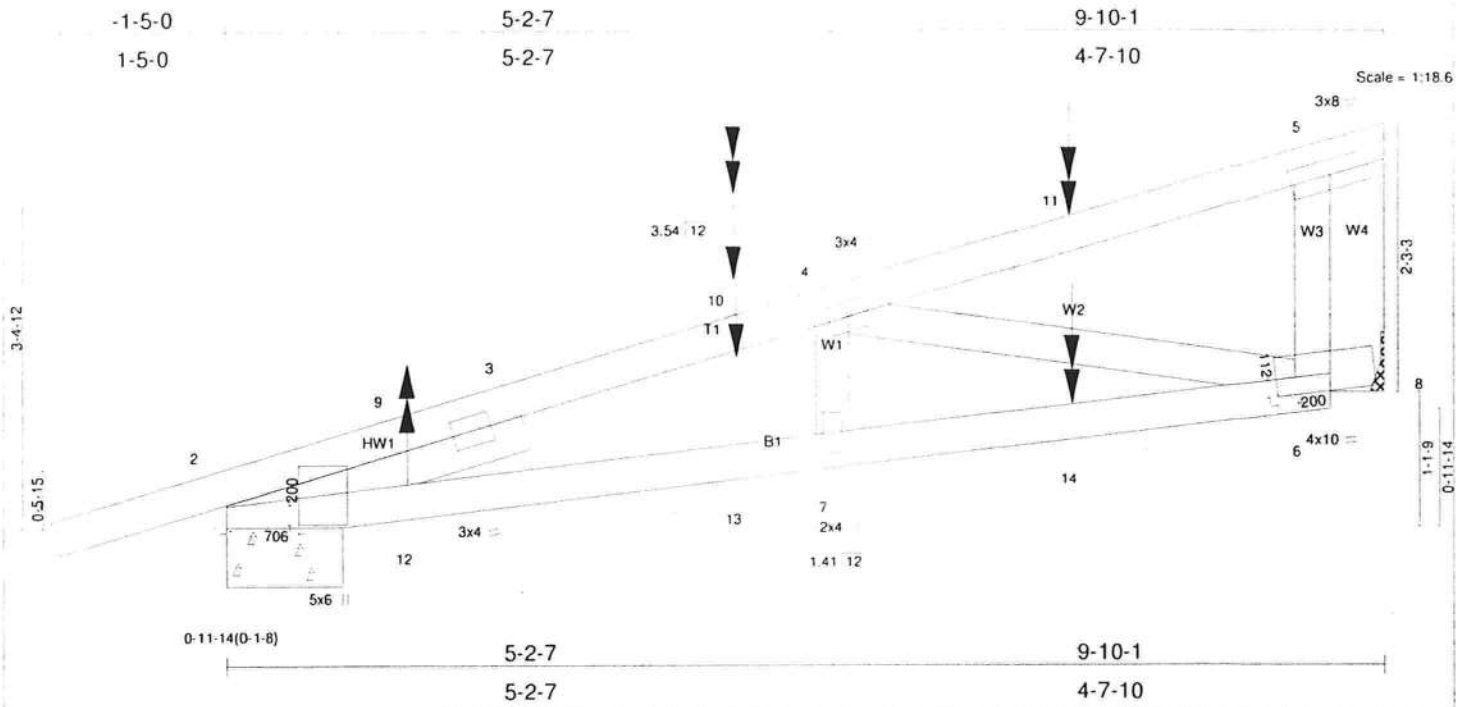


Plate Offsets (X,Y): [2:0-2-0,0-7-6], [6:0-2-0,0-1-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.32	Vert(LL)	-0.04	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.39	Vert(TL)	-0.08	6-7	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.24	Horz(TL)	0.02	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 50 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.2 *Except*
W4 2 X 6 SYP No.2
SLIDER Left 2 X 4 SYP No.2 2-7-11

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

REACTIONS (lb/size) 2=550/0-11-14, 8=562/Mechanical
Max Horz 2=133(LC 3)
Max Uplift2=-273(LC 7), 8=-334(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/6, 2-9=-1307/640, 3-9=-1272/657, 3-10=-1272/658, 4-10=-1241/632, 4-11=-348/215, 5-11=-288/149, 5-6=-169/462
BOT CHORD 2-12=-703/1201, 12-13=-697/1208, 7-13=-697/1222, 7-14=-706/1203, 6-14=-701/1227
WEBS 4-7=0/254, 4-6=-913/501, 5-8=-596/368, 6-8=-172/203

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 273 lb uplift at joint 2 and 334 lb uplift at joint 8.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 11 lb down and 65 lb up at 4-4-12, 11 lb down and 65 lb up at 4-4-12, 61 lb down and 132 lb up at 7-2-11, 61 lb down and 132 lb up at 7-2-11, and 43 lb down at 1-6-13, and 43 lb down at 1-6-13 on top chord, and 21 lb up at 1-6-13, 21 lb up at 1-6-13, 18 lb down at 4-4-12, 18 lb down at 4-4-12, and 58 lb down at 7-2-11, and 58 lb down at 7-2-11 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

THOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

OCT 15 2008

Continued on page 2

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-5=-46, 2-6=-40

Concentrated Loads (lb)

Vert: 10=-22(F=-11, B=-11) 11=-121(F=-61, B=-61) 12=41(F=21, B=21) 13=-36(F=-18, B=-18) 14=-116(F=-58, B=-58)

TOMAS PONCE
LICENSE
No. 50068
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	J	MONO TRUSS	29	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:40 2008 Page 1

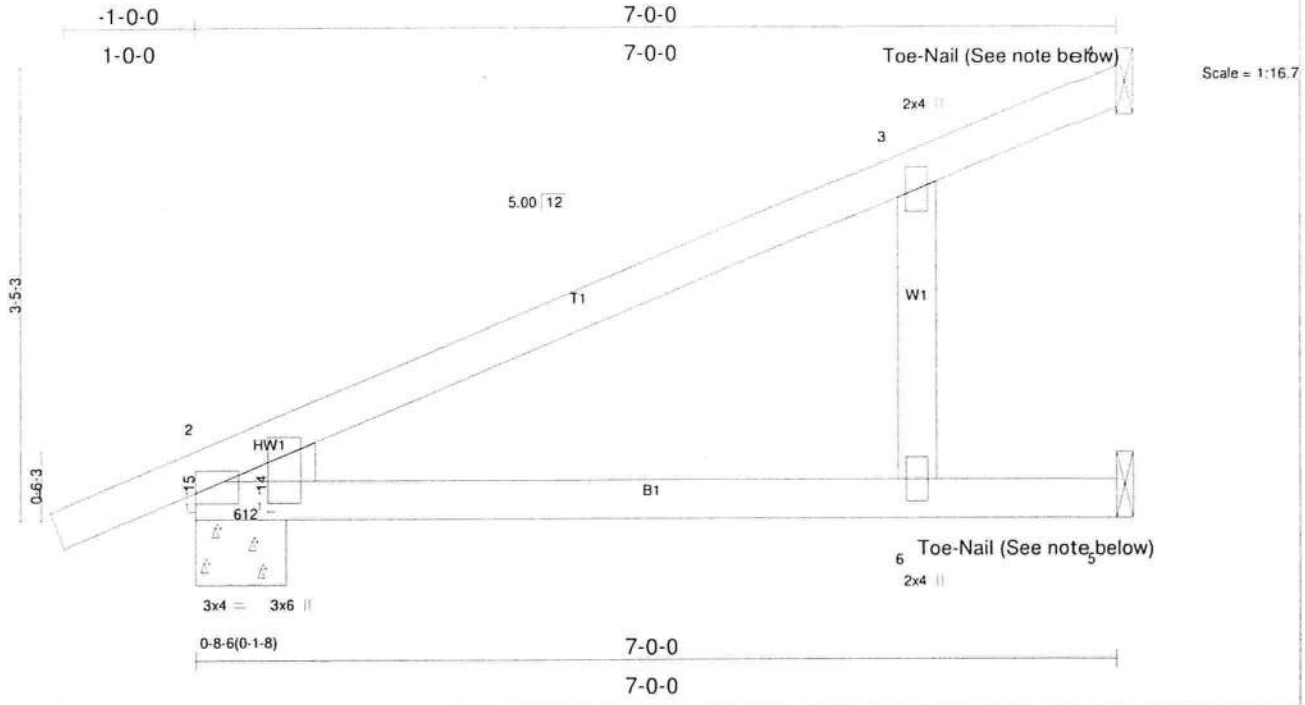


Plate Offsets (X,Y): [2:0-0-0,0-0-15], [2:0-0-14,0-6-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.39	Vert(LL)	-0.12	2-6	>639	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.44	Vert(TL)	-0.26	2-6	>309	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: 28 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
WEDGE
Left: 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=132/Mechanical, 2=355/0-8-6, 5=145/Mechanical
Max Horz 2=143(LC 6)
Max Uplift4=-19(LC 6), 2=-127(LC 6), 5=-72(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/10, 2-3=-106/26, 3-4=-17/48
BOT CHORD 2-6=0/0, 5-6=0/0
WEBS 3-6=-17/165

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 19 lb uplift at joint 4, 127 lb uplift at joint 2 and 72 lb uplift at joint 5.
5) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 4 and 5.

LOAD CASE(S) Standard

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	JS	SPECIAL	11	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida

7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:45 2008 Page 1

-1-0-0 7-0-0

1-0-0 7-0-0 Toe-Nail (See note below)

Scale = 1:16.5

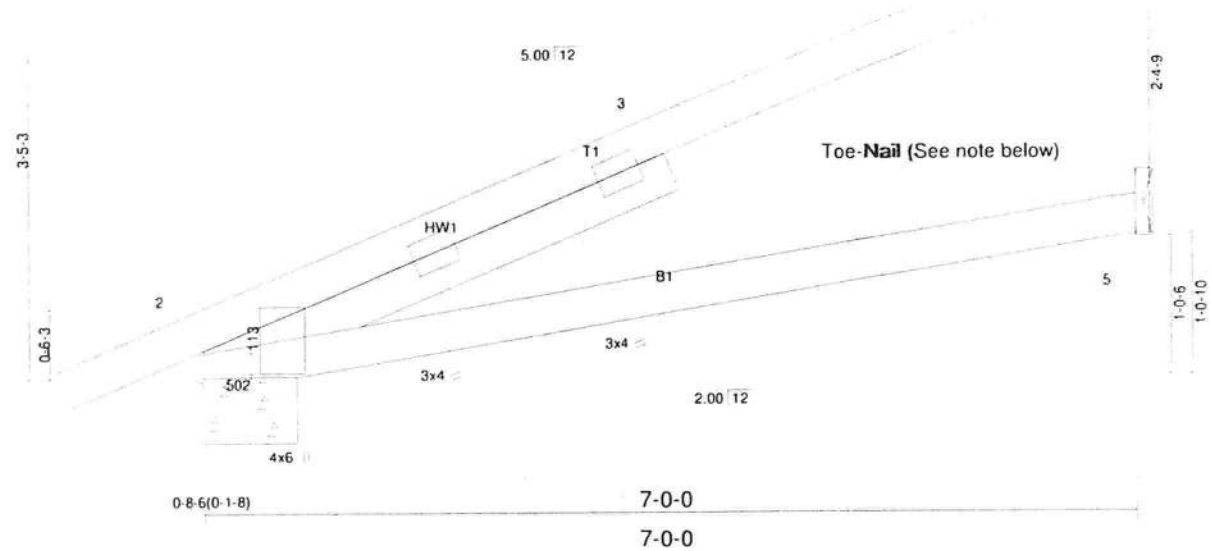


Plate Offsets (X,Y): [2:0-1-13,0-5-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.47	Vert(LL)	-0.12	2-5	>690	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.45	Vert(TL)	-0.30	2-5	>276	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.02	4	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 29 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
SLIDER Left 2 X 4 SYP No.2 3-9-9

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=154/Mechanical, 2=351/0-8-6, 5=138/Mechanical
Max Horz 2=141(LC 6)
Max Uplift4=-140(LC 6), 2=-109(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/6, 2-3=-88/0, 3-4=-78/47
BOT CHORD 2-5=-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 140 lb uplift at joint 4 and 109 lb uplift at joint 2.
6) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 4 and 5.

LOAD CASE(S) Standard

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	JSA	SPECIAL	1	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida

7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:48 2008 Page 1

-1-0-0 7-0-0

1-0-0 7-0-0

Scale = 1:18.0

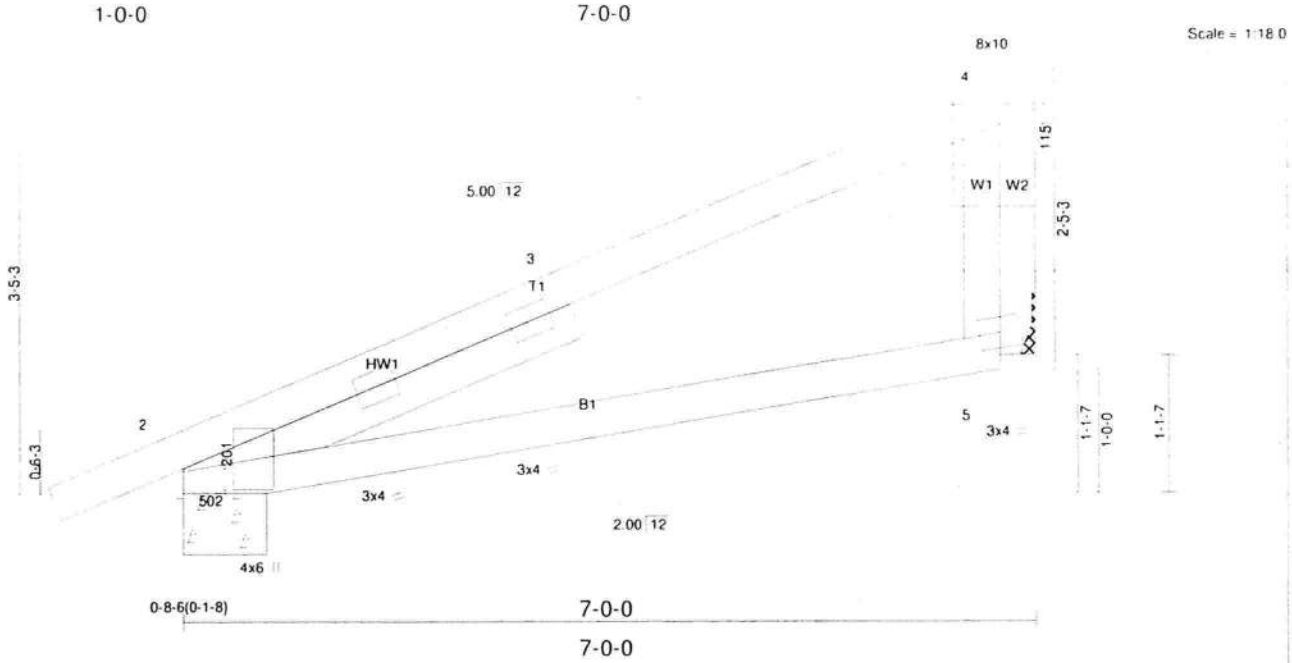


Plate Offsets (X,Y): [2:0-2-1,0-5-2], [4:Edge,0-3-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.42	Vert(LL)	-0.10	2-5	>816	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.24	2-5	>326	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.01	Horz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 34 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
SLIDER Left 2 X 4 SYP No.2 3-5-13

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=335/0-8-6, 5=276/Mechanical
Max Horz 2=134(LC 6)
Max Uplift2=-107(LC 6), 5=-93(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/6, 2-3=-85/0, 3-4=-74/44
BOT CHORD 2-5=-17/17
WEBS 4-5=-146/165

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) 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 107 lb uplift at joint 2 and 93 lb uplift at joint 5.

LOAD CASE(S) Standard

THOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	J1	JACK	4	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:41 2008 Page 1

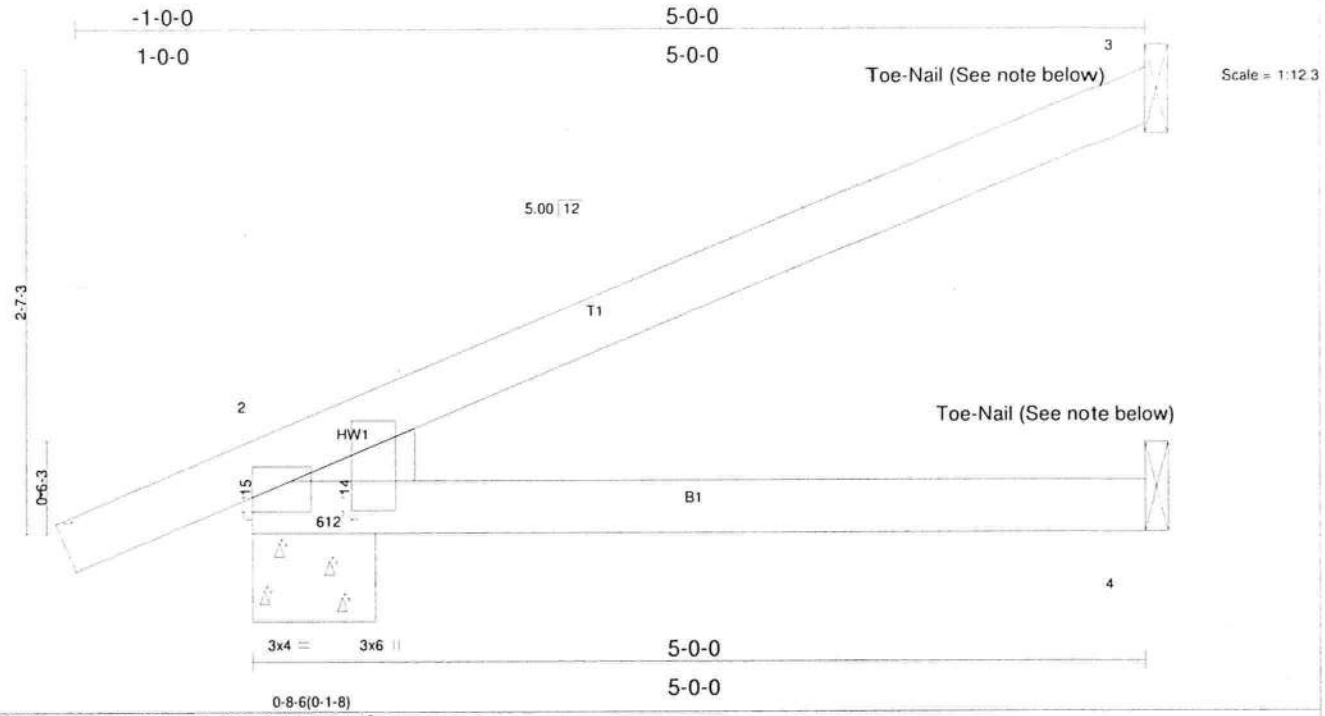


Plate Offsets (X,Y): [2:0-0-0,0-0-15], [2:0-0-14,0-6-12]

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
WEDGE
Left: 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=272/0-8-6, 4=92/Mechanical
Max Horz 2=109(LC 6)
Max Uplift3=-87(LC 6), 2=-117(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/10, 2-3=-64/33
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 87 lb uplift at joint 3 and 117 lb uplift at joint 2.
5) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 3 and 4.

LOAD CASE(S) Standard

TOMAS PONCE
LICENSE
No. 50068
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	JS1	SPECIAL	2	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida

7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:46 2008 Page 1

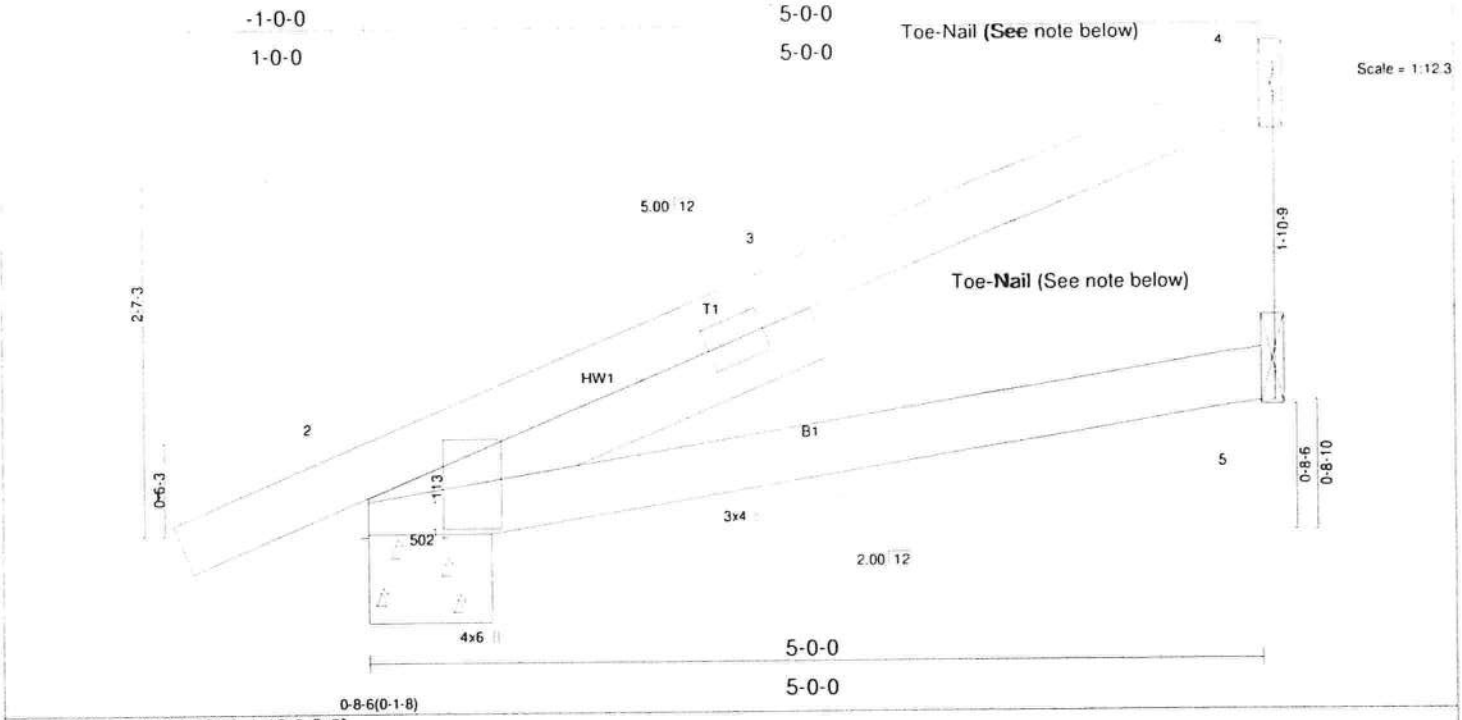


Plate Offsets (X,Y): [2:0-1-13,0-5-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.22	Vert(LL)	-0.03	2-5	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.23	Vert(TL)	-0.08	2-5	>772	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 21 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
SLIDER Left 2 X 4 SYP No.2 2-8-9

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) 4=107/Mechanical, 2=267/0-8-6, 5=98/Mechanical
Max Horz 2=106(LC 6)
Max Uplift4=-98(LC 6), 2=-98(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/6, 2-3=-64/0, 3-4=-55/32
BOT CHORD 2-5=-13/13

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 98 lb uplift at joint 4 and 98 lb uplift at joint 2.
6) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 4 and 5.

LOAD CASE(S) Standard

TOMAS PONCE
LICENSE
No. 50068
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	J2	JACK	4	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:41 2008 Page 1

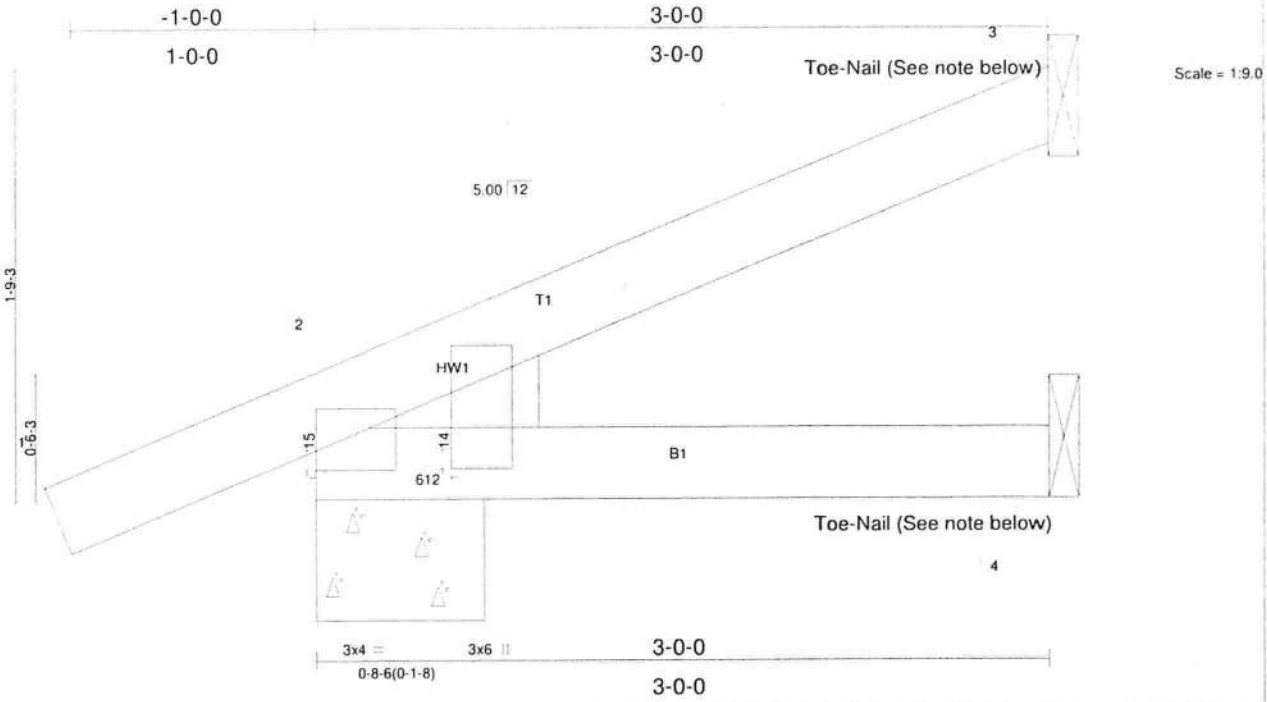


Plate Offsets (X,Y): [2:0-0-0,0-0-15], [2:0-0-14,0-6-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.14	Vert(LL)	-0.00	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
WEDGE
Left: 2 X 4 SYP No.2

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

REACTIONS (lb/size) 3=43/Mechanical, 2=193/0-8-6, 4=52/Mechanical
Max Horz 2=74(LC 6)
Max Uplift3=-38(LC 6), 2=-112(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/10, 2-3=-37/15
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 38 lb uplift at joint 3 and 112 lb uplift at joint 2.
5) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 3 and 4.

LOAD CASE(S) Standard

TOMAS PONCE
LICENSE
No. 50068
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	JS2	SPECIAL	2	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:47 2008 Page 1

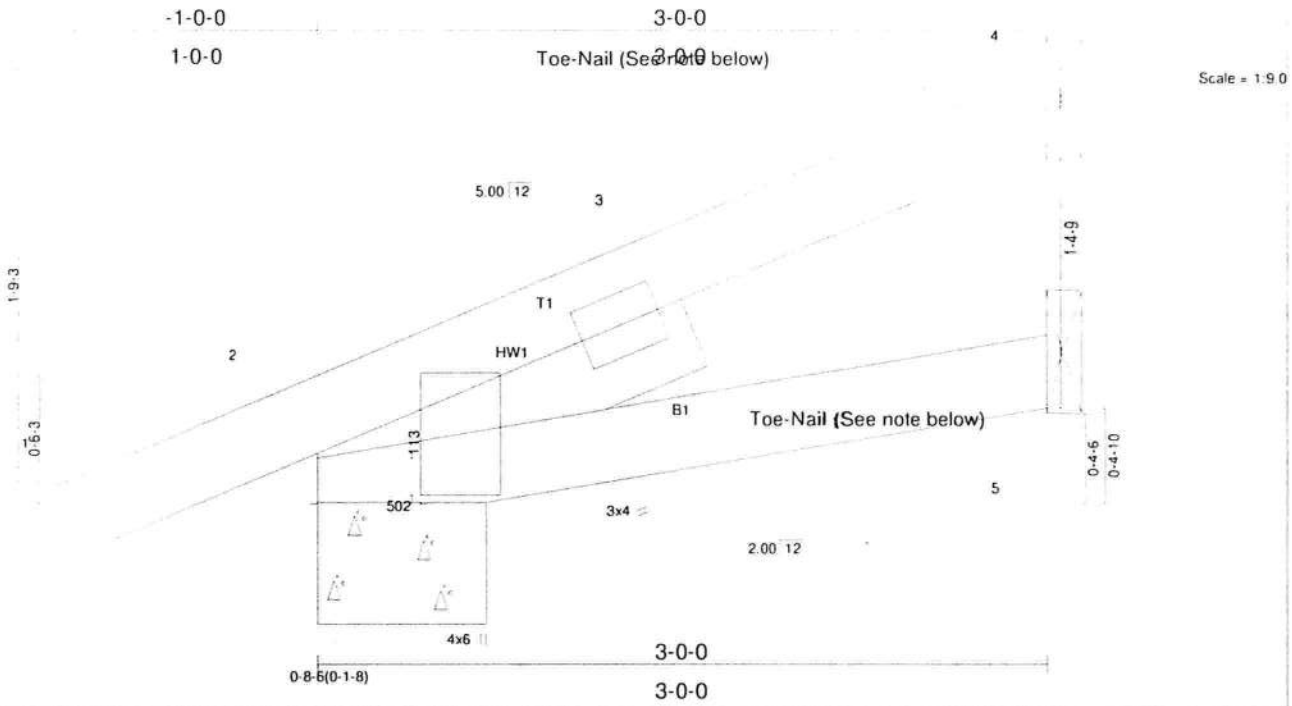


Plate Offsets (X,Y): [2:0-1-13,0-5-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.08	Vert(LL)	-0.00	2-5	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	-0.01	2-5	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	4	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
SLIDER Left 2 X 4 SYP No.2 1-7-9

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) 4=57/Mechanical, 2=185/0-8-6, 5=58/Mechanical
Max Horz 2=72(LC 6)
Max Uplift4=-53(LC 6), 2=-88(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/6, 2-3=-42/0, 3-4=-28/16
BOT CHORD 2-5=-8/8

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 53 lb uplift at joint 4 and 88 lb uplift at joint 2.
6) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 4 and 5.

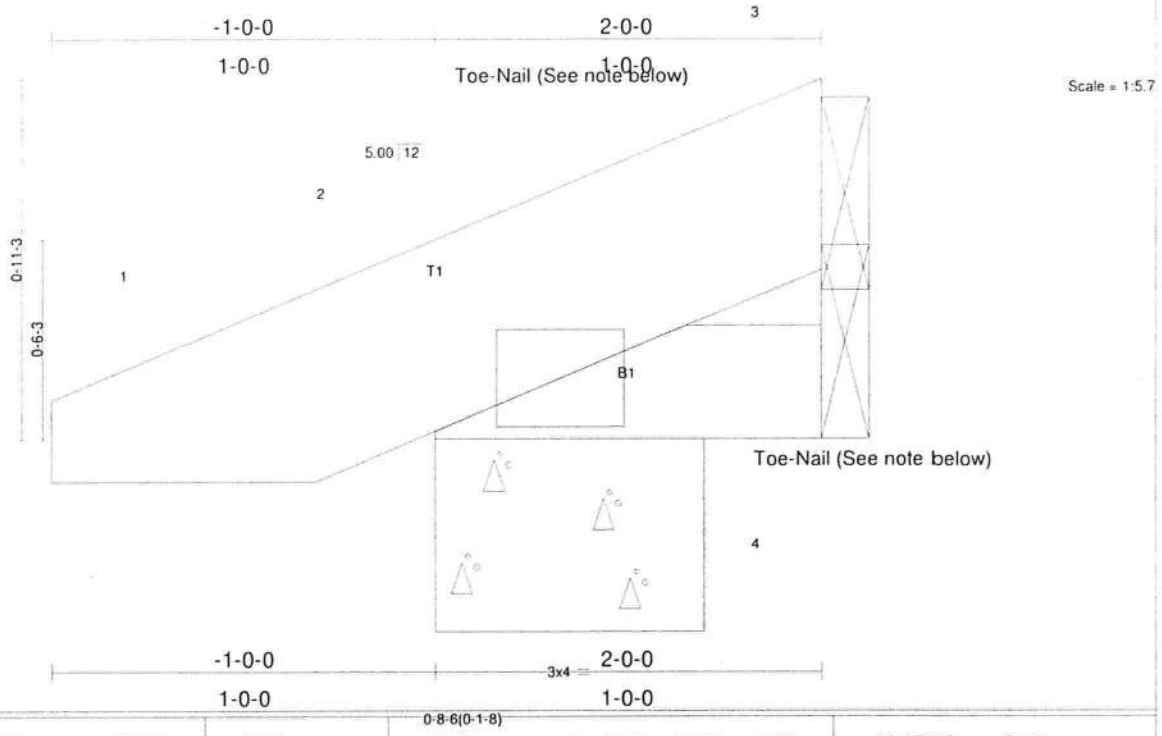
LOAD CASE(S) Standard

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	J3	JACK	4	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:42 2008 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	0.02	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: 7 lb	

0-8-6(0-1-8)

LUMBER
TOP CHORD 2 X 6 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=86/0-8-6, 4=18/Mechanical, 3=8/Mechanical
Max Horz 2=32(LC 6)
Max Uplift2=-62(LC 6), 3=-11(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/7, 2-3=-17/2
BOT CHORD 2-4=0/0

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

LOAD CASE(S) Standard

TOMAS PONCE LICENSE No 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

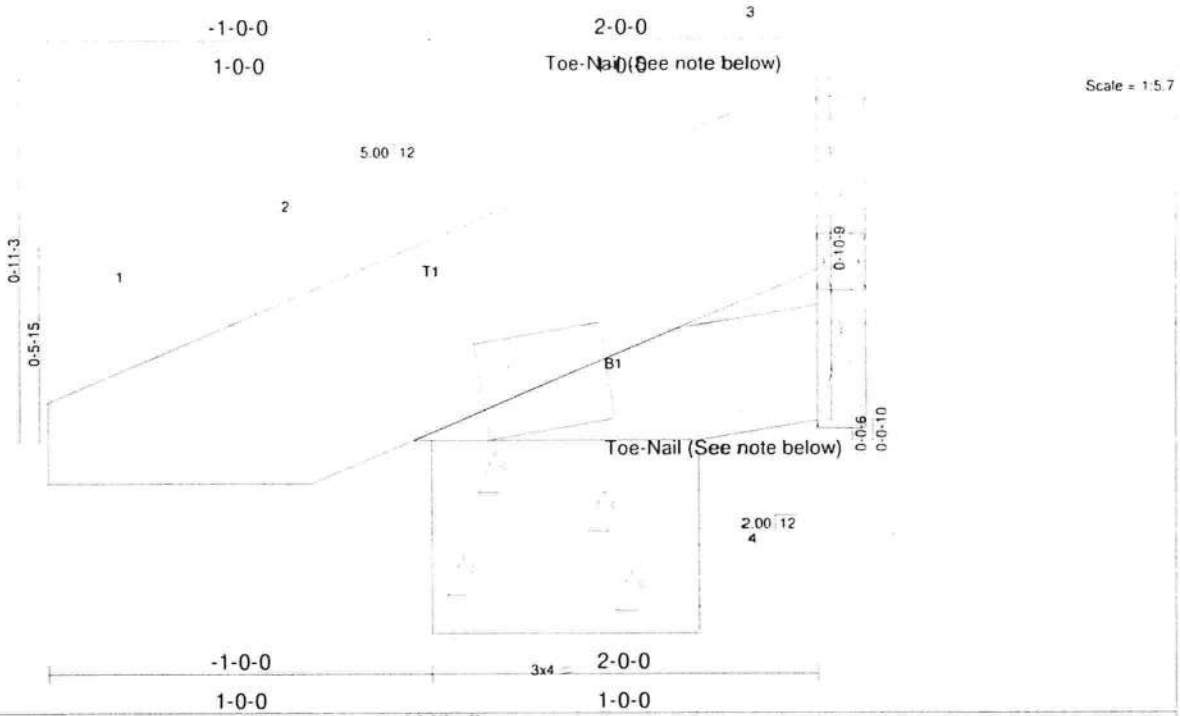
OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	JS3	SPECIAL	2	1	

Job Reference (optional)

Maronda Homes Inc., Sanford, Florida

7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:47 2008 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	0.05	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: 7 lb	

LUMBER
TOP CHORD 2 X 6 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) 4=19/Mechanical, 2=84/0-8-6, 3=11/Mechanical
Max Horz 2=29(LC 6)
Max Uplift2=-54(LC 6), 3=-14(LC 5)

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

NOTES (7)
1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) 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 54 lb uplift at joint 2 and 14 lb uplift at joint 3.
6) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS
7) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 3 and 4.

LOAD CASE(S) Standard

TOMAS PONCE
LICENSE
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OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	V1S	VALLEY	1	1	

Job Reference (optional)

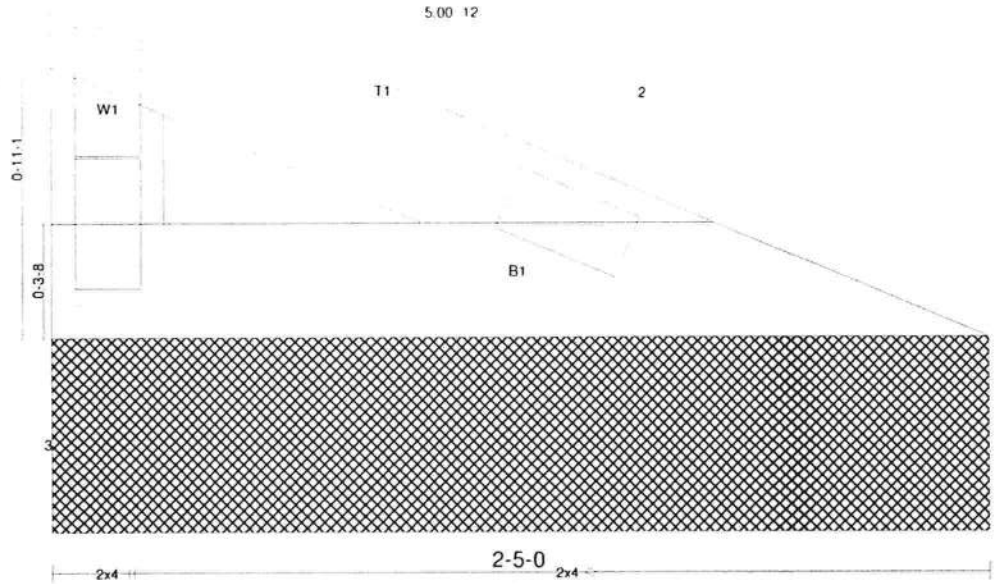
Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:56 2008 Page 1

2x4

0-2-8 2-5-0

0-2-8 2-2-8

Scale = 1:5.6



LOADING (psf)		SPACING 2-5-0(0-1-8)	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.02	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.02	Vert(TL)	n/a	-	n/a	999		
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: 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 2-5-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=66/2-5-0, 2=66/2-5-0
Max Horz 3=-27(LC 7)
Max Uplift3=-22(LC 7), 2=-11(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-3=-35/40, 1-2=-20/11
BOT CHORD 2-3=-0/33

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 22 lb uplift at joint 3 and 11 lb uplift at joint 2.

LOAD CASE(S) Standard

OCT 1 5 2008

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Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	V2S	VALLEY	1	1	

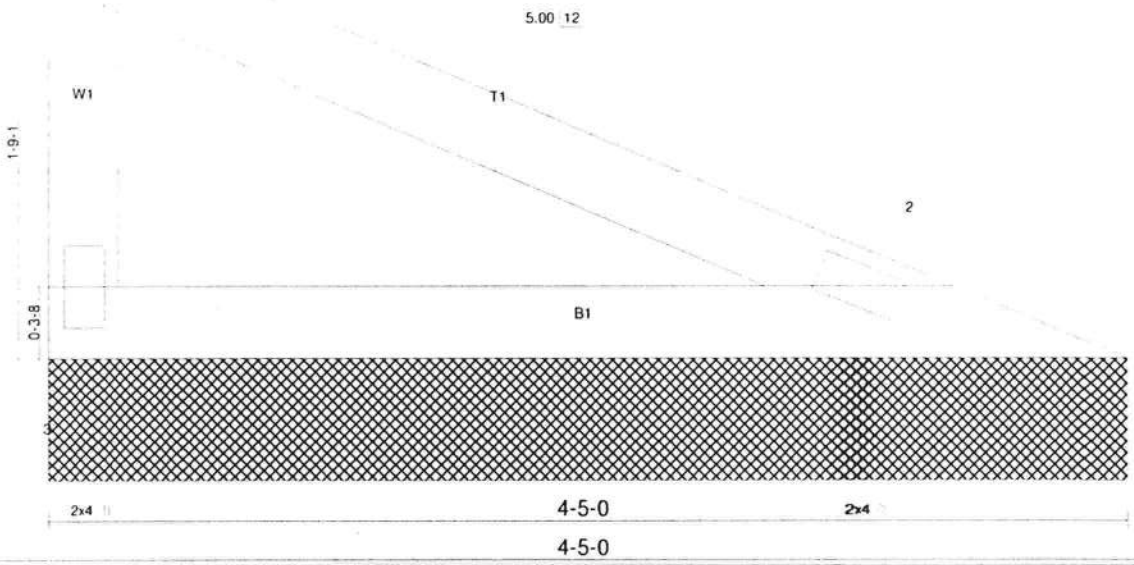
Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:57 2008 Page 1

0-2-8 4-5-0

0-2-8 4-2-8

Scale = 1:9.0



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.12	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	2	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 4-5-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=152/4-5-0, 2=152/4-5-0
Max Horz 3=-61(LC 7)
Max Uplift3=-50(LC 7), 2=-25(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-3=-81/92, 1-2=-46/25
BOT CHORD 2-3=-0/76

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 50 lb uplift at joint 3 and 25 lb uplift at joint 2.

LOAD CASE(S) Standard

OCT 15 2008

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	V3S	GABLE	1	1	Job Reference (optional)

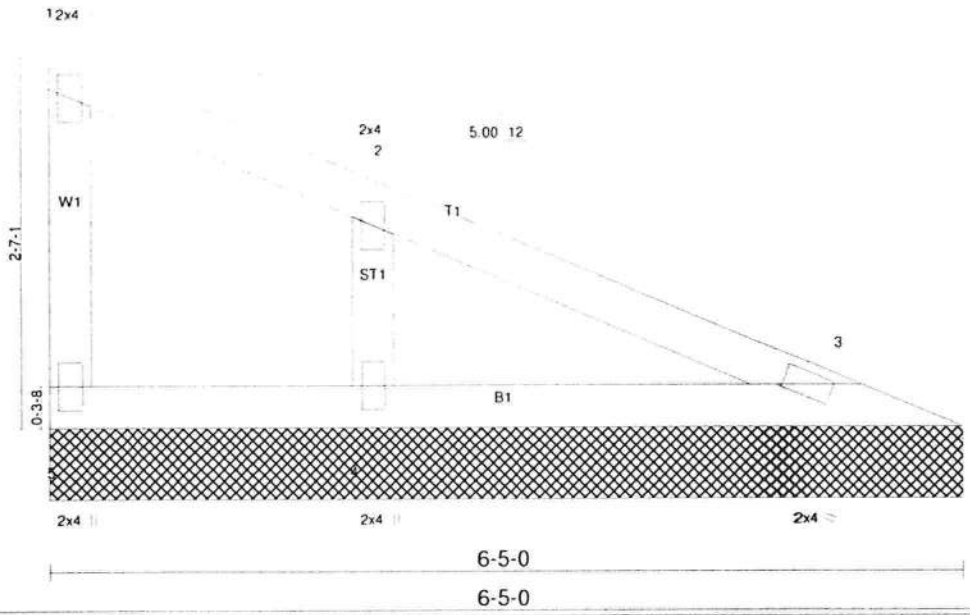
Maronda Homes Inc., Sanford, Florida

7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:57 2008 Page 1

0-2-8 6-5-0

0-2-8 6-2-8

Scale = 1:15.4



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.10	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	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 23 lb	

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

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

REACTIONS (lb/size) 5=48/6-5-0, 3=118/6-5-0, 4=310/6-5-0
Max Horz 5=-96(LC 7)
Max Uplift5=-16(LC 7), 4=-102(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-5=-26/29, 1-2=-28/6, 2-3=-99/36
BOT CHORD 4-5=-0/117, 3-4=-0/117
WEBS 2-4=-166/184

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 16 lb uplift at joint 5 and 102 lb uplift at joint 4.

LOAD CASE(S) Standard

OCT 15 2008

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Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	V4S	GABLE	1	1	

Job Reference (optional)

Maronda Homes Inc., Sanford, Florida

7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:58 2008 Page 1

0-2-8 8-2-8

0-2-8 8-0-0

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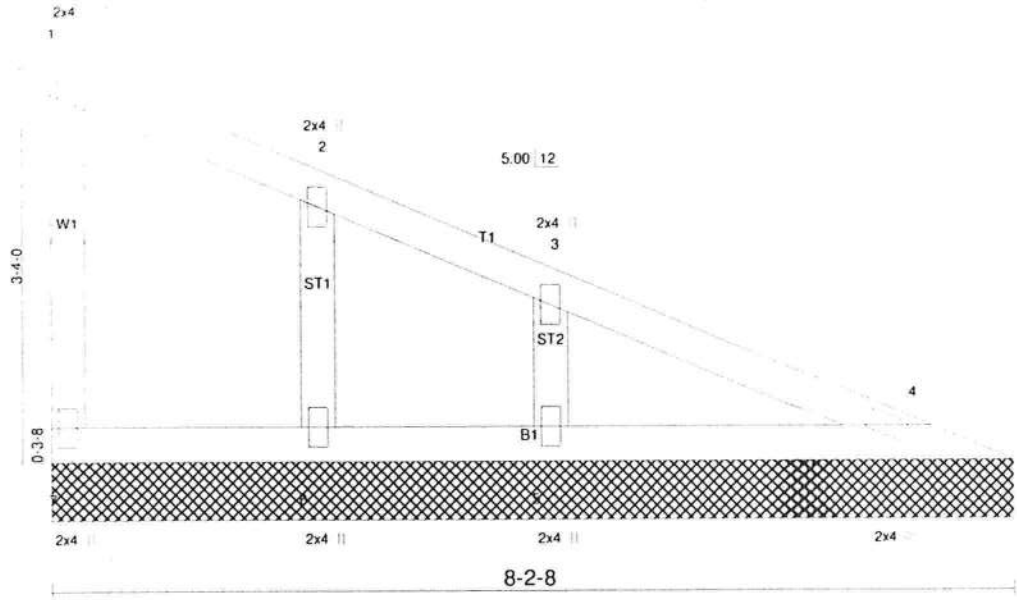

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0	Rep Stress Incr	YES	WB	0.02	Horz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 33 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) 7=80/8-2-8, 4=113/8-2-8, 6=166/8-2-8, 5=273/8-2-8
Max Horz 7=-127(LC 7)
Max Uplift7=-26(LC 7), 6=-54(LC 7), 5=-90(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-7=-43/46, 1-2=-25/13, 2-3=-68/12, 3-4=-139/33
BOT CHORD 6-7=-0/152, 5-6=-0/152, 4-5=-0/152
WEBS 2-6=-89/96, 3-5=-146/159

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 7, 54 lb uplift at joint 6 and 90 lb uplift at joint 5.

LOAD CASE(S) Standard

OCT 15 2008

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Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	V6	VALLEY	2	1	

Job Reference (optional)

Maronda Homes Inc., Sanford, Florida

7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:59 2008 Page 1

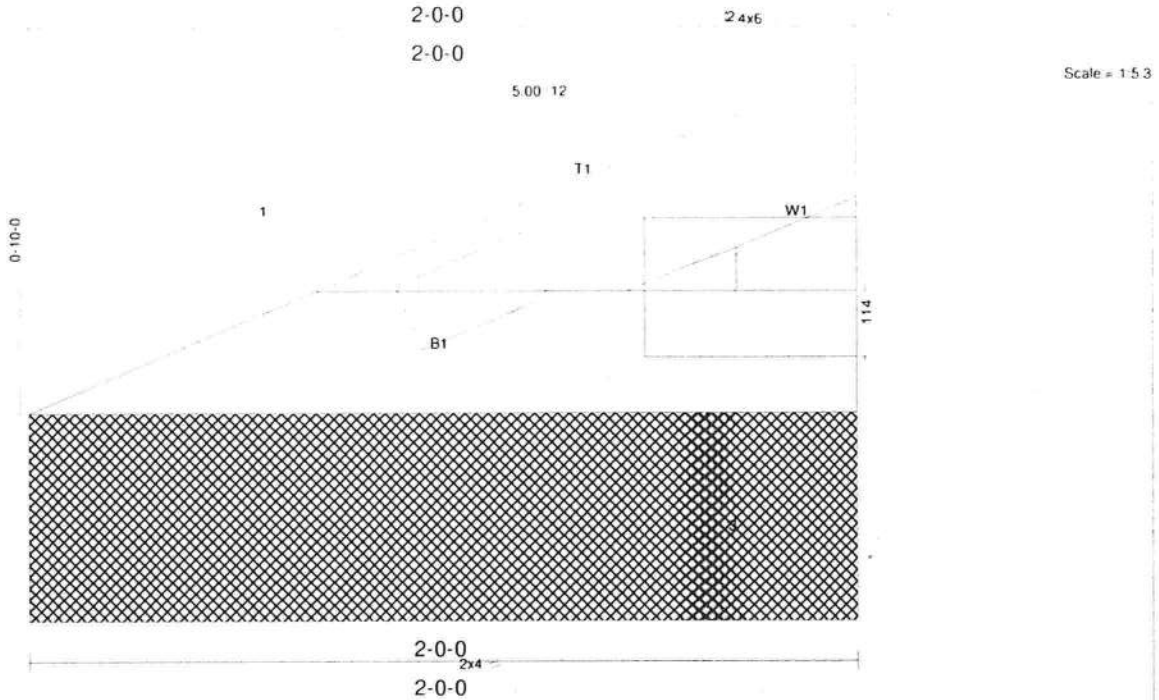


Plate Offsets (X,Y): [2:Edge,0-1-14] 2-0-0(0-1-8) 2-0-0(0-1-8)

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.01	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: 5 lb	

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

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

REACTIONS (lb/size) 1=48/2-0-0, 3=48/2-0-0
Max Horz 1=19(LC 6)
Max Uplift1=-8(LC 6), 3=-16(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-15/8, 2-3=-26/29
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 8 lb uplift at joint 1 and 16 lb uplift at joint 3.

OCT 15 2008

LOAD CASE(S) Standard

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	V7	VALLEY	2	1	

Job Reference (optional)

Maronda Homes Inc., Sanford, Florida

7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:59 2008 Page 1

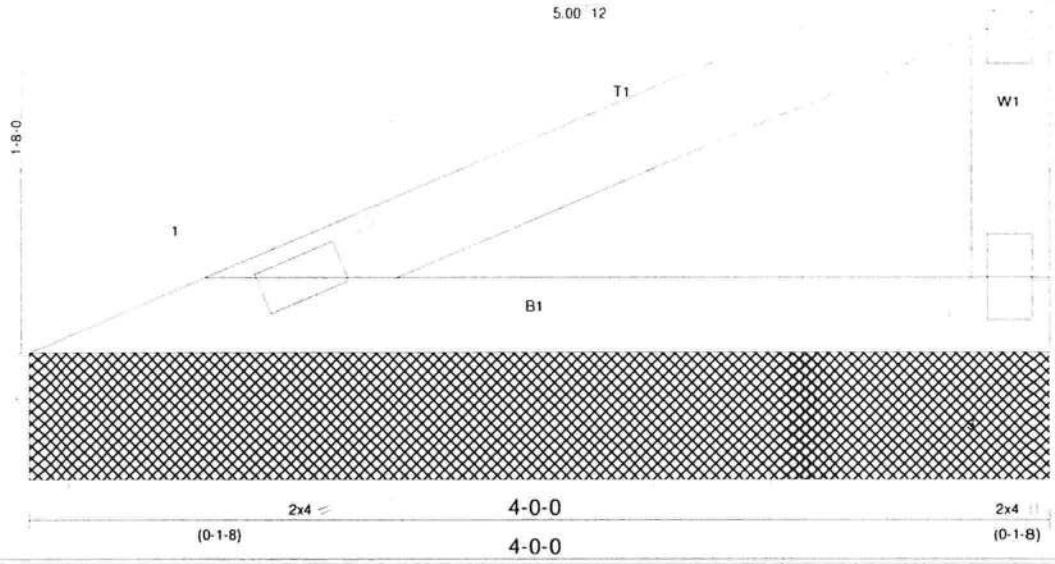
4-0-0

4-0-0

2x4

2

Scale = 1:8.6



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.10	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	0.00	Horz(TL)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 13 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 4-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=134/4-0-0, 3=134/4-0-0
Max Horz 1=54(LC 6)
Max Uplift1=-22(LC 6), 3=-44(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-40/22, 2-3=-72/81
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 22 lb uplift at joint 1 and 44 lb uplift at joint 3.

LOAD CASE(S) Standard

OCT 15 2008

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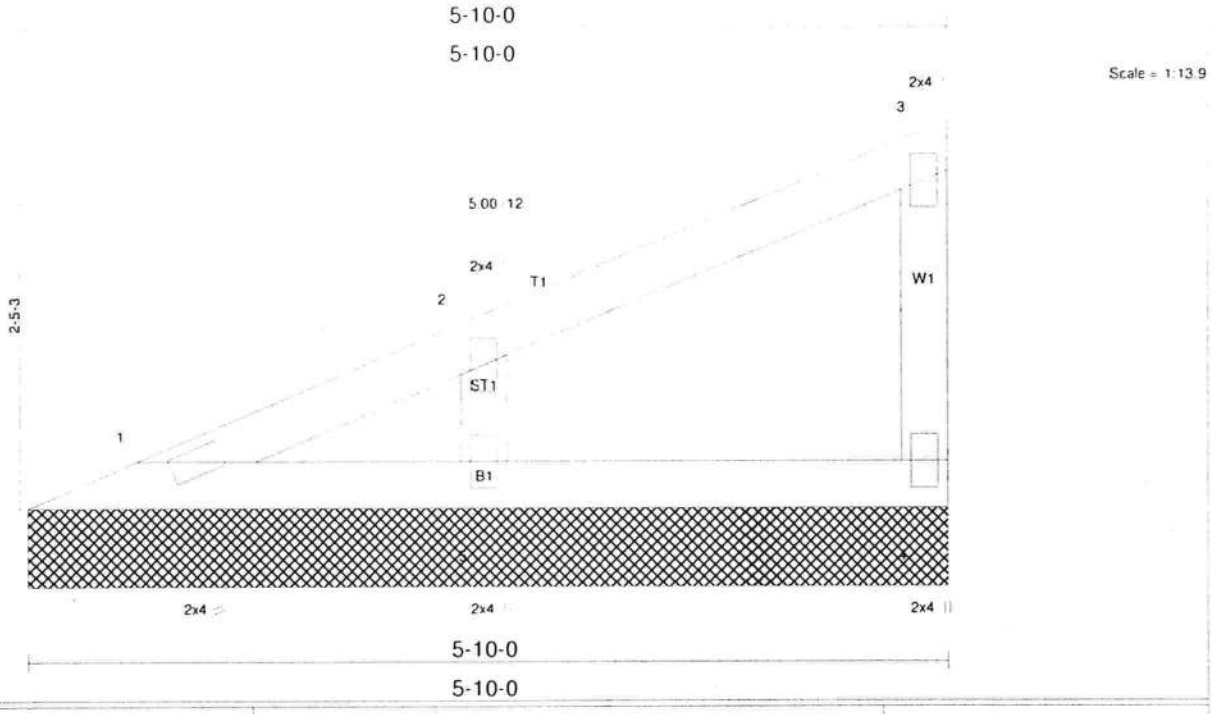
Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	V8	VALLEY	2	1	

Job Reference (optional)

Maronda Homes Inc., Sanford, Florida

7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:34:00 2008 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	0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.06	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0	Rep Stress Incr	YES	WB	0.02	Horz(TL)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 21 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 5-10-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=63/5-10-0, 4=94/5-10-0, 5=269/5-10-0
Max Horz 1=86(LC 6)
Max Uplift4=-31(LC 6), 5=-88(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-99/26, 2-3=-31/15, 3-4=-51/57
BOT CHORD 1-5=0/0, 4-5=0/0
WEBS 2-5=-144/161

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 31 lb uplift at joint 4 and 88 lb uplift at joint 5.

LOAD CASE(S) Standard

OCT 15 2008

TOMAS PONCE
LICENSE
No. 50068
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

PRODUCT APPROVAL INFORMATION SHEET

Project Name: 14/1 TIMBERLANDS **Permit #**

Project Address: 135 SW BLACKMAPLE CT LAKE CITY FL 32024

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

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

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

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

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

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

PRODUCT APPROVAL INFORMATION SHEET

Project Name: 14/1 TIMBERLANDS **Permit #**

Project Address: 135 SW BLACK MAPLE CT. LAKE CITY FL 32024

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

Category/Subcategory	Manufacturer	Product Description	Limitation of use	State #	Local #
A. EXTERIOR DOORS					
1. Swinging	**Plastpro**	Fiberglass Doors	**Design Pressure:** +50.0/-50.0 **Other:** See INST 6729.1 and EVAL 6729.1 for any additional use limitations and installation instructions.	6729.1	
2. Sliding	**Simonton/Norandex**	Sliding Glass Doors	**Design Pressure:** +50/-50 **Other:** 3-lite 108x96 3-lite 144x96 Missile impact Rating:Large	5979.1	
3. Sectional					
4. Roll-Up	**Wayne Dalton**	Garage Doors	As indicated in evaluation report and installation drawings. Not to be used in HVHZ. Doors with glazing shall not be used in the wind-borne debris region unless protected or unless structure is designed as partially enclosed or door is a replacement door	5287.1-5287.2 9174.4 9174.5	
B. WINDOWS					
1. Single Hung	**H-R Windows**	Single-Hung Windows	Not for use in HVHZ	5089.1-5089.9,209262 09242	
2. Horizontal					

Slider					
9. Mullion	**H-R Windows**	Mullions	Not for use in HVHZ. See uploadeddrawing for size limits, design pressure limits, and all other limits of use.	5782.1	
C. PANEL WALL					
1. Siding	**Owens Corning**	Siding	Refer to Evaluation Report for specific product profiles, attachment and design pressures.	4617.1-4617-2	
2. Soffitts	**Owens Corning**	Soffitt	Refer to Evaluation Report for wind load limitations specific to each profile and span.	6869.1-6869-5	
7. Glass Block					
D. ROOFING PRODUCTS					
1. Asphalt Shingles	**Owens Corning**		Products must be install in accordance with Florida Building Code Non High Velocity Hurricane Zone Area and per Manufacturers Installation Drawings. This Approval not for use in the HVHZ.	3663.1-3663.9	
2. Underlayments	**Owens Corning**	Waterproofing Underlayment	This Approval does not cover HVHZ. Products shall be installed in accordance with FBC Sections for Non-HVHZ and per manufacturers Installation Drawings	3349.1 3349.2	
3. Roofing Tiles					
E. SHUTTERS			N/A		
F. STRUCTURAL COMPONENTS					
1. Wood connector/anchor	**Simpson Strong-Tie Co**	Wood Connectors Anchors, Structural adhesive, Adjustable Post Base, Truss Bearing Enhancer, Stud-Plate Connector	Limitations per attached evaluation report. Acceptable for HVHZ.	474-R1 503-R1 538-R1 1423-R2 1463-R2 1725-R1 1901-R3 2304-R1 2355-R2 3751-R1	
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	Alpine Engineered Products, Inc.	Truss Plates Alpine HS Metal Connector Plate	per TPI 1-1995	1999R-2	
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1.	**James Hardie Bldg Products**	fiber-cement cladding	Installed per Manufacturers Installation Drawings. Anchor Size, Type and Spacing are determined by the type of construction per Manufacturers Installation Drawings.	889.1- 889.10-	

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

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 www.floridabuilding.org

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

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

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

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

Contractor or Contractor's Authorized Agent Signature

Print Name

Date

Location

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

Website: www.tlcpermits.org

Effective April 1, 2004

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
9TM01401	14-1	135SW BLACK MAPLE CT	JAX-9TM	DVPM4 LEFT

DAVENPORT A-M

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	10/18/07	10/15/08	J	10/10/08	10/15/08
V	07/27/05	10/15/08	JS	10/10/08	10/15/08
HIP	11/02/06	10/15/08	JSA	10/10/08	10/15/08
S1	10/10/08	10/15/08	J1	10/10/08	10/15/08
HS1	10/10/08	10/15/08	JS1	10/10/08	10/15/08
HS2	10/10/08	10/15/08	J2	10/10/08	10/15/08
HS3	10/10/08	10/15/08	JS2	10/10/08	10/15/08
HS4	10/10/08	10/15/08	J3	10/10/08	10/15/08
HS5	10/10/08	10/15/08	JS3	10/10/08	10/15/08
HS6S	10/10/08	10/15/08	V1S	10/10/08	10/15/08
HS7S	10/10/08	10/15/08	V2S	10/10/08	10/15/08
HS8S	10/10/08	10/15/08	V3S	10/10/08	10/15/08
HSGRD1S	10/10/08	10/15/08	V4S	10/10/08	10/15/08
H1S	10/10/08	10/15/08	V6	10/10/08	10/15/08
H2S	10/10/08	10/15/08	V7	10/10/08	10/15/08
H3S	10/10/08	10/15/08	V8	10/10/08	10/15/08
H4S	10/10/08	10/15/08			
H5S	10/10/08	10/15/08			
B1	10/10/08	10/15/08			
BGRD1	10/10/08	10/15/08			
GRD1	10/10/08	10/15/08			
T1	10/10/08	10/15/08			
G1	10/10/08	10/15/08			
H6	10/10/08	10/15/08			
HGRD1	10/10/08	10/15/08			
GRD2	10/10/08	10/15/08			
T2	10/10/08	10/15/08			
G2	10/10/08	10/15/08			
JGRD1	10/10/08	10/15/08			
JSGRD1	10/10/08	10/15/08			

No. of Eng. Dwgs:	46
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"

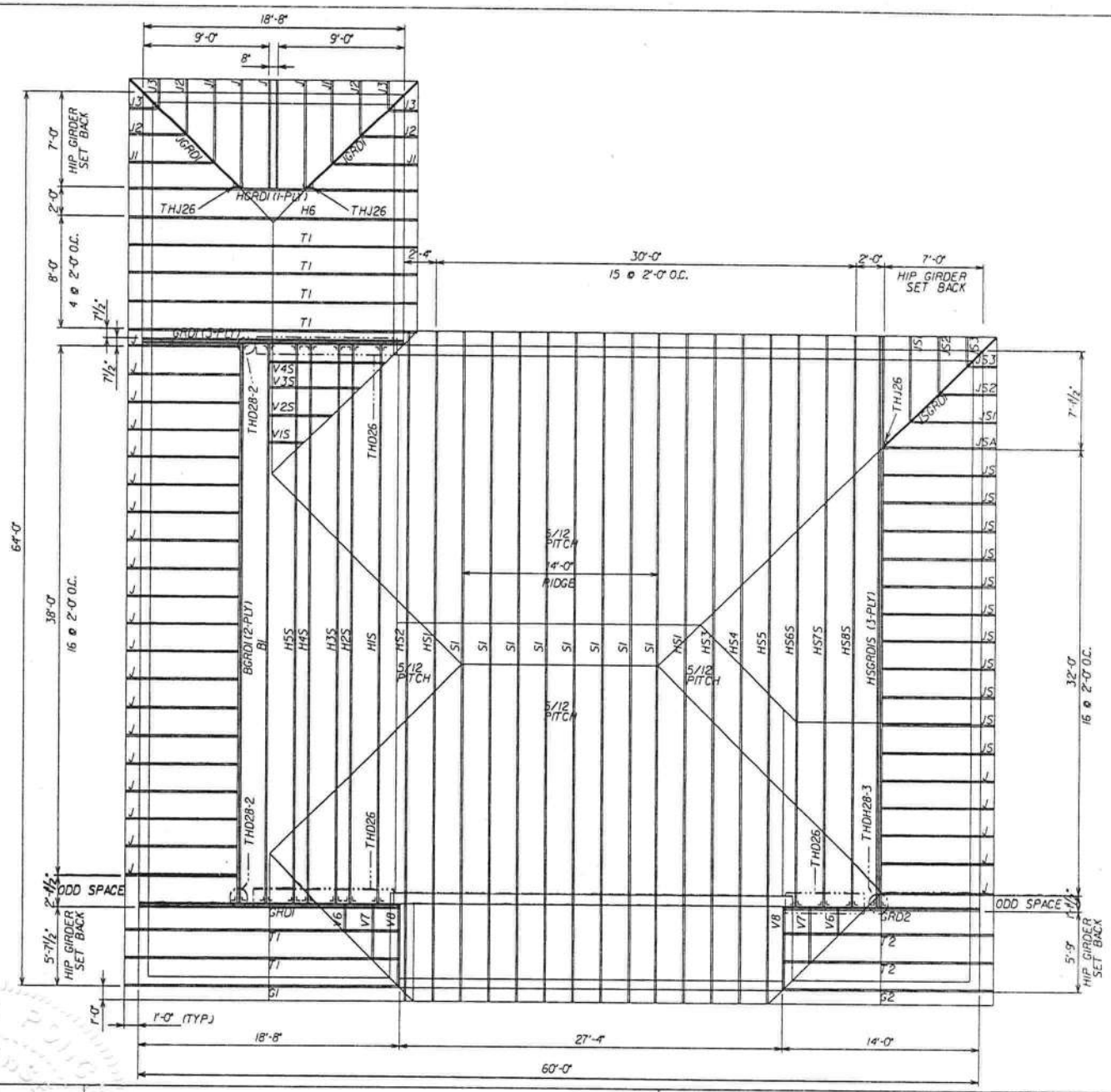
INV #	DESC	QNTY
50060.0048	THD26	15
50060.0047	THD28	
50060.0050	THDH28-3	1
50060.0110	JUS26	
50060.0058	THJ26	3
50060.0049	THD28-2	2
SEAT PLATES		150

OCT 29 2008

DATE: _____

HARDWARE LEGEND

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



HARDWARE MANUFACTURED BY USP

* HARDWARE MANUFACTURED BY SIMPSON

** HARDWARE MANUFACTURED BY CLEVELAND

OCT 29 2008

DAVENPORT ELEVATION "A","M"- FL

GARAGE : LEFT

Maronda Homes

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

DESIGNER: WCA
CHECKER: MIKE
DESIGNER: K WARD

SCALE: 1/8" = 1'-0"
DATE: 10/18/2007

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 · mitek support@mi.com

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.

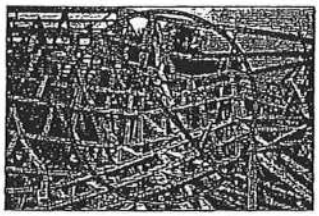
NOTAS GENERALES

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.

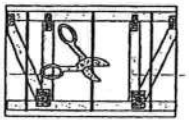
⚠ The consequences of improper handling, erecting, installing, restraining and bracing can result in a collapse of the structure, or worse, serious personal injury or death.

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.

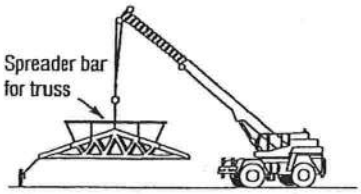


HANDLING — MANEJO

⚠ Avoid lateral bending. — Evite la flexión lateral.

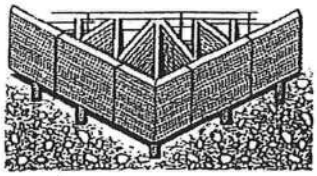
⚠ Use special care in windy weather or near power lines and airports.

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



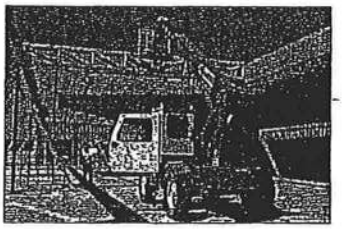
⚠ The contractor is responsible for properly receiving, unloading and storing the trusses at the jobsite.

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



☑ Use proper rigging and hoisting equipment.

Use equipo apropiado para levantar e improvisar.



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

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

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

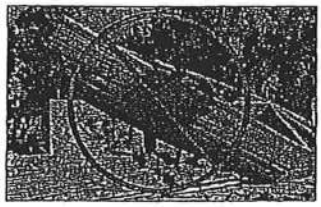
Si los trusses estarán guardados horizontalmente, ponga bloqueando de altura suficiente detrás de la pila de los trusses.

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

Vea el folleto BCSI Guía de Buena Práctica para el Manejo, Instalación, Restricción y 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.

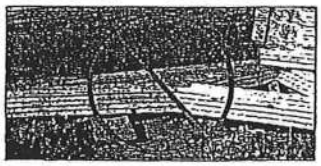
⊘ Do not store unbraced bundles upright.

No almacene verticalmente los trusses sueltos.



⊘ Do not store on uneven ground.

No almacene en tierra desigual.



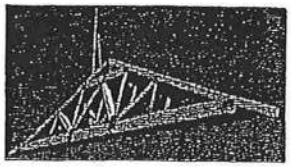
HOISTING RECOMMENDATIONS FOR TRUSS BUNDLES
RECOMENDACIONES PARA LEVANTAR PAQUETES DE TRUSSES.

⚠ Warning! Don't overload the crane.

¡Advertencia! ¡No sobrecarga la grúa!

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

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



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

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

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

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

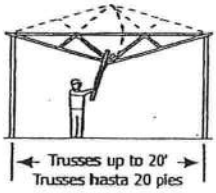
☑ Place truss bundles in stable position.

Puse paquetes de trusses en una posición estable.

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

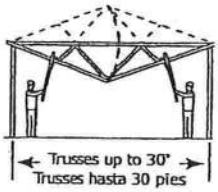
☑ Trusses 20' or less, support at peak.

Levante del pico los trusses de 20 pies o menos.



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

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



HOISTING OF SINGLE TRUSSES — LEVANTAMIENTO DE TRUSSES INDIVIDUALI

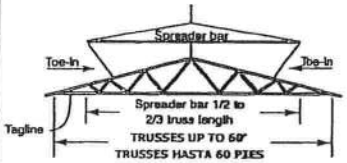
☑ Hold each truss in position with the erection equipment until top chord temporary lateral restraint is installed and the truss is fastened to the bearing points.

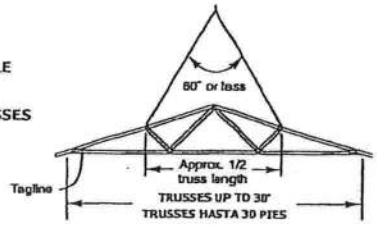
Sostenga cada truss en posición con equipo de grúa hasta que la restricción lateral temporal de la cuerda superior esté instalado y el truss está asegurado en los soportes.

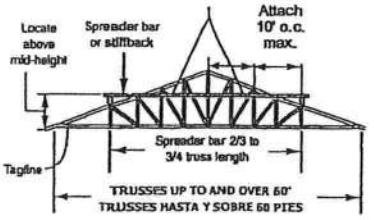
⚠ Warning! Using a single pick-point at the peak can damage the truss.

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

HOISTING RECOMMENDATIONS FOR SINGLE TRUSSES
RECOMENDACIONES PARA LEVANTAR TRUSSES INDIVIDUALES



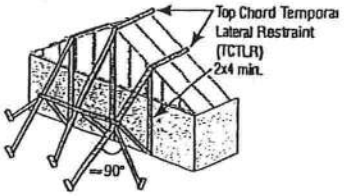




TEMPORARY RESTRAINT & BRACING
RESTRICCIÓN Y ARRIOSTRE TEMPORAL

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

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

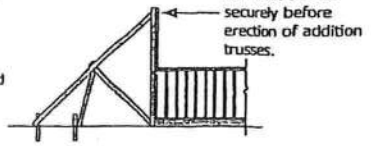


☑ Locate ground braces for first truss directly in line with all rows of top chord temporary lateral restraint (see table in the next column).

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

⊘ Do not walk on unbraced trusses.

No camine en trusses sueltos.



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

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

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

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

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

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

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

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

) TOP CHORD — CUERDA SUPERIOR

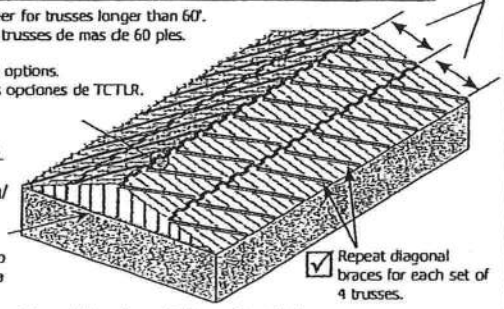
Truss Span Longitud de Tramo	Top Chord Temporary Lateral Restraint (TCTLR) Spacing Espaciamiento del Arriostre Temporal de la Cuerda Superior
Up to 30' Hasta 30 pies	10' o.c. max. 10 pies máximo
30' to 45' 30 a 45 pies	8' o.c. max. 8 pies máximo
45' to 60' 45 a 60 pies	6' o.c. max. 6 pies máximo
60'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

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

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

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

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



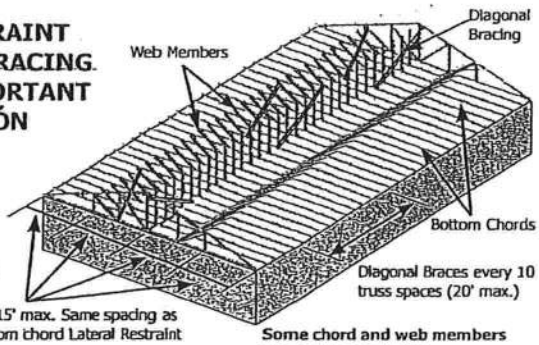
Repeat diagonal braces for each set of 4 trusses.

Repita los arrisotres diagonales para cada grupo de 4 trusses.

Ground bracing not shown for clarity.

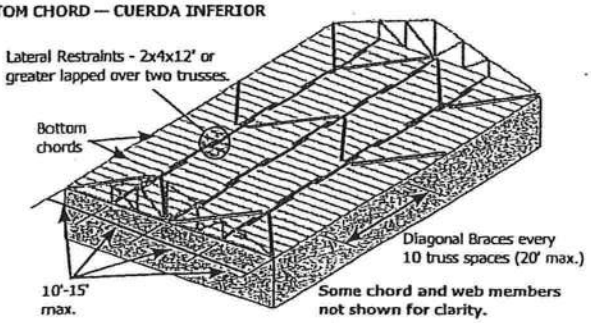
) WEB MEMBER PLANE — PLANO DE LOS MIEMBROS SECUNDARIOS

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



Some chord and web members not shown for clarity.

) BOTTOM CHORD — CUERDA INFERIOR

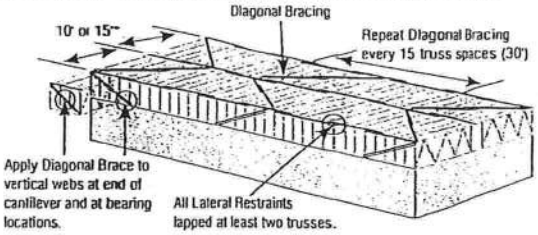


Some chord and web members not shown for clarity.

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.

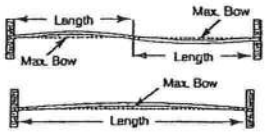
Vea el resumen BCSI-B7 – Restricción y Arriostre Temporal y Permanente de Trusses de Cuerdas Paralelas para más información.



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

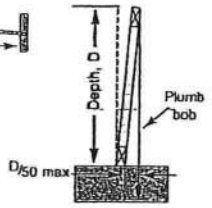
INSTALLING — INSTALACION

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



Tolerances for Out-of-Plumb.

Tolerancias para Fuera-de-Plomada.



Out-of-Plumb

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'

Out-of-Plane

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'

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.

Maximum Stack Heights for Roofing Products

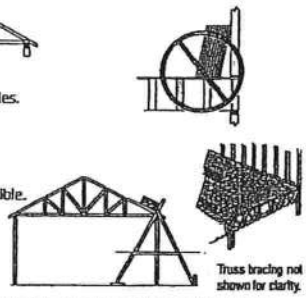
Material	Height
Gypsum Board	12"
Plywood or OSB	16"
Asphalt Shingles	2 bundles
Concrete Block	8"
Clay Tile	3-4 tiles high

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

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

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

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



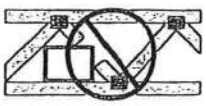
ALTERATIONS — ALTERACIONES

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

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

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

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



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

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

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

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

B1WARN11x17 20061115

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

STRONGBACKING PROVISIONS

Strongbacking is intended to enhance the performance of the truss by helping to limit differential deflection between adjacent trusses and to reduce vibration. Strongbacking is generally attached near the bottom of vertical webs or scabs at specified intervals and locations indicated on the Truss Design Drawing (TDD). ANSI/TPI 1 provides the following provisions for using strongbacking:

- ☑ The Building Designer specifies if strongbacking is required.
- ☑ Use a minimum 2x6 (nominal) lumber oriented with the depth vertical.
- ☑ Attach the strongbacking to each truss with a minimum of three (3) 16d common nails (0.162x3.5"). Shim the joint between the strongback and truss to ensure a solid connection.
- ☑ The strongbacking shall be as continuous as possible. When required to be cut, removed, or modified to allow for the installation of mechanical and/or plumbing lines, the continuity at the adjoining floor sections shall be maintained as specified by the Truss Designer.
- ☑ Spacing between strongbacking shall not exceed 10'.
- ☑ When specified to control vibration in floor assemblies, locate the strongbacking as stipulated on the Truss Design Drawing unless otherwise specified by the Building Designer.
- ☑ When specified to control deflection in floor assemblies, unless otherwise specified by the Truss Designer, install one strongback near the centerline of the truss clear span when the deflection due to live load exceeds 0.67" and install two strongbacks near the centerline of the clear span, or near the third points of the truss span, when the live load deflection exceeds 0.85".
- ☑ Floor trusses with ceilings attached that meet span/480 live load deflection criteria do not require strongbacking, unless required for a specific fire-rated assembly or specified in the Construction Documents.

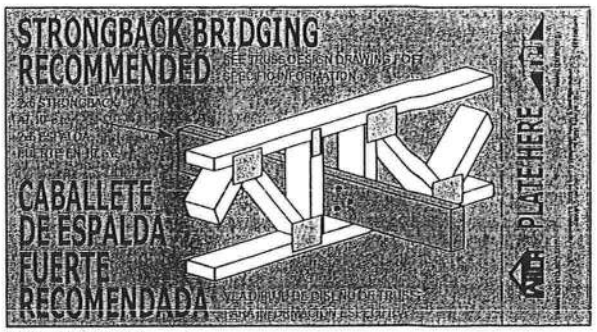


FIGURE B7-14

- ☑ Attach the ends of each row of strongbacks to a wall or another secure end restraint.
- ☑ Many Truss Manufacturers will also include a supplemental tag, such as the one shown above, to further assist the erection/installation Contractor in correctly installing strongbacking.

LATERAL RESTRAINT & DIAGONAL BRACING ARE VERY IMPORTANT!

FIGURE B7-15

⊘ DO NOT WALK ON UNBRACED TRUSSES

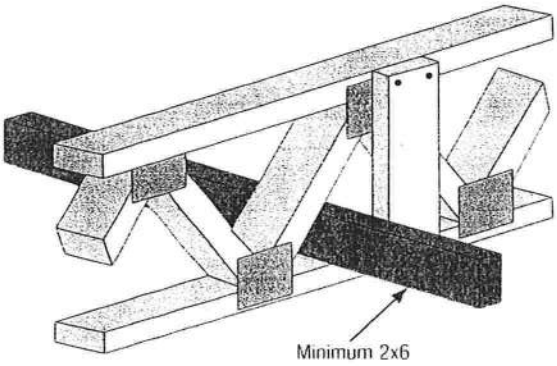


FIGURE B7-12

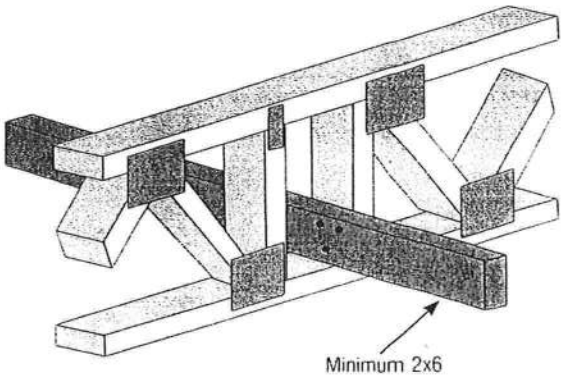


FIGURE B7-13

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 web 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.

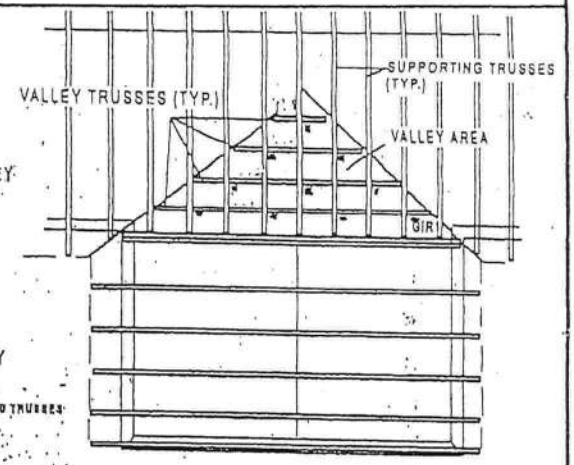
2X4 TRANSVERSE BRACING NAILED FLAT TO EDGE OF WEB WITH 12d NAILS AT 8" O.C. OR A SCAB OF THE SAME DIMENSION AND GRADE AS WEB; NAILED TO FACE (S) OF WEB WITH 10d NAILS STAGGERED 8" O.C. SCAB OR TRANSVERSE BRACKING TO EXTEND FOR 90% OF WEB LENGTH. 2X8 BRACE REQUIRED ON ANY WEB EXCEEDING 14'.

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

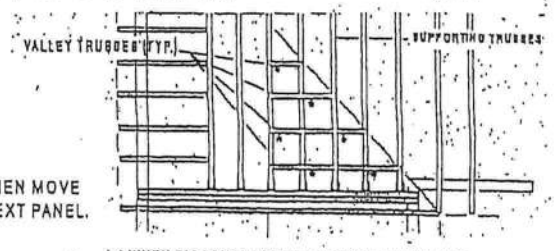
(1) ONE BRACE REQUIRED ON WEBS > = 94.0" LONG *
(2) TWO BRACES REQ'D ON WEBS > =126.0" LONG. **

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

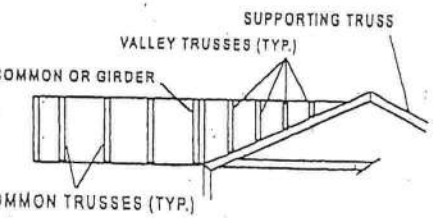
COMMON VALLEY



MONO VALLEY

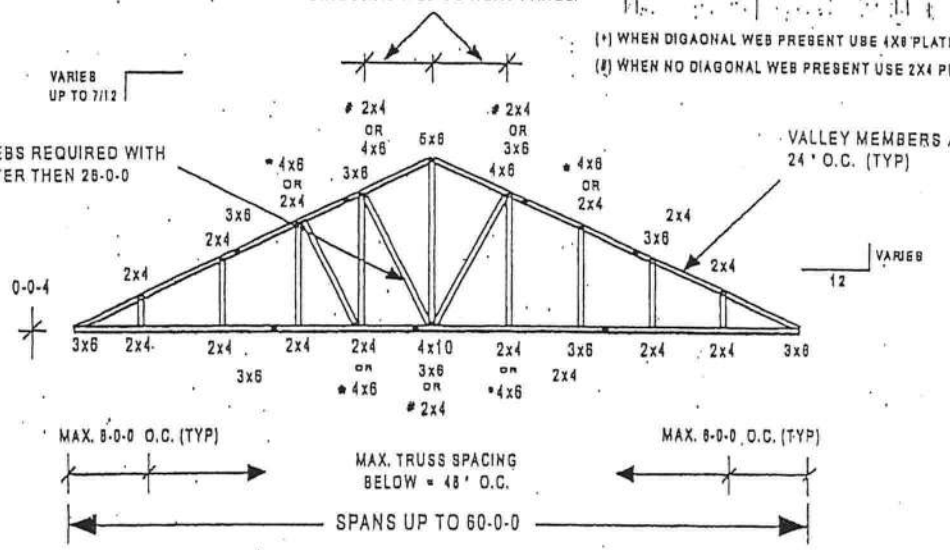


(*) WHEN DIAGONAL WEB PRESENT USE 4X8 PLATE
(#) WHEN NO DIAGONAL WEB PRESENT USE 2X4 PLATE



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

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



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

DEC 17 2005

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

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

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

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

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

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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 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 domino-ing. 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

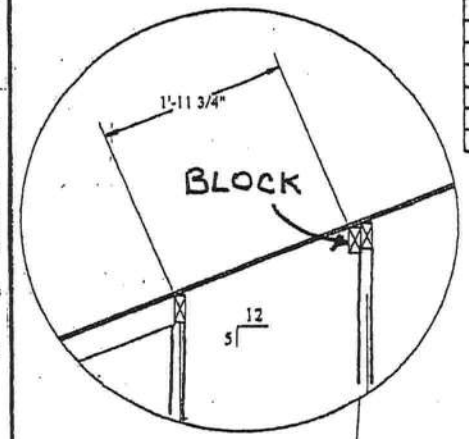
APA-FORM NO. TT-083

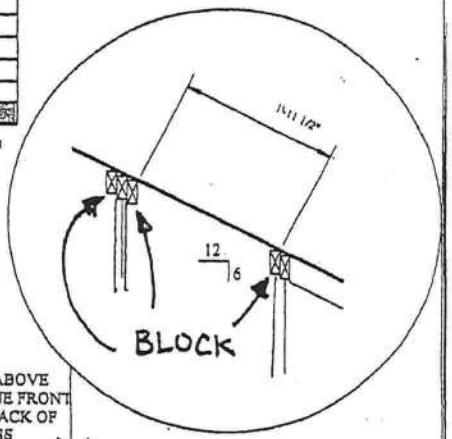
SPAN RATING AND BLOCKING RECOMMENDATIONS FOR USE OVER HIP-ROOFS SUPPORT AT 24" O.C

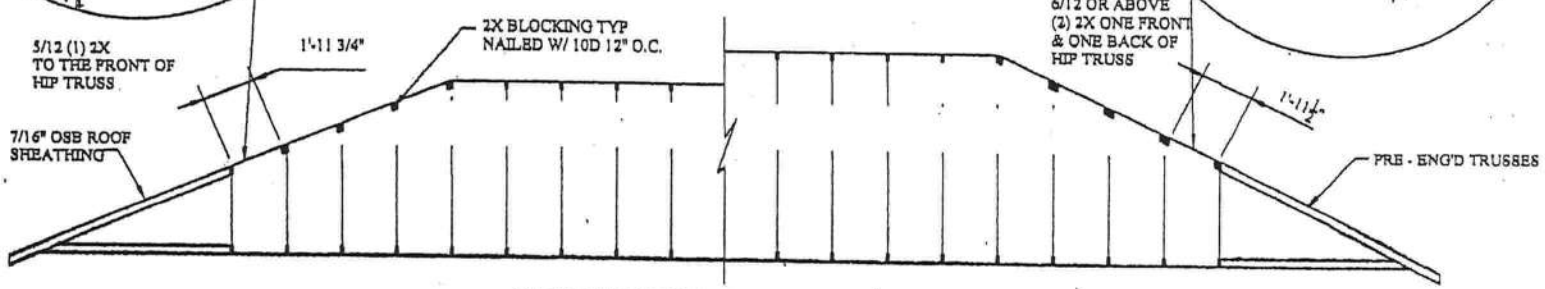
Roof Slope	Panel Span Rating			
	24/16	32/16	40/20	48/24
≤ 1:12	OK	OK	OK	OK
≤ 2:12	OK	OK	OK	OK
≤ 3:12	OK	OK	OK	OK
≤ 4:12	OK	OK	OK	OK
≤ 5:12	OK	OK	OK	OK
≤ 6:12	OK	OK	OK	OK
≤ 8:12	OK	OK	OK	OK
≤ 7:12	OK	OK	OK	OK
≤ 8:12	OK	OK	OK	OK
≤ 9:12	OK	OK	OK	OK
≤ 10:12	OK	OK	OK	OK
≤ 11:12	OK	OK	OK	OK
≤ 12:12	OK	OK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

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

NOV 0 2 2006







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

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

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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

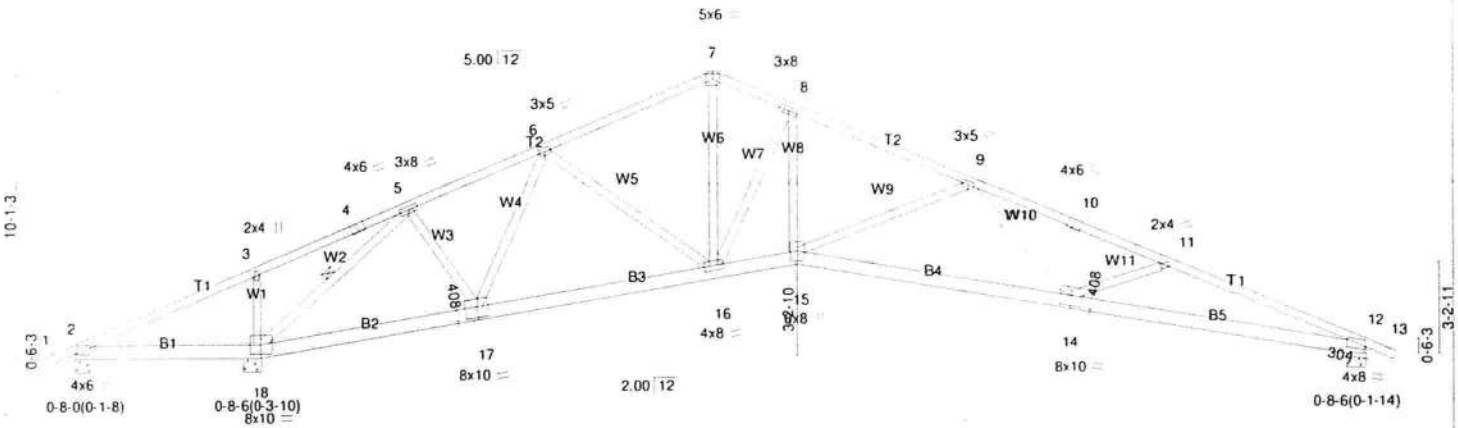
Eng Job:			WO: HIPDETAIL
Dwg:			TI: HIP
Dsgnr:TLY	Chk:		11/2/2006
TC Live	16.0	psf	Lbr DF: 1.25
TC Dead	7.0	psf	Plt DF: 1.25
BC Live	10.0	psf	O.C.: 2- 0- 0
BC Dead	10.0	psf	TPI-02/FBC-04
TOTAL	43.0	psf	Code: FLA
			v4.7.32-0

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	S1	SPECIAL	8	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:53 2008 Page 1

-1-0-0	6-6-4	12-0-6	16-11-1	23-0-0	26-0-0	32-1-7	39-0-0	46-0-0	47-0-0
1-0-0	6-6-4	5-6-2	4-10-11	6-0-15	3-0-0	6-1-7	6-10-9	7-0-0	1-0-0

Scale = 1:78.3



6-4-3	6-8-0	14-5-13	23-0-0	26-0-0	35-8-5	46-0-0
6-4-3	0-3-13	7-9-13	8-6-3	3-0-0	9-8-5	10-3-11

Plate Offsets (X,Y): [4:0-3-0,Edge], [10:0-3-0,Edge], [12:0-3-4,0-2-0], [14:0-5-0,0-4-8], [17:0-5-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.77	Vert(LL)	-0.38	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.95	Vert(TL)	-0.76	14-15	>616	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.87	Horz(TL)	-0.32	18	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 276 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 *Except*
W7 2 X 4 SYP No.1D

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-6-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-4-2 oc bracing.
WEBS 1 Row at midpt 5-18

REACTIONS (lb/size) 2=-625/0-8-0, 18=3055/0-8-6, 12=1596/0-8-6
Max Horz 12=162(LC 6)
Max Uplift2=-653(LC 11), 18=-583(LC 6), 12=-390(LC 7)
Max Grav2=64(LC 7), 18=3055(LC 1), 12=1596(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/14, 2-3=-618/2149, 3-4=-466/2002, 4-5=-455/2090, 5-6=-1386/469, 6-7=-2057/686, 7-8=-2021/710, 8-9=-2886/854, 9-10=-4276/1198, 10-11=-4337/1186, 11-12=-4570/1410, 12-13=0/11
BOT CHORD 2-18=-1893/647, 17-18=-41/727, 16-17=-240/1600, 15-16=-401/2605, 14-15=-845/3528, 12-14=-1191/4183
WEBS 3-18=-391/323, 5-18=-3513/938, 5-17=-131/1055, 6-17=-799/305, 6-16=-61/470, 7-16=-356/1318, 8-16=-1616/451, 8-15=-306/1593, 9-15=-930/458, 9-14=-54/797, 11-14=-176/331

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) Bearing at joint(s) 12 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 653 lb uplift at joint 2, 583 lb uplift at joint 18 and 390 lb uplift at joint 12.

LOAD CASE(S) Standard

OCT 15 2008

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

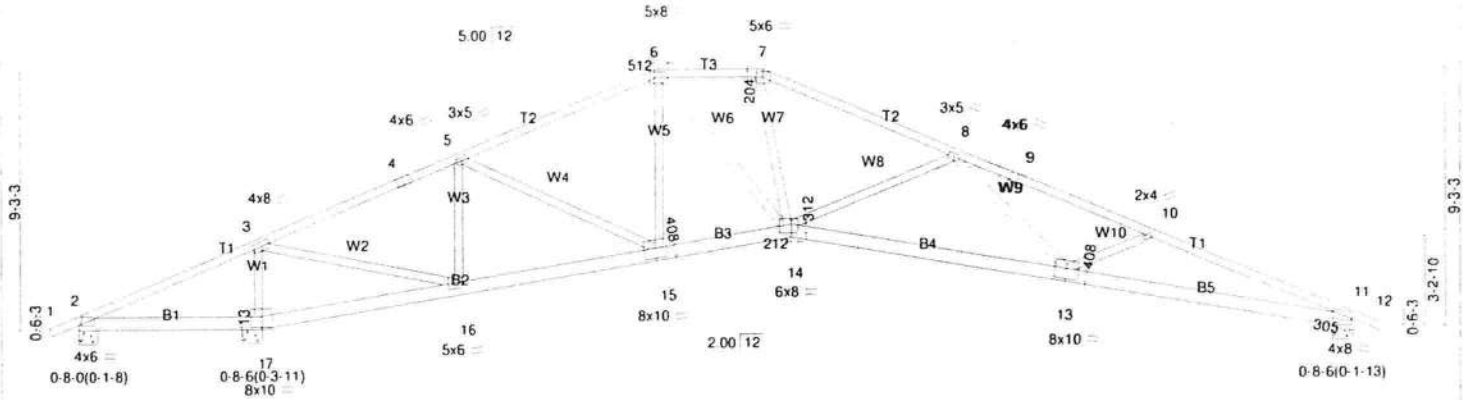
Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	HS1	SPECIAL	2	1	

Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:32 2008 Page 1

-1-0-0	6-8-6	13-10-3	21-0-0	25-0-0	31-10-13	38-9-11	46-0-0	47-0-0
1-0-0	6-8-6	7-1-13	7-1-13	4-0-0	6-10-13	6-10-13	7-2-5	1-0-0

Scale = 1:79.6



6-4-3	6-8-6	13-10-3	21-0-0	26-0-0	35-10-4	46-0-0
6-4-3	0-4-3	7-1-13	7-1-13	5-0-0	9-10-4	10-1-12

Plate Offsets (X,Y): [4:0-3-0,Edge], [6:0-5-12,0-2-8], [7:0-3-0,0-2-4], [9:0-3-0,Edge], [11:0-3-5,0-2-0], [13:0-5-0,0-4-8], [14:0-2-12,0-3-12], [15:0-5-0,0-4-8], [17:0-5-0,0-0-13]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.76	Vert(LL)	-0.36	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.92	Vert(TL)	-0.73	13-14	>645	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.70	Horz(TL)	-0.27	17	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 269 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 2-6-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-0-0 oc bracing.

REACTIONS (lb/size) 2=-672/0-8-0, 17=3124/0-8-6, 11=1575/0-8-6
Max Horz 11=150(LC 6)
Max Uplift2=-714(LC 11), 17=-554(LC 6), 11=-379(LC 7)
Max Grav2=48(LC 7), 17=3124(LC 1), 11=1575(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/14, 2-3=-616/2280, 3-4=-1171/387, 4-5=-1055/399, 5-6=-1961/681, 6-7=-2375/825, 7-8=-2796/861, 8-9=-4155/1221, 9-10=-4268/1210, 10-11=-4501/1408, 11-12=0/11
BOT CHORD 2-17=-2010/643, 16-17=-2191/709, 15-16=-132/1059, 14-15=-239/1785, 13-14=-849/3418, 11-13=-1187/4120
WEBS 3-17=-2404/857, 3-16=-828/3234, 5-16=-992/452, 5-15=-127/848, 6-15=-267/127, 6-14=-227/1020, 8-14=-913/473, 8-13=-73/834, 10-13=-173/316, 7-14=-126/831

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) Bearing at joint(s) 11 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 714 lb uplift at joint 2, 554 lb uplift at joint 17 and 379 lb uplift at joint 11.

LOAD CASE(S) Standard

OCT 15 2008

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

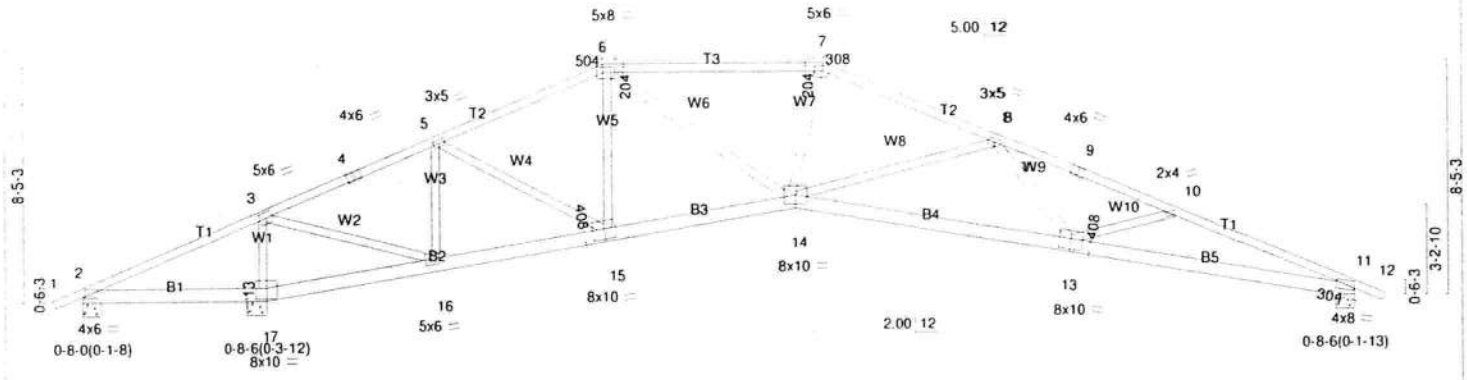
Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	HS2	SPECIAL	1	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida

7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:33 2008 Page 1

-1-0-0	6-8-6	12-10-3	19-0-0	27-0-0	33-2-13	39-5-11	46-0-0	47-0-0
1-0-0	6-8-6	6-1-13	6-1-13	8-0-0	6-2-13	6-2-13	6-6-5	1-0-0

Scale = 1:79.6



6-4-3	6-8-6	12-10-3	19-0-0	26-0-0	35-10-4	46-0-0
6-4-3	0-4-3	6-1-13	6-1-13	7-0-0	9-10-4	10-1-12

Plate Offsets (X,Y): [4:0-3-0,Edge], [6:0-5-4,0-2-4], [7:0-3-8,0-2-4], [9:0-3-0,Edge], [10:0-0-0,0-0-0], [11:0-3-4,0-2-0], [13:0-5-0,0-4-8], [15:0-5-0,0-4-8], [17:0-5-0,0-0-13]

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)	-0.36	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.94	Vert(TL)	-0.72	13-14	>652	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.90	Horz(TL)	-0.28	17	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 265 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 2-8-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-9-11 oc bracing.

REACTIONS (lb/size) 17=3204/0-8-6, 2=-741/0-8-0, 11=1563/0-8-6
Max Horz 11=137(LC 6)
Max Uplift17=-566(LC 5), 2=-799(LC 11), 11=-368(LC 7)
Max Grav 17=3204(LC 1), 2=45(LC 7), 11=1563(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 7-8=-2819/907, 8-9=-4161/1218, 9-10=-4224/1208, 10-11=-4432/1437, 11-12=0/11, 6-7=-2705/902, 1-2=0/14, 2-3=-678/2453, 3-4=-846/279, 4-5=-785/297, 5-6=-1817/661
BOT CHORD 13-14=-911/3564, 11-13=-1217/4053, 16-17=-2355/768, 15-16=-43/758, 14-15=-261/1669, 2-17=-2169/701
WEBS 10-13=-135/314, 8-13=-7/660, 8-14=-977/423, 7-14=-48/744, 6-14=-293/1348, 6-15=-423/217, 5-15=-253/1105, 5-16=-1173/481, 3-16=-813/3094, 3-17=-2463/873

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) Bearing at joint(s) 11 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 566 lb uplift at joint 17, 799 lb uplift at joint 2 and 368 lb uplift at joint 11.

LOAD CASE(S) Standard

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

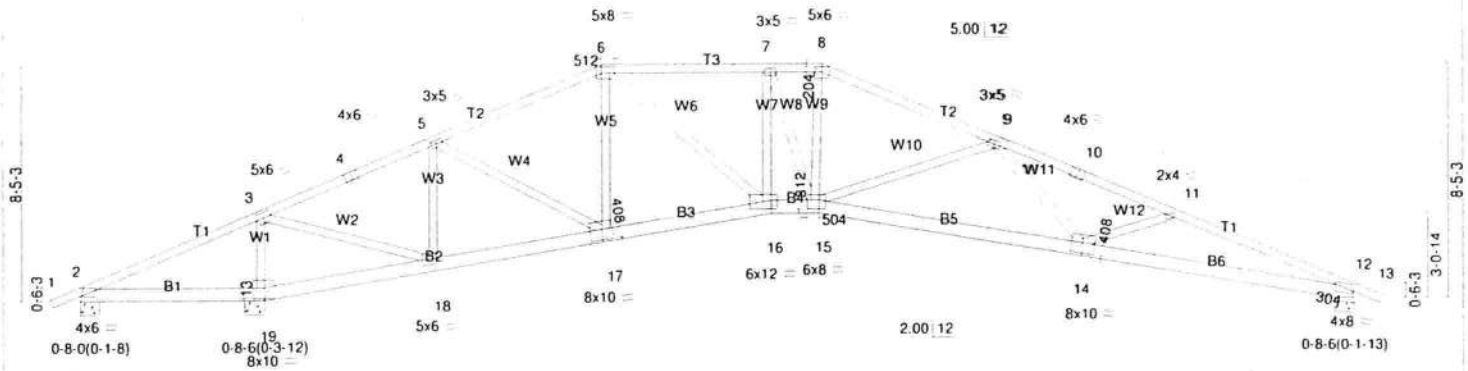
OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	HS3	SPECIAL	1	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:34 2008 Page 1

-1-0-0	6-8-6	12-10-3	19-0-0	25-1-8	33-2-13	39-5-11	46-0-0	47-0-0
1-0-0	6-8-6	6-1-13	6-1-13	6-1-8	8-1-5	6-2-13	6-6-5	1-0-0

Scale = 1:79.6



6-4-3	6-8-6	12-10-3	19-0-0	25-1-8	26-10-8	36-3-8	46-0-0
6-4-3	0-4-3	6-1-13	6-1-13	6-1-8	1-9-0	9-5-0	9-8-8

Plate Offsets (X,Y): [4:0-3-0,Edge], [6:0-5-12,0-2-8], [8:0-3-0,0-2-4], [10:0-3-0,Edge], [11:0-0-0,0-0-0], [12:0-3-4,0-2-0], [14:0-5-0,0-4-8], [15:0-5-4,0-3-12], [17:0-5-0,0-4-8], [19:0-5-0,0-0-13]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.76	Vert(LL)	-0.35	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.94	Vert(TL)	-0.70	14-15	>669	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.67	Horz(TL)	-0.27	19	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 277 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 2-8-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-9-13 oc bracing.

REACTIONS (lb/size) 19=3199/0-8-6, 2=-736/0-8-0, 12=1564/0-8-6
Max Horz 12=137(LC 6)
Max Uplift19=-566(LC 5), 2=-794(LC 11), 12=-368(LC 7)
Max Grav 19=3199(LC 1), 2=43(LC 7), 12=1564(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 8-9=-2923/925, 9-10=-4197/1239, 10-11=-4260/1228, 11-12=-4448/1424, 12-13=0/11, 6-7=-2553/893, 7-8=-2666/906, 1-2=0/14, 2-3=-677/2443, 3-4=-850/282, 4-5=-790/301, 5-6=-1819/656
BOT CHORD 14-15=-923/3558, 12-14=-1205/4064, 15-16=-479/2539, 18-19=-2345/768, 17-18=-47/763, 16-17=-252/1655, 2-19=-2160/701
WEBS 11-14=-110/286, 9-14=-19/668, 9-15=-901/435, 7-15=-129/388, 7-16=-525/187, 6-16=-311/1240, 6-17=-393/209, 5-17=-239/1091, 5-18=-1177/483, 3-18=-816/3092, 3-19=-2457/872, 8-15=-180/893

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) Bearing at joint(s) 12 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 566 lb uplift at joint 19, 794 lb uplift at joint 2 and 368 lb uplift at joint 12.

LOAD CASE(S) Standard

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

OCT 15 2008

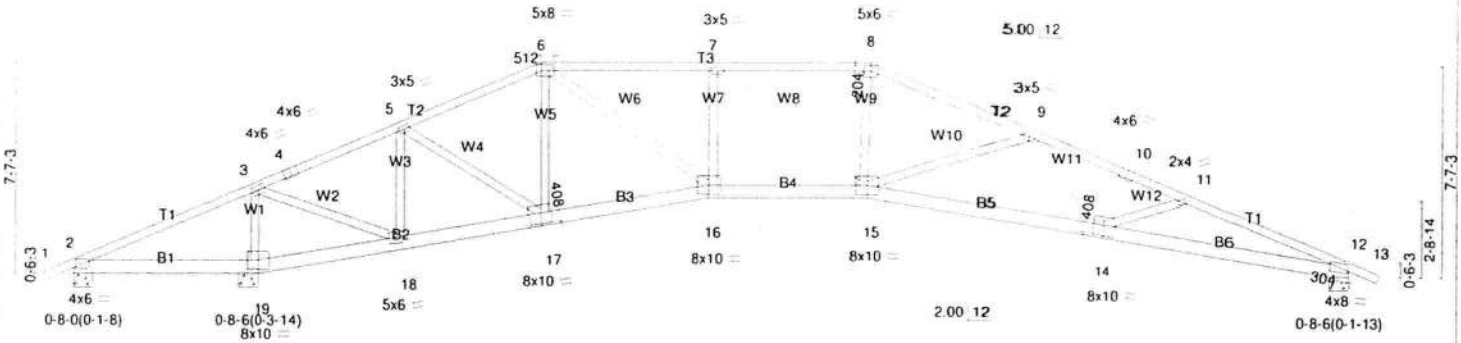
Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	HS4	SPECIAL	1	1	

Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:34 2008 Page 1

-1-0-0	6-8-6	11-10-3	17-0-0	23-1-8	29-0-0	34-6-13	40-1-11	46-0-0	47-0-0
1-0-0	6-8-6	5-1-13	5-1-13	6-1-8	5-10-8	5-6-13	5-6-13	5-10-5	1-0-0

Scale = 1:79.6



6-4-3	6-8-6	11-10-3	17-0-0	23-1-8	28-10-8	37-3-8	46-0-0
6-4-3	0-4-3	5-1-13	5-1-13	6-1-8	5-9-0	8-5-0	8-8-8

Plate Offsets (X,Y): [4:0-3-0,Edge], [6:0-5-12,0-2-8], [8:0-3-0,0-2-4], [10:0-3-0,Edge], [11:0-0-0,0-0-0], [12:0-3-4,0-2-0], [14:0-5-0,0-4-8], [17:0-5-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.77	Vert(LL)	-0.34	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.95	Vert(TL)	-0.67	14-15	>693	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.54	Horz(TL)	-0.27	19	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 271 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 2-9-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-7-1 oc bracing.

REACTIONS (lb/size) 19=3305/0-8-6, 2=-827/0-8-0, 12=1549/0-8-6
Max Horz 12=124(LC 6)
Max Uplift19=-628(LC 5), 2=-901(LC 11), 12=-355(LC 7)
Max Grav 19=3305(LC 1), 2=38(LC 7), 12=1549(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 8-9=-3175/1032, 9-10=-4217/1270, 10-11=-4265/1258, 11-12=-4383/1417, 12-13=0/11, 6-7=-2617/938, 7-8=-2910/1002, 1-2=0/14, 2-3=-757/2667, 3-4=-442/154, 4-5=-388/169, 5-6=-1536/586
BOT CHORD 14-15=-988/3655, 12-14=-1201/3993, 15-16=-578/2633, 18-19=-2557/845, 17-18=0/384, 16-17=-217/1399, 2-19=-2365/775
WEBS 11-14=-26/232, 9-14=-3/525, 9-15=-748/361, 7-15=-148/400, 6-16=-445/1571, 6-17=-619/282, 5-17=-346/1325, 5-18=-1381/527, 3-18=-794/2940, 3-19=-2530/891, 8-15=-169/945, 7-16=-532/304

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) Bearing at joint(s) 12 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 628 lb uplift at joint 19, 901 lb uplift at joint 2 and 355 lb uplift at joint 12.

LOAD CASE(S) Standard

OCT 15 2008

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

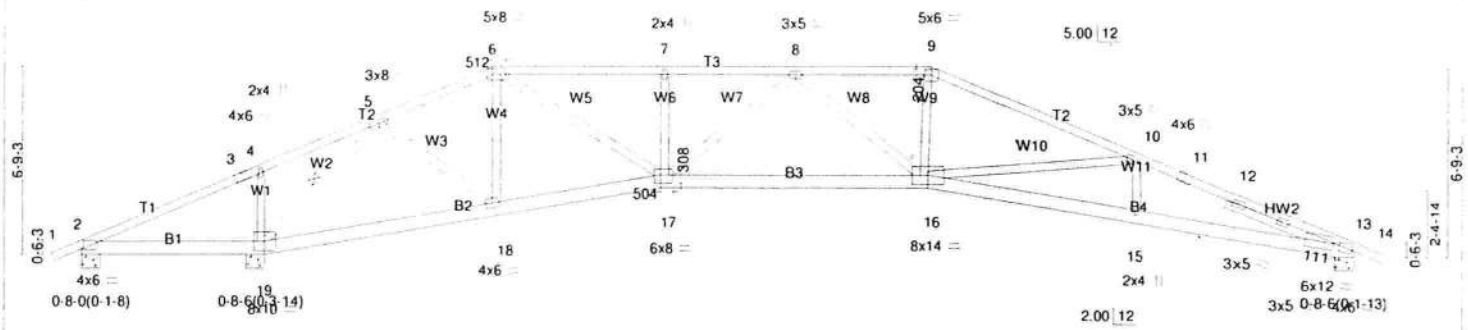
Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	HS5	SPECIAL	1	1	

Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:35 2008 Page 1

-1-0-0	6-8-6	10-10-3	15-0-0	21-1-8	26-0-12	31-0-0	38-4-4	46-0-0	47-0-0
1-0-0	6-8-6	4-1-13	4-1-13	6-1-8	4-11-4	4-11-4	7-4-4	7-7-12	1-0-0

Scale = 1:79.7



6-4-3	6-8-6	15-0-0	21-1-8	30-10-8	38-4-4	46-0-0
6-4-3	0-4-3	8-3-10	6-1-8	9-9-0	7-5-12	7-7-12

Plate Offsets (X,Y): [3:0-3-0,Edge], [6:0-5-12,0-2-8], [9:0-3-0,0-2-4], [11:0-3-0,Edge], [13:0-1-11,0-3-0], [13:0-0-0,0-0-0], [17:0-5-4,0-3-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.81	Vert(LL)	-0.35	16-17	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.76	Vert(TL)	-0.72	16-17	>654	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.65	Horz(TL)	-0.30	19	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 269 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
SLIDER Right 2 X 4 SYP No.2 4-0-13

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-9-3 oc bracing.
WEBS 1 Row at midpt 5-19

REACTIONS (lb/size) 13=1561/0-8-6, 19=3296/0-8-6, 2=-831/0-8-0
Max Horz 13=112(LC 6)
Max Uplift13=-345(LC 7), 19=-666(LC 5), 2=-929(LC 11)
Max Grav 13=1561(LC 1), 19=3296(LC 1), 2=49(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 9-10=-3594/1160, 10-11=-4335/1394, 11-12=-4362/1386, 12-13=-4430/1377, 13-14=0/11, 6-7=-2803/1009, 7-8=-2802/1009, 8-9=-3309/1137, 1-2=0/14, 2-3=-784/2564, 3-4=-760/2617, 4-5=-636/2529, 5-6=-1283/508
BOT CHORD 15-16=-1167/4071, 13-15=-1164/4050, 16-17=-842/3157, 18-19=-201/111, 17-18=-178/1179, 2-19=-2325/800
WEBS 10-15=0/227, 8-16=-85/230, 8-17=-492/213, 6-17=-602/1970, 6-18=-844/365, 5-18=-348/1509, 5-19=-3371/1034, 4-19=-407/315, 7-17=-270/252, 9-16=-163/1024, 10-16=-722/349

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) Bearing at joint(s) 13 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 345 lb uplift at joint 13, 666 lb uplift at joint 19 and 929 lb uplift at joint 2.

LOAD CASE(S) Standard

OCT 15 2008

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

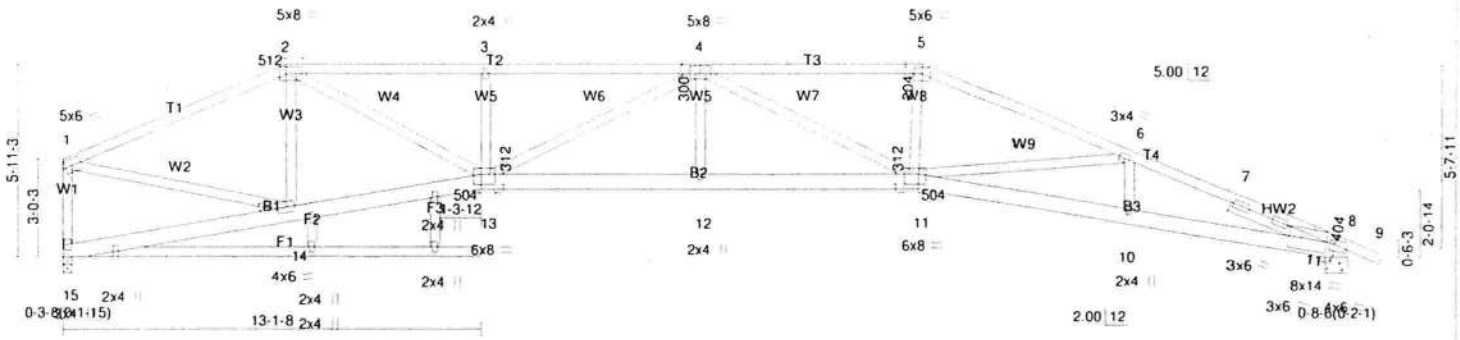
Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	HS6S	SPECIAL	1	1	

Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:36 2008 Page 1

7-0-0	13-1-8	20-0-12	33-4-4	40-0-0	41-0-0
7-0-0	6-1-8	6-11-4	13-3-8	6-7-12	1-0-0

Scale = 1:68.4



7-0-0	20-0-12	26-10-8	33-4-4	40-0-0
7-0-0	13-0-12	6-9-12	6-5-12	6-7-12

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.72	Vert(LL)	-0.46	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.82	Vert(TL)	-0.91	11-12	>522	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.68	Horz(TL)	-0.42	15	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 262 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2 *Except*
T4 2 X 4 SYP No.1D
BOT CHORD 2 X 6 SYP No.2 *Except*
F1 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.2
SLIDER Right 2 X 4 SYP No.2 3-2-6

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-1-12 oc bracing.
JOINTS 1 Brace at Jt(s): 14

REACTIONS (lb/size) 8=1764/0-8-6, 15=1698/0-3-8
Max Horz 8=-174(LC 7)
Max Uplift8=-352(LC 5), 15=-328(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 5-6=-4644/1622, 6-7=-5044/1691, 7-8=-5096/1680, 8-9=0/11, 2-3=-4312/1587, 3-4=-4312/1587, 4-5=-4311/1567, 1-2=-2478/875, 1-15=-1576/614
BOT CHORD 10-11=-1609/4680, 8-10=-1600/4653, 12-13=-1652/4884, 11-12=-1652/4883, 14-15=-69/137, 13-14=-736/2255
WEBS 6-10=0/167, 6-11=-340/245, 4-11=-811/246, 4-12=0/278, 4-13=-677/223, 2-13=-838/2415, 2-14=-546/351, 1-14=-685/2174, 3-13=-304/268, 5-11=-332/1419

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, 15 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 352 lb uplift at joint 8 and 328 lb uplift at joint 15.

LOAD CASE(S) Standard

OCT 15 2008

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

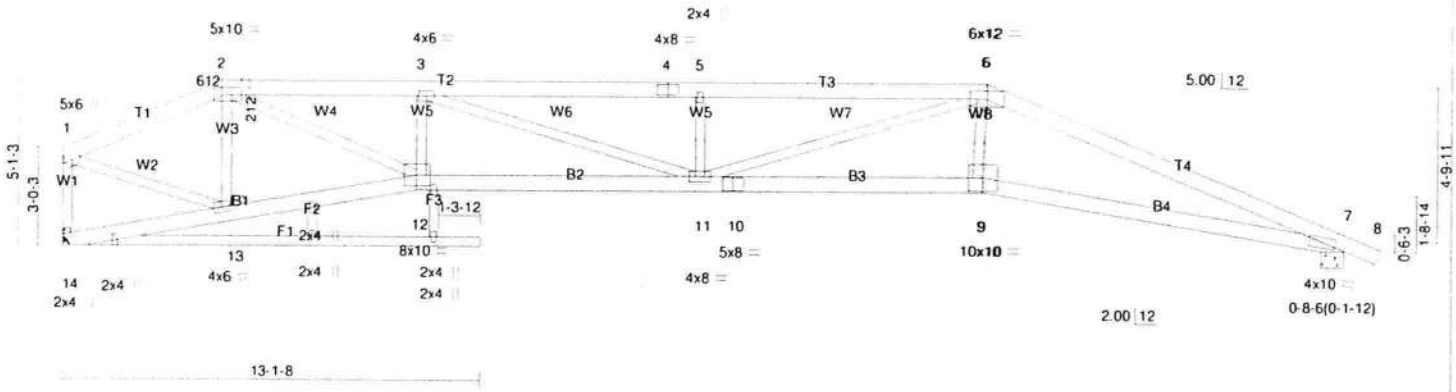
Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	HS7S	SPECIAL	1	1	

Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:37 2008 Page 1

5-0-0	11-1-8	20-0-12	29-0-0	34-4-4	40-0-0	41-0-0
5-0-0	6-1-8	8-11-4	8-11-4	5-4-4	5-7-12	1-0-0

Scale = 1:68.4



5-0-0	11-1-8	20-0-12	28-10-8	34-4-4	40-0-0
5-0-0	6-1-8	8-11-4	8-9-12	5-5-12	5-7-12

Plate Offsets (X,Y): [2:0-6-12,0-2-12], [7:0-0-0,0-0-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.56	Vert(LL)	-0.51	11-12	>934	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.80	Vert(TL)	-1.01	11-12	>468	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.73	Horz(TL)	-0.41	14	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 279 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.2
BOT CHORD 2 X 6 SYP No.2 *Except*
B4 2 X 6 SYP No.1D, F1 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-10-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-1-3 oc bracing.
JOINTS 1 Brace at Jt(s): 13

REACTIONS (lb/size) 7=1766/0-8-6, 14=1698/Mechanical
Max Horz 7=-164(LC 7)
Max Uplift7=-373(LC 5), 14=-353(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 6-7=-5276/1802, 7-8=0/16, 2-3=-4740/1736, 3-4=-5880/2139, 4-5=-5880/2139, 5-6=-5881/2139, 1-2=-2140/770, 1-14=-1611/612
BOT CHORD 7-9=-1682/4875, 11-12=-1663/4775, 10-11=-1655/4823, 9-10=-1655/4823, 13-14=-23/73, 12-13=-658/1954
WEBS 6-11=-409/1363, 5-11=-410/365, 3-11=-401/1190, 2-12=-1100/3134, 2-13=-790/404, 1-13=-683/2007, 3-12=-731/459, 6-9=-176/1241

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) 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 373 lb uplift at joint 7 and 353 lb uplift at joint 14.

LOAD CASE(S) Standard

OCT 15 2008

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

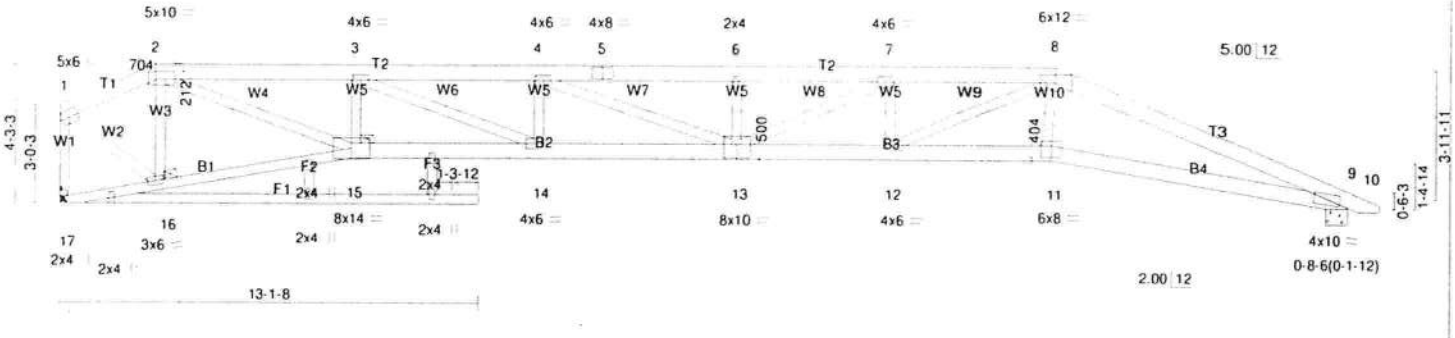
Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	HS8S	SPECIAL	1	1	

Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:38 2008 Page 1

3-0-0	9-1-8	16-5-0	23-8-8	31-0-0	35-4-4	40-0-0	41-0-0
3-0-0	6-1-8	7-3-8	7-3-8	7-3-8	4-4-4	4-7-12	1-0-0

Scale = 1:68.1



3-0-0	9-1-8	16-5-0	23-8-8	30-10-8	40-0-0
3-0-0	6-1-8	7-3-8	7-3-8	7-2-0	9-1-8

Plate Offsets (X,Y): [2:0-7-4,0-2-12], [9:0-0-0,0-0-0], [11:0-4-0,0-4-4], [13:0-5-0,0-5-0]

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)	-0.60	13-14	>790	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.80	Vert(TL)	-1.19	13-14	>398	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.84	Horz(TL)	-0.45	17	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 276 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.2 *Except*
T2 2 X 6 SYP No.1D, T2 2 X 6 SYP No.1D
BOT CHORD 2 X 6 SYP No.1D *Except*
B1 2 X 4 SYP No.2, F1 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-6-1 oc bracing.
JOINTS 1 Brace at Jt(s): 15, 16

REACTIONS (lb/size) 9=1745/0-8-6, 17=1699/Mechanical
Max Horz 9=-140(LC 7)
Max Uplift9=-372(LC 5), 17=-378(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 8-9=-5394/1884, 9-10=0/8, 2-3=-4787/1754, 3-4=-6560/2397, 4-5=-6954/2537, 5-6=-6954/2537, 6-7=-6952/2535, 7-8=-6265/2286, 1-2=-1542/560, 1-17=-1672/609
BOT CHORD 9-11=-1775/4974, 14-15=-1726/4839, 13-14=-2340/6560, 12-13=-2229/6265, 11-12=-1751/4935, 16-17=-6/28, 15-16=-489/1408
WEBS 3-15=-972/509, 2-15=-1315/3682, 2-16=-1073/510, 1-16=-620/1759, 4-14=-433/312, 3-14=-667/1873, 6-13=-267/252, 4-13=-150/432, 7-12=-559/273, 7-13=-278/814, 8-11=-213/1139, 8-12=-530/1644

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) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 372 lb uplift at joint 9 and 378 lb uplift at joint 17.

LOAD CASE(S) Standard

OCT 15 2008

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	HSGRD1S	SPECIAL	1	3	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:39 2008 Page 1

1-0-0	5-6-0	10-0-0	11-1-6	16-7-0	22-0-11	27-6-5	33-0-0	36-2-7	40-0-0	41-0-0
1-0-0	4-6-0	4-6-0	1-1-6	5-5-11	5-5-11	5-5-11	5-5-11	3-2-7	3-9-9	1-0-0

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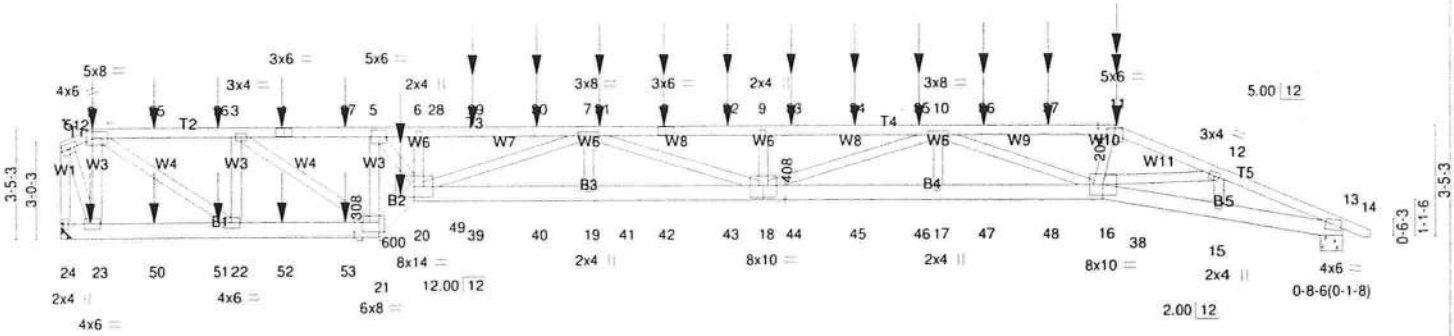


5-6-0	10-0-0	11-1-6	16-7-0	22-0-11	27-6-5	32-7-8	36-2-7	40-0-0
5-6-0	4-6-0	1-1-6	5-5-11	5-5-11	5-5-11	5-1-3	3-6-15	3-9-9

Plate Offsets (X,Y): [2:0-5-12,0-2-8], [11:0-3-0,0-2-4], [13:0-0-0,0-0-0], [18:0-5-0,0-4-8], [21:0-6-0,0-3-8]

LOADING (psf)		SPACING	1-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.52	Vert(LL)	0.67	18-19	>711	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.89	Vert(TL)	-1.31	18-19	>361	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.50	Horz(TL)	-0.36	24	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 732 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 5-9-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 13=2856/0-8-6, 24=2901/Mechanical
Max Horz 13=-64(LC 6)
Max Uplift13=-1416(LC 6), 24=-1181(LC 5)
Max Grav 13=2856(LC 1), 24=2923(LC 9)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 11-12=-9708/4864, 12-13=-8367/4164, 13-14=0/3, 2-25=-4439/1851, 25-26=-4439/1851, 3-26=-4439/1851, 3-4=-7307/3141, 4-27=-7307/3141, 5-27=-7307/3141, 5-28=-11743/5108, 6-28=-11743/5108, 6-29=-11743/5108, 29-30=-11743/5108, 7-30=-11743/5108, 7-31=-14903/6806, 8-31=-14903/6806, 8-32=-14903/6806, 9-32=-14903/6806, 9-33=-14903/6806, 33-34=-14903/6806, 34-35=-14903/6806, 10-35=-14903/6806, 10-36=-9587/4804, 36-37=-9587/4804, 11-37=-9587/4804, 1-2=-1102/453, 1-24=-2820/1153

BOT CHORD 16-38=-3872/7642, 15-38=-3791/7534, 13-15=-3776/7503, 20-39=-6576/14760, 39-40=-6576/14760, 19-40=-6576/14760, 19-41=-6576/14760, 41-42=-6576/14760, 42-43=-6576/14760, 18-43=-6576/14760, 18-44=-6277/13314, 44-45=-6277/13314, 45-46=-6277/13314, 17-46=-6277/13314, 17-47=-6277/13314, 47-48=-6277/13314, 16-48=-6277/13314, 21-49=-3678/8640, 20-49=-3674/8702, 23-24=-49/120, 23-50=-350/867, 50-51=-350/867, 22-51=-350/867, 22-52=-1846/4438, 52-53=-1847/4440, 21-53=-1848/4441

WEBS 12-15=-183/105, 12-16=-814/1621, 10-16=-4017/1598, 10-17=0/415, 10-18=-572/1715, 9-18=-386/364, 7-18=-239/152, 7-19=-57/590, 7-20=-3213/1568, 6-20=-247/302, 5-20=-3597/8135, 5-21=-6757/2891, 3-21=-1552/3450, 3-22=-2249/918, 2-23=-2116/806, 1-23=-973/2432, 2-22=-1813/4322, 11-16=-1599/3423

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 0-8-0 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.

Continued on page 2

OCT 15 2008

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

NOTES

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) Refer to girder(s) for truss to truss connections.
8) Bearing at joint(s) 13 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1416 lb uplift at joint 13 and 1181 lb uplift at joint 24.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 119 lb down and 114 lb up at 33-0-0, 108 lb down and 122 lb up at 30-11-4, 108 lb down and 122 lb up at 28-11-4, 108 lb down and 122 lb up at 26-11-4, 108 lb down and 122 lb up at 24-11-4, 108 lb down and 122 lb up at 22-11-4, 108 lb down and 122 lb up at 20-11-4, 108 lb down and 122 lb up at 18-11-4, 108 lb down and 122 lb up at 16-11-4, 108 lb down and 122 lb up at 14-11-4, 108 lb down and 122 lb up at 12-11-4, 108 lb down and 122 lb up at 10-11-4, 86 lb down and 1 lb up at 8-11-4, 86 lb down and 1 lb up at 6-11-4, 86 lb down and 1 lb up at 4-11-4, and 86 lb down and 1 lb up at 2-11-4, and 118 lb down and 1 lb up at 1-0-0 on top chord, and 690 lb down and 518 lb up at 33-0-0, 98 lb down at 30-11-4, 98 lb down at 28-11-4, 98 lb down at 26-11-4, 98 lb down at 24-11-4, 98 lb down at 22-11-4, 98 lb down at 20-11-4, 98 lb down at 18-11-4, 98 lb down at 16-11-4, 98 lb down at 14-11-4, 98 lb down at 12-11-4, 98 lb down at 10-11-4, 105 lb down and 84 lb up at 8-11-4, 105 lb down and 84 lb up at 6-11-4, 105 lb down and 84 lb up at 4-11-4, and 105 lb down and 84 lb up at 2-11-4, and 105 lb down and 84 lb up at 0-11-4 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: 11-14=-23, 2-11=-23, 1-2=-23, 13-16=-20, 16-20=-20, 20-21=-20, 21-24=-20
   Concentrated Loads (lb)
   Vert: 11=-119(B) 8=-108(B) 2=-86(B) 16=-90(B) 4=-86(B) 23=-105(B) 25=-86(B) 26=-86(B) 27=-86(B) 28=-108(B) 29=-108(B) 30=-108(B) 31=-108(B) 32=-108(B) 33=-108(B) 34=-108(B) 35=-108(B) 36=-108(B) 37=-108(B) 38=-599(B) 39=-98(B) 40=-98(B) 41=-98(B) 42=-98(B) 43=-98(B) 44=-98(B) 45=-98(B) 46=-98(B) 47=-98(B) 48=-98(B) 49=-98(B) 50=-105(B) 51=-105(B) 52=-105(B) 53=-105(B)

TOMAS PONCE
LICENSE
No. 50068
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

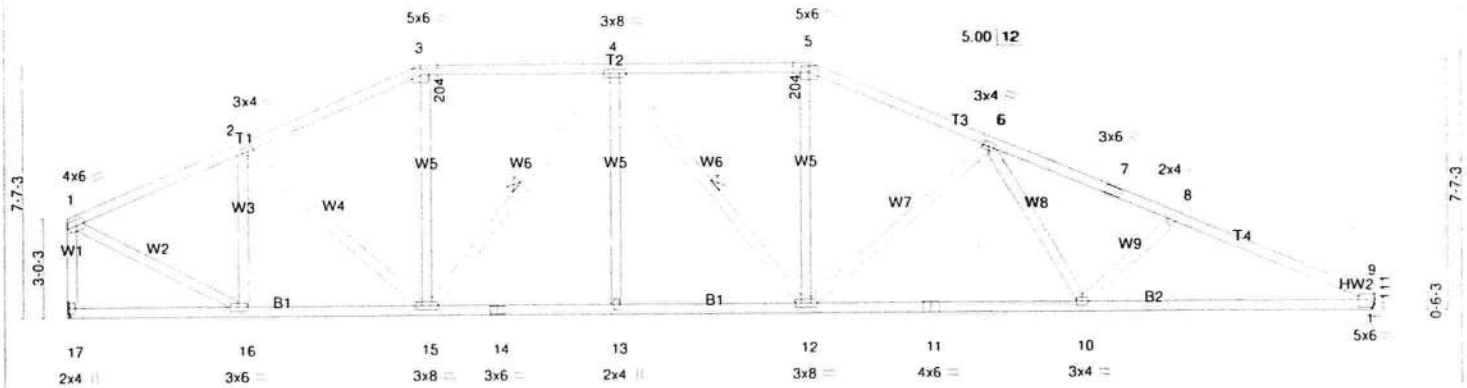
OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	H1S	HIP	1	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:10 2008 Page 1

5-5-8	11-0-0	17-0-0	23-0-0	28-5-8	33-11-1	40-0-0
5-5-8	5-6-8	6-0-0	6-0-0	5-5-9	5-5-9	6-0-15

Scale = 1:67.3



5-5-8	11-0-0	17-0-0	23-0-0	31-2-4	40-0-0
5-5-8	5-6-8	6-0-0	6-0-0	8-2-4	8-9-12

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.59	Vert(LL)	-0.26	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.91	Vert(TL)	-0.54	10-12	>889	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.56	Horz(TL)	-0.15	17	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 236 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
WEDGE
Right: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-8-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-9-8 oc bracing.
WEBS 1 Row at midpt 4-12, 4-15

REACTIONS (lb/size) 9=1711/Mechanical, 17=1711/Mechanical
Max Horz 9=-184(LC 7)
Max Uplift9=-306(LC 7), 17=-281(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 5-6=-2548/946, 6-7=-3318/1112, 7-8=-3371/1095, 8-9=-3545/1185, 3-4=-1897/782, 4-5=-2323/922, 1-2=-1799/620, 2-3=-2091/796, 1-17=-1604/584
BOT CHORD 16-17=-28/71, 15-16=-515/1617, 14-15=-718/2305, 13-14=-718/2305, 12-13=-718/2305, 11-12=-934/2788, 10-11=-934/2788, 9-10=-1137/3198
WEBS 8-10=-191/234, 6-10=-67/578, 6-12=-646/304, 5-12=-125/690, 4-12=-129/87, 4-13=0/217, 4-15=-725/235, 3-15=-67/521, 2-15=-72/431, 2-16=-593/330, 1-16=-550/1744

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 306 lb uplift at joint 9 and 281 lb uplift at joint 17.

LOAD CASE(S) Standard

TOMAS PONCE
LICENSE
No. 50068
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

OCT 15 2008

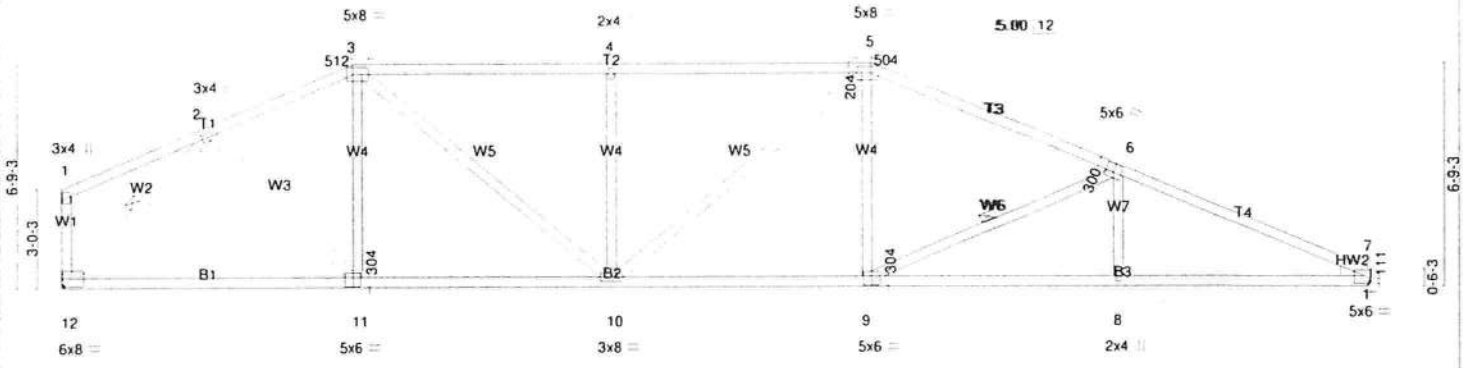
Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	H2S	HIP	1	1	

Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:11 2008 Page 1

4-7-12	9-0-0	17-0-0	25-0-0	32-4-11	40-0-0
4-7-12	4-4-4	8-0-0	8-0-0	7-4-11	7-7-5

Scale = 1:67.3



9-0-0	17-0-0	25-0-0	32-4-11	40-0-0
9-0-0	8-0-0	8-0-0	7-4-11	7-7-5

Plate Offsets (X,Y): [3:0-5-12,0-2-8], [5:0-5-4,0-2-4], [6:0-3-0,0-3-0], [7:0-0-1,0-1-11], [9:0-3-0,0-3-4], [11:0-3-0,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.69	Vert(LL)	-0.26	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.93	Vert(TL)	-0.54	9-10	>880	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.56	Horz(TL)	-0.16	12	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 218 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
WEDGE
Right: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-7-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 6-9, 2-12

REACTIONS (lb/size) 7=1711/Mechanical, 12=1711/Mechanical
Max Horz 7=-171(LC 7)
Max Uplift7=-290(LC 7), 12=-306(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 5-6=-2797/1008, 6-7=-3576/1172, 3-4=-2636/1039, 4-5=-2636/1039, 1-2=-187/52, 2-3=-2079/777, 1-12=-177/100
BOT CHORD 11-12=-496/1421, 10-11=-586/1892, 9-10=-819/2534, 8-9=-1112/3222, 7-8=-1112/3222
WEBS 6-8=0/334, 6-9=-773/323, 5-9=-37/622, 5-10=-72/290, 4-10=-392/356, 3-10=-360/1012, 3-11=-160/201, 2-11=-134/717, 2-12=-1873/721

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 290 lb uplift at joint 7 and 306 lb uplift at joint 12.

LOAD CASE(S) Standard

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

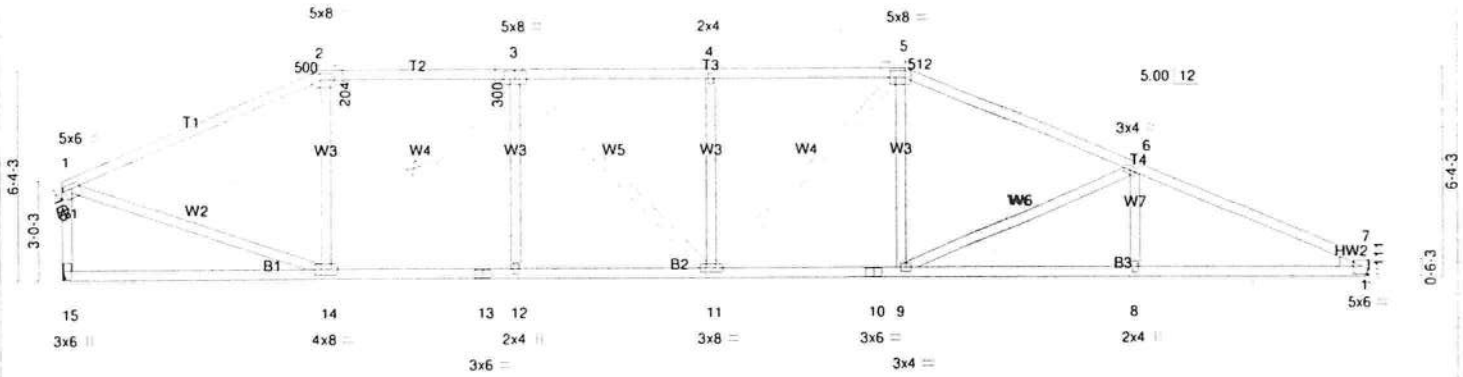
OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	H3S	HIP	1	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:12 2008 Page 1

8-0-0	14-0-0	20-0-0	26-0-0	32-10-11	40-0-0
8-0-0	6-0-0	6-0-0	6-0-0	6-10-11	7-1-5

Scale = 1:67.3



8-0-0	14-0-0	20-0-0	26-0-0	32-10-11	40-0-0
8-0-0	6-0-0	6-0-0	6-0-0	6-10-11	7-1-5

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.58	Vert(LL)	-0.24	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.89	Vert(TL)	-0.50	8-9	>962	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.64	Horz(TL)	-0.16	15	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 224 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
WEDGE
Right: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-9-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-8-13 oc bracing.
WEBS 1 Row at midpt 3-14

REACTIONS (lb/size) 7=1711/Mechanical, 15=1711/Mechanical
Max Horz 7=-165(LC 7)
Max Uplift7=-285(LC 4), 15=-319(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 5-6=-2878/1039, 6-7=-3603/1188, 2-3=-1864/755, 3-4=-2849/1105, 4-5=-2849/1105, 1-2=-2079/747, 1-15=-1545/618
BOT CHORD 14-15=-63/161, 13-14=-860/2586, 12-13=-860/2586, 11-12=-860/2586, 10-11=-861/2611, 9-10=-861/2611, 8-9=-1132/3246, 7-8=-1132/3246
WEBS 6-8=0/318, 6-9=-714/298, 5-9=-44/548, 5-11=-128/467, 4-11=-288/255, 3-11=-129/401, 3-12=0/223, 3-14=-1102/372, 2-14=0/524, 1-14=-571/1791

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 285 lb uplift at joint 7 and 319 lb uplift at joint 15.

LOAD CASE(S) Standard

TOMAS PONCE
LICENSE
No. 50068
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

OCT 15 2008

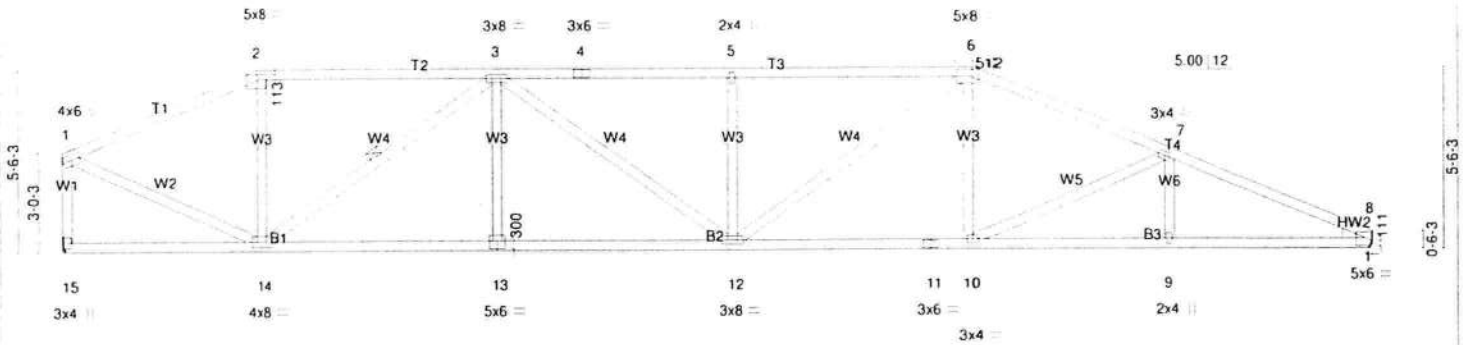
Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	H4S	HIP	1	1	

Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:13 2008 Page 1

6-0-0	13-4-9	20-7-7	28-0-0	33-10-11	40-0-0
6-0-0	7-4-9	7-2-13	7-4-9	5-10-11	6-1-5

Scale = 1:67.3



6-0-0	13-4-9	20-7-7	28-0-0	33-10-11	40-0-0
6-0-0	7-4-9	7-2-13	7-4-9	5-10-11	6-1-5

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.43	Vert(LL)	-0.30	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.82	Vert(TL)	-0.61	10-12	>786	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.50	Horz(TL)	-0.18	15	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
WEDGE
Right: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-11-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-8-12 oc bracing.
WEBS 1 Row at midpt 3-14

REACTIONS (lb/size) 8=1711/Mechanical, 15=1711/Mechanical
Max Horz 8=-152(LC 7)
Max Uplift8=-303(LC 4), 15=-344(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 6-7=-3074/1107, 7-8=-3625/1212, 2-3=-1729/692, 3-4=-3325/1265, 4-5=-3325/1265, 5-6=-3325/1265, 1-2=-1908/692, 1-15=-1599/615
BOT CHORD 14-15=-28/72, 13-14=-1023/2963, 12-13=-1023/2963, 11-12=-958/2806, 10-11=-958/2806, 9-10=-1160/3263, 8-9=-1160/3263
WEBS 7-9=0/255, 7-10=-519/223, 6-10=-12/485, 6-12=-235/748, 5-12=-346/317, 3-12=-157/467, 3-13=0/292, 3-14=-1559/549, 2-14=0/456, 1-14=-606/1813

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 303 lb uplift at joint 8 and 344 lb uplift at joint 15.

LOAD CASE(S) Standard

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

OCT 15 2008

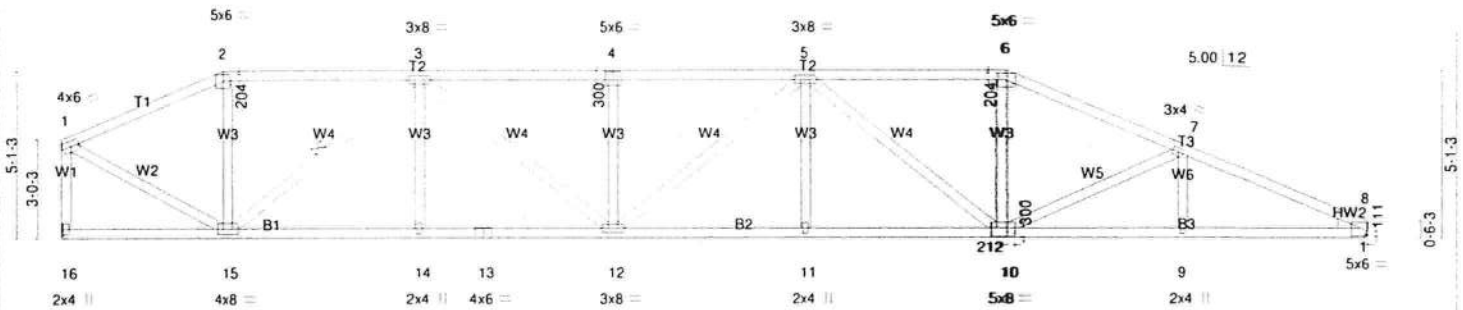
Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	H5S	HIP	1	1	

Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:14 2008 Page 1

5-0-0	11-0-14	17-0-0	22-11-2	29-0-0	34-4-11	40-0-0
5-0-0	6-0-14	5-11-2	5-11-2	6-0-14	5-4-11	5-7-5

Scale = 1:67.3



5-0-0	11-0-14	17-0-0	22-11-2	29-0-0	34-4-11	40-0-0
5-0-0	6-0-14	5-11-2	5-11-2	6-0-14	5-4-11	5-7-5

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.36	Vert(LL)	-0.31	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.78	Vert(TL)	-0.62	11-12	>773	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.78	Horz(TL)	-0.19	16	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 222 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
WEDGE
Right: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-8-12 oc bracing.
WEBS 1 Row at midpt 3-15

REACTIONS (lb/size) 8=1711/Mechanical, 16=1711/Mechanical
Max Horz 8=-146(LC 7)
Max Uplift8=-312(LC 4), 16=-356(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 6-7=-3162/1137, 7-8=-3636/1224, 2-3=-1600/638, 3-4=-3504/1324, 4-5=-3504/1324, 5-6=-2876/1094, 1-2=-1759/642, 1-16=-1616/615
BOT CHORD 15-16=-20/52, 14-15=-1003/2871, 13-14=-1003/2871, 12-13=-1003/2871, 11-12=-1232/3515, 10-11=-1232/3515, 9-10=-1176/3271, 8-9=-1176/3271
WEBS 7-9=0/229, 7-10=-438/200, 6-10=-199/928, 5-10=-904/296, 5-11=0/241, 5-12=-29/59, 4-12=-269/251, 3-12=-290/827, 3-14=0/240, 3-15=-1662/592, 2-15=-10/451, 1-15=-597/1755

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 312 lb uplift at joint 8 and 356 lb uplift at joint 16.

LOAD CASE(S) Standard

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

OCT 15 2008

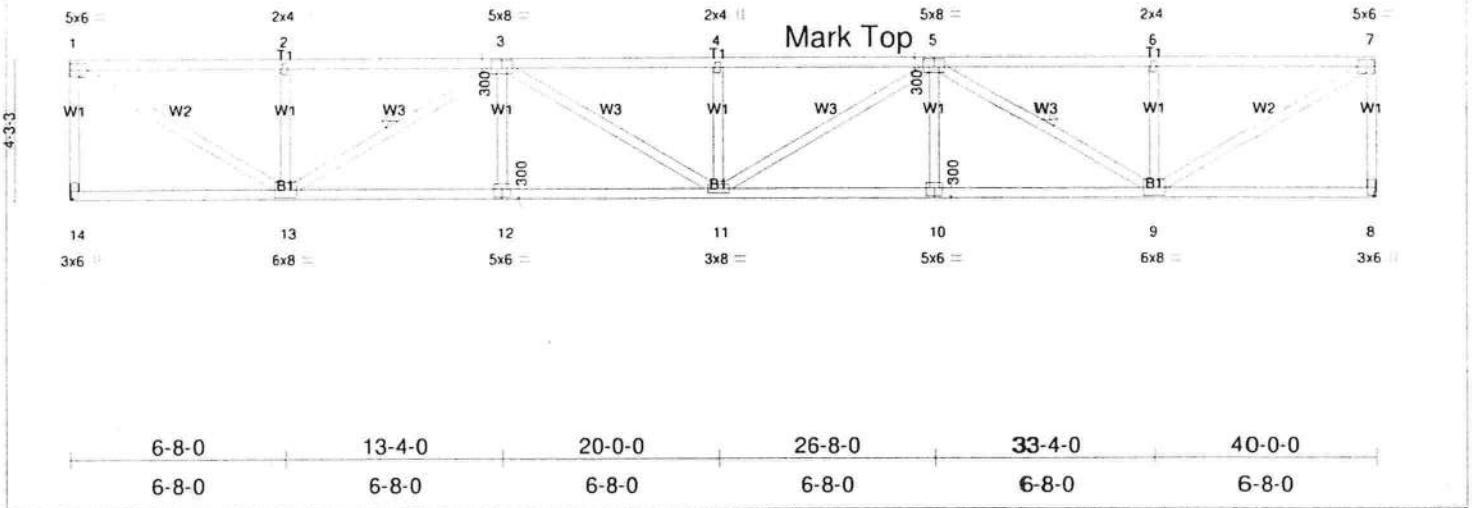
Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	B1	SPECIAL	1	1	

Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:03 2008 Page 1

6-8-0	13-4-0	20-0-0	26-8-0	33-4-0	40-0-0
6-8-0	6-8-0	6-8-0	6-8-0	6-8-0	6-8-0

Scale = 1:67.5



6-8-0	13-4-0	20-0-0	26-8-0	33-4-0	40-0-0
6-8-0	6-8-0	6-8-0	6-8-0	6-8-0	6-8-0

Plate Offsets (X,Y): [3:0-4-0,0-3-0], [5:0-4-0,0-3-0], [10:0-3-0,0-3-0], [12:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.70	Vert(LL)	-0.40	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.83	Vert(TL)	-0.80	11-12	>597	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.86	Horz(TL)	0.18	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 223 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 2-9-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-4-0 oc bracing.
WEBS 1 Row at midpt 3-13, 5-9

REACTIONS (lb/size) 14=1707/Mechanical, 8=1707/Mechanical
Max Uplift14=-418(LC 4), 8=-418(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-14=-1577/646, 1-2=-2415/872, 2-3=-2415/872, 3-4=-4336/1565, 4-5=-4336/1565, 5-6=-2415/872, 6-7=-2415/872, 7-8=-1577/646
BOT CHORD 13-14=-25/68, 12-13=-1393/3856, 11-12=-1393/3856, 10-11=-1393/3856, 9-10=-1393/3856, 8-9=-25/68
WEBS 1-13=-992/2749, 2-13=-307/297, 3-13=-1677/606, 3-12=0/266, 3-11=-201/559, 4-11=-306/288, 5-11=-201/559, 5-10=0/266, 5-9=-1677/606, 6-9=-307/297, 7-9=-992/2749

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 418 lb uplift at joint 14 and 418 lb uplift at joint 8.

LOAD CASE(S) Standard

TOMAS PONCE LICENSE No. 50088 STATE OF FLORIDA PROFESSIONAL ENGINEER

OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	BGRD1	SPECIAL	1	2	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida

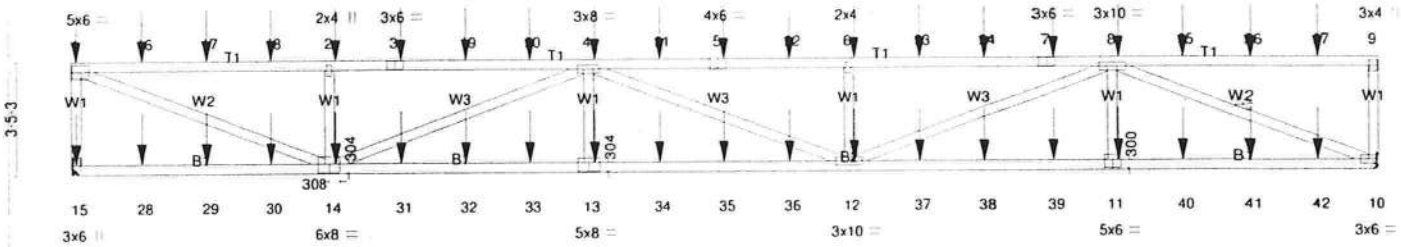
7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:05 2008 Page 1

8-0-0 16-0-0 24-0-0 32-0-0 40-0-0

8-0-0 8-0-0 8-0-0 8-0-0 8-0-0

Scale = 1:67.5

Mark Top



8-0-0 16-0-0 24-0-0 32-0-0 40-0-0

8-0-0 8-0-0 8-0-0 8-0-0 8-0-0

Plate Offsets (X,Y): [5:0-3-0,Edge], [11:0-3-0,0-3-0], [13:0-4-0,0-3-4], [14:0-3-8,0-3-4]

LOADING (psf)		SPACING	1-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.83	Vert(LL)	0.75	12-13	>635	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.82	Vert(TL)	-1.10	12-13	>432	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.87	Horz(TL)	0.18	10	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 410 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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-7-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-2-0 oc bracing.
WEBS 1 Row at midpt 8-10

REACTIONS (lb/size) 15=3030/Mechanical, 10=2848/Mechanical
Max Uplift15=-1833(LC 9), 10=-1697(LC 9)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-15=-2676/1670, 1-16=-6079/3645, 16-17=-6079/3645, 17-18=-6079/3645, 2-18=-6079/3645, 2-3=-6079/3645, 3-19=-6079/3645, 19-20=-6079/3645, 4-20=-6079/3645, 4-21=-9072/5440, 5-21=-9072/5440, 5-22=-9072/5440, 6-22=-9072/5440, 6-23=-9072/5440, 23-24=-9072/5440, 7-24=-9072/5440, 7-8=-9072/5440, 8-25=-228/137, 25-26=-228/137, 26-27=-228/137, 9-27=-228/137, 9-10=-250/195
BOT CHORD 15-28=-137/229, 28-29=-137/229, 29-30=-137/229, 14-30=-137/229, 14-31=-5446/9081, 31-32=-5446/9081, 32-33=-5446/9081, 13-33=-5446/9081, 13-34=-5446/9081, 34-35=-5446/9081, 35-36=-5446/9081, 12-36=-5446/9081, 12-37=-3644/6078, 37-38=-3644/6078, 38-39=-3644/6078, 11-39=-3644/6078, 11-40=-3644/6078, 40-41=-3644/6078, 41-42=-3644/6078, 10-42=-3644/6078
WEBS 1-14=-3778/6301, 2-14=-569/466, 4-14=-3225/1934, 4-13=-243/603, 4-12=-9/6, 6-12=-574/463, 8-12=-1930/3216, 8-11=-235/595, 8-10=-6301/3777

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 4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-02; 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.
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 1833 lb uplift at joint 15 and 1697 lb uplift at joint 10.

Continued on page 2

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

OCT 15 2008

NOTES

8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 98 lb down and 83 lb up at 0-1-12, 98 lb down and 83 lb up at 2-2-4, 98 lb down and 83 lb up at 4-2-4, 98 lb down and 83 lb up at 6-2-4, 98 lb down and 83 lb up at 8-2-4, 98 lb down and 83 lb up at 10-2-4, 98 lb down and 83 lb up at 12-2-4, 98 lb down and 83 lb up at 14-2-4, 98 lb down and 83 lb up at 16-2-4, 98 lb down and 83 lb up at 18-2-4, 98 lb down and 83 lb up at 20-2-4, 98 lb down and 83 lb up at 22-2-4, 98 lb down and 83 lb up at 24-2-4, 98 lb down and 83 lb up at 26-2-4, 98 lb down and 83 lb up at 28-2-4, 98 lb down and 83 lb up at 30-2-4, 98 lb down and 83 lb up at 32-2-4, 98 lb down and 83 lb up at 34-2-4, and 98 lb down and 83 lb up at 36-2-4, and 98 lb down and 83 lb up at 38-2-4 on top chord, and 110 lb down and 72 lb up at 0-1-12, 110 lb down and 72 lb up at 2-2-4, 110 lb down and 72 lb up at 4-2-4, 110 lb down and 72 lb up at 6-2-4, 110 lb down and 72 lb up at 8-2-4, 110 lb down and 72 lb up at 10-2-4, 110 lb down and 72 lb up at 12-2-4, 110 lb down and 72 lb up at 14-2-4, 110 lb down and 72 lb up at 16-2-4, 110 lb down and 72 lb up at 18-2-4, 110 lb down and 72 lb up at 20-2-4, 110 lb down and 72 lb up at 22-2-4, 110 lb down and 72 lb up at 24-2-4, 110 lb down and 72 lb up at 26-2-4, 110 lb down and 72 lb up at 28-2-4, 110 lb down and 72 lb up at 30-2-4, 110 lb down and 72 lb up at 32-2-4, 110 lb down and 72 lb up at 34-2-4, and 110 lb down and 72 lb up at 36-2-4, and 110 lb down and 72 lb up at 38-2-4 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: 1-9=-23, 10-15=-20

Concentrated Loads (lb)

Vert: 15=-110(F) 1=-98(F) 3=-98(F) 14=-110(F) 2=-98(F) 4=-98(F) 13=-110(F) 6=-98(F) 12=-110(F) 11=-110(F) 8=-98(F) 5=-98(F) 7=-98(F) 16=-98(F) 17=-98(F) 18=-98(F) 19=-98(F) 20=-98(F) 21=-98(F) 22=-98(F) 23=-98(F) 24=-98(F) 25=-98(F) 26=-98(F) 27=-98(F) 28=-110(F) 29=-110(F) 30=-110(F) 31=-110(F) 32=-110(F) 33=-110(F) 34=-110(F) 35=-110(F) 36=-110(F) 37=-110(F) 38=-110(F) 39=-110(F) 40=-110(F) 41=-110(F) 42=-110(F)

TOMAS PONCE
LICENSE
No. 50068
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

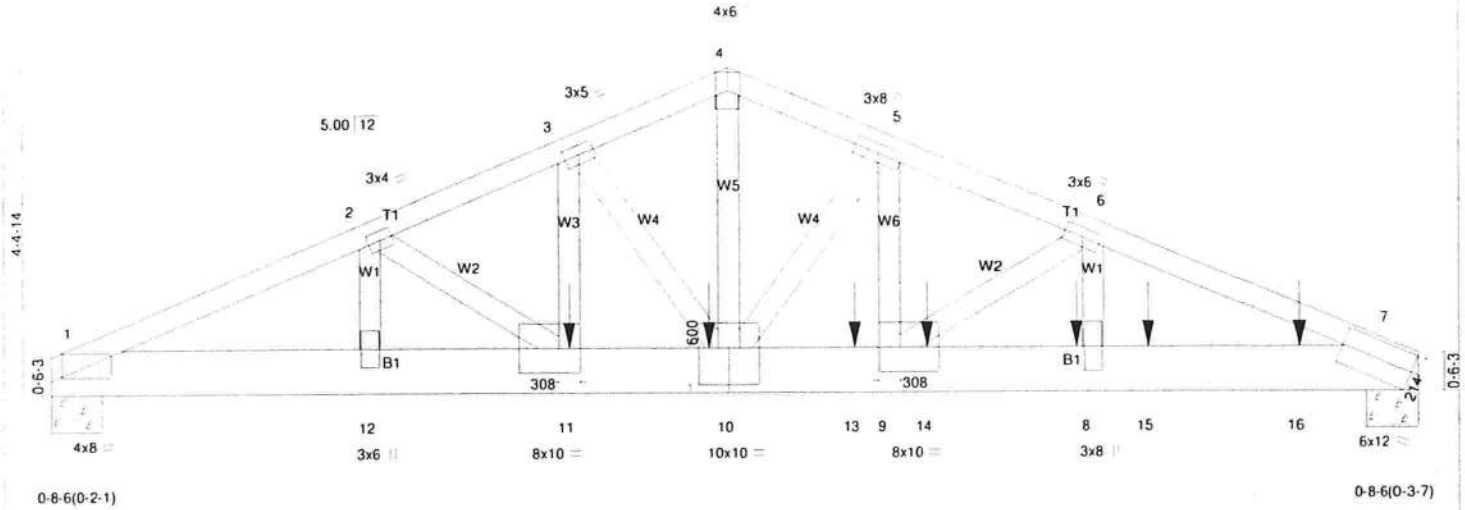
OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	GRD1	COMMON	2	3	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:08 2008 Page 1

4-4-7	7-1-8	9-4-0	14-3-9	18-8-0
4-4-7	2-9-1	2-2-8	4-11-9	4-4-7

Scale = 1:30.0



4-4-7	7-1-8	9-4-0	14-3-9	18-8-0
4-4-7	2-9-1	2-2-8	4-11-9	4-4-7

Plate Offsets (X,Y): [7:Edge,0-2-14], [9:0-3-8,0-4-0], [10:0-5-0,0-6-0], [11:0-3-8,0-4-0]

LOADING (psf)		SPACING	1-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.57	Vert(LL)	-0.16	9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.87	Vert(TL)	-0.29	9	>736	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.57	Horz(TL)	0.06	7	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 371 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP No.1D
WEBS 2 X 4 SYP No.2 *Except*
W3 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-10-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=6166/0-8-6, 7=10143/0-8-6
Max Horz 1=-30(LC 6)
Max Uplift1=-2521(LC 5), 7=-3632(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-13584/5585, 2-3=-14213/5864, 3-4=-12490/4956, 4-5=-12494/4957, 5-6=-15481/5858, 6-7=-19008/6918
BOT CHORD 1-12=-5069/12296, 11-12=-5069/12296, 10-11=-5386/13101, 10-13=-5360/14279, 9-13=-5360/14279, 9-14=-6252/17227, 8-14=-6252/17227, 8-15=-6252/17227, 15-16=-6252/17227, 7-16=-6252/17227
WEBS 2-12=-375/177, 4-10=-3664/9255, 5-10=-4577/1407, 6-8=-1210/3974, 3-11=-1521/2862, 2-11=-418/1024, 3-10=-2579/1412, 5-9=-1506/4936, 6-9=-3574/1088

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 8 - 4 rows at 0-4-0 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 2521 lb uplift at joint 1 and 3632 lb uplift at joint 7.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 4002 lb down and 2065 lb up at 7-1-8, 1826 lb down and 789 lb up at 9-0-12, 1910 lb down and 622 lb up at 11-0-12, 1932 lb down and 608 lb up at 12-0-12, 1943 lb down and 627 lb up at 14-0-12, and 1945 lb down and 637 lb up at 15-0-12, and 1976 lb down and 656 lb up at 17-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on page 2

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

OCT 15 2008

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-23, 4-7=-23, 1-7=-20
   Concentrated Loads (lb)
   Vert: 10=-1826(F) 8=-1943(F) 11=-4002(F) 13=-1910(F) 14=-1932(F) 15=-1945(F) 16=-1976(F)

TOMAS PONCE
LICENSE
No. 50068
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	T1	COMMON	6	1	

Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:53 2008 Page 1

-1-0-0	4-9-5	9-4-0	13-10-11	18-8-0	19-8-0
1-0-0	4-9-5	4-6-11	4-6-11	4-9-5	1-0-0

Scale = 1:33.2

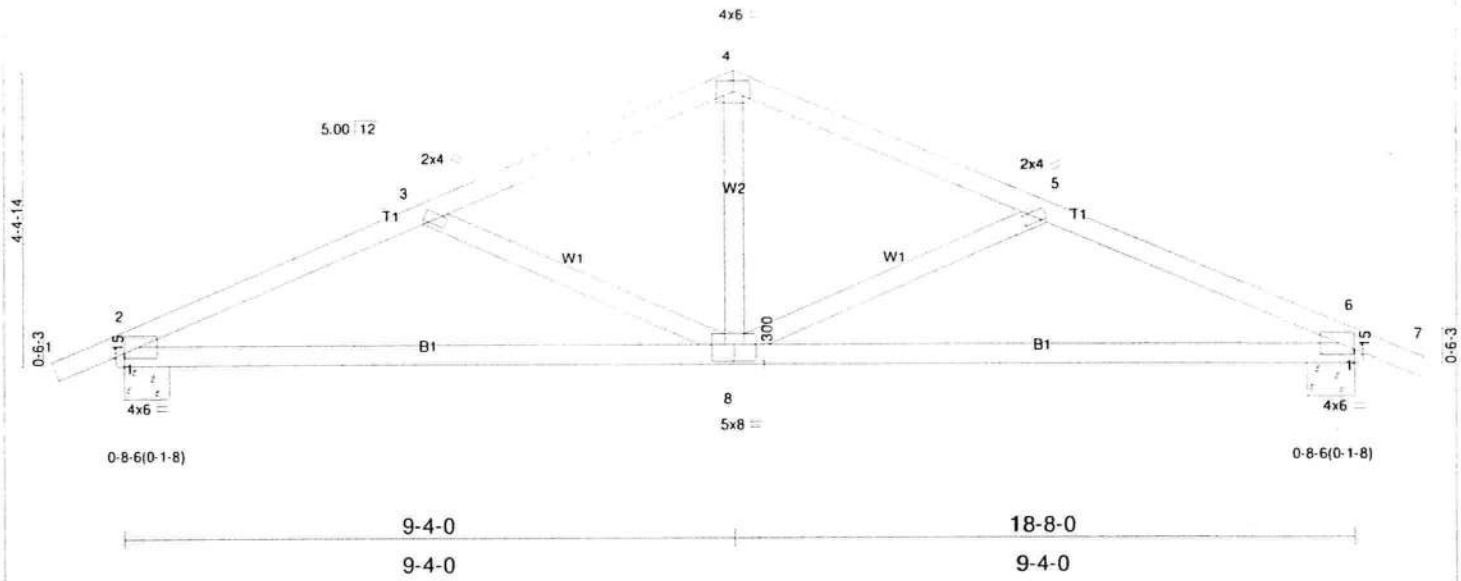


Plate Offsets (X,Y): [2:0-0-1,0-0-15], [6:0-0-1,0-0-15], [8:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.27	Vert(LL)	-0.13	6-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.62	Vert(TL)	-0.30	6-8	>713	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.11	Horz(TL)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 82 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-1-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=838/0-8-6, 6=838/0-8-6
Max Horz 2=73(LC 6)
Max Uplift2=-230(LC 6), 6=-230(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/10, 2-3=-1276/426, 3-4=-1056/313, 4-5=-1056/313, 5-6=-1276/426, 6-7=0/10
BOT CHORD 2-8=-293/1131, 6-8=-293/1131
WEBS 3-8=-246/193, 4-8=-37/573, 5-8=-246/193

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 230 lb uplift at joint 2 and 230 lb uplift at joint 6.

LOAD CASE(S) Standard

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	G1	GABLE	1	1	

Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:06 2008 Page 1

-1-0-0 | 9-4-0 | 18-8-0

1-0-0 | 9-4-0 | 9-4-0

Scale: 3/8"=1'

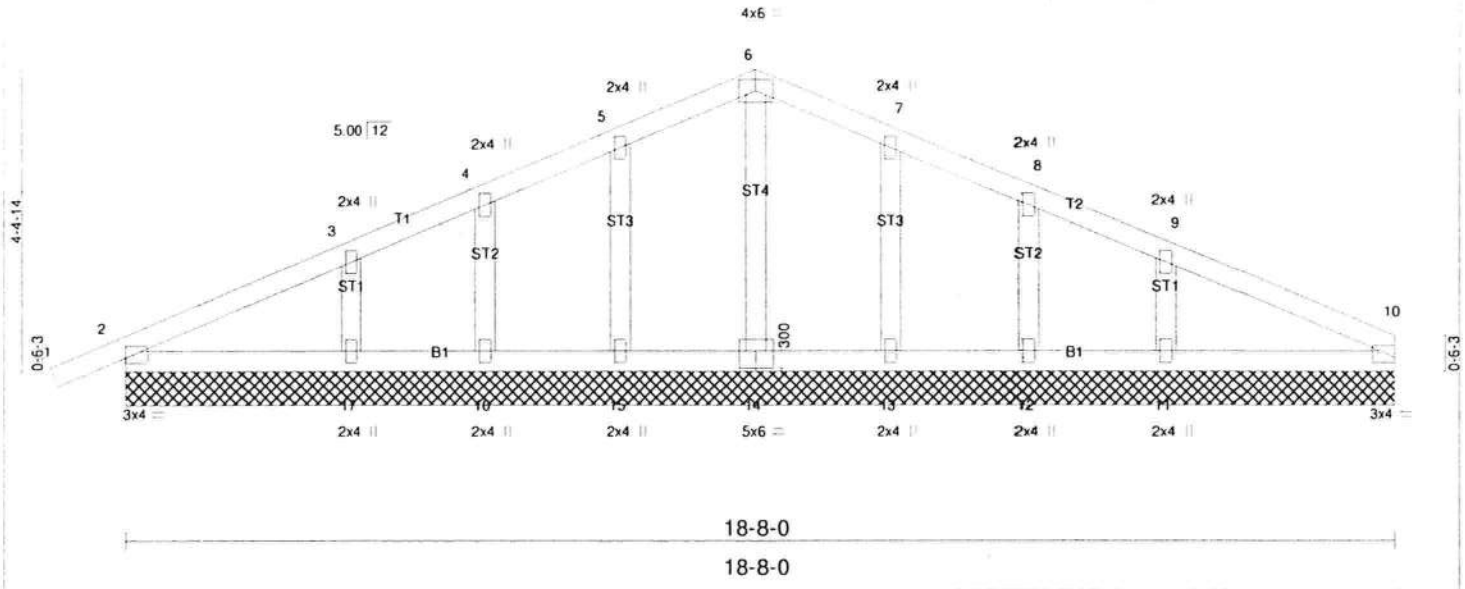


Plate Offsets (X,Y): [14:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.10	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	0.01	1	n/r	120		
BCLL	10.0	Rep Stress Incr	NO	WB	0.03	Horz(TL)	0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 85 lb	

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

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

REACTIONS (lb/size) 10=121/18-8-0, 2=179/18-8-0, 14=160/18-8-0, 15=183/18-8-0, 16=132/18-8-0, 17=277/18-8-0, 13=185/18-8-0, 12=125/18-8-0, 11=293/18-8-0
Max Horz 2=93(LC 6)
Max Uplift 10=-32(LC 7), 2=-115(LC 6), 15=-102(LC 6), 16=-82(LC 6), 17=-151(LC 6), 13=-104(LC 7), 12=-71(LC 7), 11=-176(LC 7)
Max Grav 10=121(LC 1), 2=179(LC 1), 14=160(LC 1), 15=187(LC 10), 16=132(LC 1), 17=277(LC 10), 13=188(LC 11), 12=125(LC 1), 11=293(LC 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/10, 2-3=-76/34, 3-4=-32/89, 4-5=-24/122, 5-6=-26/179, 6-7=-26/180, 7-8=-24/120, 8-9=-33/70, 9-10=-46/33
BOT CHORD 2-17=0/83, 16-17=0/83, 15-16=0/83, 14-15=0/83, 13-14=0/83, 12-13=0/83, 11-12=0/83, 10-11=0/83
WEBS 6-14=-83/0, 5-15=-101/137, 4-16=-72/119, 3-17=-145/197, 7-13=-101/139, 8-12=-69/112, 9-11=-153/213

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
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) Gable studs spaced at 2-0-0 oc.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 32 lb uplift at joint 10, 115 lb uplift at joint 2, 102 lb uplift at joint 15, 82 lb uplift at joint 16, 151 lb uplift at joint 17, 104 lb uplift at joint 13, 71 lb uplift at joint 12 and 176 lb uplift at joint 11.

LOAD CASE(S) Standard

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

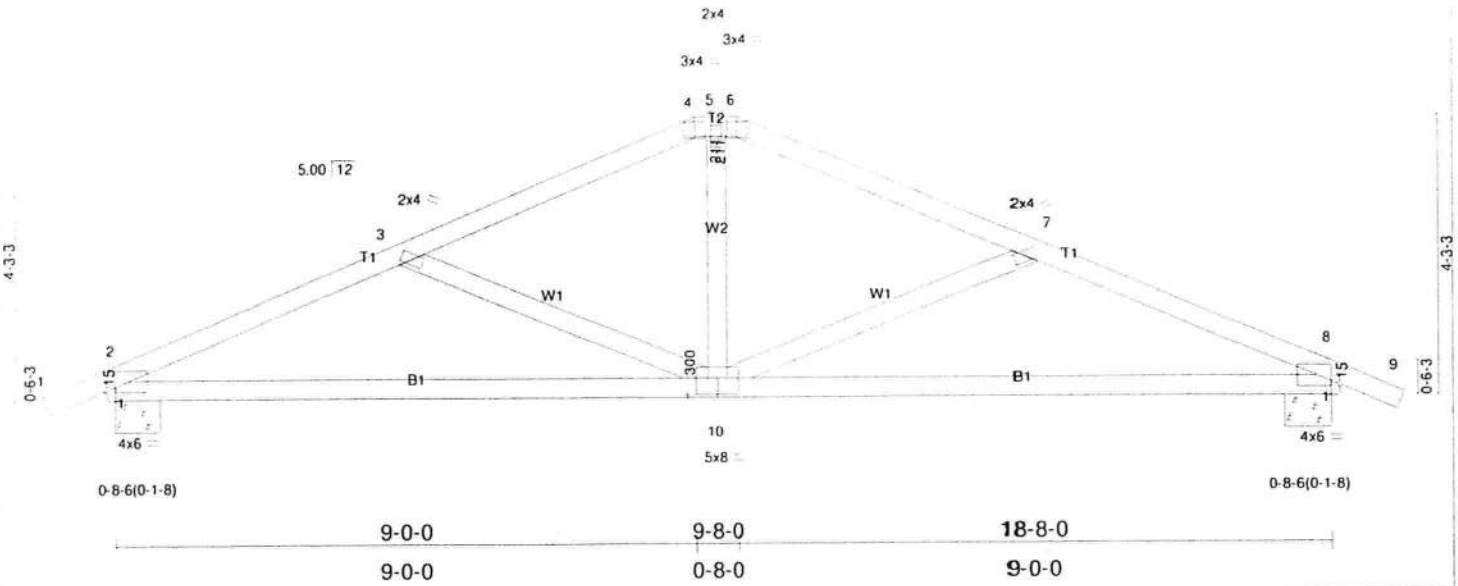
OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	H6	HIP	1	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:15 2008 Page 1

-1-0-0	4-7-5	9-0-0	9-8-0	14-0-11	18-8-0	19-8-0
1-0-0	4-7-5	4-4-11	0-8-0	4-4-11	4-7-5	1-0-0

Scale = 1:33.7



9-0-0	9-8-0	18-8-0
9-0-0	0-8-0	9-0-0

Plate Offsets (X,Y): [2:0-0-1,0-0-15], [4:0-2-0,0-2-11], [6:0-2-0,0-2-11], [8:0-0-1,0-0-15], [10:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.27	Vert(LL)	-0.13	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.62	Vert(TL)	-0.30	8-10	>720	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.18	Horz(TL)	0.03	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 82 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=838/0-8-6, 8=838/0-8-6
Max Horz 2=71(LC 6)
Max Uplift2=-227(LC 6), 8=-227(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/10, 2-3=-1278/432, 3-4=-1059/317, 4-5=-937/332, 5-6=-937/332, 6-7=-1059/317, 7-8=-1278/432, 8-9=0/10
BOT CHORD 2-10=-299/1133, 8-10=-299/1133
WEBS 3-10=-244/191, 7-10=-244/191, 5-10=-26/558

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 227 lb uplift at joint 2 and 227 lb uplift at joint 8.

LOAD CASE(S) Standard

TOMAS PONCE
LICENSE
No. 50068
STATE OF FLORIDA
PROFESSIONAL ENGINEER

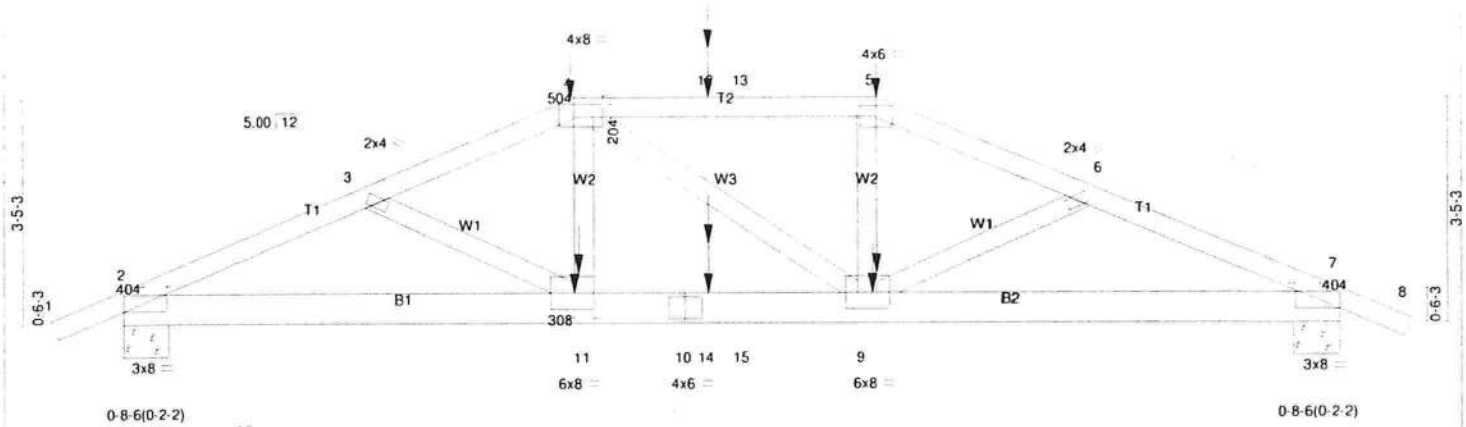
OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	HGRD1	HIP	1	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:28 2008 Page 1

-1-0-0	3-9-12	7-0-0	11-8-0	14-10-4	18-8-0	19-8-0
1-0-0	3-9-12	3-2-4	4-8-0	3-2-4	3-9-12	1-0-0

Scale = 1:33.7



3-9-12	7-0-0	11-8-0	14-10-4	18-8-0
3-9-12	3-2-4	4-8-0	3-2-4	3-9-12

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.44	Vert(LL)	0.13	9-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.59	Vert(TL)	-0.22	9-11	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.17	Horz(TL)	0.06	7	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 102 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 3-1-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-2-8 oc bracing.

REACTIONS (lb/size) 2=1807/0-8-6, 7=1807/0-8-6
Max Horz 2=61(LC 7)
Max Uplift2=-855(LC 7), 7=-855(LC 8)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/14, 2-3=-3481/1661, 3-4=-3522/1704, 4-12=-3288/1623, 12-13=-3288/1623, 5-13=-3288/1623, 5-6=-3519/1702, 6-7=-3480/1660, 7-8=0/14
BOT CHORD 2-11=-1478/3082, 10-11=-1541/3291, 10-14=-1541/3291, 14-15=-1541/3291, 9-15=-1541/3291, 7-9=-1417/3081
WEBS 3-11=-115/296, 4-11=-389/931, 4-9=-73/67, 5-9=-388/929, 6-9=-114/294

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 855 lb uplift at joint 2 and 855 lb uplift at joint 7.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 98 lb down and 83 lb up at 7-0-0, 98 lb down and 83 lb up at 9-0-12, and 98 lb down and 83 lb up at 9-7-4, and 98 lb down and 83 lb up at 11-8-0 on top chord, and 663 lb down and 404 lb up at 7-0-0, 110 lb down and 72 lb up at 9-0-12, and 110 lb down and 72 lb up at 9-7-4, and 663 lb down and 404 lb up at 11-7-4 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
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-46, 4-5=-46, 5-8=-46, 2-7=-40

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

OCT 15 2008

Continued on page 2

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 4=-98(B) 5=-98(B) 11=-663(B) 9=-663(B) 12=-98(B) 13=-98(B) 14=-110(B) 15=-110(B)

TOMAS PONCE
LICENSE
No. 50068
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	GRD2	COMMON	1	2	Job Reference (optional)

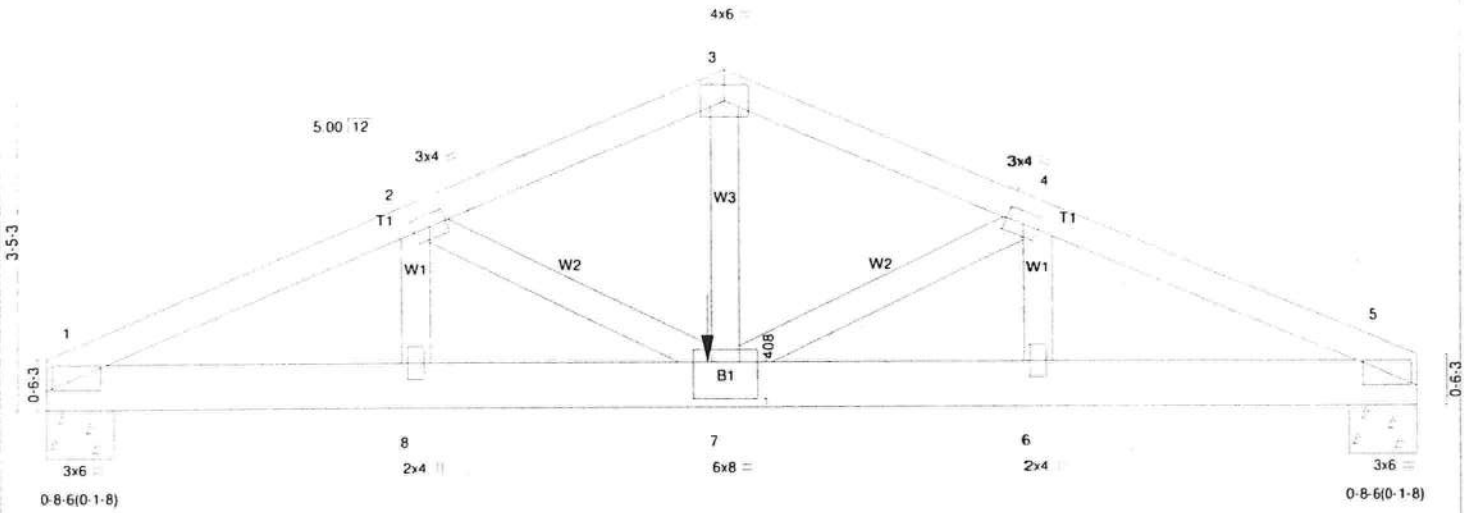
Maronda Homes Inc., Sanford, Florida

7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:08 2008 Page 1

3-9-12 | 7-0-0 | 10-2-4 | 14-0-0

3-9-12 | 3-2-4 | 3-2-4 | 3-9-12

Scale = 1:22.5



3-9-12 | 7-0-0 | 10-2-4 | 14-0-0

3-9-12 | 3-2-4 | 3-2-4 | 3-9-12

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.16	Vert(LL)	-0.06	7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.41	Vert(TL)	-0.11	7	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.34	Horz(TL)	0.03	5	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 147 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 5-11-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=2430/0-8-6, 5=2430/0-8-6
Max Horz 1=46(LC 5)
Max Uplift1=-807(LC 5), 5=-807(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-5038/1699, 2-3=-5098/1792, 3-4=-5098/1792, 4-5=-5038/1700
BOT CHORD 1-8=-1526/4479, 7-8=-1526/4479, 6-7=-1481/4479, 5-6=-1481/4479
WEBS 2-8=0/72, 2-7=-154/360, 3-7=-1276/3707, 4-7=-156/360, 4-6=0/73

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 6 - 2 rows at 0-3-0 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 807 lb uplift at joint 1 and 807 lb uplift at joint 5.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3714 lb down and 1394 lb up at 6-9-12 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

OCT 15 2008

TOMAS PONCE
LICENSE
No. 50068
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Continued on page 2

LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 1-3=-46, 3-5=-46, 1-5=-40
Concentrated Loads (lb)
Vert: 7=-3714(F)

TOMAS PONCE
LICENSE
No. 50068
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	T2	COMMON	2	1	

Job Reference (optional)

Maronda Homes Inc., Sanford, Florida

7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:54 2008 Page 1

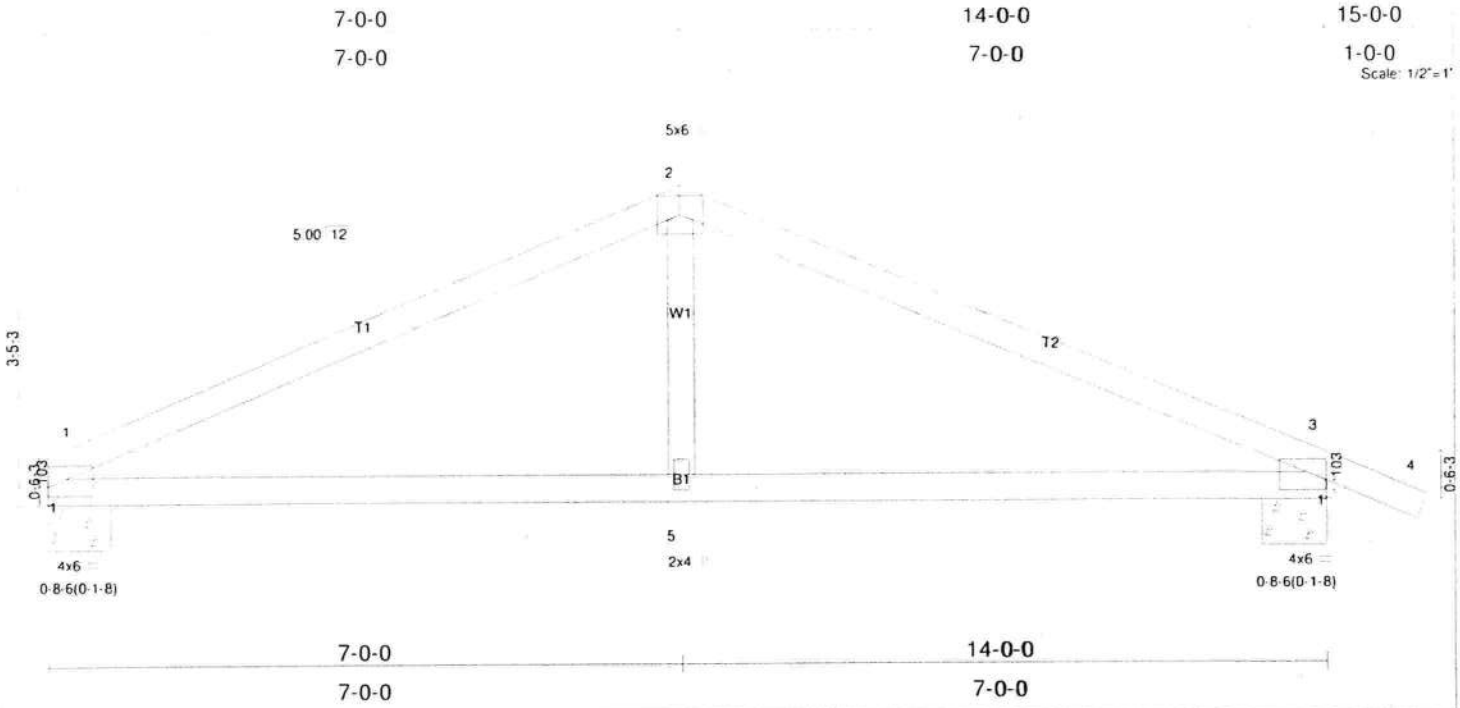


Plate Offsets (X,Y): [1:0-0-1,0-1-3], [3:0-0-1,0-1-3]

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)	-0.08	1-5	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.53	Vert(TL)	-0.15	1-5	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.06	Horz(TL)	0.02	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 50 lb	

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

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

REACTIONS (lb/size) 1=570/0-8-6, 3=641/0-8-6
Max Horz 1=-63(LC 7)
Max Uplift1=-109(LC 6), 3=-193(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-862/266, 2-3=-877/269, 3-4=0/10
BOT CHORD 1-5=-137/746, 3-5=-137/746
WEBS 2-5=0/332

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 109 lb uplift at joint 1 and 193 lb uplift at joint 3.

LOAD CASE(S) Standard

TOMAS PONCE
LICENSE
No. 50068
STATE OF
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PROFESSIONAL ENGINEER

OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	G2	GABLE	1	1	

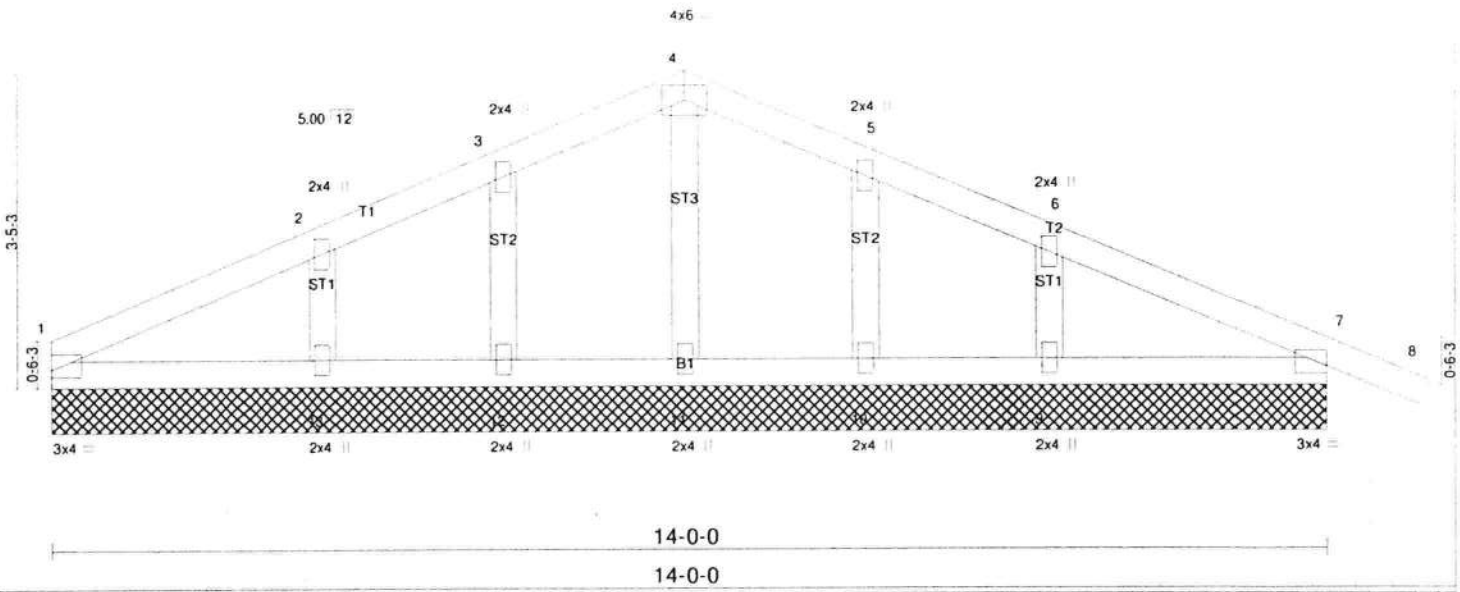
Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:07 2008 Page 1

7-0-0 | 14-0-0 | 15-0-0

7-0-0 | 7-0-0 | 1-0-0

Scale: 1/2"=1'



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.10	Vert(LL)	0.00	8	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	0.00	8	n/r	120		
BCLL	10.0	Rep Stress Incr	NO	WB	0.03	Horz(TL)	0.00	7	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 59 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=109/14-0-0, 7=169/14-0-0, 11=180/14-0-0, 12=137/14-0-0, 13=266/14-0-0, 10=143/14-0-0, 9=249/14-0-0
Max Horz 1=-76(LC 7)
Max Uplift 1=-39(LC 7), 7=-138(LC 7), 12=-78(LC 6), 13=-161(LC 6), 10=-88(LC 7), 9=-131(LC 7)
Max Grav 1=109(LC 1), 7=169(LC 1), 11=180(LC 1), 12=141(LC 10), 13=266(LC 1), 10=147(LC 11), 9=249(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-48/42, 2-3=-32/98, 3-4=-26/151, 4-5=-26/152, 5-6=-31/96, 6-7=-37/26, 7-8=0/10
BOT CHORD 1-13=0/75, 12-13=0/75, 11-12=0/75, 10-11=0/75, 9-10=0/75, 7-9=0/75
WEBS 4-11=-92/23, 3-12=-79/122, 2-13=-138/210, 5-10=-82/129, 6-9=-131/193

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
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) Gable studs spaced at 2-0-0 oc.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 39 lb uplift at joint 1, 138 lb uplift at joint 7, 78 lb uplift at joint 12, 161 lb uplift at joint 13, 88 lb uplift at joint 10 and 131 lb uplift at joint 9.

LOAD CASE(S) Standard

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	JGRD1	MONO TRUSS	2	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:44 2008 Page 1

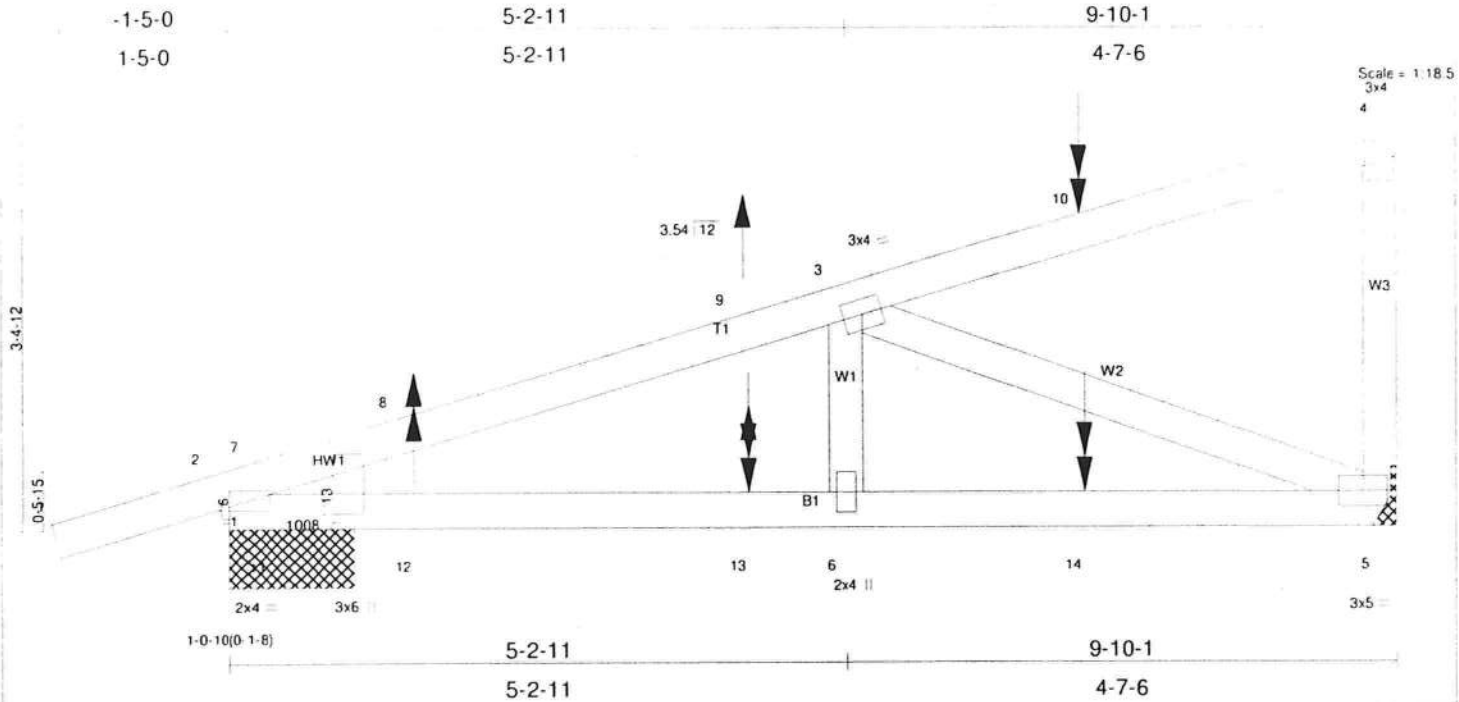


Plate Offsets (X,Y): [2:0-0-1,0-0-6], [2:0-0-13,0-10-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.27	Vert(LL)	-0.03	2-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.32	Vert(TL)	-0.06	5-6	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.29	Horz(TL)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 47 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
WEDGE
Left: 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 9-3-13 oc bracing.

REACTIONS (lb/size) 5=565/Mechanical, 2=498/1-0-10
Max Horz 2=141(LC 3)
Max Uplift5=-305(LC 7), 2=-233(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/11, 2-7=-928/362, 7-8=-927/364, 8-9=-898/386, 3-9=-865/365, 3-10=-117/63, 4-10=-63/3, 4-5=-125/158
BOT CHORD 2-11=-450/852, 11-12=-450/852, 12-13=-450/852, 6-13=-450/852, 6-14=-450/852, 5-14=-450/852
WEBS 3-6=0/283, 3-5=-840/432

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 305 lb uplift at joint 5 and 233 lb uplift at joint 2.
5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 44 lb up at 4-4-12, 44 lb up at 4-4-12, 50 lb down and 117 lb up at 7-2-11, 50 lb down and 117 lb up at 7-2-11, and 44 lb down at 1-6-12, and 44 lb down at 1-6-12 on top chord, and 22 lb up at 1-6-12, 22 lb up at 1-6-12, 12 lb down at 4-4-12, 12 lb down at 4-4-12, and 52 lb down at 7-2-11, and 52 lb down at 7-2-11 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
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: 1-2=-46, 2-7=-14, 4-7=-46, 2-11=-20, 5-11=-40

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

OCT 15 2008

Continued on page 2

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 9=6(F=3, B=3) 10=-101(F=-50, B=-50) 12=43(F=22, B=22) 13=-24(F=-12, B=-12) 14=-104(F=-52, B=-52)

TOMAS PONCE
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No. 50068
STATE OF
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OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	JSGRD1	SPECIAL	1	1	

Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:48 2008 Page 1

-1-5-0 | 5-2-7 | 9-10-1

1-5-0 | 5-2-7 | 4-7-10

Scale = 1:18.6

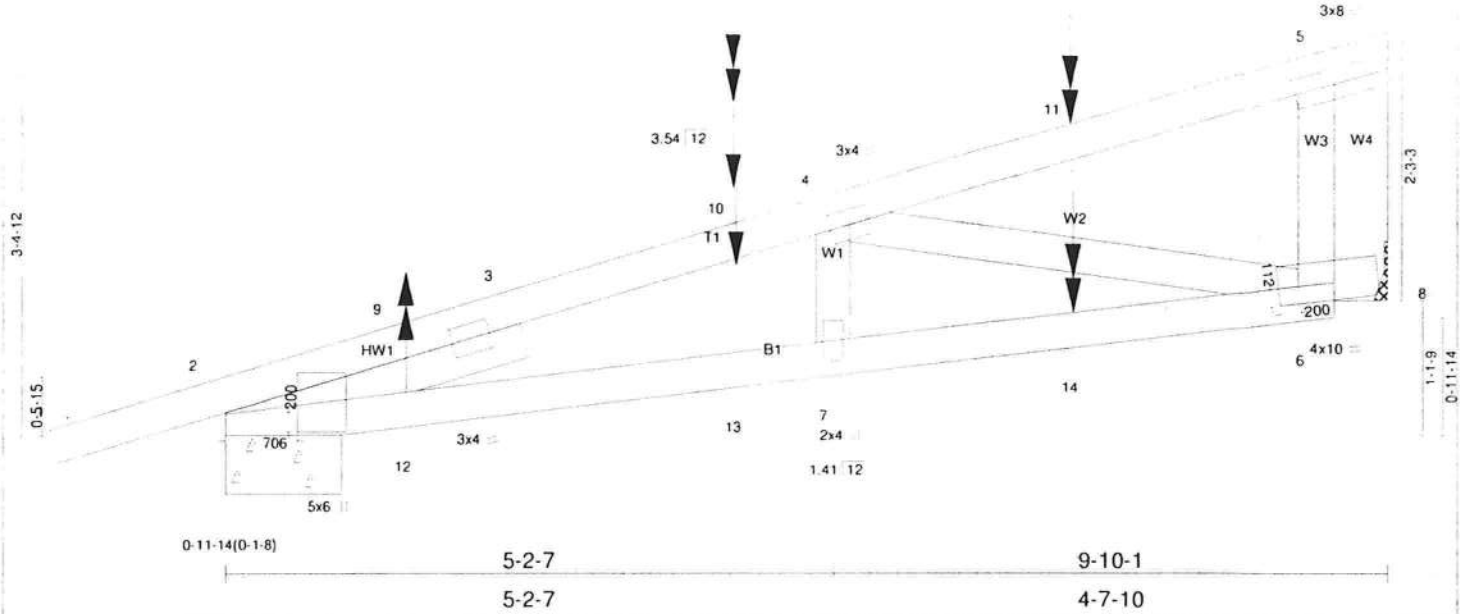

Plate Offsets (X,Y): [2:0-2-0,0-7-6], [6:0-2-0,0-1-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.32	Vert(LL)	-0.04	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.39	Vert(TL)	-0.08	6-7	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.24	Horz(TL)	0.02	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 50 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.2 *Except*
W4 2 X 6 SYP No.2
SLIDER Left 2 X 4 SYP No.2 2-7-11

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

REACTIONS (lb/size) 2=550/0-11-14, 8=562/Mechanical
Max Horz 2=133(LC 3)
Max Uplift2=-273(LC 7), 8=-334(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/6, 2-9=-1307/640, 3-9=-1272/657, 3-10=-1272/658, 4-10=-1241/632, 4-11=-348/215, 5-11=-288/149, 5-6=-169/462
BOT CHORD 2-12=-703/1201, 12-13=-697/1208, 7-13=-697/1222, 7-14=-706/1203, 6-14=-701/1227
WEBS 4-7=0/254, 4-6=-913/501, 5-8=-596/368, 6-8=-172/203

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 273 lb uplift at joint 2 and 334 lb uplift at joint 8.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 11 lb down and 65 lb up at 4-4-12, 11 lb down and 65 lb up at 4-4-12, 61 lb down and 132 lb up at 7-2-11, 61 lb down and 132 lb up at 7-2-11, and 43 lb down at 1-6-13, and 43 lb down at 1-6-13 on top chord, and 21 lb up at 1-6-13, 21 lb up at 1-6-13, 18 lb down at 4-4-12, 18 lb down at 4-4-12, and 58 lb down at 7-2-11, and 58 lb down at 7-2-11 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

THOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

OCT 15 2008

Continued on page 2

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-46, 2-6=-40
Concentrated Loads (lb)
Vert: 10=-22(F=-11, B=-11) 11=-121(F=-61, B=-61) 12=41(F=21, B=21) 13=-36(F=-18, B=-18) 14=-116(F=-58, B=-58)

TOMAS PONCE
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No. 50068
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OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	J	MONO TRUSS	29	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:40 2008 Page 1

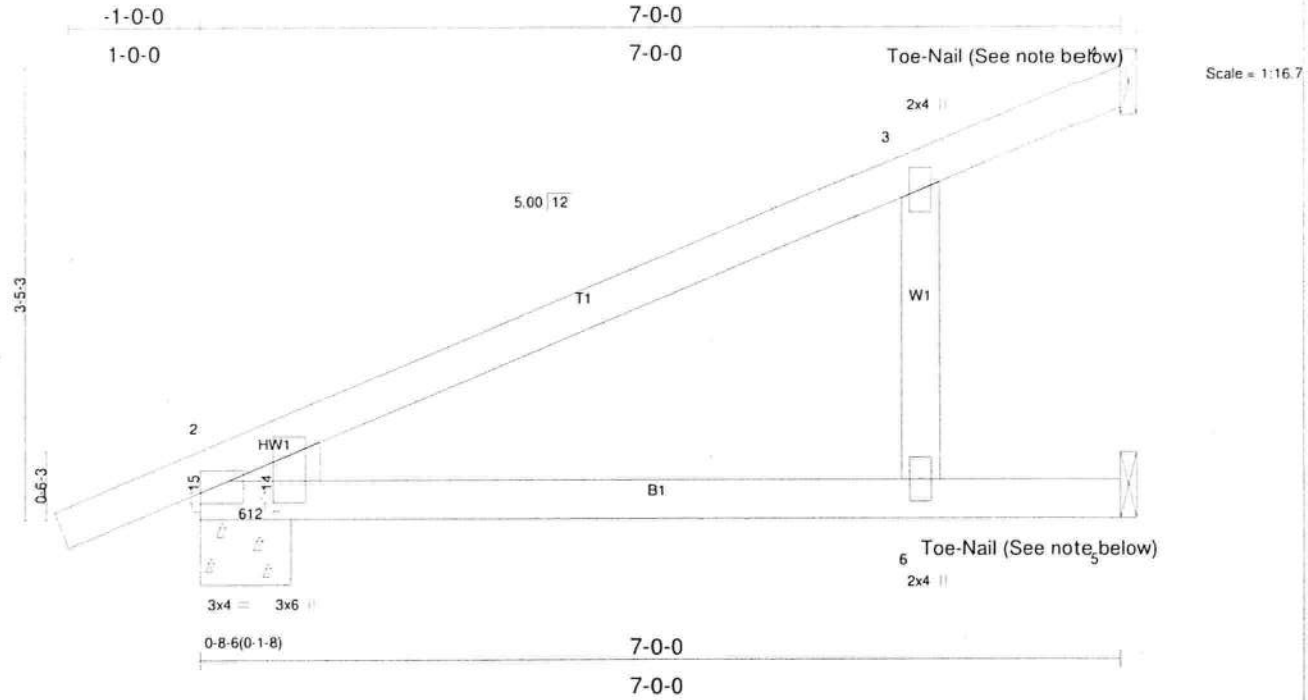

Plate Offsets (X,Y): [2:0-0-0,0-0-15], [2:0-0-14,0-6-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.39	Vert(LL)	-0.12	2-6	>639	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.44	Vert(TL)	-0.26	2-6	>309	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: 28 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
WEDGE
Left: 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=132/Mechanical, 2=355/0-8-6, 5=145/Mechanical
Max Horz 2=143(LC 6)
Max Uplift4=-19(LC 6), 2=-127(LC 6), 5=-72(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/10, 2-3=-106/26, 3-4=-17/48
BOT CHORD 2-6=0/0, 5-6=0/0
WEBS 3-6=-17/165

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 19 lb uplift at joint 4, 127 lb uplift at joint 2 and 72 lb uplift at joint 5.
5) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 4 and 5.

LOAD CASE(S) Standard

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	JS	SPECIAL	11	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida

7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:45 2008 Page 1

-1-0-0 7-0-0

1-0-0 7-0-0 Toe-Nail (See note below) 4

Scale = 1:16.5

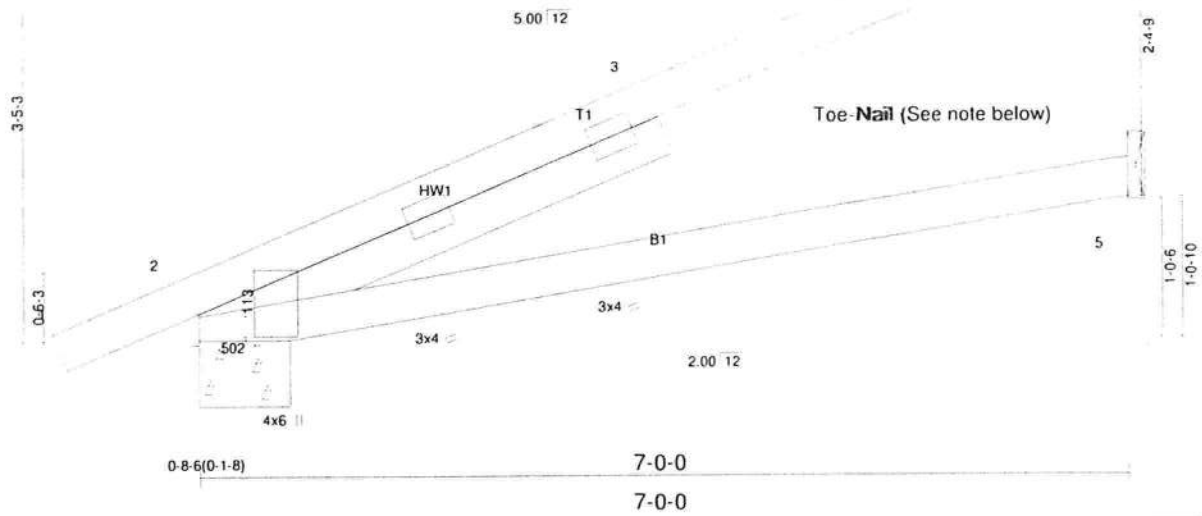

Plate Offsets (X,Y): [2:0-1-13,0-5-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.47	Vert(LL)	-0.12	2-5	>690	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.45	Vert(TL)	-0.30	2-5	>276	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.02	4	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 29 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
SLIDER Left 2 X 4 SYP No.2 3-9-9

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=154/Mechanical, 2=351/0-8-6, 5=138/Mechanical
Max Horz 2=141(LC 6)
Max Uplift4=-140(LC 6), 2=-109(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/6, 2-3=-88/0, 3-4=-78/47
BOT CHORD 2-5=-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 140 lb uplift at joint 4 and 109 lb uplift at joint 2.
6) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 4 and 5.

LOAD CASE(S) Standard

TOMAS PONCE
LICENSE
No. 50068
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	JSA	SPECIAL	1	1	

Job Reference (optional)

Maronda Homes Inc., Sanford, Florida

7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:48 2008 Page 1

-1-0-0 7-0-0

1-0-0 7-0-0

Scale = 1:18.0

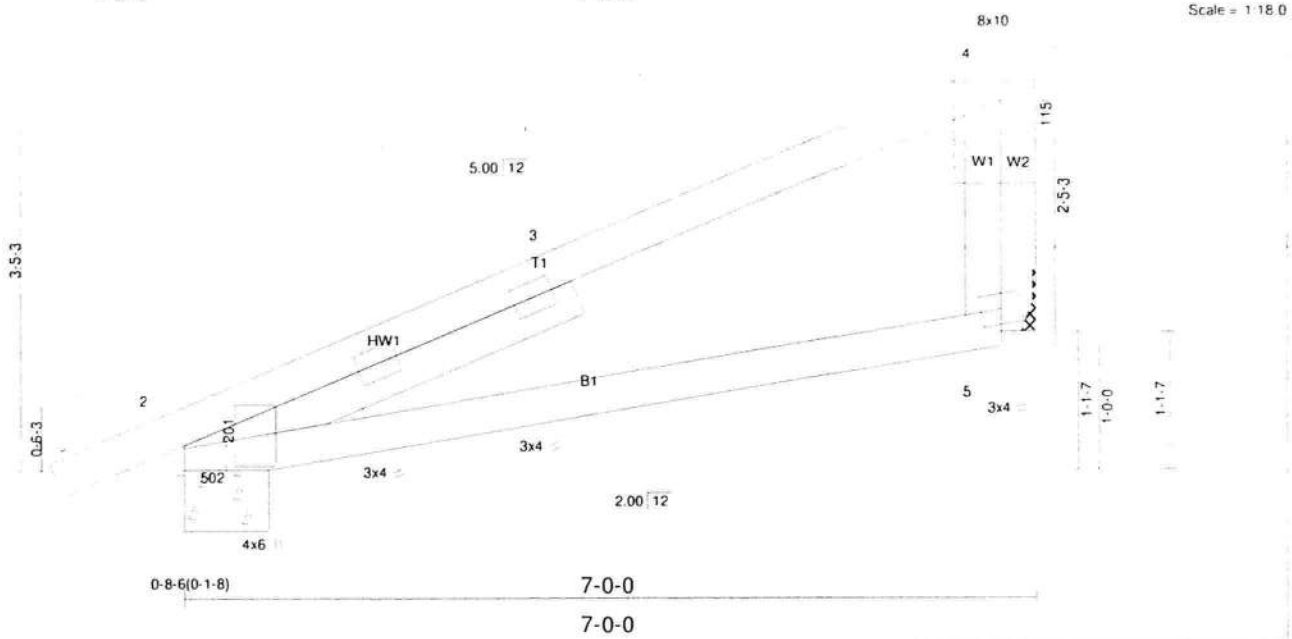

Plate Offsets (X,Y): [2:0-2-1,0-5-2], [4:Edge,0-3-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.42	Vert(LL)	-0.10	2-5	>816	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.24	2-5	>326	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.01	Horz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 34 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
SLIDER Left 2 X 4 SYP No.2 3-5-13

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=335/0-8-6, 5=276/Mechanical
Max Horz 2=134(LC 6)
Max Uplift2=-107(LC 6), 5=-93(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/6, 2-3=-85/0, 3-4=-74/44
BOT CHORD 2-5=-17/17
WEBS 4-5=-146/165

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) 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 107 lb uplift at joint 2 and 93 lb uplift at joint 5.

LOAD CASE(S) Standard

THOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	J1	JACK	4	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:41 2008 Page 1

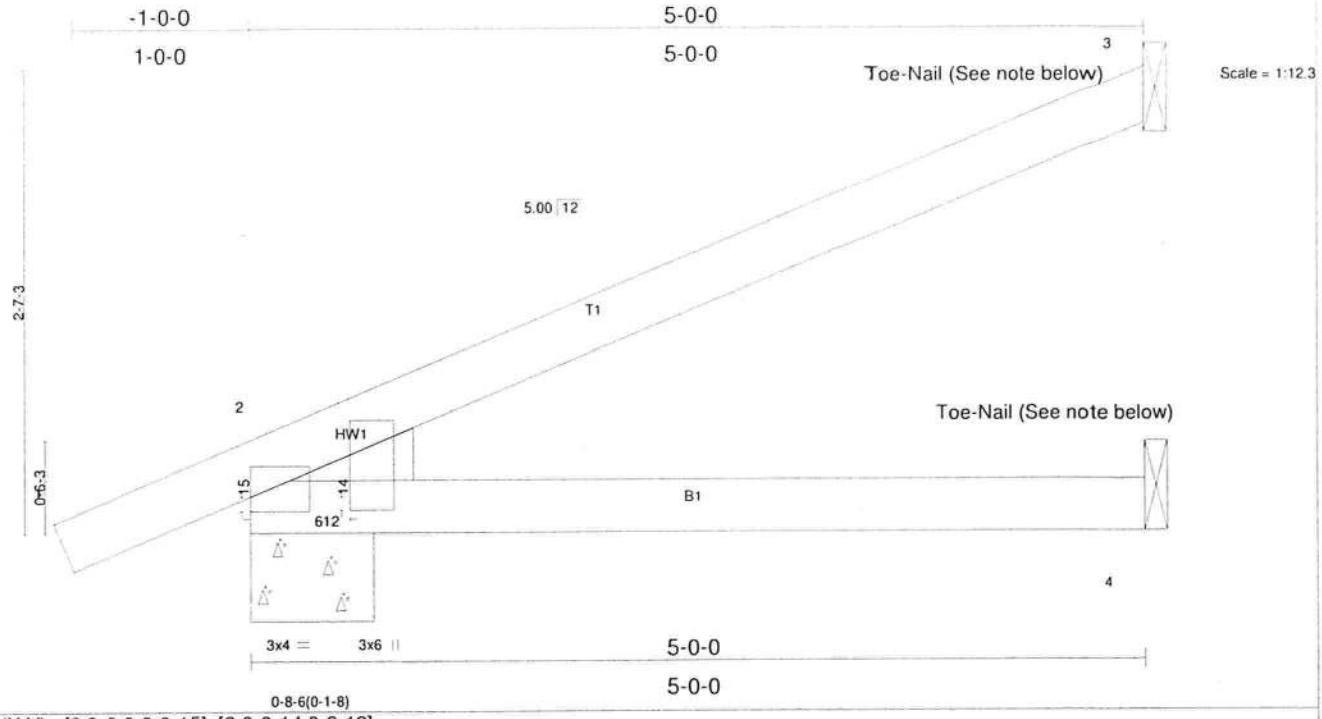

Plate Offsets (X,Y): [2:0-0-0,0-0-15], [2:0-0-14,0-6-12]

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
WEDGE
Left: 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=272/0-8-6, 4=92/Mechanical
Max Horz 2=109(LC 6)
Max Uplift3=-87(LC 6), 2=-117(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/10, 2-3=-64/33
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 87 lb uplift at joint 3 and 117 lb uplift at joint 2.
5) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 3 and 4.

LOAD CASE(S) Standard

TOMAS PONCE
LICENSE
No. 50068
STATE OF FLORIDA
PROFESSIONAL ENGINEER

OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	JS1	SPECIAL	2	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida

7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:46 2008 Page 1

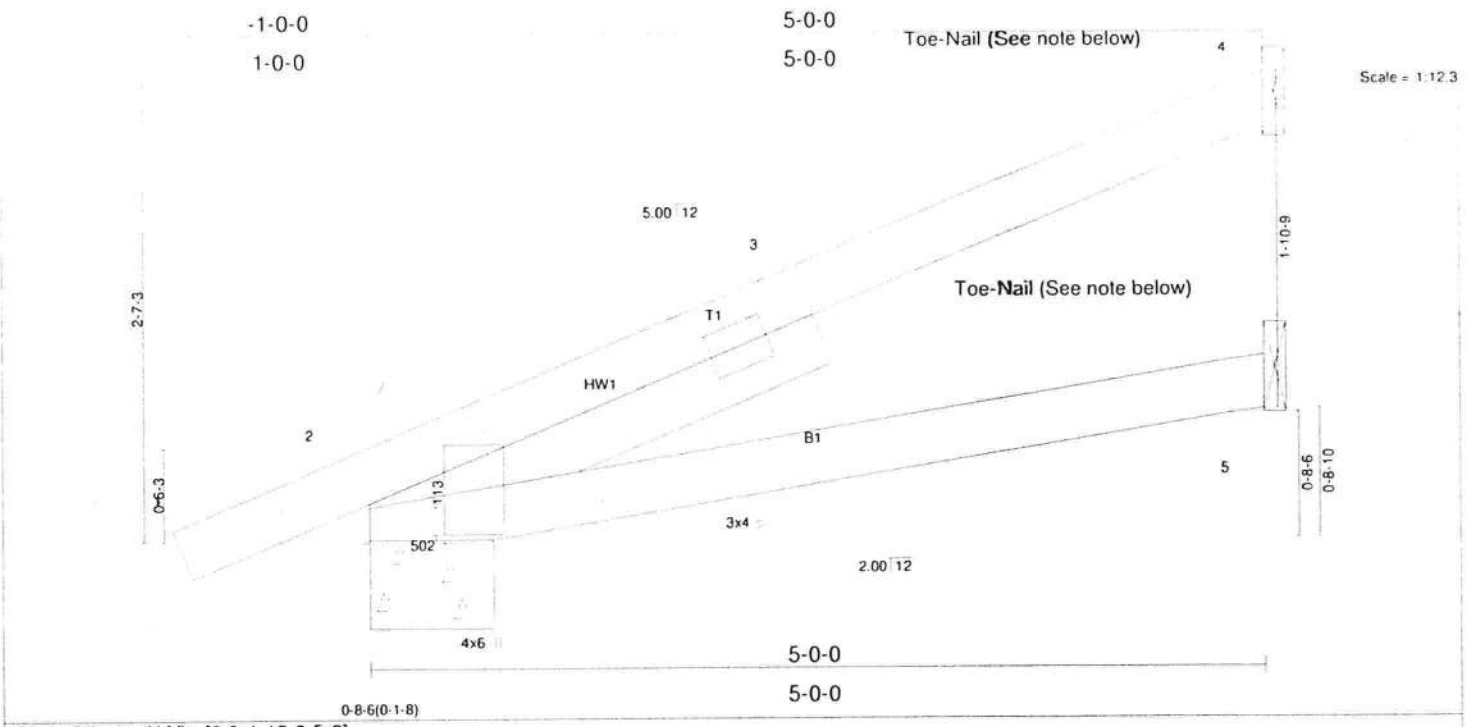

Plate Offsets (X,Y): [2:0-1-13,0-5-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.22	Vert(LL)	-0.03	2-5	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.23	Vert(TL)	-0.08	2-5	>772	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 21 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
SLIDER Left 2 X 4 SYP No.2 2-8-9

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) 4=107/Mechanical, 2=267/0-8-6, 5=98/Mechanical
Max Horz 2=106(LC 6)
Max Uplift4=-98(LC 6), 2=-98(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/6, 2-3=-64/0, 3-4=-55/32
BOT CHORD 2-5=-13/13

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 98 lb uplift at joint 4 and 98 lb uplift at joint 2.
6) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 4 and 5.

LOAD CASE(S) Standard

TOMAS PONCE
LICENSE
No. 50068
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	J2	JACK	4	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:41 2008 Page 1

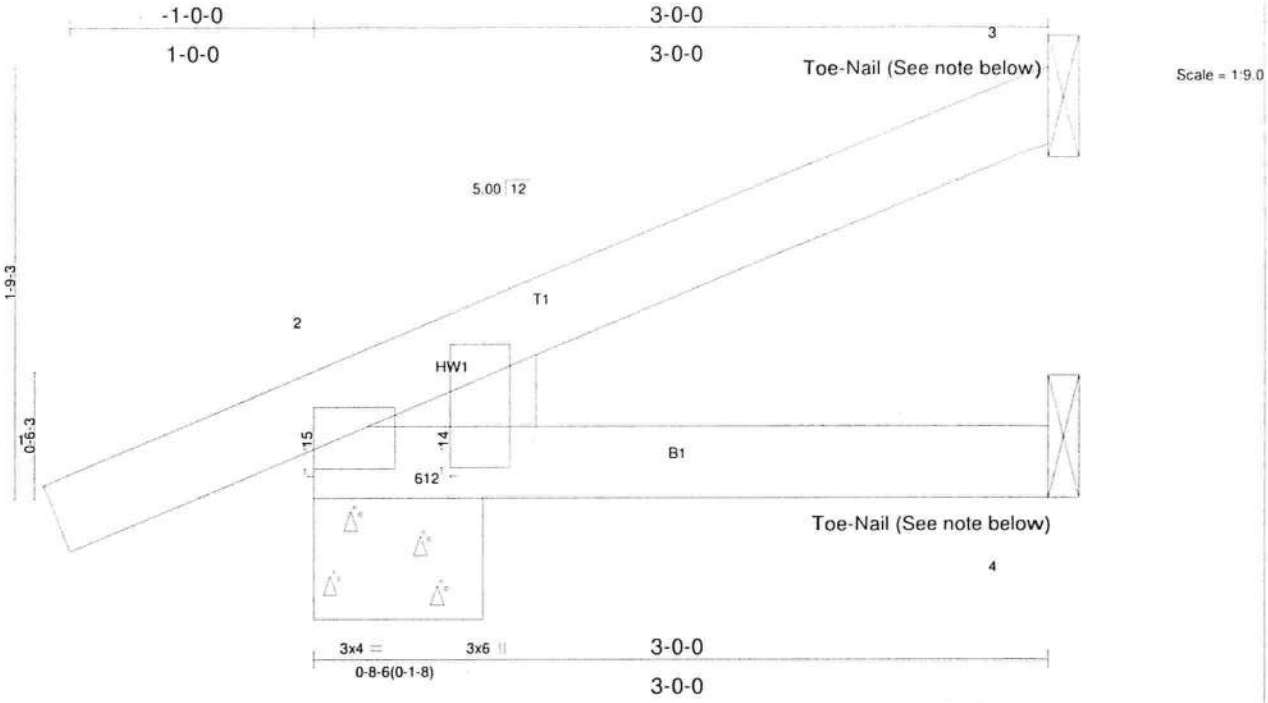

Plate Offsets (X,Y): [2:0-0-0,0-0-15], [2:0-0-14,0-6-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.14	Vert(LL)	-0.00	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
WEDGE
Left: 2 X 4 SYP No.2

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

REACTIONS (lb/size) 3=43/Mechanical, 2=193/0-8-6, 4=52/Mechanical
Max Horz 2=74(LC 6)
Max Uplift3=-38(LC 6), 2=-112(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/10, 2-3=-37/15
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 38 lb uplift at joint 3 and 112 lb uplift at joint 2.
5) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 3 and 4.

LOAD CASE(S) Standard

TOMAS PONCE
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OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	JS2	SPECIAL	2	1	

Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:47 2008 Page 1

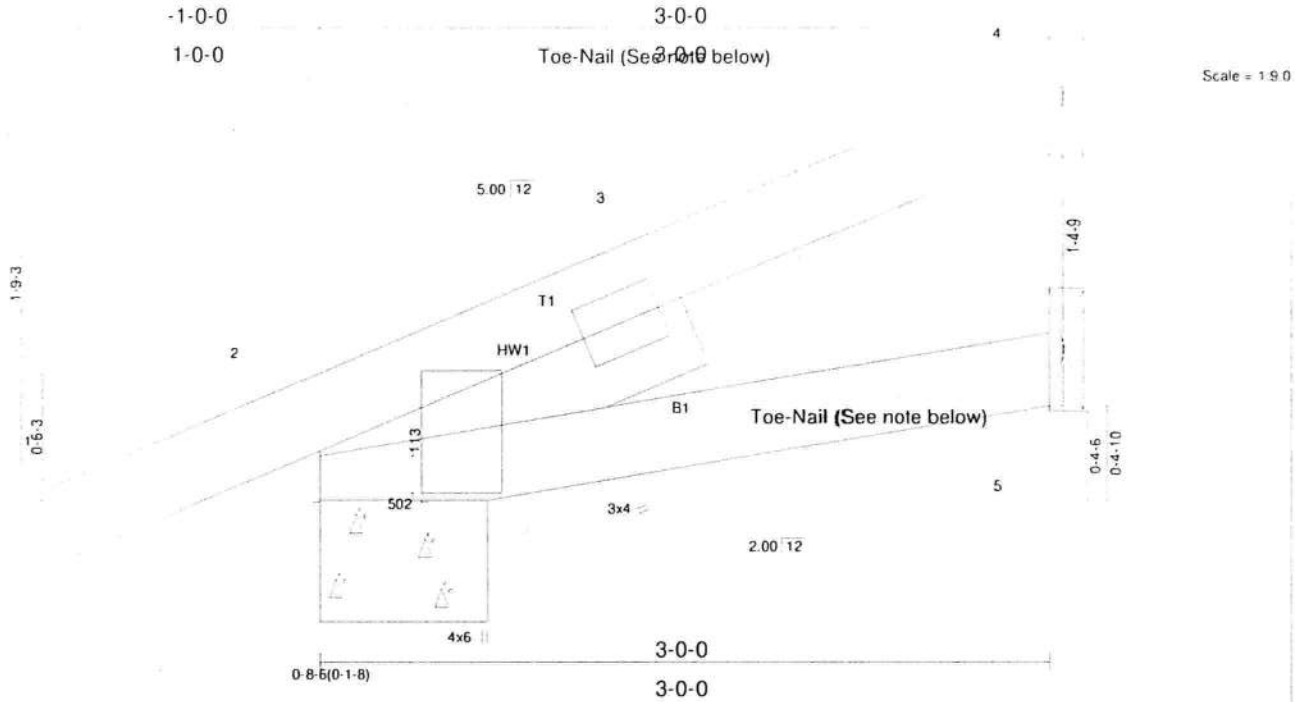


Plate Offsets (X,Y): [2:0-1-13,0-5-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.08	Vert(LL)	-0.00	2-5	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	-0.01	2-5	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	4	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
SLIDER Left 2 X 4 SYP No.2 1-7-9

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) 4=57/Mechanical, 2=185/0-8-6, 5=58/Mechanical
Max Horz 2=72(LC 6)
Max Uplift4=-53(LC 6), 2=-88(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/6, 2-3=-42/0, 3-4=-28/16
BOT CHORD 2-5=-8/8

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 53 lb uplift at joint 4 and 88 lb uplift at joint 2.
6) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 4 and 5.

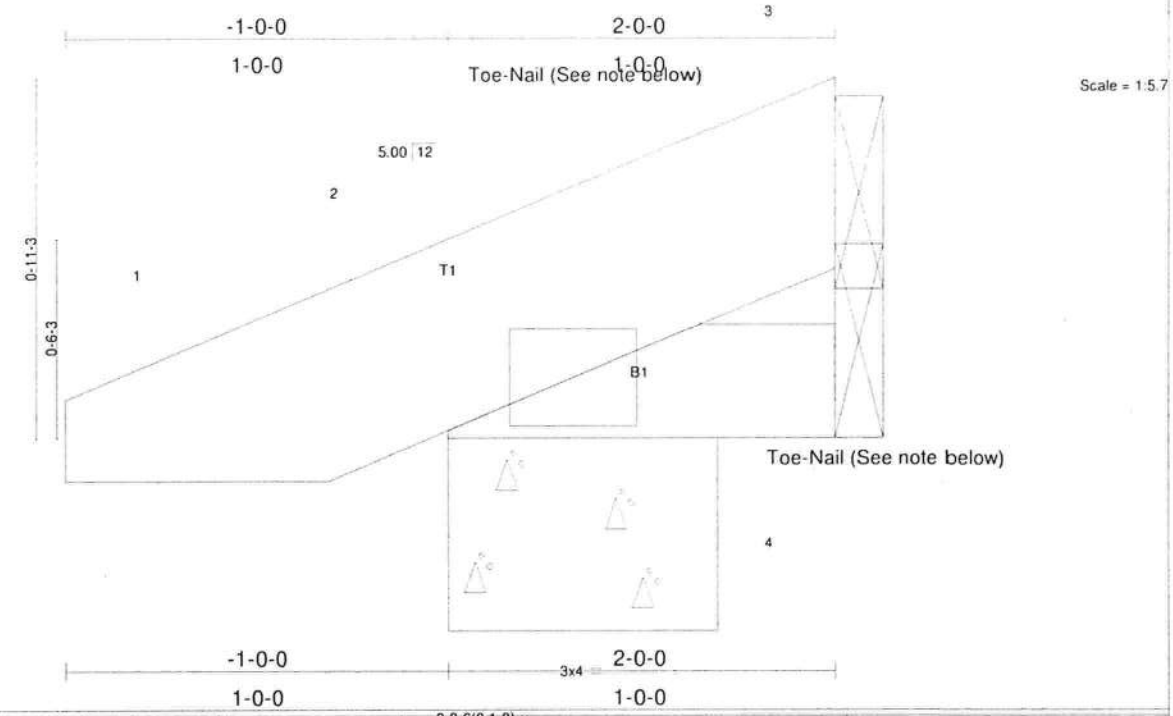
LOAD CASE(S) Standard

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	J3	JACK	4	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:42 2008 Page 1



0-8-6(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	0.02	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: 7 lb	

LUMBER
TOP CHORD 2 X 6 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=86/0-8-6, 4=18/Mechanical, 3=8/Mechanical
Max Horz 2=32(LC 6)
Max Uplift2=-62(LC 6), 3=-11(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/7, 2-3=-17/2
BOT CHORD 2-4=0/0

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

LOAD CASE(S) Standard

TOMAS PONCE LICENSE No 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

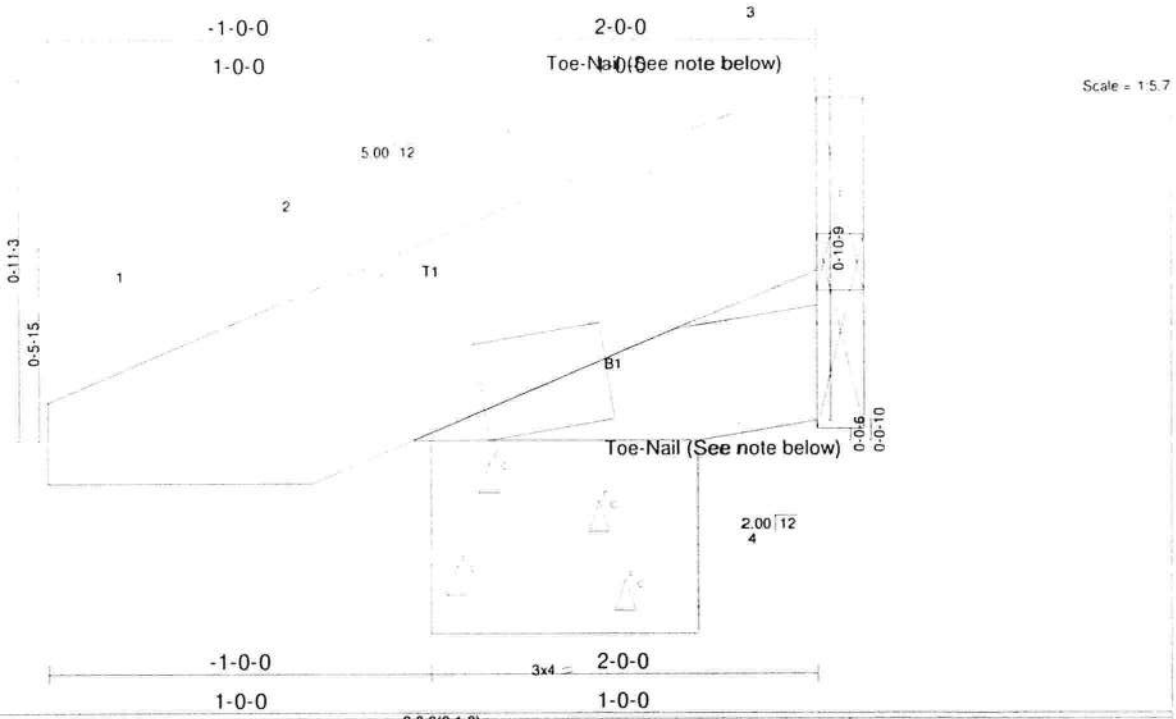
OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	JS3	SPECIAL	2	1	

Job Reference (optional)

Maronda Homes Inc., Sanford, Florida

7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:47 2008 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	0.05	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: 7 lb	

LUMBER
TOP CHORD 2 X 6 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) 4=19/Mechanical, 2=84/0-8-6, 3=11/Mechanical
Max Horz 2=29(LC 6)
Max Uplift2=-54(LC 6), 3=-14(LC 5)

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

NOTES (7)
1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) 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 54 lb uplift at joint 2 and 14 lb uplift at joint 3.
6) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS
7) Attach with (2) 16d Common Toe-Nails (0.162"x3.5") at joints 3 and 4.

LOAD CASE(S) Standard

TOMAS PONCE
LICENSE
No. 50068
STATE OF FLORIDA
PROFESSIONAL ENGINEER

OCT 15 2008

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	V1S	VALLEY	1	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida

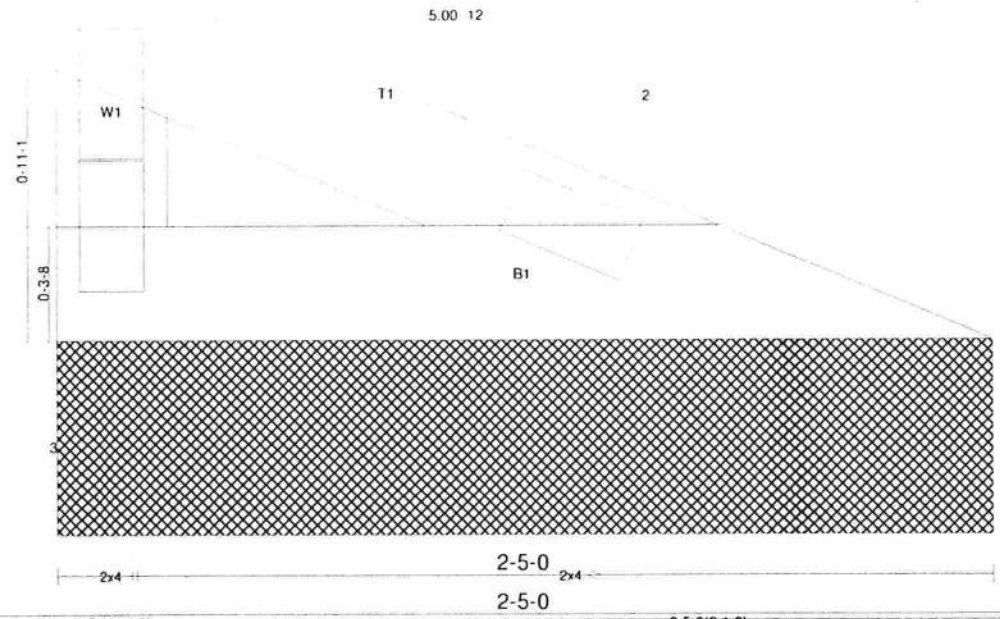
7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:56 2008 Page 1

2x4

0-2-8 2-5-0

0-2-8 2-2-8

Scale = 1:5.6



LOADING (psf)		SPACING 2-5-0(0-1-8)	2-0-0	CSI		DEFL	in	(loc) 2-5-0(0-1-8)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.02	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.02	Vert(TL)	n/a	-	n/a	999		
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: 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 2-5-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=66/2-5-0, 2=66/2-5-0
Max Horz 3=-27(LC 7)
Max Uplift3=-22(LC 7), 2=-11(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-3=-35/40, 1-2=-20/11
BOT CHORD 2-3=-0/33

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 22 lb uplift at joint 3 and 11 lb uplift at joint 2.

LOAD CASE(S) Standard

OCT 1 5 2008

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STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	V2S	VALLEY	1	1	

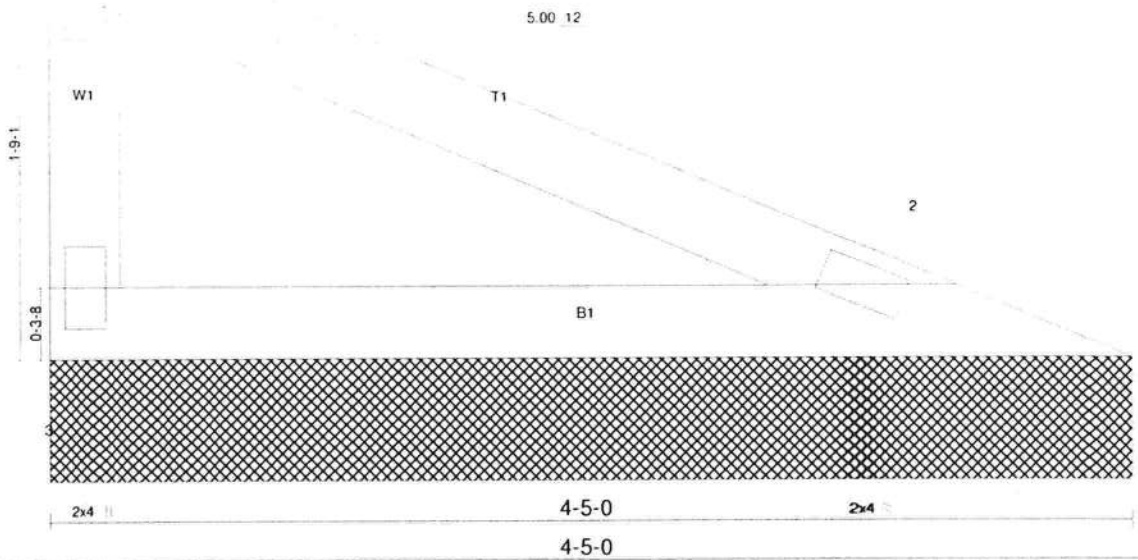
Job Reference (optional)

Maronda Homes Inc., Sanford, Florida — 7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:57 2008 Page 1

0-2-8 (2x4) 4-5-0

0-2-8 4-2-8

Scale = 1:9.0



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.12	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	2	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 4-5-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=152/4-5-0, 2=152/4-5-0
Max Horz 3=-61(LC 7)
Max Uplift3=-50(LC 7), 2=-25(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-3=-81/92, 1-2=-46/25
BOT CHORD 2-3=-0/76

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 50 lb uplift at joint 3 and 25 lb uplift at joint 2.

LOAD CASE(S) Standard

OCT 15 2008

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STATE OF
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PROFESSIONAL ENGINEER

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	V3S	GABLE	1	1	

Job Reference (optional)

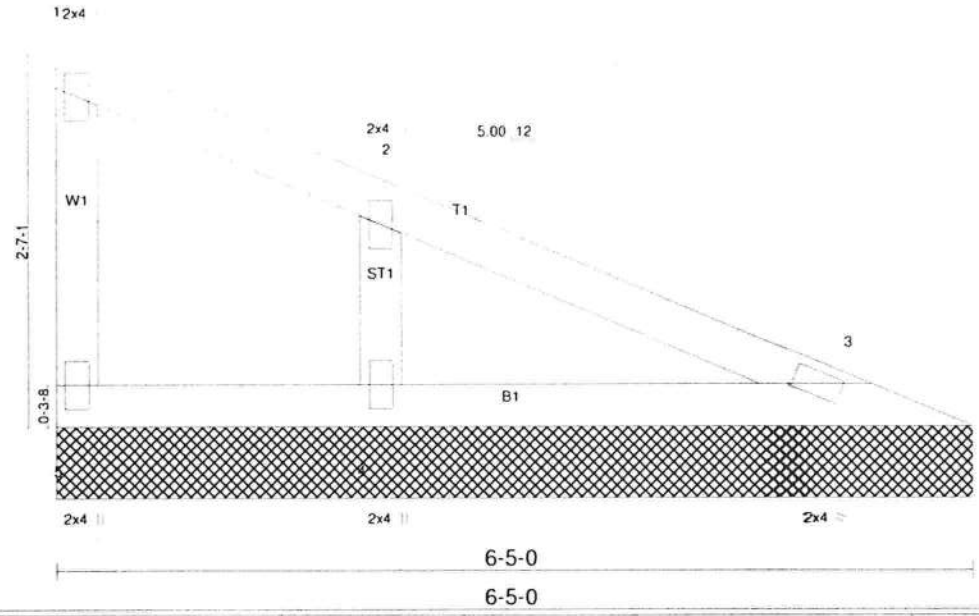
Maronda Homes Inc., Sanford, Florida

7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:57 2008 Page 1

0-2-8 6-5-0

0-2-8 6-2-8

Scale = 1:15.4



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.10	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	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 23 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 5=48/6-5-0, 3=118/6-5-0, 4=310/6-5-0
Max Horz 5=-96(LC 7)
Max Uplift5=-16(LC 7), 4=-102(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-5=-26/29, 1-2=-28/6, 2-3=-99/36
BOT CHORD 4-5=-0/117, 3-4=-0/117
WEBS 2-4=-166/184

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 16 lb uplift at joint 5 and 102 lb uplift at joint 4.

OCT 15 2008

LOAD CASE(S) Standard

TOMAS PONCE
LICENSE
No. 50068
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	V4S	GABLE	1	1	Job Reference (optional)

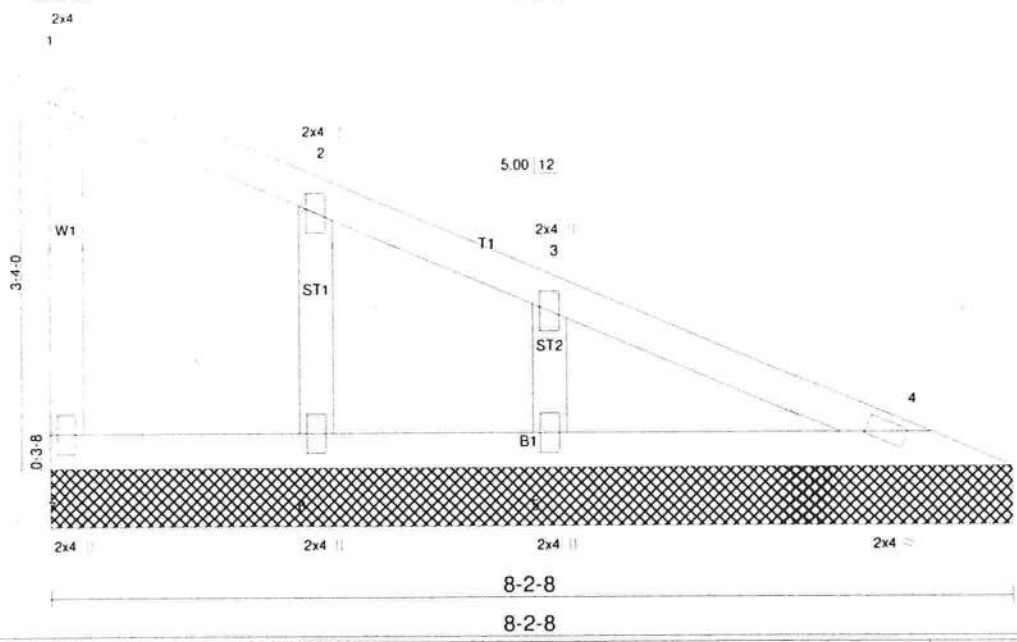
Maronda Homes Inc., Sanford, Florida

7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:58 2008 Page 1

0-2-8 8-2-8

0-2-8 8-0-0

Scale = 1:18.7



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0	Rep Stress Incr	YES	WB	0.02	Horz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 33 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) 7=80/8-2-8, 4=113/8-2-8, 6=166/8-2-8, 5=273/8-2-8
Max Horz 7=-127(LC 7)
Max Uplift7=-26(LC 7), 6=-54(LC 7), 5=-90(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-7=-43/46, 1-2=-25/13, 2-3=-68/12, 3-4=-139/33
BOT CHORD 6-7=-0/152, 5-6=-0/152, 4-5=-0/152
WEBS 2-6=-89/96, 3-5=-146/159

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 7, 54 lb uplift at joint 6 and 90 lb uplift at joint 5.

LOAD CASE(S) Standard

OCT 15 2008

TOMAS PONCE
LICENSE
No. 50068
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	V6	VALLEY	2	1	

Job Reference (optional)

Maronda Homes Inc., Sanford, Florida

7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:59 2008 Page 1

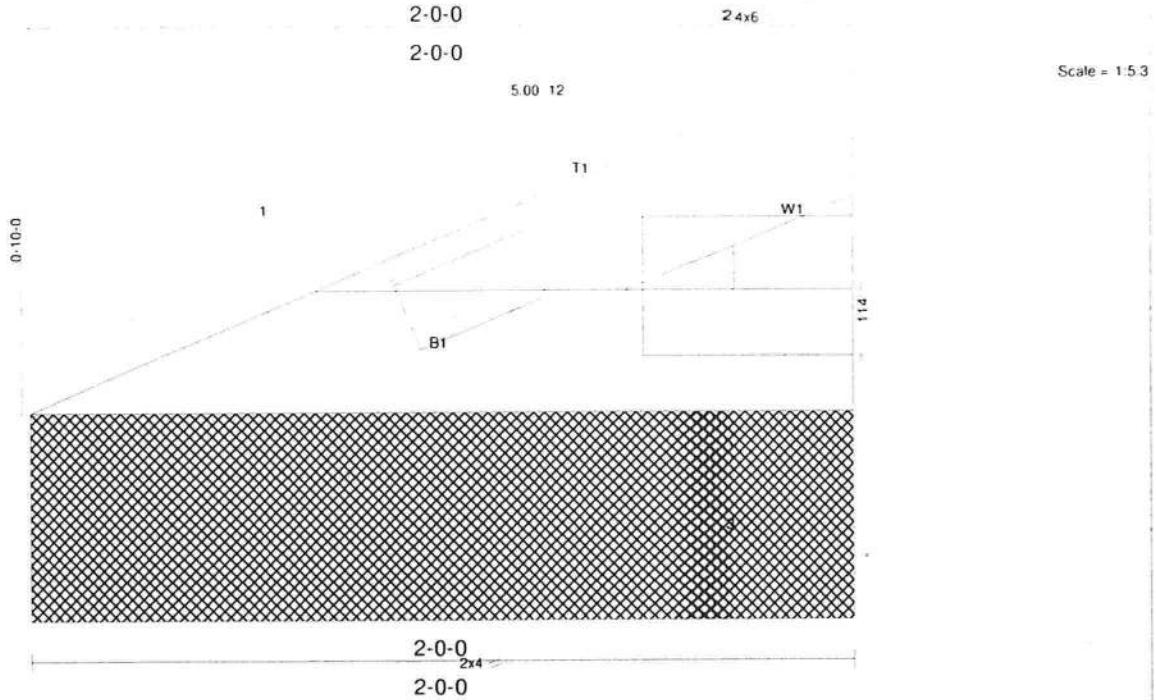


Plate Offsets (X,Y): [2:Edge,0-1-14]

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: 5 lb	

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

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

REACTIONS (lb/size) 1=48/2-0-0, 3=48/2-0-0
Max Horz 1=19(LC 6)
Max Uplift1=-8(LC 6), 3=-16(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-15/8, 2-3=-26/29
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 8 lb uplift at joint 1 and 16 lb uplift at joint 3.

LOAD CASE(S) Standard

OCT 15 2008

TOMAS PONCE LICENSE No. 50068 STATE OF FLORIDA PROFESSIONAL ENGINEER

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	V7	VALLEY	2	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida

7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:33:59 2008 Page 1

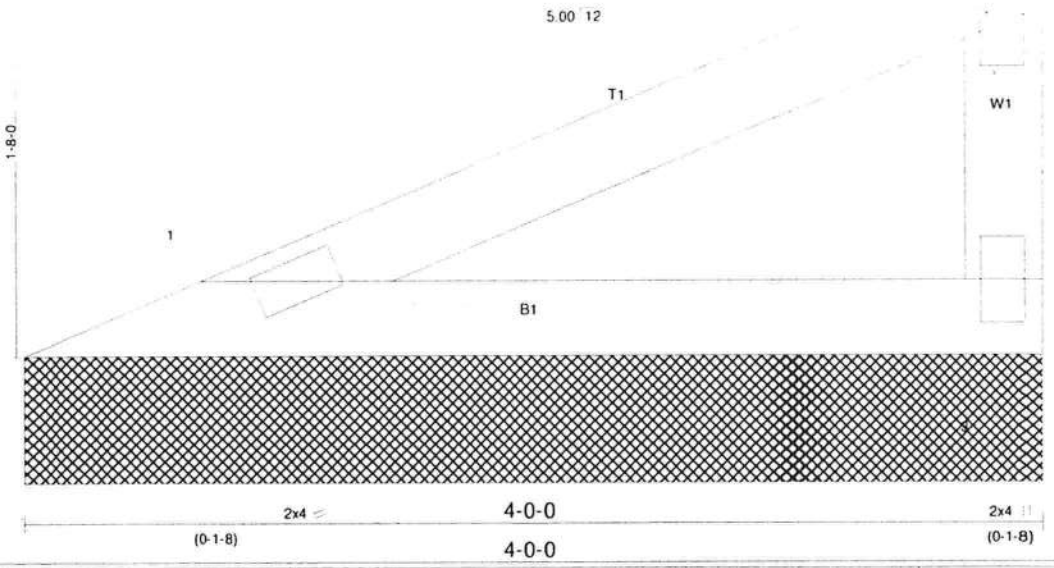
4-0-0

4-0-0

2x4

2

Scale = 1:8.6



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plates Increase	1.25	TC	0.10	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	0.00	Horz(TL)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 13 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 4-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=134/4-0-0, 3=134/4-0-0
Max Horz 1=54(LC 6)
Max Uplift1=-22(LC 6), 3=-44(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-40/22, 2-3=-72/81
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 22 lb uplift at joint 1 and 44 lb uplift at joint 3.

OCT 15 2008

LOAD CASE(S) Standard

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STATE OF
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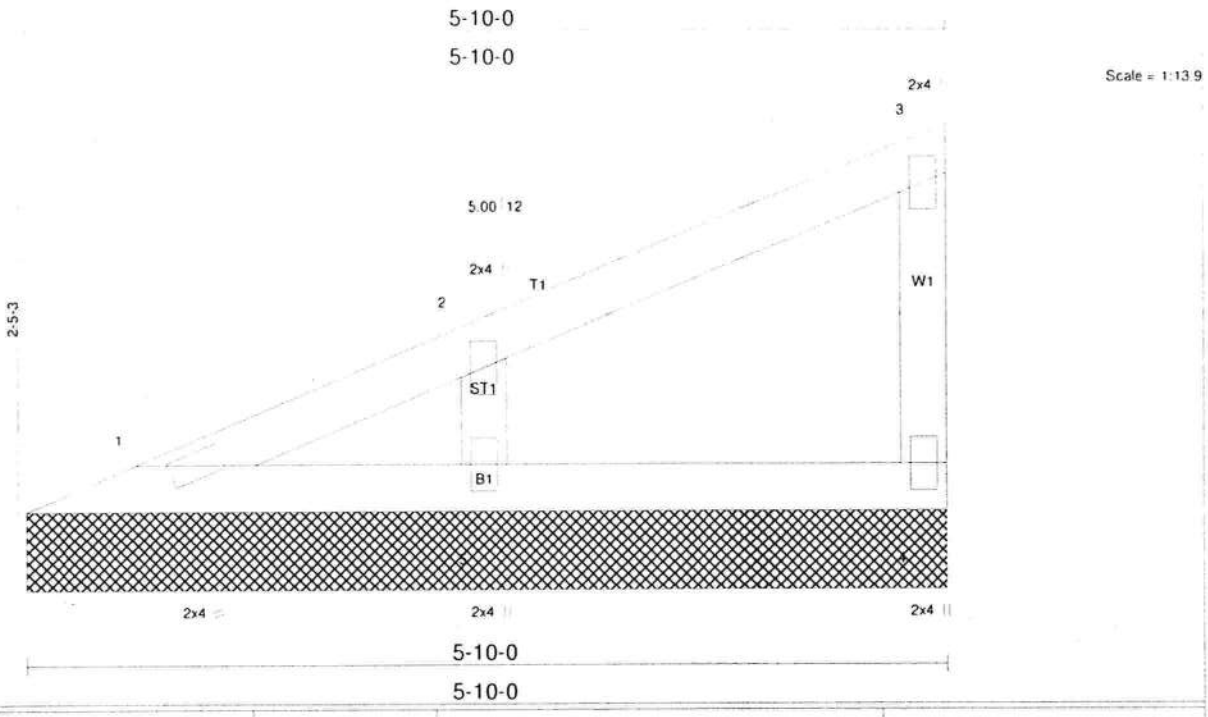
PROFESSIONAL ENGINEER

Job	Truss	Truss Type	Qty	Ply	DAVENPORT_125_9TM04001
DAVENPORT	V8	VALLEY	2	1	Job Reference (optional)

Maronda Homes Inc., Sanford, Florida

7.030 s Mar 11 2008 MiTek Industries, Inc. Fri Oct 10 14:34:00 2008 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	0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.06	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0	Rep Stress Incr	YES	WB	0.02	Horz(TL)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 21 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 5-10-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=63/5-10-0, 4=94/5-10-0, 5=269/5-10-0
Max Horz 1=86(LC 6)
Max Uplift4=-31(LC 6), 5=-88(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-99/26, 2-3=-31/15, 3-4=-51/57
BOT CHORD 1-5=0/0, 4-5=0/0
WEBS 2-5=-144/161

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 31 lb uplift at joint 4 and 88 lb uplift at joint 5.

LOAD CASE(S) Standard

OCT 15 2008

TOMAS PONCE
LICENSE
No. 50068
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

14/1

Maronda Homes
An Easily Observable, Better Value!

11200 St. Johns Industrial Parkway North Suite 2. Jacksonville, Florida 32246
(904)646-1186 PHONE, (904)646-9553 FAX

Memorandum

Date: May 11, 2004

To:

From: Maronda Homes, Inc. of Florida
Permitting Department

Re: BORA-CARE

Effective with the permit packets from this point forward we will no longer be using pre-treated wood framing and trusses for our homes. We will be treating the wood once it is received on the job site with BORA-CARE Termiticide, Insecticide and Fungicide Concentrate. We ask that you please pass this information through the channels necessary to insure that everyone will know about this upcoming change including the inspectors. If you should have any questions at all in regards to this or if there is a different process to distribute this information, please feel free to contact me at any time.

Thank you,

Maronda Homes, Inc.
P: 904-646-1186
F: 904-646-4244

BORA-CARE®

Termiticide, Insecticide, and Fungicide Concentrate

A PRODUCT OF NISUS CORPORATION

For the Prevention and Control of:

TERMITES, CARPENTER ANTS, WOOD DESTROYING BEETLES, and DECAY FUNGI

FOR BOTH INTERIOR AND EXTERIOR USE

For use in and around Homes, Apartments, Garages, Museums, Public and Private Institutions, Schools, Hotels, Hospitals, Kennels, Stables, Farm Buildings, Trucks, Trailers, Warehouses, Supermarkets, Restaurants, and Food Processing Plants.

Authorized by the USDA for use on Non-Food Contact Surfaces in Edible Product Areas of Official Establishments Operating under the Meat, Poultry, Shell Egg Grading and Egg Products Inspection Programs.

ACTIVE INGREDIENT:
.Disodium Octaborate Tetrahydrate ($Na_2B_8O_{13} \cdot 4H_2O$):..... 40.0%
INERT INGREDIENTS:..... 60.0%

Density: 11.51 pounds per gallon

EPA Reg. No. 64405-1
EPA Est. 64405-TN-1
U.S. Patent Nos. 5,104,664 5,296,240 5,460,816 5,645,828

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS

Hazards To Humans & Domestic Animals

CAUTION: Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

Statement of Practical Treatment

If Inhaled: Remove victim to fresh air. Apply artificial respiration if indicated. Contact a physician if warranted. **If In Eyes:** Flush with plenty of water. Get medical attention if irritation persists.
If On Skin: Wash with plenty of soap and water. Get medical attention.

IN CASE OF A MEDICAL EMERGENCY involving this product call (800) 424-9300 or your local Poison Control Center.

Environmental Hazards

BORA-CARE® solutions carelessly spilled or applied to cropland or growing plants including trees and shrubs may kill or seriously retard plant growth. Cover plants and nearby soil with plastic to avoid contamination. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

NOTICE

Read and understand the entire label before using. Use only according to label directions.

Before buying or using this product, read "WARRANTY LIMITATIONS AND DISCLAIMER" statement found elsewhere on this label. If terms are unacceptable, return unopened package to seller for full refund of purchase price. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under WARRANTY LIMITATIONS AND DISCLAIMER.

BORA-CARE® should be applied only to bare wood, plywood, particle board and other cellulosic materials where an intact water repellent barrier such as paint, stain, or a sealer is not present.

The use of this product in food processing establishments should be confined to time periods when the plant is not in operation. Foods should be removed or covered during treatment. All food processing surfaces should be covered during treatment or thoroughly cleaned before using. After treatment in food processing plants, thoroughly wash all equipment, benches, shelving, etc. where exposed food will be handled, with an effective cleaning compound and rinse with potable water.

When spraying overhead interior areas of homes, apartment buildings, etc. cover or protect all surfaces below the area being sprayed with plastic sheeting or other material which can be disposed of if contamination from dripping occurs. Do not apply in food serving areas while food is exposed.

BORA-CARE® is NOT a soil termiticide and should not be used directly to treat the soil.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.
PESTICIDE STORAGE: Store in a dry place. Do not store where children or animals may gain access. Do not freeze.
PESTICIDE DISPOSAL: Do not contaminate water when disposing of equipment washwaters. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.
CLEANUP: Use soap and water to clean up tools.

SAFE HANDLING PROCEDURES

Applicators and other handlers must wear long-sleeved shirt and long pants, socks, shoes, chemical-resistant gloves, and protective eyewear. When applying BORA-CARE® in confined spaces, it is recommended that ventilation or an exhaust system be provided. If this is impractical, the use of a NIOSH approved respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approved prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE prefilter is recommended. Spills and over-spray may be cleaned with a damp cloth or absorbed with appropriate materials. (Refer to the BORA-CARE® Material Safety Data Sheet for additional health and safety information.)

I. MIXING INSTRUCTIONS

BORA-CARE® is a concentrate which **must** be diluted with clean water before use. The use of warm or hot water, if available, and an impeller type mixer which can be used with an electric drill aids the dilution process.

A. **Hand Sprayers:** Mix in a clean container and stir the solution until completely uniform. Always mix in a separate container then add the solution to a spray tank. Mixing BORA-CARE® directly in a spray tank can block hoses and nozzles.

B. **High Volume Pumping Systems:** Add all of the dilution water to tank, start recirculator, then slowly add BORA-CARE® concentrate. Allow to mix until uniform.

Use 1:1 and 2:1 BORA-CARE® solutions within 24 hours after mixing. 5:1-solutions will remain stable for up to 30 days. Do not leave unused solution under pressure or in tank overnight. Clean and/or flush equipment and lines with water after use.

BORA-CARE® may be tank-mixed with an approved non-residual pesticide for quicker knock-down of carpenter ants and other insects.

II. DILUTION RATIOS by volume.

TABLE A.

Target Pests	Dilution Ratios Water to BORA-CARE®	Application Notes
All Insects and Decay Fungi	1:1	Spray, Injection, Brush, Roller.
Subterranean and Formosan Termites	1:1 or 2:1	2:1 dilution ratio may be used for foaming
Drywood Termites	1:1 or 2:1	
Anobiid and Lyctid Powderpost Beetles	1:1 or 2:1	Use a 2:1 dilution ratio for treating hardwood floors. Logs require a 1:1 ratio.
All other beetle species	1: 1	
Carpenter Ants	1:1 or 2:1	
Decay Fungi	1:1 or 2:1	Use a 1:1 dilution ratio on wood members 2" thick or greater.
Drywood Termites, Powderpost	5:1	Two (2) applications required for

Beetles and Decay Fungi	surface spray. For prevention only.

TABLE B.

Application	Dilution Ratios Water to BORA-CARE®	Application Notes
Logs, Large Beams and Dimensional Lumber	1:1	All Insects & Decay Fungi.
Preventative Treatment of Decking, Fences and Plywood	2:1	Use on wood members 2" in thickness or less.
Prevention of Powderpost Beetles and Drywood Termites	5:1	For prevention only.
Logs, Large Beams and Dimensional Lumber	5:1	Dip treatment only.

III. GENERAL INFORMATION

BORA-CARE® is an innovative termiticide, insecticide and fungicide that eliminates existing infestations and provides long term protection against:

Subterranean Termites: Reticulitermes, Heterotermes
Formosan Termites: Coptotermes
Dampwood Termites: Zootermopsis, Neotermes
Drywood Termites: Kalotermes, Incisitermes
Powderpost Beetles: Lyctidae, Bostrichidae
Anobiid Beetles: Anobiidae
Old House Borers, Longhorn Beetles: Cerambycidae, Hylotrupes
Ambrosia Beetles: Platypodidae, Scolytidae
Carpenter Ants: Camponotus
Brown Rot, White Rot, and Wood Decay Fungi

BORA-CARE® can be used on all cellulosic materials including wood, plywood, particle board, paper, oriented strand board (OSB), cardboard and wood composite structural components.

In areas where a soil treatment/barrier termiticide treatment is required by law, BORA-CARE® should be applied as a supplemental pretreatment to protect wood from subterranean termites that may penetrate chemical gaps occurring in termiticide-treated soil.

As a remedial treatment, BORA-CARE® will both eliminate and prevent infestations of Formosan, subterranean and drywood termites, wood boring beetles, carpenter ants and decay fungi. It may also be used as a supplement or alternative to fumigation in order to provide long term residual control.

Since BORA-CARE® is applied directly to the wood, it can be used in areas where environmental contamination is of concern (nearby wells, cisterns, etc.). The active ingredient in BORA-CARE® is an

inorganic salt and once in place, it will not decompose or volatilize out of the wood. Treatment is long lasting as long as the treated material is not exposed to rain, continuous water or ground contact.

Older wood boring beetle larvae (particularly Old House Borers) already present in the wood at the time of treatment may occasionally emerge sometime after treatment. This will not occur frequently enough to cause structural damage to any wooden member.

IV. REMEDIAL TREATMENT FOR THE CONTROL OF SUBTERRANEAN, FORMOSAN, DRYWOOD AND DAMPWOOD TERMITES, CARPENTER ANTS, OLD HOUSE BORERS, POWDERPOST AND OTHER WOOD BORING BEETLES AND WOOD DECAY FUNGI

A. Infested wood can be treated by spraying and/or injecting BORA-CARE® solution into beetle holes, termite and carpenter ant galleries and decay pockets. Apply one (1) coat of BORA-CARE® solution to the point of wetness to all infested and susceptible wood, paying particular attention to infested areas. Two (2) coats of BORA-CARE® solution need only be applied to those wood members with only one (1) or two (2) exposed sides. For quicker control, apply an additional coat onto heavily infested areas waiting at least 20 minutes between applications.

In cases where the infestation is not accessible from the surface, small holes may be drilled into the wood in order to gain access to the infested area. Inject enough diluted solution to completely flood galleries or voids. Adjacent intact wood may be treated by pressure injecting BORA-CARE® into holes drilled into the wood at eight (8) to ten (10) inch intervals. Inject at 40 psi for four (4) to six (6) seconds per hole.

For treating infested wall voids, refer to Sections IV. E. and F.

B. Basements and crawl spaces may be treated by applying one (1) coat of diluted BORA-CARE® solution to the point of wetness to all infested and susceptible wood surfaces including sill plates, piers, girders, subfloors, floor joists and any wood exposed to vertical access from the soil. On wood where access is limited to one (1) or two (2) sides of wood members, such as sills and plates on foundation walls, apply two (2) coats of BORA-CARE® solution. Wait at least 20 minutes between applications. Apply at a rate of approximately one (1) gallon of BORA-CARE® solution per 200 square feet of floor area (400 square feet of wood surface area).

C. Buildings on slabs may be treated by applying BORA-CARE® solution into wall voids by locating each stud and drilling a small hole through the wall covering to gain access to the infested area. Drill holes adjacent to the side of each stud every 18-24 inches along its length and inject at least 1/3 fluid ounce of BORA-CARE® solution per hole. Drill at least one hole per stud bay near the floor in order to treat the base plate in each void. Treat entire wall areas as opposed to single stud bays in order to include the infested area completely within the treatment zone.

D. Wood flooring can be treated by spray, brush or roller application. It will be necessary to remove any existing finish by complete coarse sanding or stripping prior to application. Apply a two (2) parts water to one (1) part BORA-CARE® (2:1) solution at a rate of approximately one (1) gallon of solution per 500 square feet of floor surface. For treating infestations of subterranean or Formosan termites, two (2) coats may be required, waiting at least one (1) hour between applications. Allow floor to completely dry (typically 48 to 72 hours). Moisture content must be 10% or less before applying final finish. BORA-CARE® applications may raise the grain of the wood and an additional light sanding may be necessary before applying a new finish. Although BORA-CARE® is compatible with most floor

coatings, always test a small section of treated floor with the new finish and check for appropriate adhesion prior to coating the entire floor.

NOTE: If surface is tacky or residue is evident after 72 hours of drying time, wash affected area with clean water and a mop, cloth or sponge, rinsing frequently. Allow surface to dry prior to final light sanding and application of finish coat.

E. For treating voids, wall studs and wood members not accessible by conventional application methods, spray or mist solution into voids and channels in damaged and suspected infested wood and/or through small holes drilled into walls and baseboard areas. Holes should be spaced no more than 24" apart along each member to be treated and at least one (1) hole must be drilled between each wall stud when treating base plates. Use sufficient amount of material to cover all areas to the point of wetness.

NOTE: Existing insulation may interfere with distribution of the BORA-CARE® ® solution. If necessary, remove or displace insulation prior to treatment.

F. Foam applications: BORA-CARE® can be applied to bare wood surfaces and void areas as a foam by mixing two (2) parts water with one (1) part BORA-CARE® (2:1) and adding 3 to 8 ounces of foaming agent per gallon of mixed solution. Apply foam being sure to completely fill the void. Foam will take approximately one (1) hour to return to liquid state and soak into bare wood.

Apply foamed BORA-CARE® to void spaces at a 1:20 to 1:30 foam ratio (one [1] gallon of mixed solution expanded with foaming agent to produce 20 to 30 gallons of foam). Apply enough foam to completely fill void and contact all wood surfaces in the void space.

G. Foam insulation may be treated by injecting a two (2) parts water to one (1) part BORA-CARE® (2:1) solution into the infested area and/or low pressure surface spraying at a rate of one (1) gallon per 300 to 400 square feet.

NOTE: Some types of foam insulation, such as polyisocyanurate and extruded polystyrene, have closed cell structures which do not allow significant penetration from surface application. These types of foam should be injected, as well as surface sprayed, to achieve proper control or prevention of infestations.

V. PREVENTATIVE AND/OR PRETREATMENT FOR WHOLE HOUSE PROTECTION FROM SUBTERRANEAN, FORMOSAN, DRYWOOD AND DAMPWOOD TERMITES, CARPENTER ANTS, OLD HOUSE BORERS, POWDERPOST AND OTHER WOOD BORING BEETLES AND WOOD DECAY FUNGI

NOTE: This treatment serves as a primary treatment for the control of Formosan and subterranean termites.

Pretreatment should be performed at a point during the construction process when the greatest access to all wood members is available. Normally this is at the "dried-in" stage of construction when all structural wood and sheathing is in place, yet prior to installation of insulation, mechanical systems, electrical wiring, etc.

Apply one (1) coat of a one (1) gallon water to one (1) gallon BORA-CARE® (1:1) solution to all wood surfaces to the point of wetness. Concentrate application in areas susceptible to attack, to include all sills, plates, floor joists, piers, girders and subfloors. Treat wood in all plumbing, electrical, and ductwork areas where they penetrate walls or floors. Treat all base plates and studs on interior and exterior walls, especially those surrounding any high moisture areas such as bathrooms, kitchens and laundry rooms. For buildings built on slabs, treat all wood in contact with the slab as well as all interior and exterior wall studs and wall sheathing material. In attics, treat all wood including ceiling joists, trusses, top plates, rafters and roof decking. Be sure that all sill plates and wood contacting garages and porches are treated.

In areas where access is limited to one (1) or two (2) sides of a wood member, apply two (2) coats of BORA-CARE® solution to the exposed surfaces. Wait at least 20 minutes between applications.

Treat all exterior wood including siding, fascias, soffits, eaves, roofing, porches, decks and railings (refer to Sections VIII and IX for complete exterior application information).

VI. PREVENTATIVE AND PRETREATMENTS FOR SUBTERRANEAN TERMITES (CRAWL SPACE, BASEMENT AND SLAB)

NOTE: This treatment serves as a primary treatment for the control of subterranean termites.

Use only a one (1) part water to one (1) part BORA-CARE® (1:1) solution when treating for subterranean termites.

Pretreatment may be performed at any point during the construction process, however it is best performed when greatest access to all wood members is available. Normally this is at the "dried-in" stage of construction when all structural wood and sheathing is in place, yet prior to installation of insulation, mechanical systems, electrical wiring, etc.

A. Buildings on Crawl Spaces and Basements: Apply one (1) coat of a one (1) gallon water to one (1) gallon BORA-CARE® (1:1) solution to point of wetness in a 24-inch wide uninterrupted band to all wood surfaces in crawl spaces and basements, to include all sills, plates, floor joists, piers, girders and subfloors as well as wood exposed to vertical access from the soil. Treat all wall base plates and the bottom two (2) feet of all interior and exterior wall studs. Treat any wood adjacent to plumbing, electrical conduit and ducts where they penetrate subfloors or plates, and all wood next to porches, garages, and fireplaces in order to provide a two (2) foot wide barrier of BORA-CARE® treatment against termite penetration.

On wood where access is limited to one (1) or two (2) sides of wood members such as sills and plates on foundation walls, apply two (2) coats of BORA-CARE® solution. Wait at least 20 minutes between applications. If accessible, treat the exterior of sill areas around the entire perimeter of the structure with a 24-inch wide band of BORA-CARE® solution beginning with the sill area and extending upwards onto the sheathing material.

On multiple story structures, treat only the first story above the masonry foundation level. Coated or painted wood may be treated by pressure injecting BORA-CARE® into holes drilled into the wood at eight (8) to ten (10) inch intervals. Inject at 40 psi for four (4) to six (6) seconds per hole.

B. Buildings on Slabs: Apply one (1) coat of a one (1) gallon water to one (1) gallon BORA-CARE® (1:1) solution to all base plates and the bottom 24 inches of all studs on all exterior and interior walls. In areas where access is limited to one (1) or two (2) sides of a wood member, apply two (2) coats of BORA-CARE® solution to the exposed surfaces. Wait at least 20 minutes between applications. Treat all wood in plumbing walls and apply to any wood in bath traps as well as wood adjacent to plumbing, electrical conduit and duct penetrations in order to provide a minimum 24 inch wide barrier of treatment between the soil and the balance of the structure.

VII. PREVENTATIVE TREATMENT FOR DRYWOOD TERMITES AND POWDERPOST BEETLES

Apply two (2) coats of a five (5) gallons water to one (1) gallon BORA-CARE® (5:1) solution to all wood surfaces to the point of wetness using a brush, spray or mist. Wait at least 20 minutes between applications.

VIII. TREATMENT OF EXTERIOR WOOD SURFACES LESS THAN TWO INCHES THICK SUCH AS DECKS, SHEDS, SIDING AND FENCES

Apply only to bare wood or to wood surfaces where an intact water repellent or finish is not present. If necessary, remove paint or finish prior to application. Apply one (1) coat of BORA-CARE® solution to the point of wetness to all wood surfaces. Apply two (2) coats of BORA-CARE® solution to heavily infested areas and to those surfaces where access is limited to one (1) or two (2) sides of wood members. Do not apply in rain or snow. Exterior wood surfaces must not be exposed to rain or snow for at least 48 hours after treatment. If inclement weather is expected, protect exterior treated surfaces with a plastic tarp.

For wood in contact with the ground or soil, see Section XI.

A. Finishing and Maintaining Treated Surfaces: For long term protection, exterior wood surfaces which have been treated with BORA-CARE® will require a topcoating with a water resistant finish such as paint or exterior stain. The finish or topcoat should be applied within six (6) weeks of treatment. It is important to allow BORA-CARE® treated wood to completely dry (at least 48 hours) before applying any protective topcoat. Coat a small section of treated wood with the finish to be used and check for compatibility prior to complete application.

IX. TREATMENT OF LOG STRUCTURES, TIMBERS, BEAMS, PILINGS, AND EXTERIOR WOOD MEMBERS TWO OR MORE INCHES THICK

Apply only to bare wood or to wood surfaces where an intact water repellent or other finish is not present. If necessary, remove paint or finish prior to application. Interior, unfinished surfaces which have accumulated dirt or cooking oils should be cleaned with a strong detergent prior to treatment. Apply a one (1) part water to one (1) part BORA-CARE® solution to the point of wetness to all interior and exterior wood surfaces. Refer to application chart for minimum amount of BORA-CARE® to treat various size logs or beams.

Typically, two (2) coats of solution will be required to treat round logs 10" or greater in diameter and rectangular logs larger than 6" x 12". Wait at least one (1) hour between applications. Two (2) coats of BORA-CARE® solution should also be applied to log ends, notches, corners and sill logs. Actual number of coats necessary to meet the minimum requirements will depend upon actual wood size, surface porosity and number of sides accessible for treatment. Do not apply in rain or snow. Exterior wood surfaces should not be exposed to rain or snow for at least 48 hours after treatment. If inclement weather is expected, protect exterior treated surfaces with a plastic tarp.

A. Finishing and Maintaining Treated Surfaces: For long term protection, exterior wood surfaces which have been treated with BORA-CARE® will require a topcoating with a water resistant finish paint or exterior stain. The finish or topcoat should be applied within six (6) weeks of treatment. It is important to allow BORA-CARE® treated wood to completely dry (at least 48 hours) before applying any protective topcoat. Coat a small section of treated wood with the finish to be used and check for compatibility prior to complete application.

X. DIP TREATING LOGS AND LUMBER

A dip treating solution may be prepared by mixing Five (5) part water to one (1) part BORA-CARE® (5:1). This will result in a stable solution containing 9% active ingredient. Bundled wood must be stickered in order to allow the solution to cover all wood surfaces. Logs and/or lumber should be submerged in the solution for at least one (1) minute or until all entrapped air has escaped. Protect treated wood from rain or snow for at least 24 hours after treatment.

XI. TREATMENT OF WOOD IN CONTACT WITH THE GROUND

A BORA-CARE® ® treatment to wood in contact with the ground or soil has a limited lifespan and will require periodic reapplication. Protection may be extended with the use of products such as JECTA® DIFFUSIBLE BORACIDE.

XII. APPLICATION RATES

TABLE A. **Dimensional Lumber**

Lumber Size (inches)	1 Gallon of Diluted BORA-CARE® ® Will Treat Up To:	Minimum Amount of Diluted BORA-CARE® ® To Treat 1000 Lineal Feet
1 x 4	1,200 Lineal Feet	0.8 Gallons
1 x12	400	2.6
2 x 4	600	1.6
2 x 6	400	2.6
2 x 8	308	3.2
2 x 10	240	4.2
2 x 12	200	5.0
4 x 4	300	3.4
4 x 6	200	5.0
4 x 8	150	6.8
4 x 12	100	10.0
6 x 6	133	7.6
6 x 8	100	10.0
6 x 10	80	12.6
6 x 12	68	15.0

TABLE B. **Panels, Siding and Plywood**
(1:1 or 2:1 dilution ratio)

Thickness (inches)	1 Gallon of Diluted BORA-CARE® ® Will Treat Up To:	Minimum Amount of Diluted BORA-CARE® ® to Treat 1000 Square Feet
1/4	1,600 Square Feet	0.6 Gallons
3/8	1,067	1.0
1/2	800	1.2
3/4	533	1.8
1	400	2.6

TABLE C. **Round logs**
(1:1 dilution ratio only)

Diameter (inches)	1 Gallon of Diluted BORA-CARE® ® Will Treat Up To:	Minimum Amount of Diluted BORA-CARE® ® to Treat 1000 Lineal Feet
6	167 Lineal Feet	6.0 Gallons
8	96	10.4
10	61	16.4
12	43	23.4

NOTE: The numbers listed above are based on an application rate of one (1) gallon of BORA-CARE® solution to 400 board feet of wood.

XIII. WARRANTY LIMITATIONS AND DISCLAIMER

Because of varying conditions affecting use and application, manufacturer warns buyer that these may impair or vary the results or effects of the use of this product. In any event, complete prevention of decay or insect infestation is not guaranteed. Neither the manufacturer not seller shall be liable in respect to any injury or damage suffered by reason of the use of this product for a purpose not indicated by the label or when used contrary to the directions or instructions hereon nor with respect to breach of any warranty not expressly specified herein. Buyer accepts this material subject to these terms and assumes all risk of usage and handling except when used or handled in accordance with this label.

It is not intended that this product be used to practice any applicable patent, whether mentioned or not, without procurement of a license, if necessary, from the owner, following investigation by the user.

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FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

14/1

Project Name:	**DAVENPORT NORTH**	Builder:	**MARONDA HOMES**
Address:		Permitting Office:	
City, State:	,	Permit Number:	
Owner:	**ELECTRIC**	Jurisdiction Number:	
Climate Zone:	**North**		

1. New construction or existing	New	
2. Single family or multi-family	Single family	
3. Number of units, if multi-family	1	
4. Number of Bedrooms	4	
5. Is this a worst case?	Yes	
6. Conditioned floor area (ft²)	2527 ft²	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
a. U-factor: (or Single or Double DEFAULT)	7a. Description Area (Dble Default) 237.0 ft²	
b. SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 237.0 ft²	
8. Floor types		
a. Slab-On-Grade Edge Insulation	R=0.0, 211.0(p) ft	
b. N/A		
c. N/A		
9. Wall types		
a. Concrete, Int Insul, Exterior	R=4.1, 1173.0 ft²	
b. Frame, Wood, Adjacent	R=13.0, 326.0 ft²	
c. N/A		
d. N/A		
e. N/A		
10. Ceiling types		
a. Under Attic	R=30.0, 2650.0 ft²	
b. N/A		
c. N/A		
11. Ducts		
a. Sup: Unc. Ret: Con. AH(Sealed):Interior	Sup. R=6.0, 250.0 ft	
b. N/A		

12. Cooling systems		
a. Central Unit	Cap: 47.5 kBtu/hr	
	SEER: 13.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 47.5 kBtu/hr	
	HSPF: 8.00	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 50.0 gallons	
	EF: 0.90	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT,	

Glass/Floor Area: 0.09

Total as-built points: 28994

Total base points: 32964

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

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

OWNER/AGENT: Melina McGaye

DATE: Melina McGaye

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

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

BUILDING OFFICIAL: _____

DATE: _____

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE

GLASS TYPES

.18 X Conditioned Floor Area	X BSPM	= Points
.18 2527.0	18.59	8456.0

WALL TYPES	Area	X BSPM	= Points
Adjacent	326.0	0.70	228.2
Exterior	1173.0	1.70	1994.1
Base Total:	**1499.0**		**2222.3**

DOOR TYPES	Area	X BSPM	= Points
Adjacent	18.0	2.40	43.2
Exterior	38.0	6.10	231.8
Base Total:	**56.0**		**275.0**

CEILING TYPES	Area	X BSPM	= Points
Under Attic	2527.0	1.73	4371.7
Base Total:	**2527.0**		**4371.7**

FLOOR TYPES	Area	X BSPM	= Points
Slab	211.0(p)	-37.0	-7807.0
Raised	0.0	0.00	0.0
Base Total:			**-7807.0**

INFILTRATION	Area	X BSPM	= Points
	2527.0	10.21	25800.7

AS-BUILT

Type/SC	Overhang Ornt	Len	Hgt	Area	X SPM	X SOF	= Points
1.Double, Clear	W	1.0	6.0	71.0	38.52	0.97	2654.0
2.Double, Clear	S	1.0	6.0	16.0	35.87	0.94	539.0
3.Double, Clear	E	1.0	6.0	78.0	42.06	0.97	3176.0
4.Double, Clear	W	1.0	8.0	40.0	38.52	0.99	1524.0
5.Double, Clear	N	1.0	6.0	32.0	19.20	0.97	598.0
As-Built Total:				**237.0**			**8491.0**

Type	R-Value	Area	X SPM	= Points
1. Concrete, Int Insul, Exterior	4.1	1173.0	1.13	1331.4
2. Frame, Wood, Adjacent	13.0	326.0	0.60	195.6
As-Built Total:		**1499.0**		**1527.0**

Type	Area	X SPM	= Points
1.Exterior Wood	20.0	6.10	122.0
2.Adjacent Wood	18.0	2.40	43.2
3.Exterior Wood	18.0	6.10	109.8
As-Built Total:	**56.0**		**275.0**

Type	R-Value	Area	X SPM X SCM	= Points
1. Under Attic	30.0	2650.0	1.73 X 1.00	4584.5
As-Built Total:		**2650.0**		**4584.5**

Type	R-Value	Area	X SPM	= Points
1. Slab-On-Grade Edge Insulation	0.0	211.0(p	-41.20	-8693.2
As-Built Total:		**211.0**		**-8693.2**

Area	X SPM	= Points
2527.0	10.21	25800.7

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE				AS-BUILT							
Summer Base Points: 33318.7				**Summer As-Built Points:**							**31984.9**
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 47500btuh ,SEER/EFF(13.0) Ducts:Unc(S),Con(R),Int(AH),R6.0(INS)							
				31985	1.00	(1.08 x 1.147 x 0.86)	0.260	0.950	8468.3		
33318.7	**0.3250**	**10828.6**		**31984.9**	**1.00**	**1.072**	**0.260**	**0.950**	**8468.3**		

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	2527.0	20.17	9175.0	1.Double, Clear	W	1.0	6.0	71.0	20.73	1.01	1483.0
				2.Double, Clear	S	1.0	6.0	16.0	13.30	1.03	218.0
				3.Double, Clear	E	1.0	6.0	78.0	18.79	1.02	1489.0
				4.Double, Clear	W	1.0	8.0	40.0	20.73	1.00	831.0
				5.Double, Clear	N	1.0	6.0	32.0	24.58	1.00	786.0
				As-Built Total:				**237.0**			**4807.0**
WALL TYPES	Area X	BWPM	= Points	Type		R-Value		Area X	WPM		= Points
Adjacent	326.0	3.60	1173.6	1. Concrete, Int Insul, Exterior		4.1		1173.0	6.42		7530.7
Exterior	1173.0	3.70	4340.1	2. Frame, Wood, Adjacent		13.0		326.0	3.30		1075.8
Base Total:	**1499.0**		**5513.7**	**As-Built Total:**				**1499.0**			**8606.5**
DOOR TYPES	Area X	BWPM	= Points	Type				Area X	WPM		= Points
Adjacent	18.0	11.50	207.0	1.Exterior Wood				20.0	12.30		246.0
Exterior	38.0	12.30	467.4	2.Adjacent Wood				18.0	11.50		207.0
				3.Exterior Wood				18.0	12.30		221.4
Base Total:	**56.0**		**674.4**	**As-Built Total:**				**56.0**			**674.4**
CEILING TYPES	Area X	BWPM	= Points	Type		R-Value		Area X	WPM X WCM		= Points
Under Attic	2527.0	2.05	5180.4	1. Under Attic		30.0		2650.0	2.05 X 1.00		5432.5
Base Total:	**2527.0**		**5180.4**	**As-Built Total:**				**2650.0**			**5432.5**
FLOOR TYPES	Area X	BWPM	= Points	Type		R-Value		Area X	WPM		= Points
Slab	211.0(p)	8.9	1877.9	1. Slab-On-Grade Edge Insulation		0.0		211.0(p	18.80		3966.8
Raised	0.0	0.00	0.0								
Base Total:			**1877.9**	**As-Built Total:**				**211.0**			**3966.8**
INFILTRATION	Area X	BWPM	= Points					Area X	WPM		= Points
	2527.0	-0.59	-1490.9					2527.0	-0.59		-1490.9

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE				AS-BUILT						
Winter Base Points:			**20930.4**	**Winter As-Built Points:**						**21996.2**
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 47500 btuh ,EFF(8.0) Ducts:Unc(S),Con(R),Int(AH),R6.0						
				21996.2	1.000	(1.060 x 1.169 x 0.88)	0.426	0.950	9751.3	
20930.4	**0.5540**	**11595.5**		**21996.2**	**1.00**	**1.095**	**0.426**	**0.950**	**9751.3**	

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
10829	**11595**	**10540**	**32964**	**8468**	**9751**	**10774**	**28994**

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* = 86.9

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)	2527 ft²	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
a. U-factor: (or Single or Double DEFAULT)	7a. (Dble Default) 237.0 ft²	
b. SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 237.0 ft²	
8. Floor types		
a. Slab-On-Grade Edge Insulation	R=0.0, 211.0(p) ft	
b. N/A		
c. N/A		
9. Wall types		
a. Concrete, Int Insul, Exterior	R=4.1, 1173.0 ft²	
b. Frame, Wood, Adjacent	R=13.0, 326.0 ft²	
c. N/A		
d. N/A		
e. N/A		
10. Ceiling types		
a. Under Attic	R=30.0, 2650.0 ft²	
b. N/A		
c. N/A		
11. Ducts		
a. Sup: Unc. Ret: Con. AH(Sealed):Interior	Sup. R=6.0, 250.0 ft	
b. N/A		

12. Cooling systems		
a. Central Unit	Cap: 47.5 kBtu/hr	
	SEER: 13.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 47.5 kBtu/hr	
	HSPF: 8.00	
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. _____ Date: 11/25/08

Address of New Home: 135 SW BLACK MAPLE CT City/FL Zip: LAKE CITY FL 32024

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

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

EnergyGauge® (Version: FLRCSB v4.5)

Project Summary
Entire House
Maronda Homes

Job:
Date:
By: G. Carmack

4005 Maronda Way, Sanford, Fl 32771 Phone: 407-321-3913 Fax: 407-321-0064

Project Information

For: DAVENPORT

Notes:

Design Information

Weather: Jacksonville, Int'l AP, FL, US

Winter Design Conditions

Outside db	32	°F
Inside db	70	°F
Design TD	38	°F

Summer Design Conditions

Outside db	93	°F
Inside db	75	°F
Design TD	18	°F
Daily range	M	
Relative humidity	50	%
Moisture difference	51	gr/lb

Heating Summary

Structure	35160	Btuh
Ducts	5770	Btuh
Central vent (100 cfm)	***4175***	Btuh
Humidification	0	Btuh
Piping	0	Btuh
Equipment load	45105	Btuh

Sensible Cooling Equipment Load Sizing

Structure	20194	Btuh
Ducts	12342	Btuh
Central vent (100 cfm)	***1934***	Btuh
Blower	0	Btuh
Use manufacturer's data	n	
Rate/swing multiplier	0.98	
Equipment sensible load	33642	Btuh

Infiltration

Method		Simplified
Construction quality		Average
Fireplaces		0
	Heating	**Cooling**
Area (ft²)	2527	2527
Volume (ft³)	20216	20216
Air changes/hour	0.32	0.16
Equiv. AVF (cfm)	108	54

Latent Cooling Equipment Load Sizing

Structure	1879	Btuh
Ducts	2839	Btuh
Central vent (100 cfm)	3485	Btuh
Equipment latent load	8204	Btuh
Equipment total load	41846	Btuh
Req. total capacity at 0.76 SHR	3.7	ton

Heating Equipment Summary

Make	TEMPSTAR
Trade	HEAT PUMP
Model	N4H348AKB

Efficiency	8	HSPF
Heating input		
Heating output	0	Btuh @ 47°F
Temperature rise	0	°F
Actual air flow	***0***	cfm
Air flow factor	0.000	cfm/Btuh
Static pressure	0.60	in H2O
Space thermostat		

Cooling Equipment Summary

Make	TEMPSTAR
Trade	HEAT PUMP
Cond	N4H348AKB
Coil	FSU4X4800A

Efficiency	13	SEER
Sensible cooling	36100	Btuh
Latent cooling	11400	Btuh
Total cooling	47500	Btuh
Actual air flow	***1460***	cfm
Air flow factor	0.045	cfm/Btuh
Static pressure	0.60	in H2O
Load sensible heat ratio	0.81	

Bold/italic values have been manually overridden

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

Building Analysis
Entire House
Maronda Homes

Job:
Date:
By: G. Carmack

4005 Maronda Way, Sanford, Fl 32771 Phone: 407-321-3913 Fax: 407-321-0064

Project Information

For: DAVENPORT

Design Conditions

Location:
Jacksonville, Int'l AP, FL, US
Elevation: 30 ft
Latitude: 31°N

Outdoor:	**Heating**	**Cooling**
Dry bulb (°F)	32	93
Daily range (°F)	-	18 (M)
Wet bulb (°F)	-	77
Wind speed (mph)	15.0	7.5

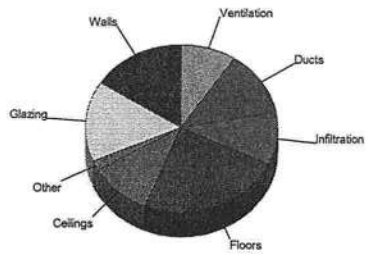
Indoor:	**Heating**	**Cooling**
Indoor temperature (°F)	70	75
Design TD (°F)	38	18
Relative humidity (%)	30	50
Moisture difference (gr/lb)	11.5	51.3

Infiltration:

Method	Simplified
Construction quality	Average
Fireplaces	0

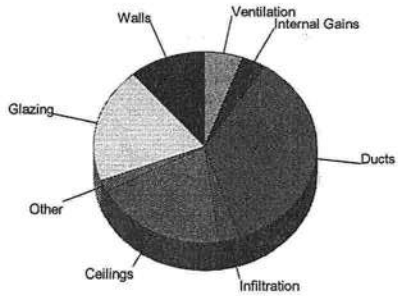
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	4.5	7210	16.0
Glazing	48.3	6998	15.5
Doors	14.8	830	1.8
Ceilings	1.9	4731	10.5
Floors	17.9	10888	24.1
Infiltration	2.5	4502	10.0
Ducts		5770	12.8
Piping		0	0.0
Humidification		0	0.0
Ventilation		4175	9.3
Adjustments		0	
Total		**45105**	**100.0**



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	2.4	3883	11.3
Glazing	46.4	6722	19.5
Doors	11.8	660	1.9
Ceilings	2.6	6686	19.4
Floors	0.0	0	0.0
Infiltration	0.6	1043	3.0
Ducts		12342	35.8
Ventilation		1934	5.6
Internal gains		1200	3.5
Blower		0	0.0
Adjustments		0	
Total		**34469**	**100.0**



Overall U-value = 0.163 Btuh/ft²-°F

Data entries checked.

Duct System Summary

Entire House

Maronda Homes

Job: DAVENPORT
Date:
By: G. Carmack

4005 Maronda Way, Sanford, Fl 32771 Phone: 407-321-3913 Fax: 407-321-0064

Project Information

For: DAVENPORT

	Heating		Cooling	
External static pressure	0.60	in H2O	0.60	in H2O
Pressure losses	0.00	in H2O	0.00	in H2O
Available static pressure	0.60	in H2O	0.60	in H2O
Supply / return available pressure	0.46 / 0.14	in H2O	0.46 / 0.14	in H2O
Lowest friction rate	***0.100***	in/100ft	***0.100***	in/100ft
Actual air flow	1460	cfm	***1460***	cfm
Total effective length (TEL)		26 ft		

Supply Branch Detail Table

Name		Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	Rect Size (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
MASTER BDR	h	626 5	240	240	0.100	8	x0	VIFx	5.0	0.0	st1
MASTER BATH	h	294 7	75	75	0.100	6	x0	VIFx	10.0	0.0	st1
MASTER TOILET	h	111 6	25	25	0.100	4	x0	VIFx	20.0	0.0	st1
LIVING ROOM	h	310 7	155	155	0.100	7	x0	VIFx	5.0	0.0	st1
FAMILY ROOM	c	413 9	165	165	0.100	7	x0	VIFx	5.0	0.0	st1
DINING ROOM	h	434 1	125	125	0.100	6	x0	VIFx	5.0	0.0	st1
NOOK	h	265 3	125	125	0.100	6	x0	VIFx	20.0	0.0	st1
KITCHEN	c	262 7	100	100	0.100	6	x0	VIFx	10.0	0.0	st1
BDR #4	h	325 2	130	130	0.100	6	x0	VIFx	10.0	0.0	ST2
bDR #3	h	198 4	90	90	0.100	6	x0	VIFx	5.0	0.0	ST2
BATH	h	867	20	20	0.100	4	x0	VIFx	15.0	0.0	ST2
BDR #2	c	410 9	160	160	0.100	7	x0	VIFx	15.0	0.0	ST2
UTILITY	h	907	50	50	0.100	4	x0	VIFx	10.0	0.0	ST3

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
st1	Peak AVF	1010	1010	0.100	590	16	0 x 0	VinlFlx	
ST2	Peak AVF	400	400	0.100	517	10	0 x 0	VinlFlx	
ST3	Peak AVF	50	50	0.100	284	4	0 x 0	VinlFlx	

Bold/italic values have been manually overridden

Return Branch Detail Table

Name	Grill Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	RectSize (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb1	0x 0	146 0	1460	6.0	2.308	669	18	x0 0		VlFx	

GEO-TECH, INC.

Engineering Consultants in Geotechnical • Environmental • Construction Materials Testing

27543

FIELD DENSITY WORKSHEET

CLIENT Maronda Homes

DATE 1-5-09

PROJECT NO.

PROJECT NAME Timberlands Lot 14

PERMIT NO.

EARTH CONTRACTOR

TESTED BY S.L.

COMPACTION REQUIREMENT (%) 95 ❑ Standard Proctor ☑ Modified Proctor

FIELD CONTACT

TOTAL ON-SITE TIME

MILES FROM OFFICE

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

TEST LOCATION	LAB PROCTOR DENS.	LAB PROCTOR OMC	TEST DEPTH	PROBE DEPTH	% MOIST.	WET DENSITY (PCF)	DRY DENSITY (PCF)	% COMP.
	105.8	10.7	F/G	12"				
6' NE of SW Corner of Pad					5.9	109.6	103.5	97.8
Center of Pad					6.2	110.7	104.2	98.5
6' SW of NE Corner of Pad					6.0	110.2	104.0	98.3

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

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-16-02856-114

Building permit No. 000027543

Use Classification SFD,UTILITY

Fire: 44.94

Permit Holder TED BROCK

Waste: 117.25

Owner of Building MARONDA HOMES

Total: 162.19

Location: 135 SW BLACK MAPLE CT., LAKE CITY, FL

Date: 03/23/2009

Wayne A. Russ

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

PROPOSED BUILDING LAYOUT

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

30 0 30 60 90

1" = 30'

LEGAL DESCRIPTION:

LOT FOURTEEN (14) OF "TIMBERLANDS" AS PER PLAT THEREOF, AS RECORDED IN PLAT BOOK "9", PAGE 27 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

CERTIFIED TO:

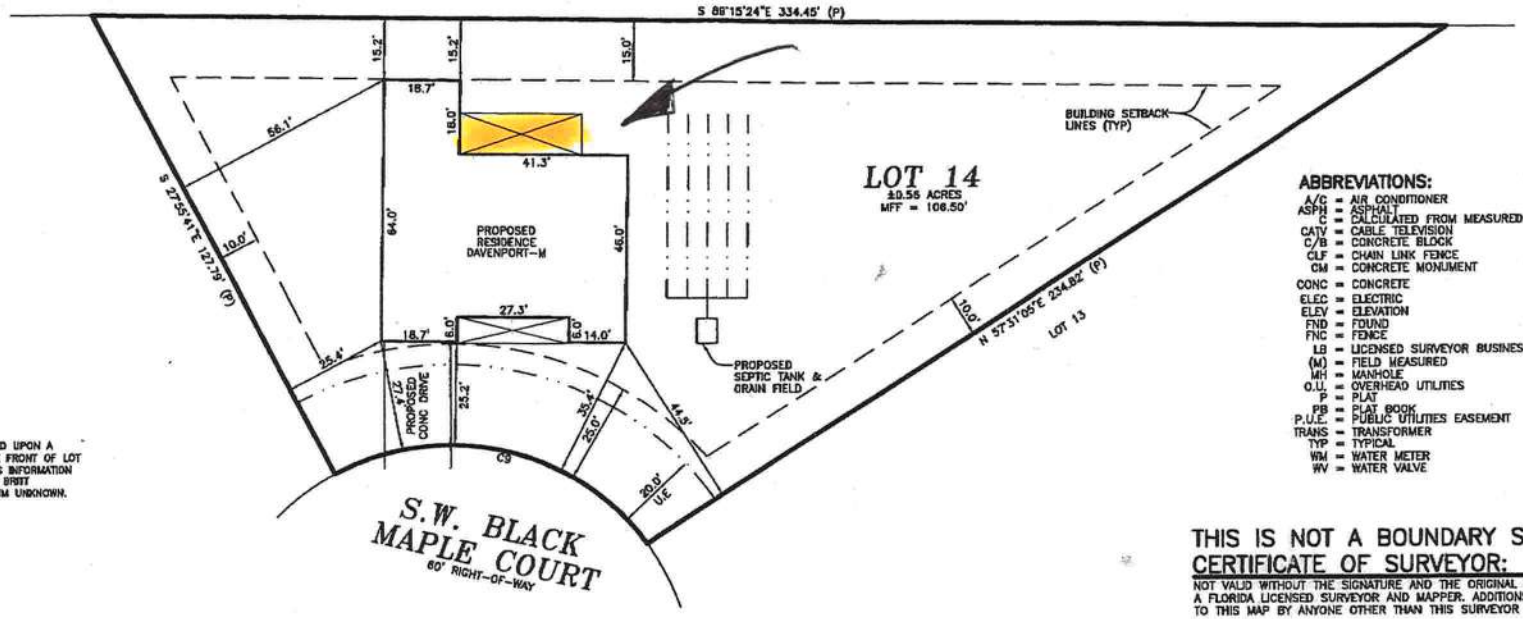
1) MARONDA HOMES

BUILDING SETBACK NOTE:

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

BENCHMARK NOTE:

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



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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.

CURVE TABLE:

CURVE	RADIUS	TANGENT	LENGTH	DELTA	CHORD	CHORD BEARING
C9	60.00'	51.87'	85.54'	81°41'05"	78.48'	N 77°05'13" W

FLOOD NOTE:

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

TITLE NOTE:

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

THIS IS NOT A BOUNDARY SURVEY

CERTIFICATE OF SURVEYOR:

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

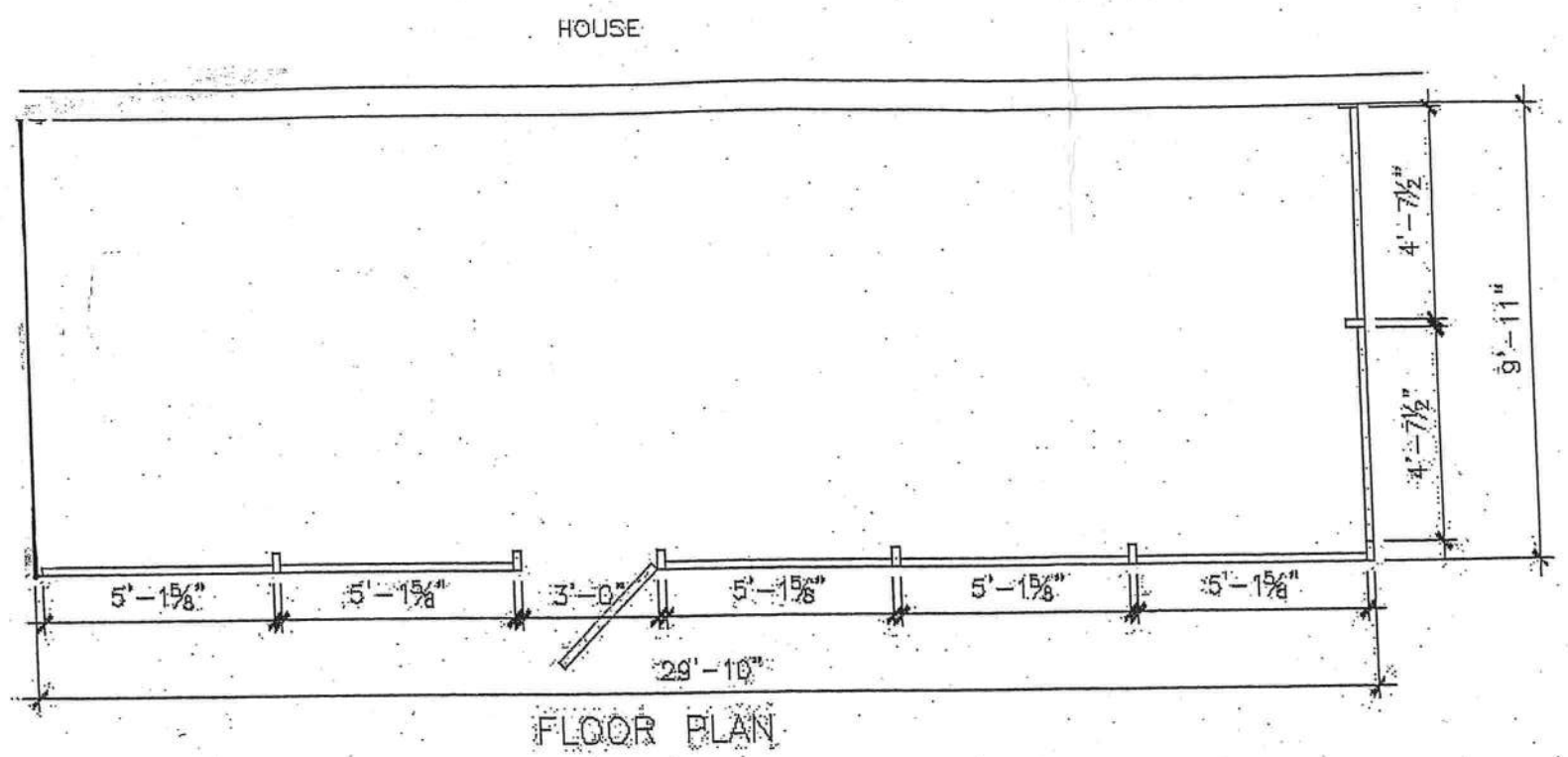
I HEREBY CERTIFY THAT THE SURVEY DATA SHOWN HEREON, IS A TRUE AND CORRECT REPRESENTATION OF A SURVEY PERFORMED UNDER MY SUPERVISION OF THE HEREON DESCRIBED PROPERTY, AND IT MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF LAND SURVEYORS, PURSUANT TO SECTION 472.027, FLORIDA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

BY: _____
JAMES E. BRINKMAN, PSM – FLA. CERT# 5582

DATE: 11/24/08

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: 11/5/2008		CHECKED BY: J.B.
FIELD WORK COMPLETED ON **** FIELDBOOK **, PAGE **		
PREPARED FOR: MARONDA		DRAWING NUMBER 166-08



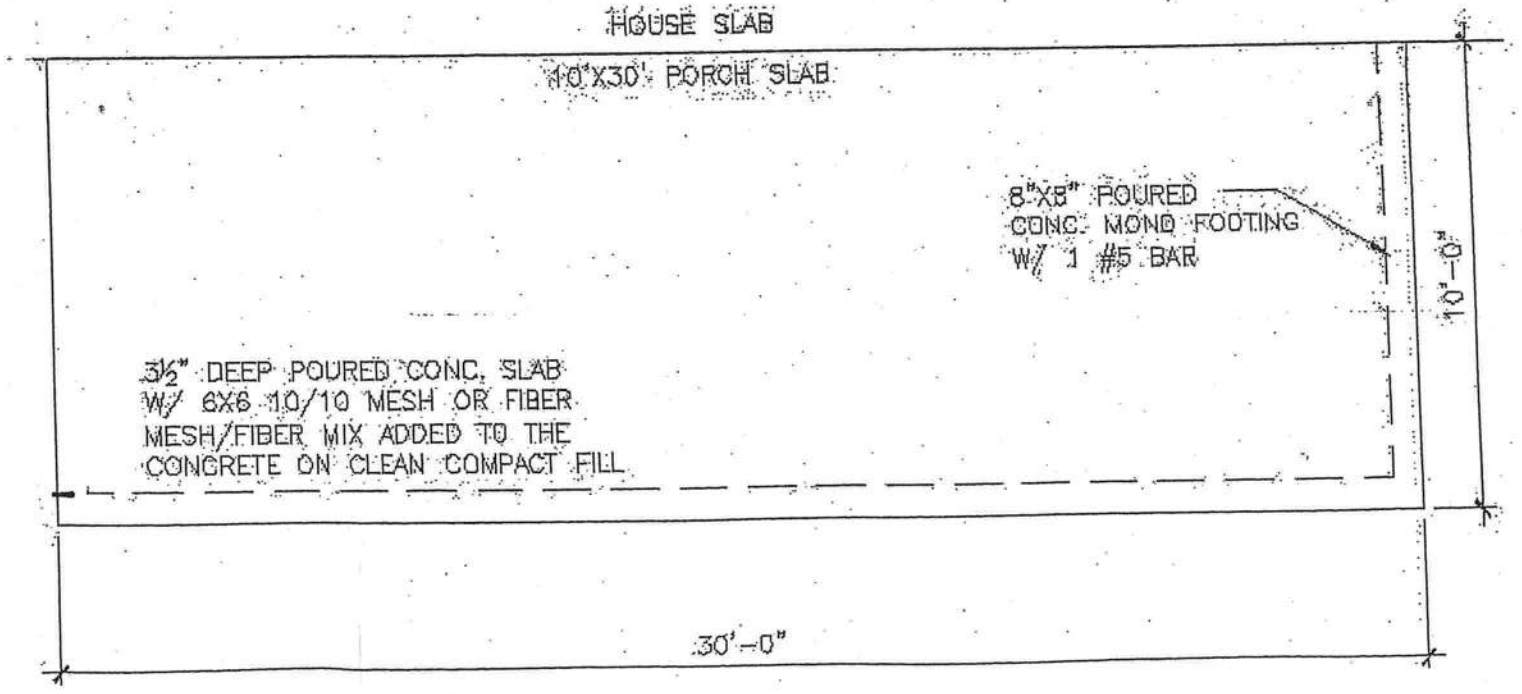
FLOOR PLAN

GENERAL NOTES:

1. MAX HEIGHT FROM TOP 1x2 TO BOTTOM OF 2x4 IS 7'-2"

2. MAX DISTANCE BETWEEN 2x4 POSTS IS 5'-7"

3. BUILDING STYLES MAY VARY BUT ALUMINUM SCREEN ENCLOSURES WILL BE TYP. FOR ALL APPLICATIONS.



FOUNDATION PLAN

SCALE: ¼"=1'-0"

DANIEL L. SMITH
DRAFTING SERVICES
407-708-2881 811 BILL BECK BLVD.
KISSIMMEE, FLORIDA 34744

THIS PLAN HAS BEEN DESIGNED IN ACCORDANCE WITH THE ALUMINUM STRUCTURES DESIGN MANUAL BY LAWRENCE & BENNETT AND ARE IN COMPLIANCE WITH THE 2004 BUILDING CODE EDITION WITH 2006 SUPPLEMENTS CHAPTER 20, ASCE 35 AND THE 2005 ALUMINUM DESIGN MANUAL PART 1-A & 11-2 EXPOSURE B.

2 SIDED 10x30 ALUMINUM SCREENED ENCLOSURE PLAN VIEWS

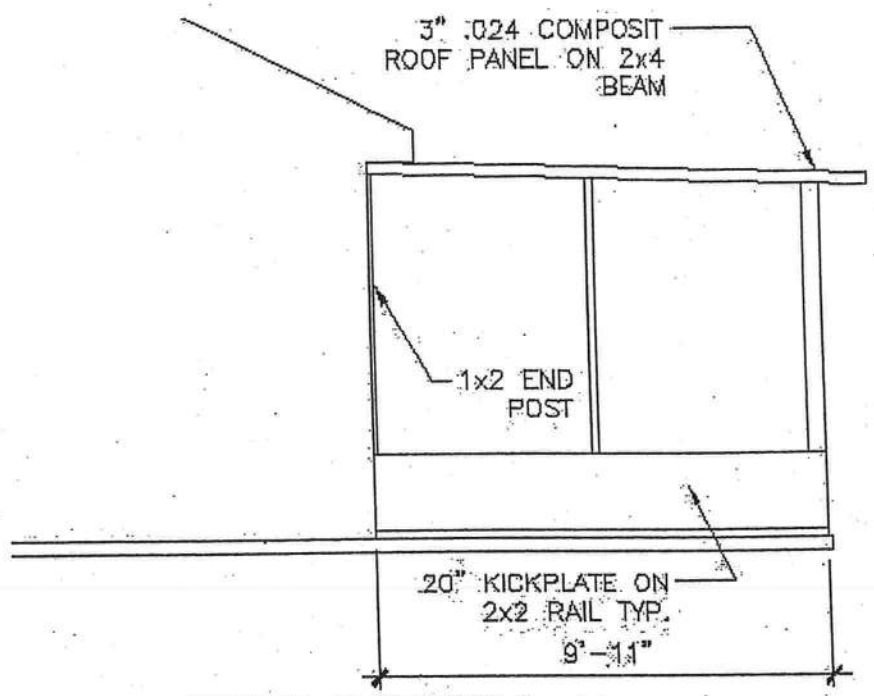
Comm. No.

Date: 04-06-07

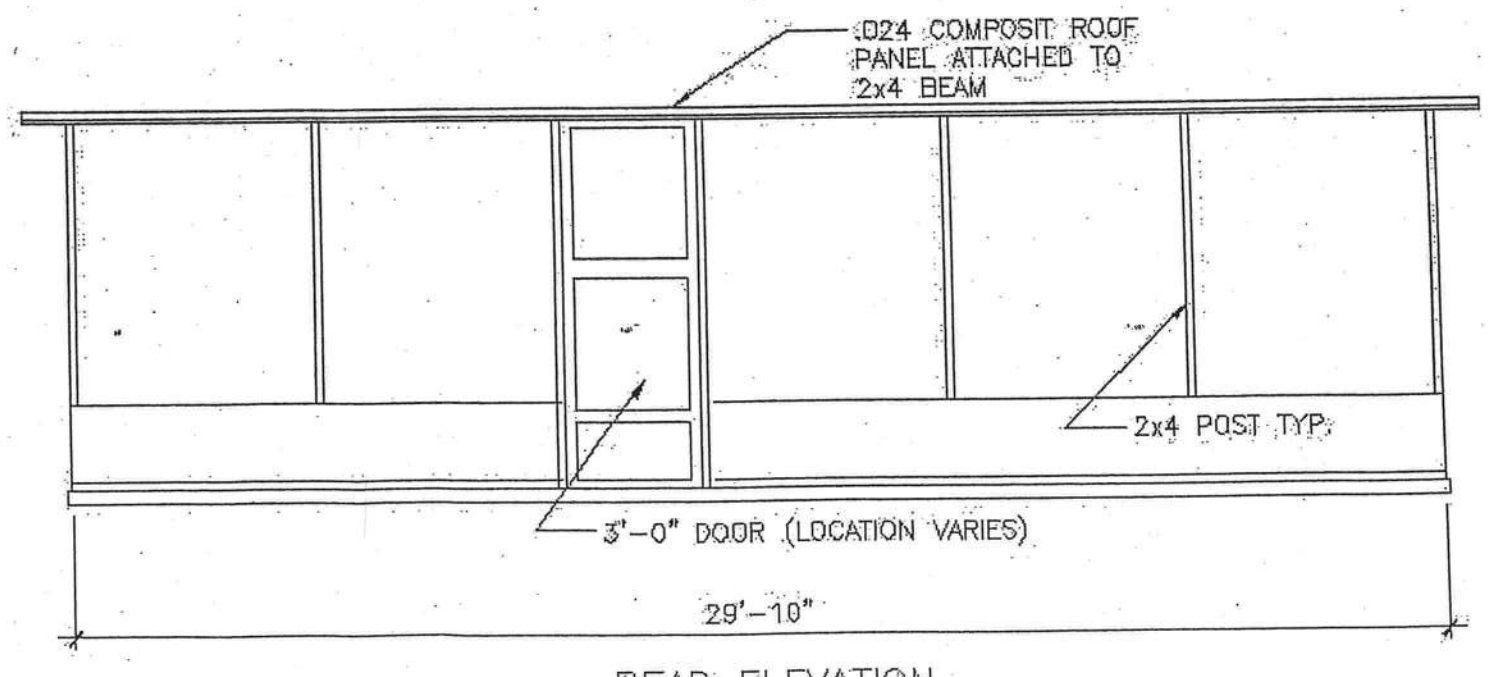
02

DESIGNED BY:

CoverAll Aluminum, Inc.
1980 DOLGNER PLACE SUITE 1068 SANFORD, FL 32771 407-322-8122



RIGHT ELEVATION



REAR ELEVATION

SCALE: ¼"=1'-0"

DESIGNED BY:

CoverAll Aluminum, Inc.

1980 DOLGNER PLACE SUITE 1068 SANFORD, FL 32771 407-322-8122

DANIEL L. SMITH DRAFTING SERVICES
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2 SIDED 10x30 ALUMINUM SCREENED ENCLOSURE ELEVATIONS

Comm. No.

Date: 04-06-07

01

PROPOSED BUILDING LAYOUT

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

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1" = 30'

LEGAL DESCRIPTION:

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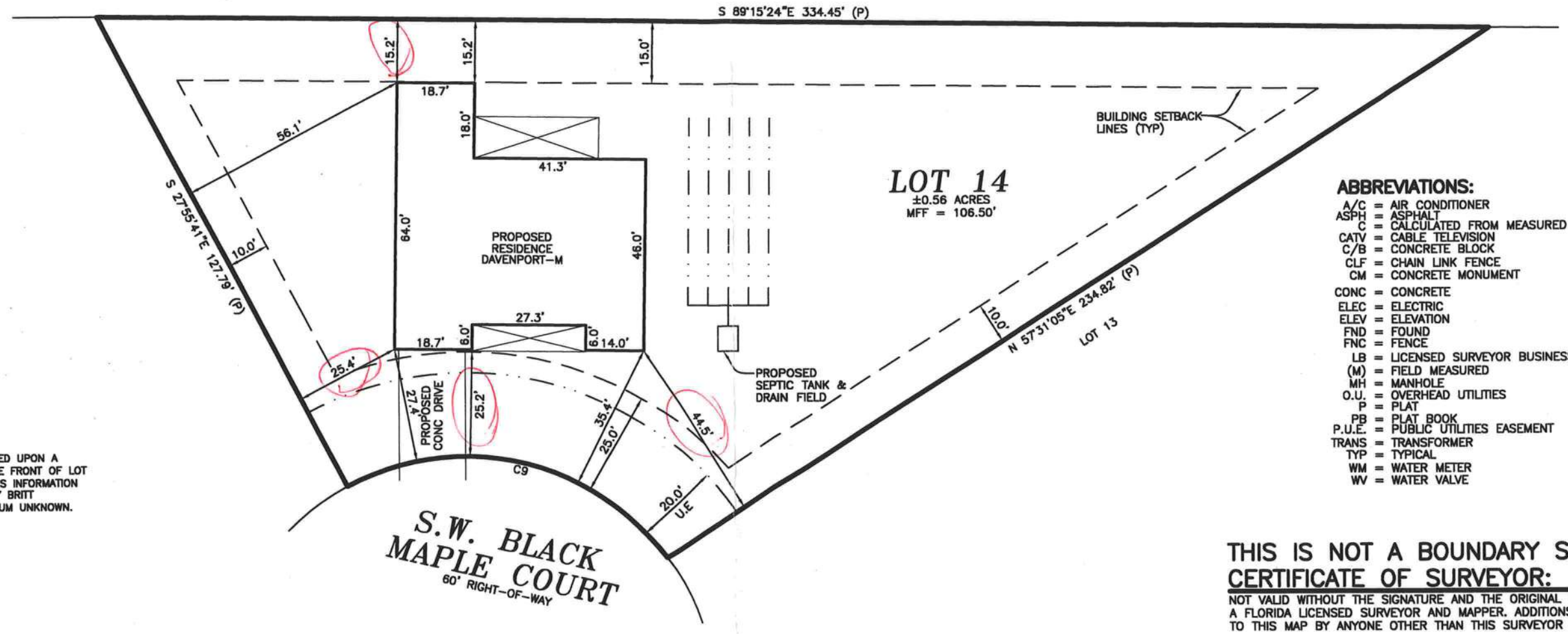

CERTIFIED TO:

1) MARONDA HOMES

BUILDING SETBACK NOTE:

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BENCHMARK NOTE:

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BY: _____

JAMES E. BRINKMAN, PSM – FLA. CERT# 5582

DATE: 11/24/08

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CURVE	RADIUS	TANGENT	LENGTH	DELTA	CHORD	CHORD BEARING
C9	60.00'	51.87'	85.54'	81°41'05"	78.48'	N 77°05'13" W

FLOOD NOTE:

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

TITLE NOTE:

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

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: 11/5/2008		CHECKED BY: J.B.
FIELD WORK COMPLETED ON **** FIELDBOOK **, PAGE **		
PREPARED FOR: MARONDA		DRAWING NUMBER 166-08

27543

BOUNDARY SURVEY

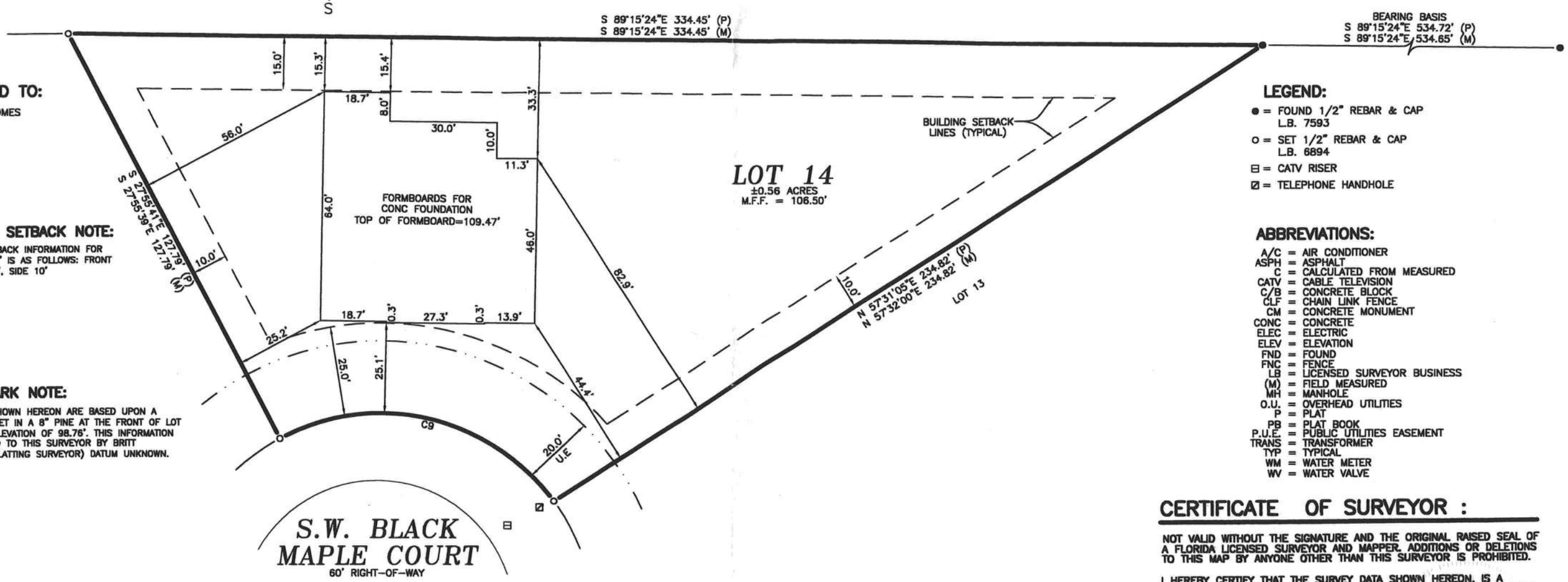
IN SECTION 10, TOWNSHIP 4 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA

30 0 30 60 90

1" = 30'

LEGAL DESCRIPTION:

LOT FOURTEEN (14) OF "TIMBERLANDS" AS PER PLAT THEREOF, AS RECORDED IN PLAT BOOK '9', PAGE 27 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.



CERTIFIED TO:

1) MARONDA HOMES

BUILDING SETBACK NOTE:

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

BENCHMARK NOTE:

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

LEGEND:

- ● = FOUND 1/2" REBAR & CAP L.B. 7593
- o = SET 1/2" REBAR & CAP L.B. 6894
- ⊟ = CATV RISER
- ⊠ = TELEPHONE HANDHOLE

ABBREVIATIONS:

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

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.

CURVE TABLE:

CURVE	RADIUS	TANGENT	LENGTH	DELTA	CHORD	CHORD BEARING
C9(P)	60.00'	51.87'	85.54'	81°41'05"	78.48'	N 77°05'13" W
C9(M)	60.00'	51.81'	85.47'	81°37'13"	78.43'	N 77°07'03" W

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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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# 5382
DATE: 1/12/09

BRINKMAN SURVEYING & MAPPING INC.
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PHONE: (352) 374-7707 FAX: (352) 374-8757

SCALE: 1" = 30'	"THE BENCHMARK IN QUALITY SERVICE"	DRAWN BY: ZL
DATE: 11/5/2008		CHECKED BY: J.B.
FIELD WORK COMPLETED ON 1/8/2009 FIELD BOOK 99, PAGE 39		
PREPARED FOR: MARONDA		DRAWING NUMBER 166-08

HOMETEAM
PEST DEFENSE®

TREATMENT WORKORDER

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

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

DATE CALLED IN:	1-9	DATE OF SCHEDULE:	1-12
TIME CALLED IN:		TIME SCHEDULE:	8:30

JOB NAME: Maronda SUBDIVISION: Timberland

JOB ADDRESS: 135 SW Black Maple Ct

BILLING NAME: BILLING PHONE:

BILLING ADDRESS:

CALLED IN BY: PHONE: PERMIT NUMBER: 0000027543

LOT & MODEL NUMBER: Lot 14

DATE & TIME COMPLETED: 1/12/09

SQUARE FOOT: 3496 LINEAR FOOT: BLOCKVOIDS:

SLAB TYPE: mono TYPE OF FILL: Sand/dirt

APPROX. DEPTH OF FOOTING: Outside: Inside:

☐ Addition ☐ Spot Treat ☐ Pool Addition ☐ Driveway

☐ Final/Completion ☐ Other

PESTICIDE USED: Imaxx Pro TOTAL APPLIED: 175 gal

PERCENT (%) USED: .1% STICKER POSTED: Y/N

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

X Casey X TECHNICIAN:

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

GT 23 / TCI 12/05