

DATE 10/03/2008

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT

000027398

APPLICANT PATRICK WILSON PHONE 904.296.1490
ADDRESS 6800 SOUTHPOINT PKWY, #300 JACKSONVILLE FL 32216
OWNER MARONDA HOMES INC, OF FLORIDA PHONE 904.296.1490
ADDRESS 380 SW TIMBER RIDGE DR. 6800 SOUTHPOINT PKWAY, # 300. JACKSONVILLE FL 32025 32216
CONTRACTOR THEODORE C. BROCK PHONE 904.296.1490
LOCATION OF PROPERTY 90-W TO SR.247-S,TL TO C-252-B,TR TO TIMBER RIDGE DR,TL
9TH LOT ON L.
TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 138550.00
HEATED FLOOR AREA 2223.00 TOTAL AREA 2771.00 HEIGHT 23.00 STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 6'12 FLOOR CONC
LAND USE & ZONING RSF-1 MAX. HEIGHT 35
Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00
NO. EX.D.U. 0 FLOOD ZONE XPP DEVELOPMENT PERMIT NO. _____

PARCEL ID 10-4S-16-02856-116 SUBDIVISION TIMBERLANDS
LOT 16 BLOCK _____ PHASE 1 UNIT _____ TOTAL ACRES 0.50

000001674 CBC1256382
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
18"X32"MITERED' 08-0595 BLK WR N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: ELEVATION CONFIRMATION LETTER REQUIRED @ SLAB. MFE @ 100.00'.NOC ON
FILE.

Check # or Cash 938127

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$ 659.00 CERTIFICATION FEE \$ 13.86 SURCHARGE FEE \$ 13.86
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 786.72
INSPECTORS OFFICE _____ CLERKS OFFICE _____

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

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

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

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

Columbia County Building Permit Application

For Office Use Only Application # 0809-32 Date Received 9/17/08 By LH Permit # 16741 27398
 Zoning Official BLK Date 24.09.08 Flood Zone X Post Land Use RES. Low D Zoning RSF-2
 FEMA Map # N/A Elevation N/A MFE 100.0 ft River N/A Plans Examiner WR Date 9/22/08
 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 4229.88 Fire 78.63 Corr 409.16 Road/Code 1,046.01/210
 School 1,500.00 = TOTAL 3,063.67

Septic Permit No. 08-0595 Fax (904) 332-10375
 Name Authorized Person Signing Permit Theodore Brock / Patrick Wilson Phone (904) 290-1490
 Address 10800 Southpoint Pkwy #300 Jacksonville, FL 32216
 Owners Name Maronda Homes Inc. of Florida Phone (904) 290-1490
 911 Address 380 SW Timber Ridge Drive Lake City, FL 32055
 Contractors Name Theodore C. Brock Phone (904) 290-1490
 Address 10800 Southpoint Pkwy #300 Jacksonville, FL 32216
 Fee Simple Owner Name & Address N/A
 Bonding Co. Name & Address N/A
 Architect/Engineer Name & Address Thomas Ponce 4005 Maronda Way Sanford, FL 32711
 Mortgage Lenders Name & Address Bank of America 250 Park Ave S #400 Winter Park, FL 32789

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

Property ID Number 10-4s-02856-116 Estimated Cost of Construction \$100,025.00
 Subdivision Name Timberlands Lot 16 Block 1 Unit _____ Phase _____
 Driving Directions Hwy 90, left on 247 South; Right on 252B; left on Timber Ridge Dr., 9th Lot on left.

Number of Existing Dwellings on Property 0
 Construction of Residential Single Family Dwelling Total Acreage 1/2 Lot Size ~27,200
 Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height ~23.0'
 Actual Distance of Structure from Property Lines - Front 49.0' Side 48.0' Side 33.0' Rear 58.0'
 Number of Stories 2 Heated Floor Area 2223 Total Floor Area 2771 Roof Pitch 12/6

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

EMAIL 9/24

786.72

Jim told Patrick in person 9.24

Columbia County Building Permit Application

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

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

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

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE:

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

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

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

Owners Signature

Steve Hagg

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

Contractor's Signature (Permittee)

Theodore C. Brock

Contractor's License Number

CBC1256382

Columbia County

Competency Card Number

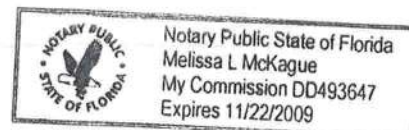
Affirmed under penalty of perjury to by the Contractor and subscribed before me this 17 day of July 2008.

Personally known X or Produced Identification

State of Florida Notary Signature (For the Contractor)

Melissa L. McKague

SEAL:



This Instrument Prepared by and Return to :

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

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

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

R02856-000

Grantee(s) LD.#(s):

File No: JX0812085

Inst: 200812010776 Date: 6/8/2008 Time: 1:05 PM

Doc Stamp-Deed: 6283.00

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

WARRANTY DEED
(CORPORATION)

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

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

\$899,000.00

WITNESSETH: That said grantor, for and in consideration of the sum of ~~899,000.00~~ Dollars and other valuable considerations, receipt whereof is hereby acknowledged, by these presents grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situate in Columbia County, Florida, viz: LOTS 1, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 24, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, AND 41, OF TIMBERLANDS, PHASE 1, ACCORDING TO PLAT THEREOF AS RECORDED IN PLAT BOOK 9, PAGE 26 AND 27 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

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

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

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

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

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

Signed, sealed and delivered in our presence:

ATTEST:

Secretary

RML HOLDINGS INC.

Witness Signature:

Printed Name:

WORTH D. MORRIS
WORTH D. MORRIS

Witness Signature:

Printed Name:

Jody M. Gable, AVP
Jody M. Gable

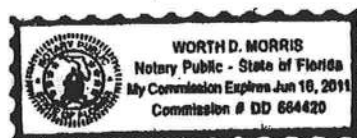
BY:

ROBERT R. LARDIZABAL, PRESIDENT

STATE OF FLORIDA
COUNTY OF DUVAL

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

My Commission Expires:



Printed Name:

Notary Public

Serial Number

WORTH D. MORRIS
WORTH D. MORRIS



STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 08-0595

PART II - SITE PLAN

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

See
attached
Site Plan

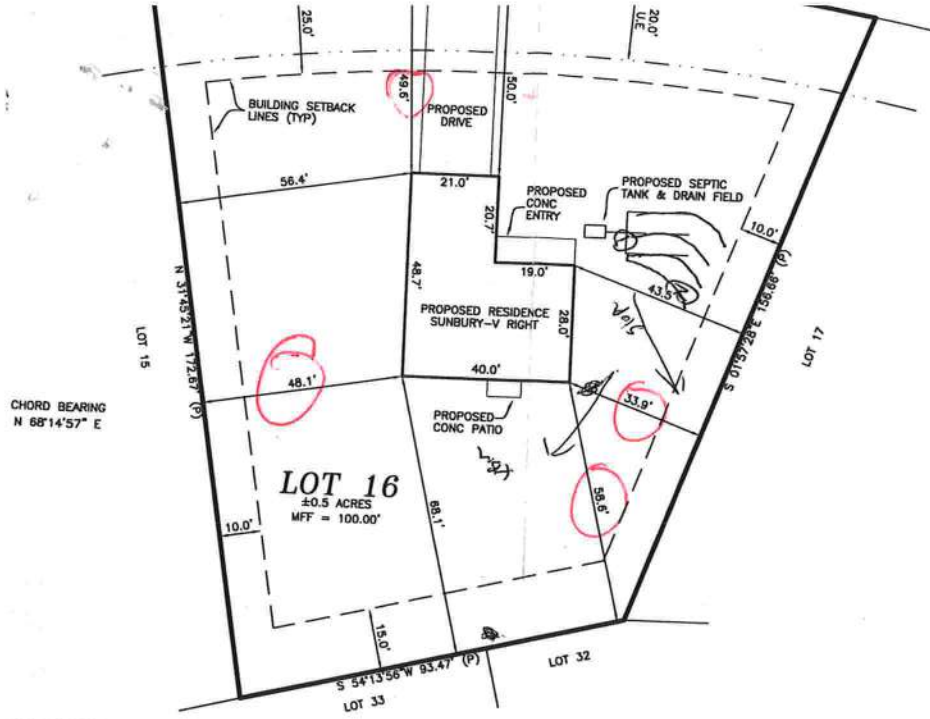
Notes:

Site Plan submitted by: Patricia Wilson Signature

Plan Approved ☒ Not Approved ☐ Date 9/5/08 Title Agent

By [Signature] Colby County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT



LEGEND:

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

ABBREVIATIONS:

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

THIS IS NOT A BOUNDARY SURVEY CERTIFICATE OF SURVEYOR:

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

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

BY: *James E. Brinkman*
JAMES E. BRINKMAN PSM - FLA. CERT# 5582

DATE: 8/8/08



BRINKMAN SURVEYING & MAPPING INC.

4607 NW 8th STREET SUITE C, GAINESVILLE, FL 32609
PHONE: (352) 374-7707 FAX: (352) 374-8757

SCALE: 1" = 30'

DATE: 8/4/08

"THE BENCHMARK IN QUALITY SERVICE"

DRAWN BY: ZL

CHECKED BY: J.B.

THIS IS NOT A BOUNDARY SURVEY

PREPARED FOR: MARONDA

DRAWING NUMBER
160-08

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.

300D NOTE:

THE OPINION OF THIS SURVEYOR, ACCORDING TO THE ANNUAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE COMMUNITY PANEL NO. 120070-0175-8, DATED 1-5-88, PROPERTY IS IN FLOOD ZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE 500-YEAR FLOOD PLAIN, AS SHOWN ON SAID MAP. INFORMATION FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE MAPS, SHOWN ON THIS MAP, WAS CURRENT AS OF THE REVISED DATE. MAP REVISIONS AND AMENDMENTS ARE INDICALLY MADE BY LETTER AND MAY NOT BE REFLECTED ON THE MOST CURRENT MAP.

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

10/1 TM

Project Name: SUNBURY GAINESVILLE	Builder: MARONDA HOMES
Address: 3810 SW Timber Ridge Drive	Permitting Office: Columbia
City, State: Jalisco City, FL 32055	Permit Number: 27398
Owner: ELECTRIC	Jurisdiction Number: 221000
Climate Zone: North	

1. New construction or existing New ☐	12. Cooling systems
2. Single family or multi-family Single family ☐	a. Central Unit Cap: 40.5 kBtu/hr ☐
3. Number of units, if multi-family 1 ☐	SEER: 13.00 ☐
4. Number of Bedrooms 4 ☐	b. N/A ☐
5. Is this a worst case? Yes ☐	c. N/A ☐
6. Conditioned floor area (ft²) 2223 ft² ☐	13. Heating systems
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)	a. Electric Heat Pump Cap: 40.5 kBtu/hr ☐
a. U-factor: Description Area	HSPF: 8.10 ☐
(or Single or Double DEFAULT) 7a (Single Default) 263.0 ft² ☐	b. N/A ☐
b. SHGC:	c. N/A ☐
(or Clear or Tint DEFAULT) 7b. (Clear) 263.0 ft² ☐	14. Hot water systems
8. Floor types	a. Electric Resistance Cap: 50.0 gallons ☐
a. Slab-On-Grade Edge Insulation R=0.0, 136.0(p) ft ☐	EF: 0.90 ☐
b. N/A ☐	b. N/A ☐
c. N/A ☐	c. Conservation credits
9. Wall types	(HR-Heat recovery, Solar
a. Concrete, Int Insul, Exterior R=4.1, 720.0 ft² ☐	DHP-Dedicated heat pump)
b. Frame, Wood, Exterior R=13.0, 992.0 ft² ☐	15. HVAC credits PT, ☐
c. Frame, Steel, Adjacent R=13.0, 159.0 ft² ☐	(CF-Ceiling fan, CV-Cross ventilation,
d. N/A ☐	HF-Whole house fan,
e. N/A ☐	PT-Programmable Thermostat,
10. Ceiling types	MZ-C-Multizone cooling,
a. Under Attic R=19.0, 1120.0 ft² ☐	MZ-H-Multizone heating)
b. N/A ☐	
c. N/A ☐	
11. Ducts	
a. Sup: Unc. Ret: Con. AH(Sealed):Interior Sup. R=6.0, 150.0 ft ☐	
b. N/A ☐	

Glass/Floor Area: 0.12

Total as-built points: 28722

Total base points: 30122

PASS

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

PREPARED BY: Wayne Campbell

DATE: 07/17/08

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

OWNER/AGENT: Melissa McKame

DATE: 07/17/08

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

BUILDING OFFICIAL: _____

DATE: _____



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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: , Plat: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points			
.18	2223.0	18.59	7439.0	1.Single, Clear	E	1.0	6.0	30.0	47.92	0.97	1394.0
				2.Single, Clear	E	1.0	15.0	30.0	47.92	1.00	1432.0
				3.Single, Clear	E	1.0	4.0	9.0	47.92	0.91	393.0
				4.Single, Clear	E	1.0	4.0	6.0	47.92	0.91	262.0
				5.Single, Clear	E	1.0	4.0	6.0	47.92	0.91	262.0
				6.Single, Clear	N	1.0	15.0	30.0	21.73	1.00	649.0
				7.Single, Clear	W	1.0	16.0	40.0	43.84	1.00	1748.0
				8.Single, Clear	W	1.0	15.0	30.0	43.84	1.00	1311.0
				9.Single, Clear	W	1.0	13.0	9.0	43.84	1.00	393.0
				10.Single, Clear	W	1.0	5.5	15.0	43.84	0.96	632.0
				11.Single, Clear	W	1.0	5.5	15.0	43.84	0.96	632.0
				12.Single, Clear	W	1.0	5.5	30.0	43.84	0.96	1265.0
				13.Single, Clear	E	4.0	2.5	8.0	47.92	0.42	161.0
				14.Single, Clear	E	4.0	7.0	5.0	47.92	0.68	162.0
				As-Built Total:				263.0			10696.0
WALL TYPES				Area X BSPM = Points		Type	R-Value		Area X SPM = Points		
Adjacent	159.0	0.70	111.3	1. Concrete, Int Insul, Exterior			4.1	720.0	1.13	817.2	
Exterior	1712.0	1.70	2910.4	2. Frame, Wood, Exterior			13.0	992.0	1.50	1488.0	
				3. Frame, Steel, Adjacent			13.0	159.0	0.90	143.1	
Base Total:		1871.0	3021.7	As-Built Total:				1871.0		2448.3	
DOOR TYPES				Area X BSPM = Points		Type	Area X SPM = Points				
Adjacent	17.0	2.40	40.8	1.Exterior Insulated				20.0	4.10	82.0	
Exterior	20.0	6.10	122.0	2.Adjacent Wood				17.0	2.40	40.8	
Base Total:		37.0	162.8	As-Built Total:				37.0		122.8	
CEILING TYPES				Area X BSPM = Points		Type	R-Value		Area X SPM X SCM = Points		
Under Attic	1120.0	1.73	1937.6	1. Under Attic			19.0	1120.0	2.34 X 1.00	2620.8	
Base Total:		1120.0	1937.6	As-Built Total:				1120.0		2620.8	
FLOOR TYPES				Area X BSPM = Points		Type	R-Value		Area X SPM = Points		
Slab	136.0(p)	-37.0	-5032.0	1. Slab-On-Grade Edge Insulation			0.0	136.0(p)	-41.20	-5603.2	
Raised	0.0	0.00	0.0								
Base Total:			-5032.0	As-Built Total:				136.0		-5603.2	

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

ADDRESS: Lot: , Sub: , Plat: , , ,

PERMIT #:

BASE				AS-BUILT			
INFILTRATION	Area	X	BSPM = Points		Area	X	SPM = Points
	2223.0	10.21	22696.8		2223.0	10.21	22696.8
Summer Base Points: 30225.9				Summer As-Built Points: 32981.5			
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component (System - Points)	X	Cap Ratio (DM x DSM x AHU)	X Duct X System X Credit = Cooling Multiplier Multiplier Multiplier Points
				(sys 1: Central Unit 40500btuh ,SEER/EFF(13.0) Ducts:Unc(S),Con(R),Int(AH),R6.0(INS)			
				32982	1.00	(1.08 x 1.147 x 0.86)	0.260 0.950 8732.2
30225.9	0.3250		9823.4	32981.5	1.00	1.072	0.260 0.950 8732.2

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: , Plat: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	2223.0	20.17	8071.0	1.Single, Clear	E	1.0	6.0	30.0	26.41	1.02	804.0
				2.Single, Clear	E	1.0	15.0	30.0	26.41	1.00	795.0
				3.Single, Clear	E	1.0	4.0	9.0	26.41	1.04	246.0
				4.Single, Clear	E	1.0	4.0	6.0	26.41	1.04	164.0
				5.Single, Clear	E	1.0	4.0	6.0	26.41	1.04	164.0
				6.Single, Clear	N	1.0	15.0	30.0	33.22	1.00	996.0
				7.Single, Clear	W	1.0	16.0	40.0	28.84	1.00	1154.0
				8.Single, Clear	W	1.0	15.0	30.0	28.84	1.00	866.0
				9.Single, Clear	W	1.0	13.0	9.0	28.84	1.00	259.0
				10.Single, Clear	W	1.0	5.5	15.0	28.84	1.01	436.0
				11.Single, Clear	W	1.0	5.5	15.0	28.84	1.01	436.0
				12.Single, Clear	W	1.0	5.5	30.0	28.84	1.01	873.0
				13.Single, Clear	E	4.0	2.5	8.0	26.41	1.41	297.0
				14.Single, Clear	E	4.0	7.0	5.0	26.41	1.15	151.0
				As-Built Total:				263.0	7641.0		
WALL TYPES Area X BWPM = Points				Type			R-Value	Area X WPM = Points			
Adjacent	159.0	3.60	572.4	1. Concrete, Int Insul, Exterior			4.1	720.0	6.42	4622.4	
Exterior	1712.0	3.70	6334.4	2. Frame, Wood, Exterior			13.0	992.0	3.40	3372.8	
				3. Frame, Steel, Adjacent			13.0	159.0	4.90	779.1	
Base Total:				As-Built Total:				1871.0	8774.3		
DOOR TYPES Area X BWPM = Points				Type				Area X WPM = Points			
Adjacent	17.0	11.50	195.5	1.Exterior Insulated				20.0	8.40	168.0	
Exterior	20.0	12.30	246.0	2.Adjacent Wood				17.0	11.50	195.5	
Base Total:				As-Built Total:				37.0	363.5		
CEILING TYPES Area X BWPM = Points				Type			R-Value	Area X WPM X WCM = Points			
Under Attic	1120.0	2.05	2296.0	1. Under Attic			19.0	1120.0	2.70 X 1.00	3024.0	
Base Total:				As-Built Total:				1120.0	3024.0		
FLOOR TYPES Area X BWPM = Points				Type			R-Value	Area X WPM = Points			
Slab	136.0(p)	8.9	1210.4	1. Slab-On-Grade Edge Insulation			0.0	136.0(p)	18.80	2556.8	
Raised	0.0	0.00	0.0								
Base Total:				As-Built Total:				136.0	2556.8		

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: , Plat: , , ,

PERMIT #:

BASE				AS-BUILT			
INFILTRATION Area X BWPM = Points				Area X WPM = Points			
2223.0 -0.59 -1311.6				2223.0 -0.59 -1311.6			
Winter Base Points:			17614.1	Winter As-Built Points:			21048.0
Total Winter X Points	System = Multiplier	Heating Points		Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)			
17614.1	0.5540	9758.2		(sys 1: Electric Heat Pump 40500 btuh ,EFF(8.1) Ducts:Unc(S),Con(R),Int(AH),R6.0 21048.0 1.000 (1.060 x 1.169 x 0.88) 0.421 0.950 9215.8 21048.0 1.00 1.095 0.421 0.950 9215.8			

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: , Plat: , , ,

PERMIT #:

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

CODE COMPLIANCE STATUS													
BASE					AS-BUILT								
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points
9823		9758		10540		30122	8732		9216		10774		28722

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: , Plat: , , ,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.3

The higher the score, the more efficient the home.

ELECTRIC, Lot: , Sub: , Plat: , , ,

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 40.5 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	4	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft ²)	2223 ft ²		
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 40.5 kBtu/hr
(or Single or Double DEFAULT)	7a(Sngle Default) 263.0 ft ²		HSPF: 8.10
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 263.0 ft ²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 136.0(p) ft	a. Electric Resistance	Cap: 50.0 gallons
b. N/A			EF: 0.90
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Concrete, Int Insul, Exterior	R=4.1, 720.0 ft ²	(HR-Heat recovery, Solar	
b. Frame, Wood, Exterior	R=13.0, 992.0 ft ²	DHP-Dedicated heat pump)	
c. Frame, Steel, Adjacent	R=13.0, 159.0 ft ²	15. HVAC credits	PT,
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=19.0, 1120.0 ft ²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Con. AH(Sealed):Interior	Sup. R=6.0, 150.0 ft		
b. N/A			

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

Builder Signature: Melina Meneze

Date: 5/17/08

Address of New Home: 380 SW Timber Ridge Dr City/FL Zip: Lake City, FL 32055



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

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

Duct System Summary

Entire House

MARONDA HOMES

Job: SUNBURY

Date:

By: G. CARMACK

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

Project Information

For: SUNBURY

	Heating	Cooling
External static pressure	0.60 in H2O	0.60 in H2O
Pressure losses	0.00 in H2O	0.00 in H2O
Available static pressure	0.60 in H2O	0.60 in H2O
Supply / return available pressure	0.48 / 0.12 in H2O	0.48 / 0.12 in H2O
Lowest friction rate	1.935 in/100ft	1.935 in/100ft
Actual air flow	1240 cfm	1240 cfm
Total effective length (TEL)	31 ft	

Supply Branch Detail Table

Name	Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	Rect Size (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
KITCHEN	h 423.5	150	150	1.935	6	x0	VIFx	25.0	0.0	st1
FAMILY ROOM	h 424.1	140	140	1.935	6	x0	VIFx	25.0	0.0	ST2
DINING ROOM	h 399.1	150	150	1.935	6	x0	VIFx	25.0	0.0	st1
LIVING ROOM	c 332.9	140	140	9.677	6	x0	VIFx	5.0	0.0	ST3
UTILITY ROOM	h 829	25	25	9.677	4	x0	VIFx	5.0	0.0	ST3
BATHROOM	c 143.2	25	25	9.677	4	x0	VIFx	5.0	0.0	ST3
MASTER BEDROOM	c 330.3	140	140	3.226	6	x0	VIFx	15.0	0.0	ST2
MASTER BATHROOM	c 251.6	100	100	3.226	5	x0	VIFx	15.0	0.0	st5
HALL BATHROOM	c 110.9	25	25	4.839	4	x0	VIFx	10.0	0.0	ST2
TOILET	c 102.3	25	25	3.226	4	x0	VIFx	15.0	0.0	st5
BEDROOM #3	h 451.1	110	110	4.839	5	x0	VIFx	10.0	0.0	st1
BEDROOM #2	c 242.2	100	100	4.839	5	x0	VIFx	10.0	0.0	ST4
BEDROOM #4	c 268.1	110	110	4.839	5	x0	VIFx	10.0	0.0	st1

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
st1	Peak AVF	520	520	1.935	515	12	0 x 0	VinFlx	st5
ST2	Peak AVF	620	620	1.935	613	12	0 x 0	VinFlx	
ST3	Peak AVF	190	190	9.677	569	7	0 x 0	VinFlx	
ST4	Peak AVF	100	100	4.839	510	5	0 x 0	VinFlx	
st5	Peak AVF	315	315	3.226	632	10	0 x 0	VinFlx	st2

Bold/italic values have been manually overridden

Return Branch Detail Table

Name	Grill Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	RectSize (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb1	0x0	1240	1240	6.0	1.935	568	18	x0 0		VlFx	



Project Summary

Entire House

MARONDA HOMES

Job: SUNBURY
Date:
By: G. CARMACK

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

Project Information

For: SUNBURY

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33 °F
Inside db	70 °F
Design TD	37 °F

Summer Design Conditions

Outside db	92 °F
Inside db	75 °F
Design TD	17 °F
Daily range	M
Relative humidity	50 %
Moisture difference	52 gr/lb

Heating Summary

Structure	39178 Btuh
Ducts	7466 Btuh
Central vent (100 cfm)	4048 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	50692 Btuh

Sensible Cooling Equipment Load Sizing

Structure	19600 Btuh
Ducts	9255 Btuh
Central vent (100 cfm)	1860 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.97
Equipment sensible load	29794 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	2223	2223
Volume (ft³)	17517	17517
Air changes/hour	0.32	0.16
Equiv. AVF (cfm)	93	47

Latent Cooling Equipment Load Sizing

Structure	2842 Btuh
Ducts	2144 Btuh
Central vent (100 cfm)	3516 Btuh
Equipment latent load	8502 Btuh

Equipment total load	38295 Btuh
Req. total capacity at 0.76 SHR	3.3 ton

Heating Equipment Summary

Make TEMPSTAR
Trade HEAT PUMP
Model N4H342AKA

Efficiency	8.1 HSPF
Heating input	
Heating output	0 Btuh @ 47°F
Temperature rise	0 °F
Actual air flow	1240 cfm
Air flow factor	0.027 cfm/Btuh
Static pressure	0.60 in H2O
Space thermostat	

Cooling Equipment Summary

Make TEMPSTAR
Trade HEAT PUMP
Cond N4H342AKA
Coil FSU4X4200A

Efficiency	13 SEER
Sensible cooling	30780 Btuh
Latent cooling	9720 Btuh
Total cooling	40500 Btuh
Actual air flow	1240 cfm
Air flow factor	0.043 cfm/Btuh
Static pressure	0.60 in H2O
Load sensible heat ratio	0.78

Bold/italic values have been manually overridden

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



wrightsoft

Right-Suite Residential 6.0.90 RSR21115

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2008-Jan-29 11:18:08

Page 1

Project Information

For: SUNBURY

Design Conditions

Location:

Gainesville, FL, US
Elevation: 151 ft
Latitude: 30°N

Outdoor:

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

Heating

33
-
-
15.0

Cooling

92
19 (M)
77
7.5

Indoor:

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

Heating

70
37
30
10.6

Cooling

75
17
50
52.0

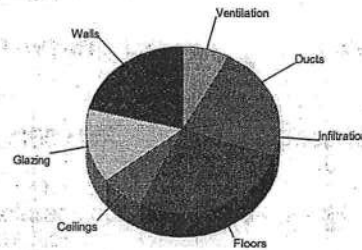
Infiltration:

Method
Construction quality
Fireplaces

Simplified
Average
0

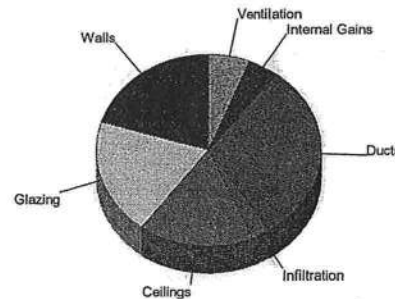
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	4.1	10723	21.2
Glazing	47.0	7283	14.4
Doors	0.0	0	0.0
Ceilings	1.3	3724	7.3
Floors	28.1	13667	27.0
Infiltration	1.4	3782	7.5
Ducts		7466	14.7
Piping		0	0.0
Humidification		0	0.0
Ventilation		4048	8.0
Adjustments		0	0.0
Total		50692	100.0



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	2.4	6218	20.2
Glazing	38.9	6036	19.7
Doors	0.0	0	0.0
Ceilings	1.8	5097	16.6
Floors	0.0	0	0.0
Infiltration	0.3	869	2.8
Ducts		9255	30.1
Ventilation		1860	6.1
Internal gains		1380	4.5
Blower		0	0.0
Adjustments		0	0.0
Total		30715	100.0



Overall U-value = 0.160 Btuh/ft²-°F

Data entries checked.

NOTICE OF COMMENCEMENT

Tax Parcel Identification Number 10-45-10-02850-116

County Clerk's Office Stamp or Seal

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this NOTICE OF COMMENCEMENT.

1. Description of property (legal description): 1611 Timberlands
a) Street (job) Address: 3810 SW Timber Ridge Dr.
2. General description of improvements: Construction of a single family dwelling
3. Owner Information
a) Name and address: Maronda Homes Inc of FL 10800 Southpoint Pkwy #300 Jax FL 32216
b) Name and address of fee simple titleholder (if other than owner):
c) Interest in property:
4. Contractor Information
a) Name and address: Maronda Homes Inc of FL 10800 Southpoint Pkwy #300 Jax FL 32216
b) Telephone No.: (904) 290-1490 Fax No. (Opt.): (904) 332-0375
5. Surety Information
a) Name and address:
b) Amount of Bond:
c) Telephone No.: Fax No. (Opt.):
6. Lender
a) Name and address:
b) Phone No.:
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
a) Name and address: Southern Title Holding Co LLC 3943 Bay Meadows Rd Jax FL 32217
b) Telephone No.: (904) 739-2205 Fax No. (Opt.):
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes:
a) Name and address:
b) Telephone No.: Fax No. (Opt.):
9. Expiration date of Notice of Commencement (the expiration date is one year from the date of recording unless a different date is specified):

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

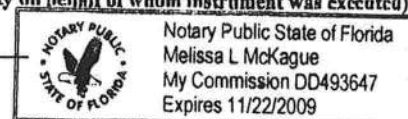
STATE OF FLORIDA
COUNTY OF COLUMBIA

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

The foregoing instrument was acknowledged before me, a Florida Notary, this 17 day of July, 2008, by:
Theodore C. Brock as V.P. of Construction (type of authority, e.g. officer, trustee, attorney
fact) for Maronda Homes Inc of Florida (name of party on behalf of whom instrument was executed).

Personally Known ☒ OR Produced Identification Type:

Notary Signature Melissa L McKague Notary Stamp or Seal:



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

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

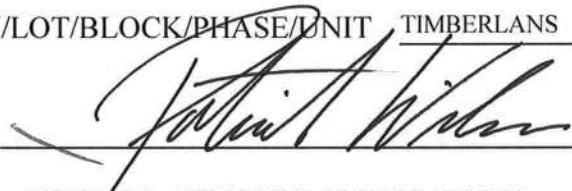
Columbia County Building Department Culvert Permit

Culvert Permit No.
000001674

DATE 10/03/2008 PARCEL ID # 10-4S-16-02856-116
APPLICANT PATRICK WILSON PHONE 904.296.1490
ADDRESS 6800 SOUTHPOINT PKWY # 300 JACKSONVILLE FL 32216
OWNER MARONDA HOMES INC. OF FLORIDA PHONE 904.296.1490
ADDRESS 386 SW TIMBER RIDGE DRIVE LAKE CITY FL 32025
CONTRACTOR _____ PHONE _____
LOCATION OF PROPERTY 90-W TO SR. 247-S, TL TO C-252-B, TR TO TIMBER RIDGE DR, 9TH LOT ON L.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT TIMBERLANS 16 1

SIGNATURE



INSTALLATION REQUIREMENTS



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

INSTALLATION NOTE: Turnouts will be required as follows:

- a) a majority of the current and existing driveway turnouts are paved, or;
- b) the driveway to be served will be paved or formed with concrete.

Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



Other _____

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

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

Amount Paid 25.00



27398

FIELD DENSITY WORKSHEET

CLIENT MARIONDA HOMES DATE 2 Oct 68

PROJECT NAME TIMBERLINGS LAKE CITY PROJECT NO. _____
PERMIT NO. 1

EARTH CONTRACTOR Lot #16 JCBK 9/10/16 TESTED BY JWLC

COMPACTION REQUIREMENT (%) 95% ☐ Standard Proctor ☒ Modified Proctor

TOTAL ON-SITE TIME _____ MILES FROM OFFICE _____

☐ Limerock ☐ Subgrade ☐ Pipe Backfill ☒ Building Pad ☒ Building Footing ☐ Other _____[illegible]

REMARKS _____

* Density failed to meet minimum project requirement

*** Retest indicates minimum density requirement was obtained.

() Client is aware of unsatisfactory test results.

MARONDA HOMES INC

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-16-02856-116

Building permit No. 000027398

Use Classification SFD/UTILITY

Fire: 64.20

Permit Holder THEODORE C. BROCK

Waste: 167.50

Owner of Building MARONDA HOMES INC, OF FLORIDA

Total: 231.70

Location: 386 SW TIMBER RIDGE DR., LAKE CITY, FL

Date: 12/17/2008

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



Harry Fisher by Mark

**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 specifiically designed by the registered design professional.

Elevations Drawing including:

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



Floor Plan including:

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

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

Foundation Plans Per FRC 403:

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

CONCRETE SLAB ON GRADE Per FRC R506

- Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
- Show control joints, synthetic fiber reinforcement or welded 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 piers
- Girder type, size and spacing to load bearing walls, stem wall and/or piers
- Attachment of joist to girder
- Wind load requirements where applicable
- Show required under-floor crawl space
- Show required amount of ventilation opening for under-floor spaces
- Show required covering of ventilation opening.
- Show the required access opening to access to under-floor spaces
- Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & intermediate of the areas structural panel sheathing
- Show Draft stopping, Fire caulking and Fire blocking
- Show fireproofing requirements for garages attached to living spaces, per FRC section R309
- Provide live and dead load rating of floor framing systems (psf).

WOOD WALL FRAMING CONSTRUCTION FRC CHAPTER 6

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

ROOF SYSTEMS:

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

Conventional Roof Framing Layout Per FRC 802:

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

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

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

ROOF ASSEMBLIES FRC Chapter 9

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

FCB Chapter 13 Florida Energy Efficiency Code for Building Construction

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

HVAC information shown

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

Plumbing Fixture layout shown

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

Electrical layout shown including:

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

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

Private Potable Water

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

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

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

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

PRODUCT APPROVAL SPECIFICATION SHEET

Location: _____ **Project Name:** _____

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

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

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

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

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

Patrick Wilson
Contractor or Contractor's Authorized Agent Signature

PATRICK Wilson 9/17/08
Print Name Date

Location

Permit # (FOR STAFF USE ONLY)

Maronda Systems

Maronda Systems

4005 Maronda Way

Sanford FL 32771

(407) 321-0064

Fax (407) 321-3913

Engineer/Architect of Record: Tomas Ponce P.E.

367 Medallion PL.

Chuluota

Design Criteria: TPI

Design: Matrix Analysis

MiTek software

PLAN JOB #	LOT	ADDRESS	DIV/SUB	MODEL	SUNBURY V
9TM01601	16-1	386 W TIMBER RIDGE DR	JAX-9TM	SUNV3 RIGHT	

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

The Truss Engineering package for the above referenced site was generated by the Truss Designer/Architect/MiTek/Trenco.

I, Tomas Ponce P.E. the Architect/Engineer of Record for the above referenced lot Have reviewed the package and confirmed that it matches the physical and structural Parameters found on the set of permit drawings.

Truss ID	Run Date	Drawing Reviewed	Truss ID	Run Date	Drawing Reviewed	No. of Eng. Dwgs:	40
Layout	12/20/07		V2A	12/27/07		Roof Loads-	
V	07/27/05		V2B	12/27/07		TC Live:	16.0 psf
HIP	11/02/06		V4	12/27/07		TC Dead:	7.0 psf
H1	12/27/07					BC Live:	10.0 psf
H1A	12/27/07					BC Dead:	10.0 psf
H2S	12/27/07		Floor Layout	09/26/07		Total	43.0 psf
H3S	12/27/07		FA	12/13/07			
HGRDS	12/27/07		FB	12/13/07		DurFac- Lbr:	1.25
HGRDB6	12/27/07		FC	12/13/07		DurFac- Plt:	1.25
HS1	12/27/07		FD	06/23/08		O.C. Spacing:	24.0"
HS2	12/27/07		FE	12/13/07			
HS3	12/27/07						
HSGRD	12/27/07					Floor Loads-	
J1	12/27/07					TC Live:	40.0 psf
J1B6	12/27/07					TC Dead:	10.0 psf
J1S	12/27/07					BC Live:	0.0 psf
J2	12/27/07					BC Dead:	5.0 psf
J2B6	12/27/07					Total	55.0 psf
J2S	12/27/07					DurFac- Lbr:	1.00
J3	12/27/07					DurFac- Plt:	1.00
J3B6	12/27/07					O.C. Spacing:	24.0"
J3S	12/27/07						
J4	12/27/07						
J4B6	12/27/07						
JGRD	12/27/07						
JGRDB6	12/27/07						
JS1	12/27/07						
JS2	12/27/07		INV #	DESC	QNTY		
JS3	12/27/07		50060.0114	THD48			
JS4	12/27/07		50060.0047	THD28			
JSGRD	12/27/07		50060.0110	JUS26	17		
M4	12/27/07		50060.0058	THJ26	6		
RG2	12/27/07		50060.0049	THD28-2			
T1	12/27/07						
T1A	12/27/07						
T1AS	12/27/07		SEAT PLATES		37		
			FLOOR SEAT PLATES		29		



DATE: JUL 28 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 THD28-3
- 14 THD48
- 15 THJ26**
- 16 LTW12

HARDWARE MANUFACTURED
BY USP

* HARDWARE MANUFACTURED
BY SIMPSON

** HARDWARE MANUFACTURED
BY CLEVELAND

8002 8 2 JUN

SUNBURY ELEVATION "V" - FL

GARAGE : RIGHT



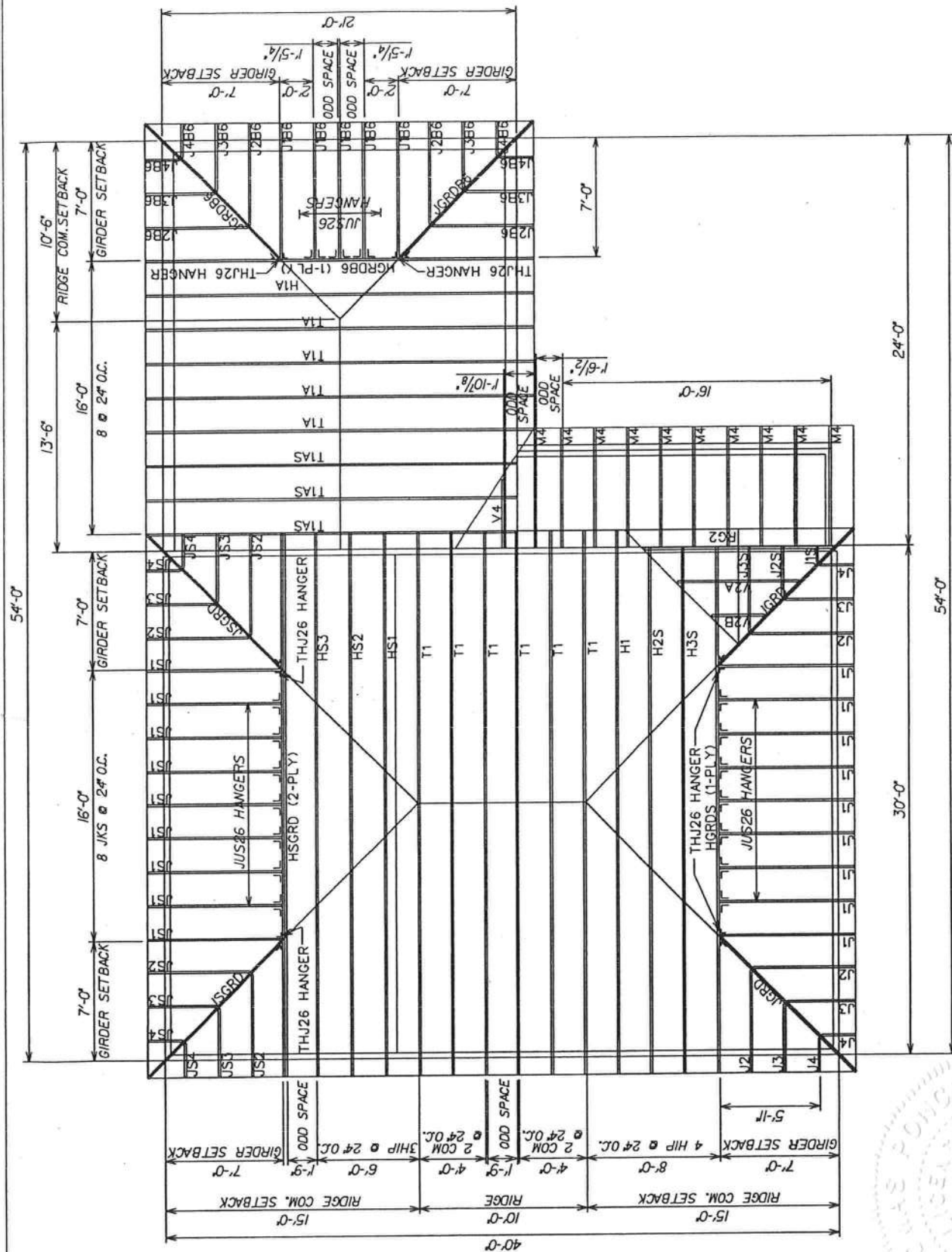
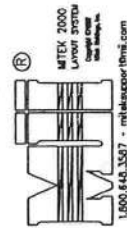
DESIGNER:
CHECKER: MIKE

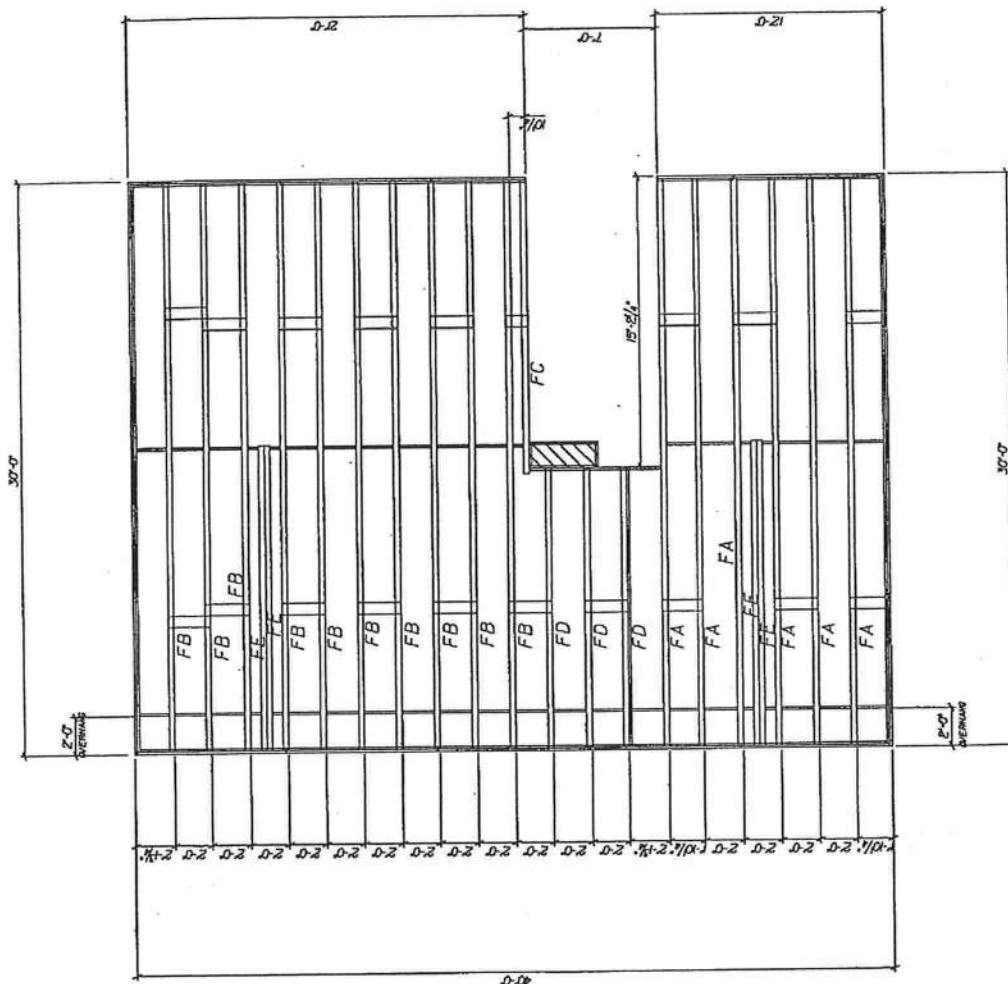
DRAWN BY: K WARD

LOADING-FBC2004/TP12002

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

SCALE: 1/8" = 1'-0"
DATE: 12/19/2007





JUL 28 2008

PERMIT
FT2

HARDWARE
LEGEND
HARDWARE MANUFACTURED
BY USP

☐ THD28-2

☐ THD48

SUNBURY - FL

ALL ELEVATIONS

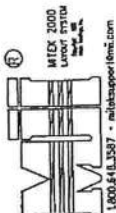
GARAGE : RIGHT

DESIGNER: J. Pitcock
CHECKER: K. Cooper

LOADING-FBC2004/TPI2002

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

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



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 arrioste diagonal temporales. Use las recomendaciones de manejo, instalación, restricción y arrioste temporal de los trusses. Vea el folleto BCSI Guía de Buena Práctica para el Manejo, Instalación, Restricción y Arrioste de los Trusses de Madera Conectados con Placas de Metal para información más detallada.

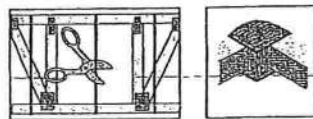
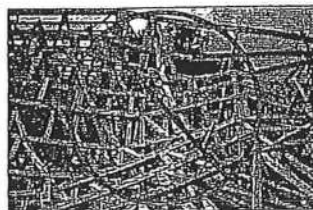
Los dibujos de diseño de los trusses pueden especificar las localizaciones de restricción lateral permanente o refuerzo en los miembros individuales del truss. Vea la hoja resumen BCSI-B3 - Restricción/Arrioste Permanente de Cuerdas y Miembros Secundarios para más información. El resto de los diseños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

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

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

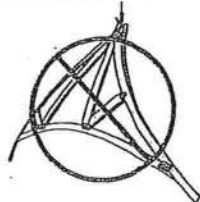
- ⚠ Banding and truss plates have sharp edges. Wear gloves when handling and safety glasses when cutting banding.

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



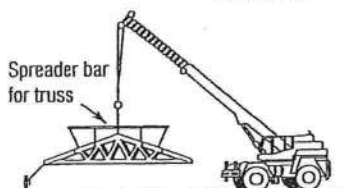
HANDLING — MANEJO

- ⚠ Avoid lateral bending. — Evite la flexión lateral.



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

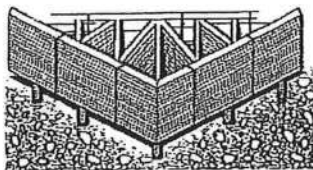
Utilice cuidado especial en días ventosos o cerca de cables eléctricos o de aeropuertos.



- ✓ Use proper rigging and hoisting equipment.
- Use equipo apropiado para levantar e improvisar.

- ⚠ 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 almacenamiento de los trusses en área de trabajo.

- ⚠ Do not store unbraced bundles upright.

No almacene verticalmente los trusses sueltos.



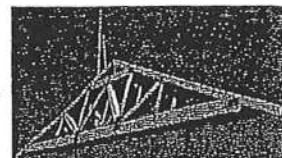
- ⚠ Do not store on uneven ground.

No almacene en tierra desigual.



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

- ⚠ Warning! Don't overload the crane.
¡Advertencia! ¡No sobrecarga la grúa!
- ⚠ Never use banding alone to lift a bundle.
Do not lift a group of individually banded bundles.
Nunca use sólo los empaques para levantar un paquete.
No levante un grupo de empaques individuales.



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

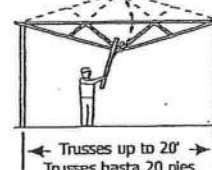
Puede usar un solo lugar de levantar para paquetes de trusses hasta 45 pies.
Puede usar dos puntos de levantar para paquetes más de 60 pies.
Use por lo menos tres puntos de levantar para paquetes más de 60 pies.

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

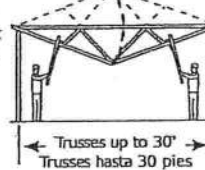
- ✓ Place truss bundles in stable position.
Puse paquetes de trusses en una posición estable.

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

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



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



HOISTING OF SINGLE TRUSSES — LEVANTAMIENTO DE TRUSSES INDIVIDUALES

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

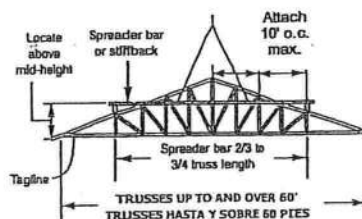
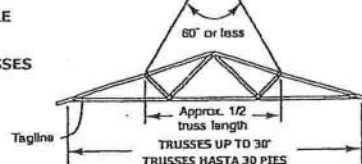
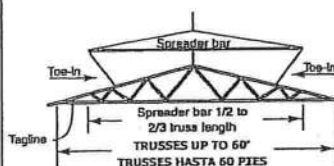
Sostenga cada truss en posición con equipo de grúa hasta que la restricción lateral temporal de la cuerda superior esté instalada y el truss está asegurado en los soportes.

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

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



HOISTING RECOMMENDATIONS FOR SINGLE TRUSSES RECOMENDACIONES PARA LEVANTAR TRUSSES INDIVIDUALES



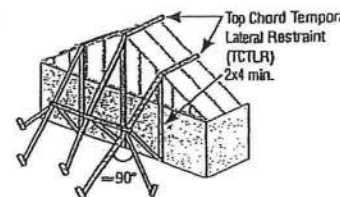
TEMPORARY RESTRAINT & BRACING RESTRICCIÓN Y ARRIOSTRE TEMPORAL

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

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

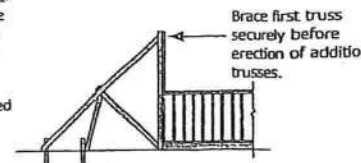
- ✓ Locate ground braces for first truss directly in line with all rows of top chord temporary lateral restraint (see table in the next column).

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



- ⚠ Do not walk on unbraced trusses.

No camine en trusses sueltos.



STEPS TO SETTING TRUSSES

PASOS MEDIDAS DE LA INSTALACIÓN DE LOS TRUSSES

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

- 1) Instale los arriostres de tierra. 2) Instale el primero truss y ate seguramente al arriostre de tierra. 3) Instale los próximos cuatro trusses con restricción lateral temporal de miembro corto (vea abajo). 4) Instale el arriostre diagonal de la cuerda superior (vea abajo). 5) Instale arriostre diagonal para los planos de los miembros secundarios para estable los primeros cinco trusses (vea abajo). 6) Instale la restricción lateral temporal y arriostre diagonal para la cuerda inferior (vea abajo). 7) Repita 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 resumen BCSI-B2 - Instalación de Trusses y Arriostre Temporal para mayor información.

RESTRAINT/BRACING FOR ALL PLANES OF TRUSSES

RESTRICCIÓN/ARRIOSTRE EN TODOS PLANOS DE TRUSSES.

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

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

TOP CHORD — CUERDA SUPERIOR

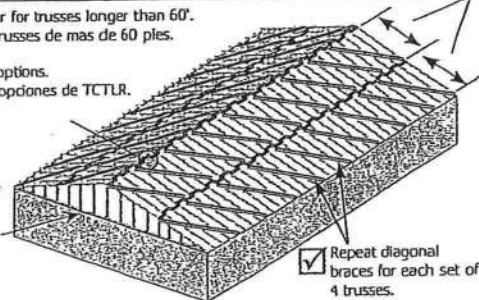
Truss Span Longitud de Tramo	Top Chord Temporary Lateral Restraint (TCLTR) Spacing Espaciamiento del Arriostre Temporal de la Cuerda Superior
Up to 30'	10' o.c. max.
Hasta 30 pies	10 pies máximo
30' to 45'	8' o.c. max.
30 a 45 pies	8 pies máximo
45' to 60'	6' o.c. max.
45 a 60 pies	6 pies máximo
60'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

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

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

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

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

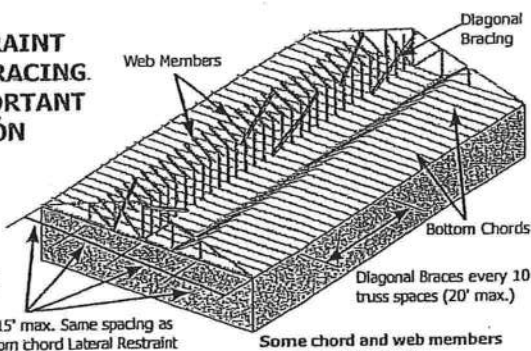


Ground bracing not shown for clarity.

- Repeat diagonal braces for each set of 4 trusses.
Repita los arriostres diagonales para cada grupo de 4 trusses.

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!



10'-15' max. Same spacing as bottom chord Lateral Restraint

Some chord and web members not shown for clarity.

BOTTOM CHORD — CUERDA INFERIOR

Lateral Restraints - 2x4x12' or greater lapped over two trusses.

Bottom chords

Diagonal Braces every 10 truss spaces (20' max.)

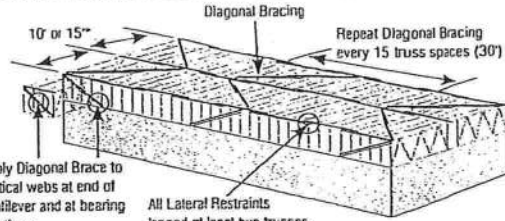
Some chord and web members not shown for clarity.

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.

Apply Diagonal Brace to vertical webs at end of cantilever and at bearing locations.

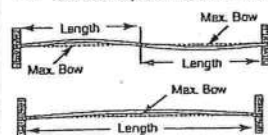


All Lateral Restraints lapped at least two trusses.

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

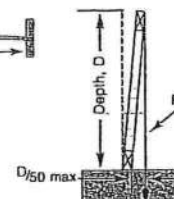
INSTALLING — INSTALACIÓN

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



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

Tolerancias para Fuera-de-Plomada.



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

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

CONSTRUCTION LOADING — CARGA DE CONSTRUCCIÓN

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

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

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

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

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



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

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

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

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

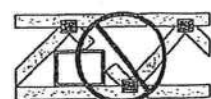


ALTERATIONS — ALTERACIONES

- Refer to BCSI-B5 Summary Sheet - Truss Damage, Jobsite Modifications & Installation Errors.
Vea el resumen BCSI-B5 Daños de trusses, Modificaciones en la Obra y Errores de Instalación.

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

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



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

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

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



6300 Enterprise Lane • Madison, WI 53719
608/274-1849 • www.bcsiindustry.com



218 N. Lee St., Ste. 312 • Alexandria, VA 22314
703/683-1010 • www.tpinet.org

Maronda Systems

MARONDA SYSTEMS

4005 Maronda Way

Sanford, FL 32771

(407) 321-0064

Fax (407) 321-3913

Date: November 1, 2006

To: Building Department

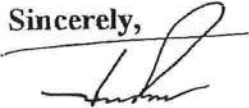
From: Maronda Systems
Tomas Ponce
Professional Engineer
State of Florida #0050068

Subject: Valley Trusses

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

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

Sincerely,



Tomas Ponce, P.E.

Date: 11/1/06

SIGN INFORMATION

[illegible]

ABRICATION-NOTES-

[illegible]

RECAUTIONARY NOTES

loading and unloading of trusses under conditions are to be specified in the contract documents. Trusses are to be installed in accordance with accepted industry practices. Trusses are to be handled with particular care during handling and handling, 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 bracing is always required. Normal precautionary bracing for trusses requires such temporary bracing during installation between trusses to avoid tipping and buckling. The supervision of erection of trusses shall be under the control of personnel experienced in this type installation of trusses. Professional service shall be sought for design of bracing and for erection of trusses other than design trusses which are specified to be erected at any time. The design of bracing shall be applied to the trusses shall be applied to trusses with other full fastening and bracing is required.

Maronda Systems

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

WARNING:

READ ALL NOTES ON THIS SHEET. A COPY OF THIS DRAWING TO BE GIVEN TO
 BREWSTER CONTRACTOR, BRACING AND SHORING, INC., 1000
 BREWSTER STREET, NEWTON, MASSACHUSETTS 02459.
 Bracing shown on this drawing is to be installed in accordance with the
 following notes and which must be considered by the building designer. Bracing should
 be installed in accordance with the following notes and which must be considered by the
 members only to reduce bracing length. Provided must be made to anchor lateral bracing at ends and specified
 locations determined by the building design. Additional bracing of the overall structure may be required. (See HB-9)
 (TYP) For specific bracing requirements, consult building designer (Truss Plate Institute, TPI is located at 363
 D'Oroville Drive, Medford, Wisconsin 53719).
 C. A. 118 Sundridge Road, Edenburg, SC 29729

DONORNO DAVE, Madison, Wisconsin 53712.
 Consultant Engineering by Tress Engineering Co., P.A., 818 Soundside Rd. Edenton, NC 27932

Copyright Clearance Center, Inc.

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NO: HIPDETAIL

DATE: 11/11/2011

11/2/2006

Libr DF: 1.25

DATE: 1-25-00

TPI-02/FBC-04

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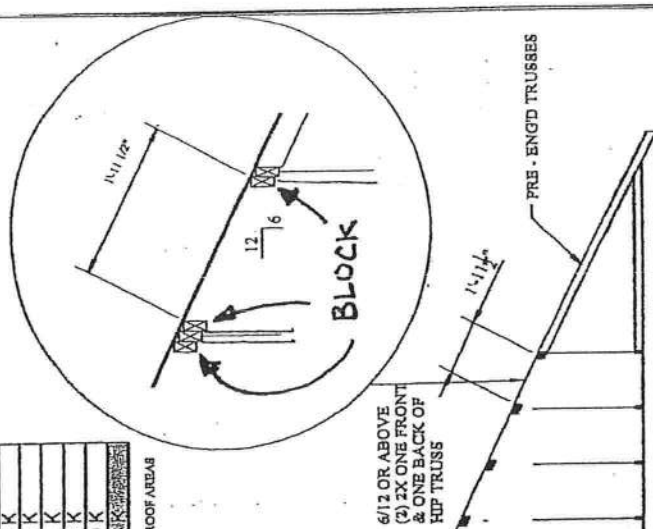
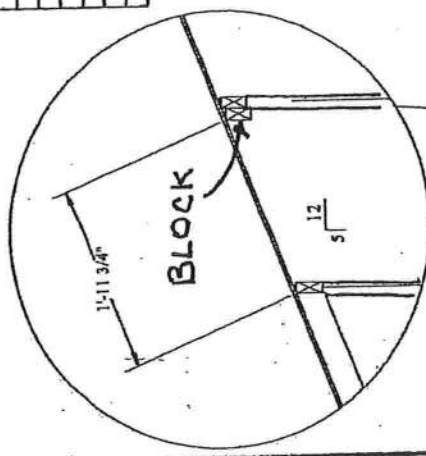
HIP TRUSS BLOCKING REQUIREMENTS

APA-FORM NO. TT-083

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

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

NOTE: SHADED AREA REQUIRES LUMBER BLOCKING BETWEEN TRUSS AT UN SUPPORTED PANEL, EDGIES IN HIP ROOF AREAS



3/12 (1) 2X
TO THE FRONT OF
HIP TRUSS

7/16" OSB ROOF SHEATHING

2X BLOCKING TYP
NAILED W/ 10D 12" O.C.

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

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

Trenco

818 Soundside Rd
Edenton, NC 27932

Re: SUNBURY
SUNBURY_FLORIDA_125

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

Pages or sheets covered by this seal: E4585782 thru E4585895

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



December 27, 2007

Strzyzewski, Marvin

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

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585783
SUNBURY	H1	HIP	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, Florida						

7.020 s Nov 9 2007 MiTek Industries, Inc. Thu Dec 27 10:02:39 2007 Page 1

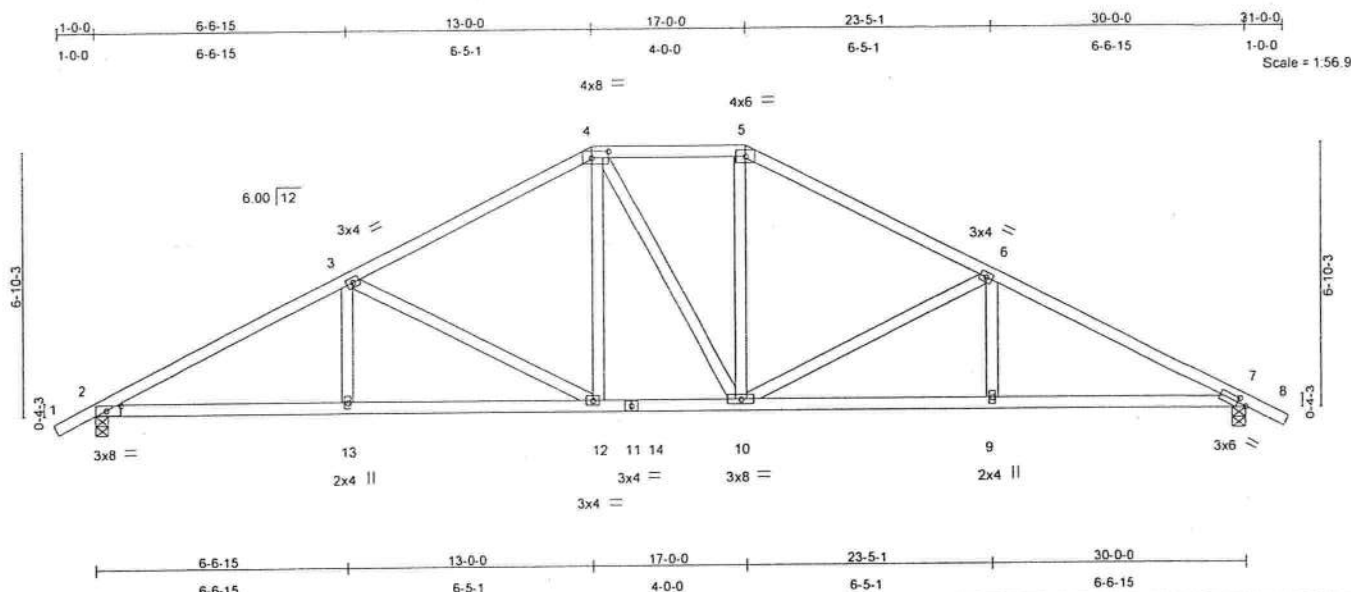


Plate Offsets (X,Y): [2:0-4-12,0-1-8], [4:0-5-4,0-2-0], [7:0-2-10,0-1-8]

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

LUMBER

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

BRACING

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

REACTIONS

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

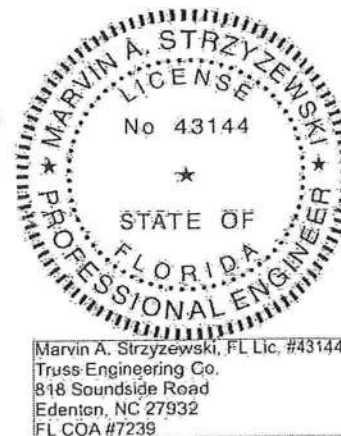
FORCES (lb) - Maximum Compression/Maximum Tension

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

NOTES

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

LOAD CASE(S) Standard



December 27, 2007



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE M11-7473 BEFORE USE.

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and ECSI1 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

TRENCO
ENGINEERING BY
A MiTek Affiliate

818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585784
SUNBURY	H1A	HIP	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, Florida						7,020 s Nov 9 2007 MiTek Industries, Inc. Thu Dec 27 10:02:40 2007 Page 1

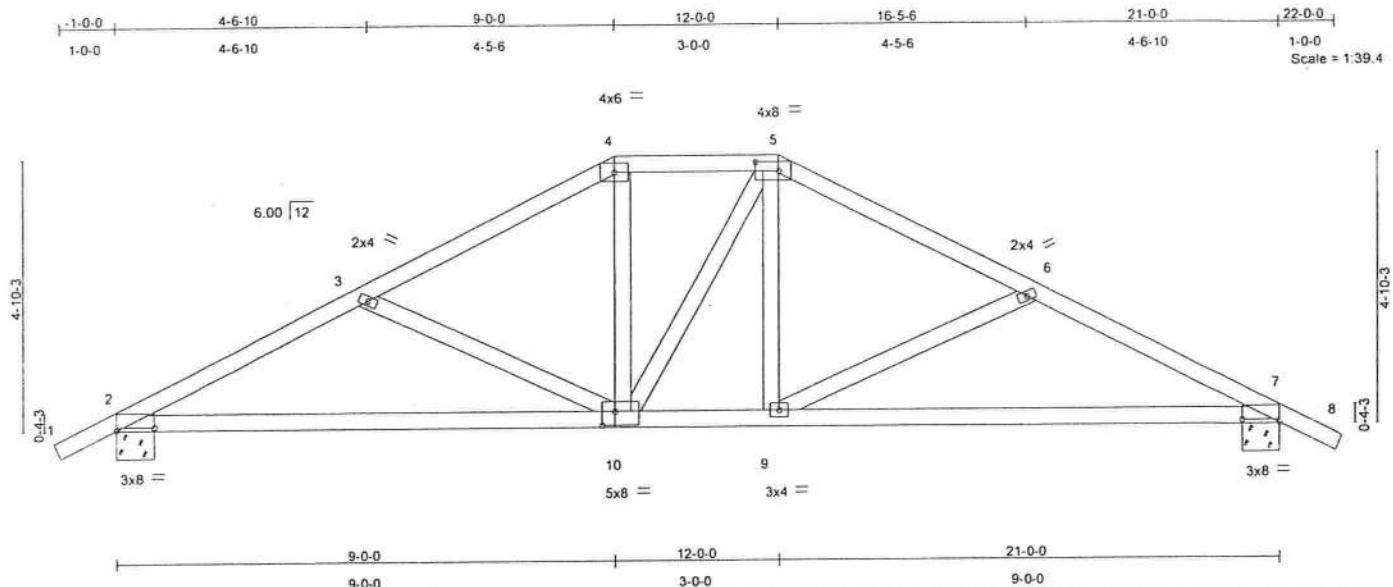


Plate Offsets (X,Y): [2-0-8-0-0-10], [5-0-5-4-0-2-0], [7-0-8-0-0-10], [10-0-2-12-0-3-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.32	Vert(LL)	-0.15	7-9	>999	240	MT20
TCDL 7.0	Lumber Increase	1.25	BC 0.54	Vert(TL)	-0.37	7-9	>665	180	244/190
BCLL 10.0	Rep Stress Incr	YES	WB 0.10	Horz(TL)	0.04	7	n/a	n/a	
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)						Weight: 104 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

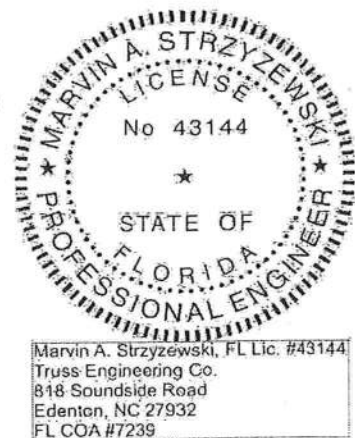
BRACING
TOP CHORD Structural wood sheathing directly applied or 4-10-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=939/0-8-0, 7=939/0-8-0
Max Horz2=93(LC 6)
Max Uplift2=-237(LC 6), 7=-237(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/21, 2-3=-1394/484, 3-4=-1172/383, 4-5=-1000/389, 5-6=-1163/381, 6-7=-1392/485, 7-8=0/21
BOT CHORD 2-10=-304/1215, 9-10=-124/1002, 7-9=-304/1214
WEBS 3-10=-243/198, 4-10=-17/345, 5-10=-91/82, 5-9=-11/343, 6-9=-250/199

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 237 lb uplift at joint 2 and 237 lb uplift at joint 7.

LOAD CASE(S) Standard



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

December 27, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

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

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

Maronda Homes Inc., Sanford, Florida

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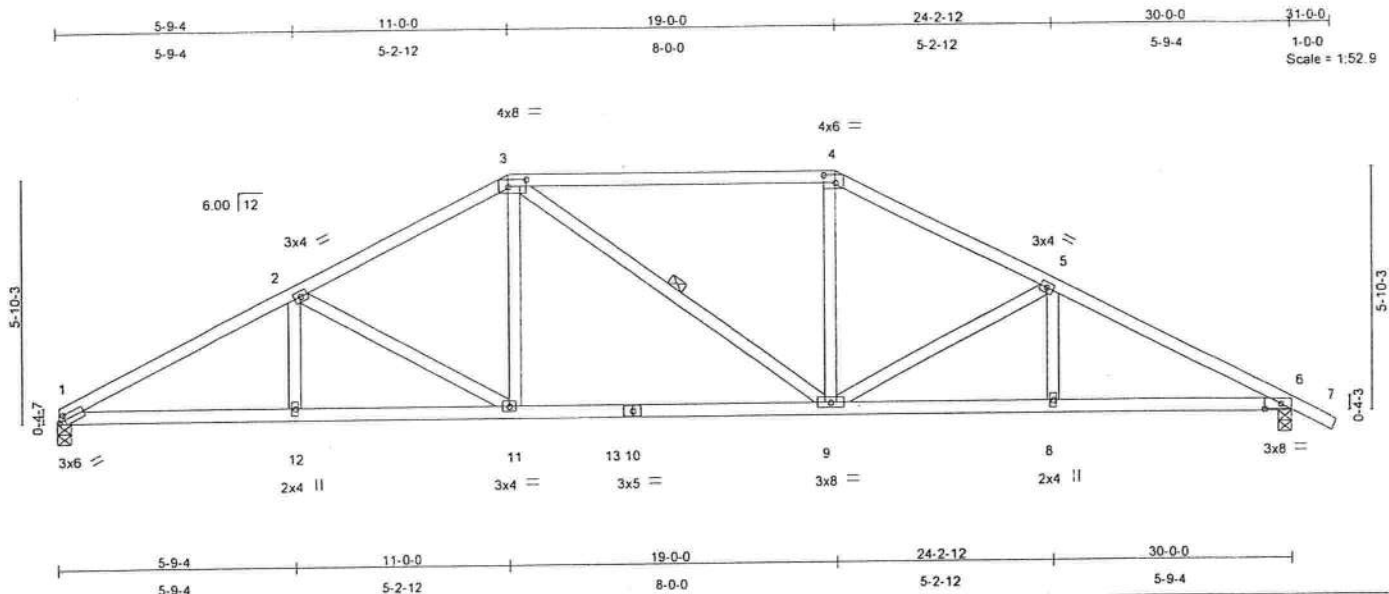


Plate Offsets (X,Y): [1:0-1-13,0-1-8], [3:0-5-4,0-2-0], [4:0-3-8,0-2-4], [6:0-4-12,0-1-8]

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

LUMBER

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

BRACING

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

REACTIONS (lb/size)

1=1329/0-4-0, 6=1371/0-4-0
Max Horz 1=-117(LC 7)
Max Uplift 1=-212(LC 6), 6=-285(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension

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

NOTES

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

LOAD CASE(S) Standard



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

December 27, 2007



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

Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and BC511 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A Mitek Affiliate

818 Soundside Road
Edenton, NC 27932

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

Maronda Homes Inc., Sanford, Florida

7.020 s Nov 9 2007 MiTek Industries, Inc. Thu Dec 27 10:02:46 2007 Page 1

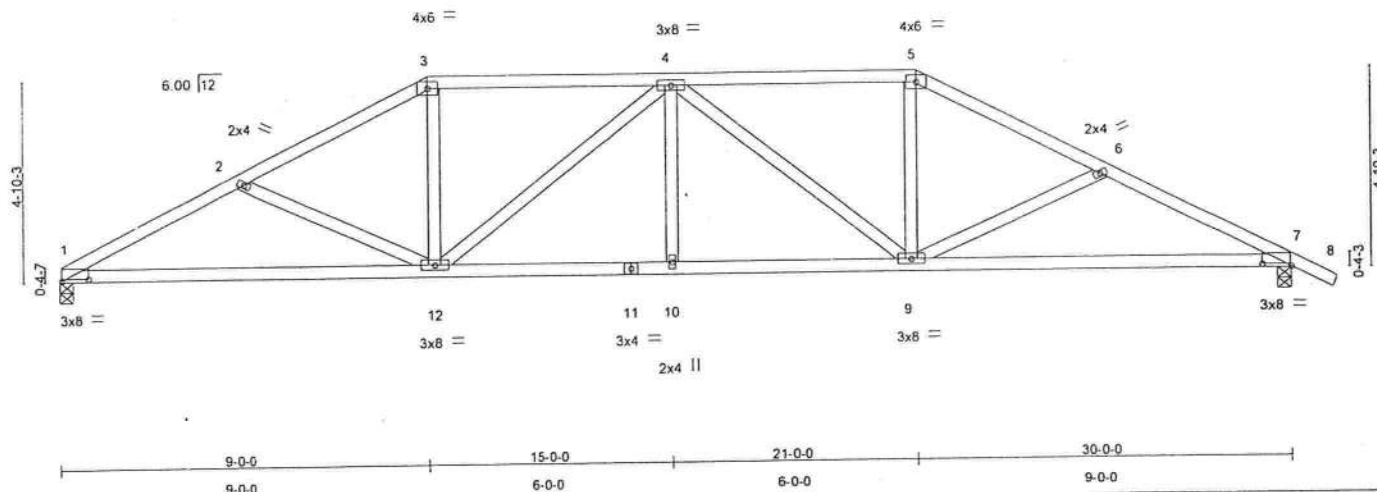


Plate Offsets (X,Y): [1:0-8-0-0-8], [7:0-8-4-0-0-10]

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

LUMBER

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

BRACING

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

REACTIONS (lb/size) 1=1273/0-4-0, 7=1332/0-4-0

Max Horz 1=102(LC 7)
Max Uplift 1=194(LC 6), 7=267(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension

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

NOTES

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

LOAD CASE(S) Standard



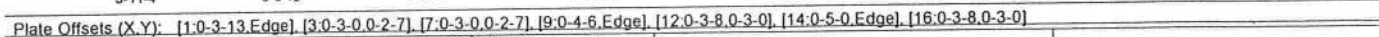
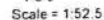
Marvin A. Strzyzewski, FL Lic. #43144
Truss-Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 27, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MI-7473 BEFORE USE.
Design valid for use only with Mittek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANS/IT1 Quality Criteria, DS8-89 and BC511 Building Component Safety Information available from Truss Plate Institute, 583 D'Ondra Drive, Madison, WI 53719.

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

Maronda Homes Inc., Sanford, Florida



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

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

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

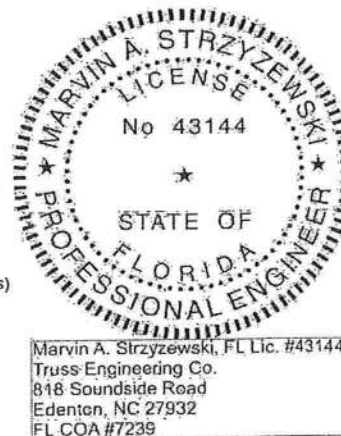
FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-5851/2534, 2-3=-5830/2665, 3-4=-6577/3043, 4-5=-6577/3043, 5-6=-6585/3048, 6-7=-6585/3048, 7-8=-5849/2674, 8-9=-5874/2546, 9-10=0/23
BOT CHORD 1-2=-2252/5158, 16-17=-2252/5158, 16-18=-2325/5167, 15-18=-2325/5167, 15-19=-3196/7077, 14-19=-3196/7077, 14-20=-3196/7077, 13-20=-3196/7077, 13-21=-2284/5183, 12-21=-2284/5183, 11-22=-2218/5189, 9-11=-2218/5189
WEBS 2-17=-81/143, 2-16=-187/173, 3-16=-544/1179, 3-15=-913/1905, 4-15=-165/126, 5-15=-700/342, 5-14=-283/678, 5-13=-696/341, 6-13=-162/124, 7-13=-909/1893, 7-12=-545/1194, 8-12=-187/149, 8-11=-90/153

NOTES

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

LOAD CASE(S) Standard

Continued on page 2



December 27, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE MII-7473 BEFORE USE.
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ENGINEERING BY
TRENCO
A MilTek Affiliat

818 Soundside Road
Edenton, NC 27832

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

Maronda Homes Inc., Sanford, Florida

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LOAD CASE(S) Standard

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

Uniform Loads (plf)

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

Concentrated Loads (lb)

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



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

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ENGINEERING BY
TRENCO
 A MiTek Affiliate

818 Soundside Road
 Edenon, NC 27832

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585802
SUNBURY	HGR086	HIP	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, Florida						7.020 s Nov 9 2007 MiTek Industries, Inc. Thu Dec 27 10:02:54 2007 Page 1

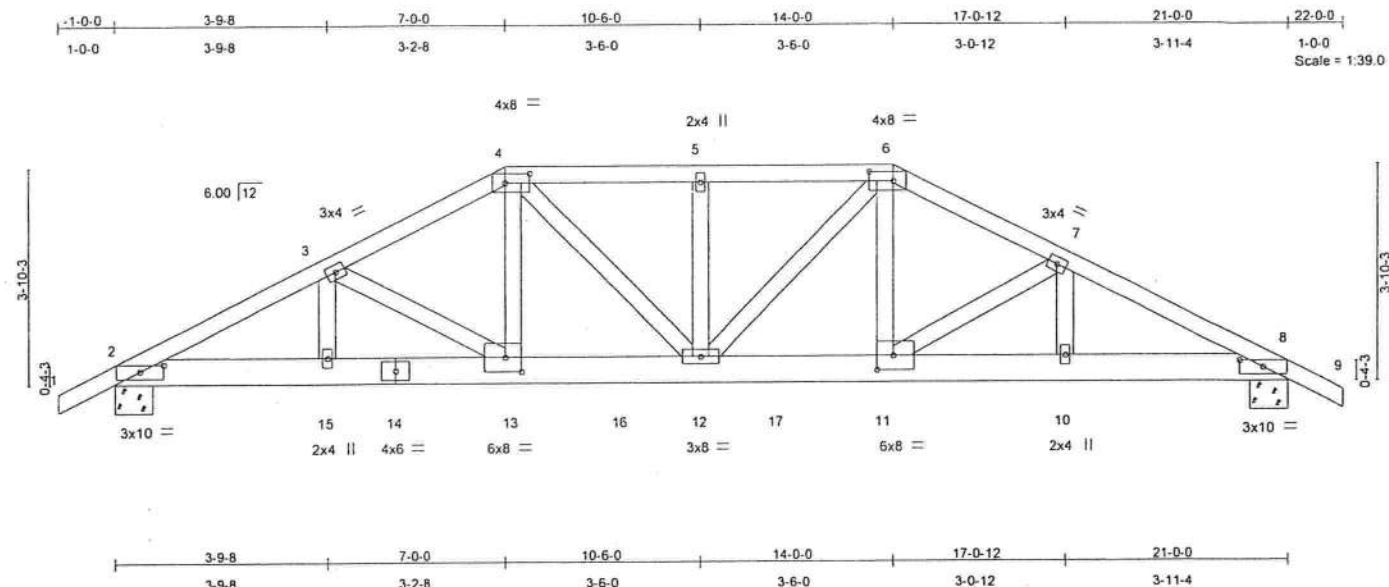


Plate Offsets (X,Y): [2-0-5-0-0-1-7], [4-0-5-4-0-2-0], [6-0-5-4-0-2-0], [8-0-5-0-0-1-7], [11-0-3-8-0-3-0], [13-0-3-8-0-3-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.29	Vert(LL)	0.13	12	>999	240	MT20
TCDL 7.0	Lumber Increase	1.25	BC 0.61	Vert(TL)	-0.24	12	>999	180	244/190
BCLL 10.0	Rep Stress Incr	NO	WB 0.20	Horz(TL)	0.07	8	n/a	n/a	
BCDL 10.0	Code FBC2004/TP12002		(Matrix)						Weight: 128 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 3-1-4 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-6-8 oc bracing.

REACTIONS (lb/size) 2=2027/0-8-0, 8=2027/0-8-0
 Max Horz2=79(LC 5)
 Max Uplift2=-876(LC 5), 8=-876(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/23, 2-3=-3764/1545, 3-4=-3652/1636, 4-5=-3680/1681, 5-6=-3680/1681, 6-7=-3649/1637, 7-8=-3770/1552, 8-9=0/23
 BOT CHORD 2-15=-1365/3281, 14-15=-1365/3281, 13-14=-1365/3281, 13-16=-1437/3291, 12-16=-1437/3291, 12-17=-1388/3290, 11-17=-1388/3290, 10-11=-1321/3287, 8-10=-1321/3287
 WEBS 3-15=0/107, 3-13=-149/64, 4-13=-473/1055, 4-12=-320/602, 5-12=-127/103, 6-12=-319/603, 6-11=-477/1058, 7-11=-145/55, 7-10=0/104

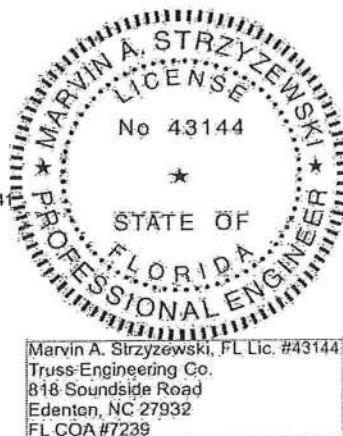
NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 876 lb uplift at joint 2 and 876 lb uplift at joint 8.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 741 lb down and 433 lb up at 7-0-0, 233 lb down and 150 lb up at 9-0-12, 233 lb down and 150 lb up at 10-6-0, and 233 lb down and 150 lb up at 11-11-4, and 74 lb down and 433 lb up at 13-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-4=-46, 4-6=-46, 6-9=-46, 2-8=-40

Continued on page 2



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 FL COA #7239

December 27, 2007

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 Design valid for use only with Mittek connectors. This design is based upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

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Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585802
SUNBURY	HGRDB6	HIP	1	1	Job Reference (optional)	

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LOAD CASE(S) Standard

Concentrated Loads (lb)

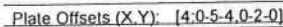
Vert: 13=-741(B) 12=-233(B) 11=-741(B) 16=-233(B) 17=-233(B)

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

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

REACTIONS (lb/size) 2=1329/0-4-0, 7=1329/0-4-0
Max Horz2=-121(LC 7)
Max Uplif2=-296(LC 6), 7=-296(LC 7)

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

NOTES

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

LOAD CASE(S) Standard



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December 27, 2007



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

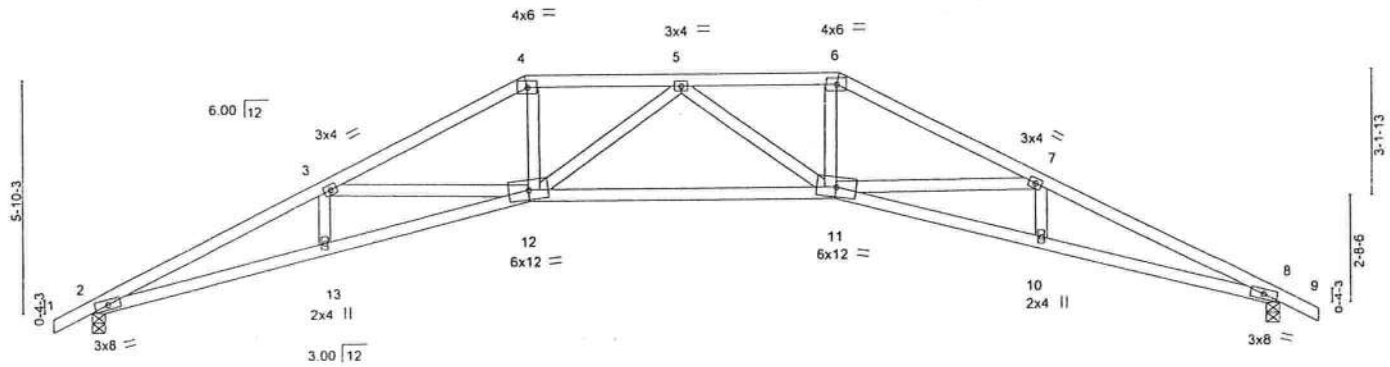
WARNING - Verify design parameters and READ NOTES ON THIS and INCLUDED WITHIN KITS FOR THIS DESIGN.

Design valid for use only with Miltek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANS/TP1 Quality Criteria, D38-89 and BC511 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A MilTek affiliate

818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585806
SUNBURY	HS2	SPECIAL	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, Florida						7.020 s Nov 9 2007 MiTek Industries, Inc. Thu Dec 27 10:02:56 2007 Page 1



5-10-11		11-1-8		18-10-8		24-1-5		30-0-0	
5-10-11		5-2-13		7-9-0		5-2-13		5-10-11	
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.46	Vert(LL)	-0.47 11-12	>755	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.95	Vert(TL)	-0.97 11-12	>368	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.27	Horz(TL)	0.59 8	n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)					Weight: 138 lb	

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

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

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

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

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

LOAD CASE(S) Standard



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December 27, 2007

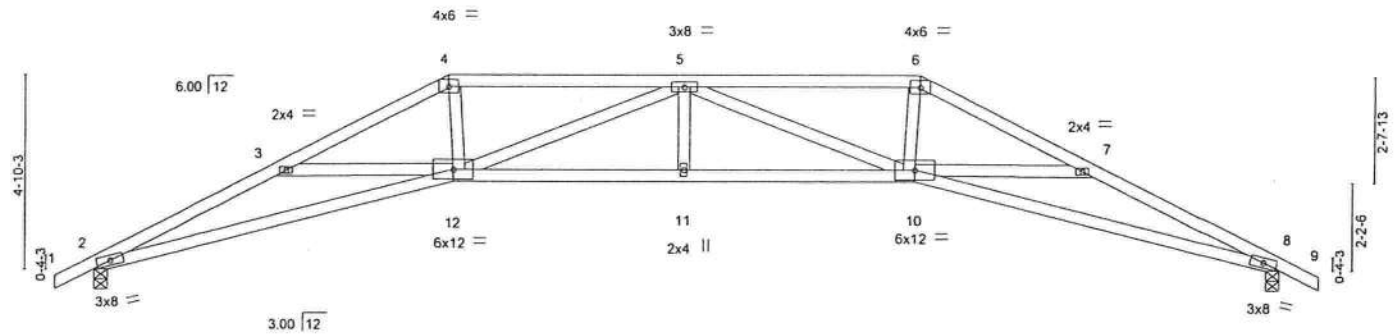
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 BEFORE USE.
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Job	Truss	Truss Type	Qty	Ply	SUNBURY_FLORIDA_125	E4585807
SUNBURY	HS3	SPECIAL	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, Florida

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

LUMBER

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

BRACING

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

REACTIONS

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

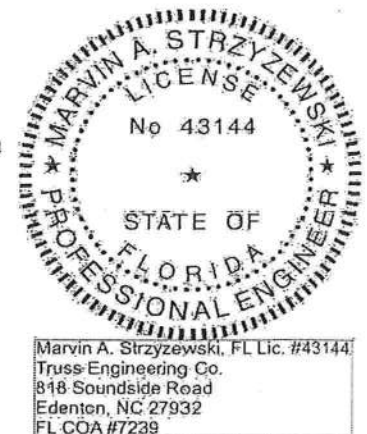
FORCES (lb) - Maximum Compression/Maximum Tension

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

NOTES

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

LOAD CASE(S) Standard



December 27, 2007

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