

APPLICANT TED BROCKPHONE 904 296-1490

ADDRESS 6800 SOUTH POINT PARKWAY #300JACKSONVILLEFL 32216

OWNER MARONDA HOMESPHONE 904 296-1490

ADDRESS 330 SW MULBERRY DRIVELAKE CITYFL 32024

CONTRACTOR TED BROCKPHONE 904 296-1490

LOCATION OF PROPERTY 90W, TL ON 247S, TR ON CR 252B, TL ON TIMBER RIDGE DR.,  
TL ON MULBERRY, 8TH LOT ON RIGHT

TYPE DEVELOPMENT SFD,UTILITYESTIMATED COST OF CONSTRUCTION 162600.00

HEATED FLOOR AREA 2827.00TOTAL AREA 3252.00HEIGHT 1STORIES 1

FOUNDATION CONCWALLS FRAMEDROOF PITCH 5/12FLOOR SLAB

LAND USE & ZONING RSF-2MAX. HEIGHT 26

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

NO. EX.D.U. 0FLOOD ZONE XDEVELOPMENT PERMIT NO.

PARCEL ID 10-4S-16-02856-131SUBDIVISION TIMBERLANDS

LOT 31BLOCKPHASEUNITTOTAL ACRES 0.50

000001739CBC1256382

Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor

CULVERT 09-337BKWRY

Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: MFE @ 93', ELEVATION CONFIRMATION LETTER REQUIRED AT SLAB,

NOC ON FILE

Check # or Cash 1001552

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 Insulation

date/app. by date/app. by

Rough-in plumbing above slab and below wood floor Electrical rough-in

date/app. by date/app. by

Heat & Air Duct Peri. beam (Lintel) Pool

date/app. by date/app. by date/app. by

Permanent power C.O. Final Culvert

date/app. by date/app. by date/app. by

Pump pole Utility Pole M/H tie downs, blocking, electricity and plumbing

date/app. by date/app. by date/app. by

Reconnection RV Re-roof

date/app. by date/app. by date/app. by

BUILDING PERMIT FEE \$ 815.00CERTIFICATION FEE \$ 16.26SURCHARGE FEE \$ 16.26

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

FLOOD DEVELOPMENT FEE \$FLOOD ZONE FEE \$ 25.00CULVERT FEE \$ 25.00TOTAL FEE 947.52

INSPECTORS OFFICECLERKS OFFICE

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

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

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

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



Columbia County Building Permit Application

1001552

31/1

|                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |                              |                              |                          |                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------|------------------------------|--------------------------|----------------------------|
| For Office Use Only                                                                                                                                                                                                                                                                                                                                                                                                                             |                      | Application # <u>0906-52</u> | Date Received _____          | By _____                 | Permit # <u>1739/27942</u> |
| Zoning Official <u>BLK</u>                                                                                                                                                                                                                                                                                                                                                                                                                      | Date <u>08.07.09</u> | Flood Zone <u>X</u>          | Land Use <u>RES. Low Den</u> | Zoning <u>RSF-2</u>      |                            |
| FEMA Map # <u>N/A</u>                                                                                                                                                                                                                                                                                                                                                                                                                           | Elevation <u>N/A</u> | MFE <u>93' plat</u>          | River <u>N/A</u>             | Plans Examiner <u>WU</u> | Date <u>7/6/09</u>         |
| Comments <u>Elevation Confirmation Letter Request at Stel</u>                                                                                                                                                                                                                                                                                                                                                                                   |                      |                              |                              |                          |                            |
| <input type="checkbox"/> NOC <input checked="" type="checkbox"/> EH <input checked="" type="checkbox"/> Deed or PA <input checked="" type="checkbox"/> Site Plan <input type="checkbox"/> State Road Info <input type="checkbox"/> Parent Parcel # _____<br><input type="checkbox"/> Dev Permit # _____ <input type="checkbox"/> In Floodway <input type="checkbox"/> Letter of Auth. from Contractor <input type="checkbox"/> F W Comp. letter |                      |                              |                              |                          |                            |
| IMPACT FEES: EMS _____                                                                                                                                                                                                                                                                                                                                                                                                                          |                      | Fire _____                   | Corr _____                   | Road/Code _____          |                            |
| School _____                                                                                                                                                                                                                                                                                                                                                                                                                                    |                      | = TOTAL <u>Suspended</u>     |                              |                          |                            |

Septic Permit No. \_\_\_\_\_ Fax (904) 332-6375

Name Authorized Person Signing Permit TEO BROCK / ROGER BONIFANT Phone (904) 296-1490

Address 6800 SOUTH POINT PKWY #300 JAX. FL 32216

Owners Name MARONDA HOMES INC. OF FL Phone 904-296-1490

911 Address 330 SW MULBERRY DR. LAKE CITY FL 32024

Contractors Name THEODORE C. BROCK Phone 904-296-1490

Address 6800 SOUTHPOINT PKWY #300 JAX. 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, 32771

Mortgage Lenders Name & Address BANK OF AMERICA 250 PARK AVE. S #400 WINTER PARK FL 32789

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

Property ID Number 10-45-16-02856-131 Estimated Cost of Construction \$126,810

Subdivision Name TIMBERLANDS Lot 31/ Block    Unit    Phase 1

Driving Directions HWY 90, LEFT ON 247 SOUTH, RIGHT ON 252 B, LEFT ON TIMBER RIDGE DR. TURN LEFT ON TO SW MULBERRY DR. 8th LOT ON RIGHT

Number of Existing Dwellings on Property 0

Construction of RESIDENTIAL SINGLE FAMILY Total Acreage 0.5 Lot Size 136x160

Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 26'

Actual Distance of Structure from Property Lines - Front 26' Side 48' Side 48' Rear 85' 3"

Number of Stories 2 Heated Floor Area 2827 Total Floor Area 3252 Roof Pitch 5/12

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

# 947.52 Email 7/8/09

Page 1 of 2 (Both Pages must be submitted together.) Revised 1-10-08



**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**

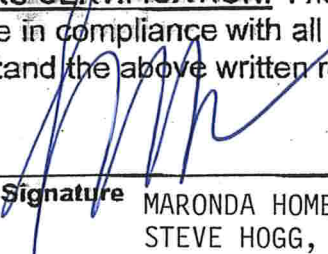
According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects 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**  MARONDA HOMES, INC. OF FLORIDA  
STEVE HOGG, V.P.

**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.

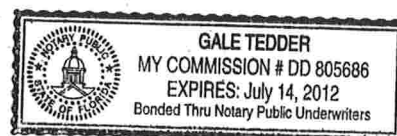
 6.25.09  
**Contractor's Signature (Permitee)**  
THEODORE BROCK

**Contractor's License Number** CBC1256382  
**Columbia County**  
**Competency Card Number** \_\_\_\_\_

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 25th day of June 2009  
Personally known ☒ or Produced Identification \_\_\_\_\_

  
**State of Florida Notary Signature (For the Contractor)**

SEAL:





6-18-09 8:27AM; ENVIRONMENTAL

3867562187

# 2 / 2

05/27/2009 13:30 3867550401

MARONDAHOMES

#1166 2.004 /007



STATE OF FLORIDA  
DEPARTMENT OF HEALTH

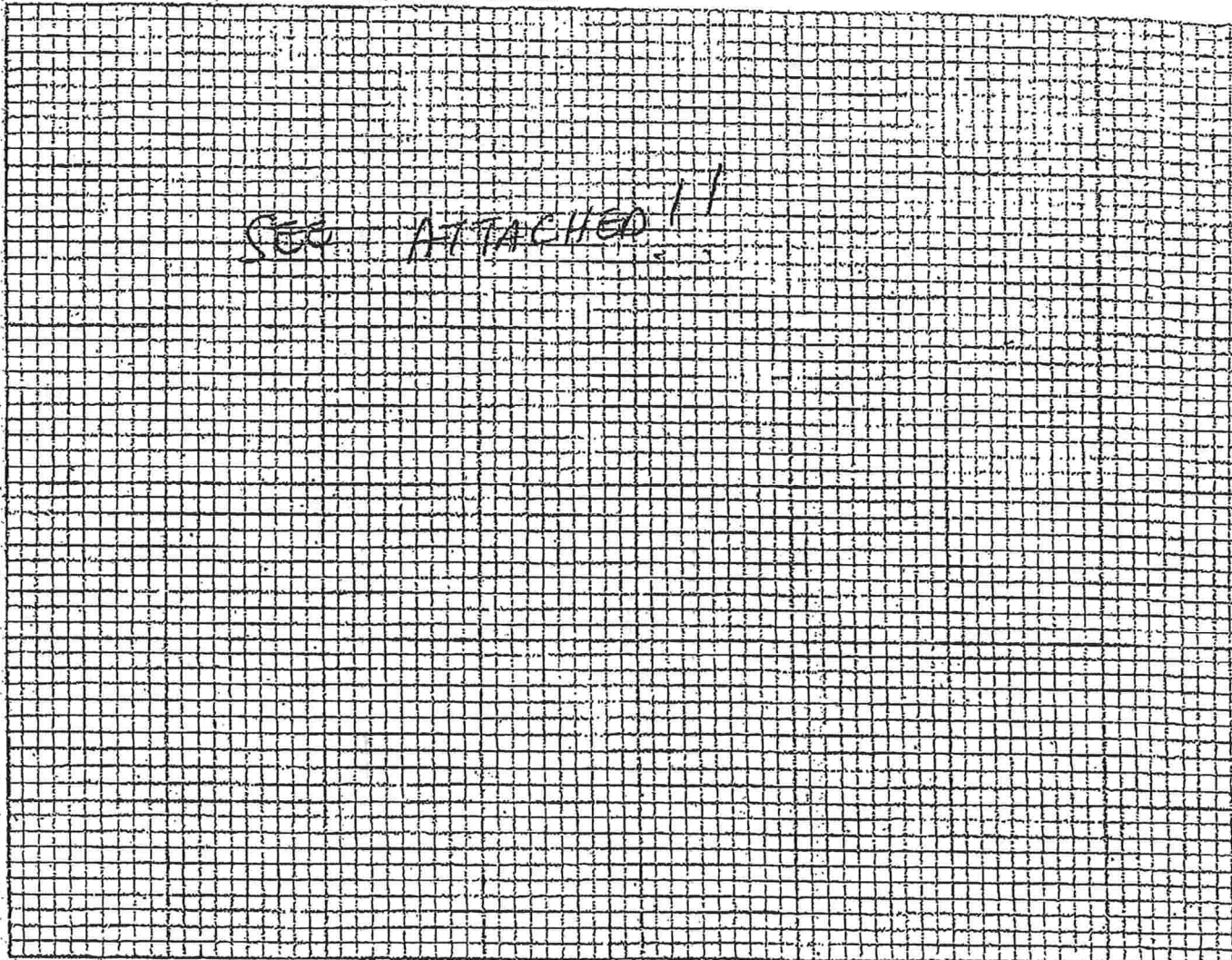
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number

D9-0337

PART II - SITE PLAN

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



Notes:

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\*Site Plan submitted by: [Signature]

Signature

\*6-18-09

Title

Plan Approved ☒ Not Approved

Date 6/25/9

By [Signature] **APPROVED**

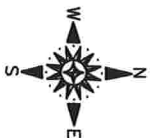
**Columbia CHD**

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT



LOT THIRTY-ONE (31) OF "TIMBERLANDS" AS PER  
PLAY THEREOF AS RECORDED IN PLAT BOOK '9'.  
PAGE 27 OF THE PUBLIC RECORDS OF COLUMBIA  
COUNTY, FLORIDA



## PROPOSED BUILDING LAYOUT:

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

**CERTIFIED TO:**

7) MARONDA HOMES

**BUILDING SETBACK NOTE:**

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

**BENCHMARK NOTE:**

ELEVATIONS SHOWN HEREON ARE BASED UPON A BENCHMARK SET IN A 6" PINE AT THE FRONT OF LOT 2, WITH AN ELEVATION OF 98.76'. THIS INFORMATION WAS PROVIDED TO THIS SURVEYOR BY BRITT SURVEYING (PLATTING SURVEYOR) DATUM UNKNOWN.

**SURVEYOR NOTES:**

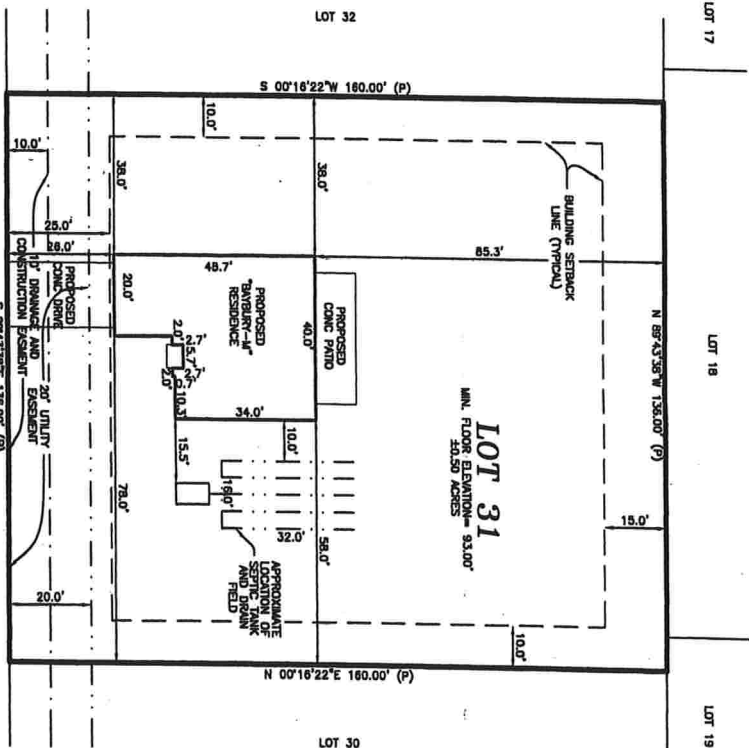
- 1) TO THE BEST OF MY KNOWLEDGE, THERE ARE NO ENCROACHMENTS, BOUNDARY LINE DISPUTES, EASEMENTS, OR CLAIMS OF EASEMENTS, OTHER THAN AS DEPICTED ON THIS DRAWING.
- 2) ALL UTILITIES AND/OR IMPROVEMENTS, IF ANY, MAY NOT BE SHOWN ON THIS DRAWING.
- 3) IN THE OPINION OF THIS SURVEYOR THE LOCATION OF SHOWN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

## FLOOD NOTES:

IN THE OPINION OF THIS SURVEYOR, ACCORDING TO THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 1200707-0175-B, DATED 1-6-88, THIS PROPERTY IS IN FLOOD ZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE 500-YEAR FLOOD PLAIN, AS SCALED FROM SUD MAP. INFORMATION FROM THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP, DATED 1-6-88, DOES NOT SHOW ON THIS MAP WAS CURRENT AS OF THE REFERENCE DATE. MAP REVISIONS AND AMENDMENTS ARE PERIODICALLY MADE BY LETTER AND MAY NOT BE REFLECTED ON THE MOST CURRENT MAP.

### TITLE NOTE

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



THIS IS NOT A BOUNDARY SURVEY  
CERTIFICATE OF SURVEYOR:

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

1 HERSEY CENTURY THAT THE SURVEY DATA SHOWN HEREON, IS A  
2 PARTIAL REPRESENTATION OF A SURVEY PERFORMED UNDER  
3 AN ASSIGNMENT OF THE HERSEY DESCRIBED PROPERTY, AND IT  
4 THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA  
5 BOARD OF LAND SURVEYORS, PURSUANT TO SECTION 472.027, FLORIDA  
6 STATUTES, AND CHAPTER 61G-01, FLORIDA ADMINISTRATIVE CODE.

BY: James E. Brinkley  
JAMES E. BRINKLEY, PLSM - FLA. CERT# 5562  
DATE: 6/23/09

DATE: 6/23/09

DATE: 6/23/09

**BRINKMAN SURVEYING & MAPPING INC.**  
4607 NW 6th STREET SUITE C, GAINESVILLE, FL 32609

PHONE: (352) 574-7707 FAX: (352) 574-8757

[illegible]

SCALE: 1 = 30

**"THE BENCHMARK IN QUALITY SERVICE"**

|                 |       |
|-----------------|-------|
| DATE: 5/28/2009 | CHIEF |
|-----------------|-------|

FIELD WORK COMPLETED ON  FIELDBOOK , PAGE 

NAME \_\_\_\_\_

UNCLASSIFIED  
081-

1

17

1.757/9

# Big

10

100





RTN: CARL

6/25/07

**LOT 31 - TIMBERLANDS**  
**FROM: MELISSA BOONFE**

This Instrument Prepared by and Return to:

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

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

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

R02856-000

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

File No: JX0812085

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

Doc Stamp-Deed: 6293.00

24 DG, P. DeWitt Cason, Columbia County Page 1 of 1 8:1151 P-2385

**WARRANTY DEED**  
 (CORPORATION)

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

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

\$899,000.00

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

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

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

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

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

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

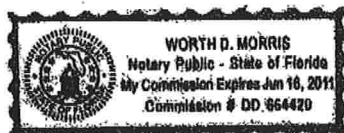
BY:

ROBERT R. LARDIZABAL, PRESIDENT

STATE OF FLORIDA  
 COUNTY OF DUVAL

The foregoing instrument was acknowledged before me this 28<sup>th</sup> 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




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One of the most important parts of framing walls is getting the rough openings right. Items that determine what the height of One of the most important parts of framing walls is getting the rough openings right. Items that determine what the height of your opening will be are floor finishes and the use of underlayment. Door widths will stay constant with the size of a standard door.

In new construction most doors are hung after the floors are installed. This allows flooring contractors (tile, hardwood, vinyl, laminate) to lay their flooring products without making tricky cuts around door jambs. It also makes for a neat and clean door installation. Exceptions to this are carpeted floors. Doors are hung before the carpeting is laid. When doors are hung in carpeted areas, its a good idea to shim them up 1/2", putting a shim under each jamb leg. This eliminates the need to cut the doors down after the carpet is installed.

For a 6' 8" high door (80 inches) I like to frame my rough opening height at 82 3/4". This allows room for all the situations mentioned above. If your header material is a double 2x12, holding it to the top plate will give you that height.

Rough openings for door widths are pretty much standard. The rough opening width is 2 inches wider than the door itself. this allows room for the door jambs which are usually 3/4" thick. This gives you approximately 1/2" of play and shim room when installing a prehung door. For a 36" door (3' 0") the rough opening width would be 38". Here are the most common door sizes and their rough openings.

**Door Size Rough Opening Size**

2' 0" x 6'8" -26" x 82 3/4"

2' 2" x 6'8" -28" x 82 3/4"

2' 4" x 6'8" -30" x 82 3/4"

2' 6" x 6'8" -32" x 82 3/4"

2' 8" x 6'8" -34" x 82 3/4"



Doors  
RSS Feed: 

2' 10"x 6'8" -36" x 82 3/4"

3' 0" x 6'8" -38" x 82 3/4"

To figure the rough opening for double doors or french doors, take the door size times 2 and add 2". The most common sizes for exterior doors are the 2'8" and the 3'0" doors. The 2'8" is usually used for the back door and the access door from the garage. That size door for exterior use is being used less these days because of the size of appliances and furniture. Exterior doors with sidelights and sliding patio doors rough openings vary from manufacturer to manufacturer. These should be verified and gotten from the supplier.

Getting the rough openings right the first time keeps the sawzall in its carrying case and having to change the opening after the walls are drywalled and painted.

Mike Merisko (c) 2006

[www.sawkerfs.com](http://www.sawkerfs.com)

About the Author: Mike Merisko has been a carpenter for 26 years. Most of those years were spent in the homebuilding and remodeling industries. He was also in business as a carpentry and general contractor. While that is his forte, he also has experience in bridge building, commercial construction, and exhibit building which is how he earns his living these days. You can browse through articles by him and others at his website <http://www.sawkerfs.com> or visit his blog at <http://www.sawkerfs.blogspot.com>

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3. [Garage Door Safety - Fifteen Simple Steps to Protect Your Family](#)
4. [Freshen Up Your Space With Satin Nickel Door Knobs](#)
5. [Steel Door - A High Quality and Elegant Door Material](#)
6. [Choosing the Right Door](#)
7. [Interior Sliding Glass Doors For Modern Design and Functionality](#)
8. [Home Improvement - Use Door Handles to Pull it Together](#)
9. [The Difference Between Single and Multi-Point Electronic Door Closers](#)
10. [Door Knobs and Door Handles](#)
11. [Sliding Door - Best Door For Less Space](#)
12. [Insulated Pet Doors](#)
13. [Replacing the Garage Door](#)
14. [Door Hinges - Quality Equals Longevity](#)
15. [Improve the Entrance of Your Home](#)

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Merisko, Mike "Rough Openings For Doors." *Rough Openings For Doors*. 13 Aug. 2006. *EzineArticles.com*. 1 Jul 2009 <<http://ezinearticles.com/?Rough-Openings-For-Doors&id=267777>>.
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Merisko, M. (2006, August 13). *Rough Openings For Doors*. Retrieved July 1, 2009, from <http://ezinearticles.com/?Rough-Openings-For-Doors&id=267777>



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Merisko, Mike "Rough Openings For Doors." *Rough Openings For Doors EzineArticles.com*. <http://ezinearticles.com/?Rough-Openings-For-Doors&id=267777>
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For composite decking board 20' long the price is \$1.50 per foot or \$30.00 per board.

Floating dock 20' X 8' (96") board width is 5 & 1/2" =  $96 / 5 \frac{1}{2} = 17.45$  or 18 boards @ \$30.00 per board times 18 boards = \$ 540.00 + 7% sale tax = 37.80 = 577.80

For PT wood boards 16' long the price is \$8.97 per board. 20 boards will be needed.

20X \$8.97=\$179.40 + sale tax \$12.56 =\$191.96

Catwalk to river is 75' Long 5' wide using 12' PT Boards

$75' = 900" / 5" = 180$  total boards / 2 = 90 (12' boards) @ \$5.57= \$501.30 + 7% sale tax= \$36.00 = \$537.30

Using PT lumber

Dock & Catwalk \$ 729.26

**FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION**

## Florida Department of Community Affairs Residential Performance Method A

Project Name: BAYBURY M- GAINESVILLE  
 Street:  
 City, State, Zip: , FL ,  
 Owner:  
 Design Location: FL, Gainesville

Builder Name: MARONDA HOMES  
 Permit Office: *Columbia*  
 Permit Number: *27942*  
 Jurisdiction: *221000*

|                                              |                  |                         |
|----------------------------------------------|------------------|-------------------------|
| 1. New construction or existing              | New (From Plans) |                         |
| 2. Single family or multiple family          | Single-family    |                         |
| 3. Number of units, if multiple family       | 2                |                         |
| 4. Number of Bedrooms                        | 4                |                         |
| 5. Is this a worst case?                     | Yes              |                         |
| 6. Conditioned floor area (ft <sup>2</sup> ) | 2827             |                         |
| 7. Windows                                   | Description      | Area                    |
| a. U-Factor:                                 | Dbl, U=0.60      | 246.00 ft <sup>2</sup>  |
| SHGC:                                        | SHGC=0.32        |                         |
| b. U-Factor:                                 | N/A              | ft <sup>2</sup>         |
| SHGC:                                        |                  |                         |
| c. U-Factor:                                 | N/A              | ft <sup>2</sup>         |
| SHGC:                                        |                  |                         |
| d. U-Factor:                                 | N/A              | ft <sup>2</sup>         |
| SHGC:                                        |                  |                         |
| e. U-Factor:                                 | N/A              | ft <sup>2</sup>         |
| SHGC:                                        |                  |                         |
| 8. Floor Types                               | Insulation       | Area                    |
| a. Slab-On-Grade Edge Insulation             | R=0.0            | 1232.00 ft <sup>2</sup> |
| b. Floor over Garage                         | R=19.0           | 410.00 ft <sup>2</sup>  |
| c. other                                     | R=               | 80.00 ft <sup>2</sup>   |

|                                                                         |                 |                         |
|-------------------------------------------------------------------------|-----------------|-------------------------|
| 9. Wall Types                                                           | Insulation      | Area                    |
| a. Frame - Wood, Exterior                                               | R=13.0          | 1328.00 ft <sup>2</sup> |
| b. Concrete Block - Int Insul, Exterior                                 | R=4.1           | 976.00 ft <sup>2</sup>  |
| c. Frame - Wood, Adjacent                                               | R=13.0          | 192.00 ft <sup>2</sup>  |
| d. N/A                                                                  | R=              | ft <sup>2</sup>         |
| 10. Ceiling Types                                                       | Insulation      | Area                    |
| a. Under Attic (Vented)                                                 | R=30.0          | 1722.00 ft <sup>2</sup> |
| b. N/A                                                                  | R=              | ft <sup>2</sup>         |
| c. N/A                                                                  | R=              | ft <sup>2</sup>         |
| 11. Ducts                                                               |                 |                         |
| a. Sup: Attic Ret: Interior AH: Interior Sup. R= 6, 400 ft <sup>2</sup> |                 |                         |
| 12. Cooling systems (combined)                                          |                 |                         |
| a. Central Unit                                                         | Cap: 65 kBtu/hr |                         |
|                                                                         | SEER: 14        |                         |
| 13. Heating systems (combined)                                          |                 |                         |
| a. Electric Heat Pump                                                   | Cap: 64 kBtu/hr |                         |
|                                                                         | HSPF: 8.2       |                         |
| 14. Hot water systems                                                   |                 |                         |
| a. Electric                                                             | Cap: 50 gallons |                         |
|                                                                         | EF: 0.93        |                         |
| b. Conservation features                                                |                 |                         |
| None                                                                    |                 |                         |
| 15. Credits                                                             |                 | CV, Pstat               |

Glass/Floor Area: 0.087

Total As-Built Modified Loads: 46.39

Total Baseline Loads: 65.32

**PASS**

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

*KENNETH WAYNE CAMPBELL*  
 PREPARED BY: \_\_\_\_\_  
 DATE: *02/16/09*

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

*KENNETH WAYNE CAMPBELL*  
 OWNER/AGENT: \_\_\_\_\_  
 DATE: *02/16/09*

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: \_\_\_\_\_

- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with N1110.A.3.



## PROJECT

|                                |                        |                              |
|--------------------------------|------------------------|------------------------------|
| Title: BAYBURY M- GAINESVILLE  | Bedrooms: 4            | Address Type: Street Address |
| Building Type: FLAsBuilt       | Bathrooms: 2.5         | Lot #                        |
| Owner:                         | Conditioned Area: 2827 | SubDivision:                 |
| # of Units: 2                  | Total Stories: 2       | PlatBook:                    |
| Builder Name: MARONDA HOMES    | Worst Case: Yes        | Street:                      |
| Permit Office:                 | Rotate Angle: 315      | County: ALACHUA              |
| Jurisdiction:                  | Cross Ventilation: Yes | City, State, Zip: , FL ,     |
| Family Type: Single-family     | Whole House Fan: No    |                              |
| New/Existing: New (From Plans) |                        |                              |
| Comment:                       |                        |                              |

## CLIMATE

| ✓     | Design Location | TMY Site            | IECC Zone | Design Temp 97.5 % | Design Temp 2.5 % | Int Design Temp Winter | Int Design Temp Summer | Heating Degree Days | Design Moisture | Daily Temp Range |
|-------|-----------------|---------------------|-----------|--------------------|-------------------|------------------------|------------------------|---------------------|-----------------|------------------|
| _____ | FL, Gainesville | FL_GAINESVILLE_REGI | 2         | 32                 | 92                | 75                     | 70                     | 1305.5              | 51              | Medium           |

## FLOORS

| ✓     | # | Floor Type                   | Perimeter | Perimeter R-Value | Area     | Joist R-Value | Tile | Wood | Carpet |
|-------|---|------------------------------|-----------|-------------------|----------|---------------|------|------|--------|
| _____ | 1 | Slab-On-Grade Edge Insulatio | 149 ft    | 0                 | 1232 ft² |               | 0    | 0.25 | 0.75   |
| _____ | 2 | Floor over Garage            |           |                   | 410 ft²  | 19            | 0    | 0    | 1      |
| _____ | 3 | Raised Floor                 |           |                   | 80 ft²   | 19            | 0    | 0    | 1      |

## ROOF

| ✓     | # | Type | Materials            | Roof Area | Gable Area | Roof Color | Solar Absor. | Tested | Deck Insul. | Pitch    |
|-------|---|------|----------------------|-----------|------------|------------|--------------|--------|-------------|----------|
| _____ | 1 | Hip  | Composition shingles | 1926 ft²  | 0 ft²      | Medium     | 0.96         | No     | 0           | 26.6 deg |

## ATTIC

| ✓     | # | Type       | Ventilation | Vent Ratio (1 in) | Area     | RBS | IRCC |
|-------|---|------------|-------------|-------------------|----------|-----|------|
| _____ | 1 | Full attic | Vented      | 150               | 1722 ft² | N   | N    |

## CEILING

| ✓     | # | Ceiling Type         | R-Value | Area     | Framing Frac | Truss Type |
|-------|---|----------------------|---------|----------|--------------|------------|
| _____ | 1 | Under Attic (Vented) | 30      | 1722 ft² | 0.11         | Wood       |

## WALLS

| ✓     | # | Ornt | Adjacent To | Wall Type                  | Cavity R-Value | Area    | Sheathing R-Value | Framing Fraction | Solar Absor. |
|-------|---|------|-------------|----------------------------|----------------|---------|-------------------|------------------|--------------|
| _____ | 1 | N    | Exterior    | Concrete Block - Int Insul | 4.1            | 160 ft² | 0                 | 0                | 0.75         |
| _____ | 2 | E    | Exterior    | Concrete Block - Int Insul | 4.1            | 272 ft² | 0                 | 0                | 0.75         |
| _____ | 3 | S    | Exterior    | Concrete Block - Int Insul | 4.1            | 320 ft² | 0                 | 0                | 0.75         |
| _____ | 4 | W    | Exterior    | Concrete Block - Int Insul | 4.1            | 224 ft² | 0                 | 0                | 0.75         |
| _____ | 5 | N    | Exterior    | Frame - Wood               | 13             | 320 ft² | 0                 | 0.23             | 0.75         |
| _____ | 6 | E    | Exterior    | Frame - Wood               | 13             | 288 ft² | 0                 | 0.23             | 0.75         |

### WALLS

| ✓ | # | Ornt | Adjacent To | Wall Type    | Cavity R-Value | Area    | Sheathing R-Value | Framing Fraction | Solar Absor. |
|---|---|------|-------------|--------------|----------------|---------|-------------------|------------------|--------------|
| ✓ | 7 | S    | Exterior    | Frame - Wood | 13             | 320 ft² | 0                 | 0.23             | 0.75         |
| ✓ | 8 | W    | Exterior    | Frame - Wood | 13             | 400 ft² | 0                 | 0.23             | 0.75         |
| ✓ | 9 | N    | Garage      | Frame - Wood | 13             | 192 ft² |                   | 0.23             | 0.01         |

### DOORS

| ✓ | # | Ornt | Door Type | Storms | U-Value | Area   |
|---|---|------|-----------|--------|---------|--------|
| ✓ | 1 | N    | Insulated | None   | 0.4     | 20 ft² |
| ✓ | 2 | N    | Insulated | None   | 0.4     | 18 ft² |

### WINDOWS

Window orientation below is as entered. Actual orientation is modified by rotate angle shown in "Project" section above.

| ✓ | #  | Ornt | Frame | Panes        | NFRC | U-Factor | SHGC | Storms | Area     | Overhang  |            | Int Shade | Screening |
|---|----|------|-------|--------------|------|----------|------|--------|----------|-----------|------------|-----------|-----------|
|   |    |      |       |              |      |          |      |        |          | Depth     | Separation |           |           |
| ✓ | 1  | N    | Metal | Low-E Double | Yes  | 0.6      | 0.32 | N      | 12.5 ft² | 1 ft 0 in | 1 ft 0 in  | HERS 2006 | None      |
| ✓ | 2  | N    | Metal | Low-E Double | Yes  | 0.6      | 0.32 | N      | 12.5 ft² | 1 ft 0 in | 1 ft 0 in  | HERS 2006 | None      |
| ✓ | 3  | N    | Metal | Low-E Double | Yes  | 0.6      | 0.32 | N      | 12.5 ft² | 1 ft 0 in | 1 ft 0 in  | HERS 2006 | None      |
| ✓ | 4  | N    | Metal | Low-E Double | Yes  | 0.6      | 0.32 | N      | 24 ft²   | 3 ft 0 in | 3 ft 0 in  | HERS 2006 | None      |
| ✓ | 5  | N    | Metal | Low-E Double | Yes  | 0.6      | 0.32 | N      | 10 ft²   | 1 ft 0 in | 12 ft 0 in | HERS 2006 | None      |
| ✓ | 6  | N    | Metal | Low-E Double | Yes  | 0.6      | 0.32 | N      | 12.5 ft² | 1 ft 0 in | 12 ft 0 in | HERS 2006 | None      |
| ✓ | 7  | W    | Metal | Low-E Double | Yes  | 0.6      | 0.32 | N      | 20 ft²   | 1 ft 0 in | 10 ft 0 in | HERS 2006 | None      |
| ✓ | 8  | S    | Metal | Low-E Double | Yes  | 0.6      | 0.32 | N      | 16 ft²   | 1 ft 0 in | 1 ft 0 in  | HERS 2006 | None      |
| ✓ | 9  | S    | Metal | Low-E Double | Yes  | 0.6      | 0.32 | N      | 16 ft²   | 1 ft 0 in | 1 ft 0 in  | HERS 2006 | None      |
| ✓ | 10 | S    | Metal | Low-E Double | Yes  | 0.6      | 0.32 | N      | 24 ft²   | 1 ft 0 in | 10 ft 0 in | HERS 2006 | None      |
| ✓ | 11 | S    | Metal | Low-E Double | Yes  | 0.6      | 0.32 | N      | 40 ft²   | 1 ft 0 in | 10 ft 0 in | HERS 2006 | None      |
| ✓ | 12 | S    | Metal | Low-E Double | Yes  | 0.6      | 0.32 | N      | 10 ft²   | 1 ft 0 in | 1 ft 0 in  | HERS 2006 | None      |
| ✓ | 13 | S    | Metal | Low-E Double | Yes  | 0.6      | 0.32 | N      | 20 ft²   | 1 ft 0 in | 1 ft 0 in  | HERS 2006 | None      |
| ✓ | 14 | W    | Metal | Low-E Double | Yes  | 0.6      | 0.32 | N      | 16 ft²   | 1 ft 0 in | 1 ft 0 in  | HERS 2006 | None      |

### INFILTRATION & VENTING

| ✓ | Method  | SLA     | CFM 50 | ACH 50 | ELA   | EqLA  | ---- Forced Ventilation ---- |             | Run Time | Fan   |
|---|---------|---------|--------|--------|-------|-------|------------------------------|-------------|----------|-------|
|   |         |         |        |        |       |       | Supply CFM                   | Exhaust CFM | Fraction | Watts |
| ✓ | Default | 0.00036 | 2669   | 7.08   | 146.6 | 275.6 | 0 cfm                        | 0 cfm       | 0        | 0     |

### GARAGE

| ✓ | # | Floor Area | Ceiling Area | Exposed Wall Perimeter | Avg. Wall Height | Exposed Wall Insulation |
|---|---|------------|--------------|------------------------|------------------|-------------------------|
| ✓ | 1 | 410 ft²    | 0 ft²        | 23 ft                  | 8 ft             | 13                      |

### COOLING SYSTEM

| ✓     | # | System Type  | Subtype | Efficiency | Capacity   | Air Flow | SHR  | Ductless |
|-------|---|--------------|---------|------------|------------|----------|------|----------|
| _____ | 1 | Central Unit | None    | SEER: 14   | 35 kBtu/hr | 1050 cfm | 0.78 | False    |
| _____ | 2 | Central Unit | None    | SEER: 14   | 30 kBtu/hr | 900 cfm  | 0.74 | False    |

### HEATING SYSTEM

| ✓     | # | System Type        | Subtype | Efficiency | Capacity   | Ductless |
|-------|---|--------------------|---------|------------|------------|----------|
| _____ | 1 | Electric Heat Pump | None    | HSPF: 8.2  | 34 kBtu/hr | False    |
| _____ | 2 | Electric Heat Pump | None    | HSPF: 8.2  | 30 kBtu/hr | False    |

### HOT WATER SYSTEM

| ✓     | # | System Type | EF   | Cap    | Use    | SetPnt  | Conservation |
|-------|---|-------------|------|--------|--------|---------|--------------|
| _____ | 1 | Electric    | 0.93 | 50 gal | 70 gal | 120 deg | None         |

### SOLAR HOT WATER SYSTEM

| ✓     | FSEC<br>Cert # | Company Name | System Model # | Collector Model # | Collector<br>Area | Storage<br>Volume | FEF |
|-------|----------------|--------------|----------------|-------------------|-------------------|-------------------|-----|
| _____ | None           | None         |                |                   | ft²               |                   |     |

### DUCTS

| ✓     | # | Location | Supply<br>R-Value | Area    | Location | Return<br>Area | Leakage Type    | Air<br>Handler | CFM 25 | Percent<br>Leakage | QN | RLF |
|-------|---|----------|-------------------|---------|----------|----------------|-----------------|----------------|--------|--------------------|----|-----|
| _____ | 1 | Attic    | 6                 | 400 ft² | Interior | 20 ft²         | Default Leakage | Interior       |        |                    |    |     |

### TEMPERATURES

|                                          |                                         |                                         |                                         |                                         |                                         |                                         |                                         |                                         |                                         |                                         |                                         |                                         |          |
|------------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|----------|
| Programable Thermostat: Y                |                                         | Ceiling Fans:                           |                                         |                                         |                                         |                                         |                                         |                                         |                                         |                                         |                                         |                                         |          |
| Cooling                                  | <input checked="" type="checkbox"/> Jan | <input checked="" type="checkbox"/> Feb | <input checked="" type="checkbox"/> Mar | <input checked="" type="checkbox"/> Apr | <input checked="" type="checkbox"/> May | <input checked="" type="checkbox"/> Jun | <input checked="" type="checkbox"/> Jul | <input checked="" type="checkbox"/> Aug | <input checked="" type="checkbox"/> Sep | <input checked="" type="checkbox"/> Oct | <input checked="" type="checkbox"/> Nov | <input checked="" type="checkbox"/> Dec |          |
| Heating                                  | <input checked="" type="checkbox"/> Jan | <input checked="" type="checkbox"/> Feb | <input checked="" type="checkbox"/> Mar | <input checked="" type="checkbox"/> Apr | <input checked="" type="checkbox"/> May | <input checked="" type="checkbox"/> Jun | <input checked="" type="checkbox"/> Jul | <input checked="" type="checkbox"/> Aug | <input checked="" type="checkbox"/> Sep | <input checked="" type="checkbox"/> Oct | <input checked="" type="checkbox"/> Nov | <input checked="" type="checkbox"/> Dec |          |
| Venting                                  | <input checked="" type="checkbox"/> Jan | <input checked="" type="checkbox"/> Feb | <input checked="" type="checkbox"/> Mar | <input checked="" type="checkbox"/> Apr | <input checked="" type="checkbox"/> May | <input checked="" type="checkbox"/> Jun | <input checked="" type="checkbox"/> Jul | <input checked="" type="checkbox"/> Aug | <input checked="" type="checkbox"/> Sep | <input checked="" type="checkbox"/> Oct | <input checked="" type="checkbox"/> Nov | <input checked="" type="checkbox"/> Dec |          |
| Thermostat Schedule: HERS 2006 Reference |                                         |                                         |                                         |                                         |                                         |                                         |                                         |                                         |                                         |                                         |                                         |                                         |          |
| Schedule Type                            |                                         | 1                                       | 2                                       | 3                                       | 4                                       | 5                                       | 6                                       | 7                                       | 8                                       | 9                                       | 10                                      | 11                                      | 12       |
| Cooling (WD)                             | AM<br>PM                                | 78<br>80                                | 78<br>80                                | 78<br>78                                | 78<br>78                                | 78<br>78                                | 78<br>78                                | 78<br>78                                | 78<br>78                                | 80<br>78                                | 80<br>78                                | 80<br>78                                | 80<br>78 |
| Cooling (WEH)                            | AM<br>PM                                | 78<br>78                                | 78<br>78                                | 78<br>78                                | 78<br>78                                | 78<br>78                                | 78<br>78                                | 78<br>78                                | 78<br>78                                | 78<br>78                                | 78<br>78                                | 78<br>78                                | 78<br>78 |
| Heating (WD)                             | AM<br>PM                                | 66<br>68                                | 66<br>68                                | 66<br>68                                | 66<br>68                                | 66<br>68                                | 68<br>68                                | 68<br>68                                | 68<br>68                                | 68<br>68                                | 68<br>68                                | 68<br>66                                | 68<br>66 |
| Heating (WEH)                            | AM<br>PM                                | 66<br>68                                | 66<br>68                                | 66<br>68                                | 66<br>68                                | 66<br>68                                | 68<br>68                                | 68<br>68                                | 68<br>68                                | 68<br>68                                | 68<br>68                                | 68<br>66                                | 68<br>66 |



# Code Compliance Checklist

## Residential Whole Building Performance Method A - Details

ADDRESS:

, FL,

PERMIT #:

**INFILTRATION REDUCTION COMPLIANCE CHECKLIST**

| COMPONENTS                    | SECTION        | REQUIREMENTS FOR EACH PRACTICE                                                                                                                                                                                                                                                                                                                                                                                            | CHECK |
|-------------------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Exterior Windows & Doors      | N1106.AB.1.1   | Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.                                                                                                                                                                                                                                                                                                                                                              |       |
| Exterior & Adjacent Walls     | N1106.AB.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.<br>EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate. |       |
| Floors                        | N1106.AB.1.2.2 | Penetrations/openings > 1/8" sealed unless backed by truss or joint members.<br>EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.                                                                                                                                                                                                     |       |
| Ceilings                      | N1106.AB.1.2.3 | Between walls & ceilings; penetrations of ceiling plane to top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access.<br>EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.                                                                     |       |
| Recessed Lighting Fixtures    | N1106.AB.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 with < 2.0 cfm from conditioned space, tested.                                                                                                                                                                                                                 |       |
| Multi-story Houses            | N1106.AB.1.2.5 | Air barrier on perimeter of floor cavity between floors.                                                                                                                                                                                                                                                                                                                                                                  |       |
| Additional Infiltration reqts | N1106.AB.1.3   | Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.                                                                                                                                                                                                                                                                                                                 |       |

**OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)**

| COMPONENTS               | SECTION                   | REQUIREMENTS                                                                                                                                                                                                                              | CHECK |
|--------------------------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Water Heaters            | N1112.AB.3                | Comply with efficiency requirements in Table N112.ABC.3. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.                                                   |       |
| Swimming Pools & Spas    | N1112.AB.2.3              | 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%. Heat pump pool heaters shall have a minimum COP of 4.0.    |       |
| Shower heads             | N1112.AB.2.4              | Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.                                                                                                                                                          |       |
| Air Distribution Systems | N1110.AB                  | All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of Section N1110.AB.<br>Ducts in unconditioned attics: R-6 min. insulation. |       |
| HVAC Controls            | N1107.AB.2                | Separate readily accessible manual or automatic thermostat for each system.                                                                                                                                                               |       |
| Insulation               | N1104.AB.1<br>N1102.B.1.1 | 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 INDEX\* = 71

The lower the EnergyPerformance Index, the more efficient the home.

|                                              |                  |                         |                                                                         |                 |                         |
|----------------------------------------------|------------------|-------------------------|-------------------------------------------------------------------------|-----------------|-------------------------|
| 1. New construction or existing              | New (From Plans) |                         | 9. Wall Types                                                           | Insulation      | Area                    |
| 2. Single family or multiple family          | Single-family    |                         | a. Frame - Wood, Exterior                                               | R=13.0          | 1328.00 ft <sup>2</sup> |
| 3. Number of units, if multiple family       | 2                |                         | b. Concrete Block - Int Insul, Exterior                                 | R=4.1           | 976.00 ft <sup>2</sup>  |
| 4. Number of Bedrooms                        | 4                |                         | c. Frame - Wood, Adjacent                                               | R=13.0          | 192.00 ft <sup>2</sup>  |
| 5. Is this a worst case?                     | Yes              |                         | d. N/A                                                                  | R=              | ft <sup>2</sup>         |
| 6. Conditioned floor area (ft <sup>2</sup> ) | 2827             |                         | 10. Ceiling Types                                                       | Insulation      | Area                    |
| 7. Windows**                                 | Description      | Area                    | a. Under Attic (Vented)                                                 | R=30.0          | 1722.00 ft <sup>2</sup> |
| a. U-Factor:                                 | Dbl, U=0.60      | 246.00 ft <sup>2</sup>  | b. N/A                                                                  | R=              | ft <sup>2</sup>         |
| SHGC:                                        | SHGC=0.32        |                         | c. N/A                                                                  | R=              | ft <sup>2</sup>         |
| b. U-Factor:                                 | N/A              | ft <sup>2</sup>         | 11. Ducts                                                               |                 |                         |
| SHGC:                                        |                  |                         | a. Sup: Attic Ret: Interior AH: Interior Sup. R= 6, 400 ft <sup>2</sup> |                 |                         |
| c. U-Factor:                                 | N/A              | ft <sup>2</sup>         | 12. Cooling systems (combined)                                          |                 |                         |
| SHGC:                                        |                  |                         | a. Central Unit                                                         | Cap: 65 kBtu/hr |                         |
| d. U-Factor:                                 | N/A              | ft <sup>2</sup>         |                                                                         | SEER: 14        |                         |
| SHGC:                                        |                  |                         | 13. Heating systems (combined)                                          |                 |                         |
| e. U-Factor:                                 | N/A              | ft <sup>2</sup>         | a. Electric Heat Pump                                                   | Cap: 64 kBtu/hr |                         |
| SHGC:                                        |                  |                         |                                                                         | HSPF: 8.2       |                         |
| 8. Floor Types                               | Insulation       | Area                    | 14. Hot water systems                                                   |                 |                         |
| a. Slab-On-Grade Edge Insulation             | R=0.0            | 1232.00 ft <sup>2</sup> | a. Electric                                                             | Cap: 50 gallons |                         |
| b. Floor over Garage                         | R=19.0           | 410.00 ft <sup>2</sup>  |                                                                         | EF: 0.93        |                         |
| c. other                                     | R=               | 80.00 ft <sup>2</sup>   | b. Conservation features                                                |                 |                         |
|                                              |                  |                         | None                                                                    |                 |                         |
|                                              |                  |                         | 15. Credits                                                             |                 | CV, Pstat               |

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: THEODORE BROOKS

Date: 6-25-09

Address of New Home: 330 SW MULBERRY DR City/FL Zip: LAKE CITY FL 32024



\*Note: The home's estimated Energy Performance Index is only available through the EnergyGauge USA - FlaRes2008 computer program. This is not a Building Energy Rating. If your Index is below 100, your home may qualify for 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 [energygauge.com](http://energygauge.com) 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.

\*\*Label required by Section 13-104.4.5 of the Florida Building Code, Building, or Section B2.1.1 of Appendix G of the Florida Building Code, Residential, if not DEFAULT.



**Project Summary**  
**Entire House**  
**MARONDA HOMES**

Job: BAYBURY 1ST FLOOR  
Date:  
By: G. CARMACK

## Project Information

For: BAYBURY 1ST FLOOR

Notes: FACES SOUTH

## Design Information

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

### Winter Design Conditions

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

### Summer Design Conditions

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

### Heating Summary

|                       |                  |
|-----------------------|------------------|
| Structure             | 21923 Btuh       |
| Ducts                 | 4337 Btuh        |
| Central vent (50 cfm) | <b>2088</b> Btuh |
| Humidification        | 0 Btuh           |
| Piping                | 0 Btuh           |
| Equipment load        | 28347 Btuh       |

### Sensible Cooling Equipment Load Sizing

|                       |                 |
|-----------------------|-----------------|
| Structure             | 18206 Btuh      |
| Ducts                 | 5331 Btuh       |
| Central vent (50 cfm) | <b>967</b> Btuh |
| Blower                | 0 Btuh          |

### Infiltration

|                      |            |
|----------------------|------------|
| Method               | Simplified |
| Construction quality | Average    |
| Fireplaces           | 0          |

|                           | Heating | Cooling |
|---------------------------|---------|---------|
| Area (ft <sup>2</sup> )   | 1232    | 1232    |
| Volume (ft <sup>3</sup> ) | 9856    | 9856    |
| Air changes/hour          | 0.45    | 0.23    |
| Equiv. AVF (cfm)          | 74      | 38      |

|                         |            |
|-------------------------|------------|
| Use manufacturer's data | n          |
| Rate/swing multiplier   | 0.98       |
| Equipment sensible load | 23915 Btuh |

### Latent Cooling Equipment Load Sizing

|                       |           |
|-----------------------|-----------|
| Structure             | 2317 Btuh |
| Ducts                 | 1166 Btuh |
| Central vent (50 cfm) | 1743 Btuh |
| Equipment latent load | 5225 Btuh |

|                                 |            |
|---------------------------------|------------|
| Equipment total load            | 29141 Btuh |
| Req. total capacity at 0.74 SHR | 2.7 ton    |

### Heating Equipment Summary

|       |           |
|-------|-----------|
| Make  | TEMPSTAR  |
| Trade | HEATPUMP  |
| Model | N4H330AKA |

|                  |                |
|------------------|----------------|
| Efficiency       | 8.7 HSPF       |
| Heating input    | 0 Btuh @ 47°F  |
| Heating output   | 0 °F           |
| Temperature rise | 935 cfm        |
| Actual air flow  | 0.036 cfm/Btuh |
| Air flow factor  | 0.60 in H2O    |
| Static pressure  |                |
| Space thermostat |                |

### Cooling Equipment Summary

|       |           |
|-------|-----------|
| Make  | TEMPSTAR  |
| Trade | HEATPUMP  |
| Cond  | N4H330AKA |
| Coil  | FEM4X3600 |

|                          |                |
|--------------------------|----------------|
| Efficiency               | 14 SEER        |
| Sensible cooling         | 22644 Btuh     |
| Latent cooling           | 7956 Btuh      |
| Total cooling            | 30600 Btuh     |
| Actual air flow          | <b>935</b> cfm |
| Air flow factor          | 0.040 cfm/Btuh |
| Static pressure          | 0.60 in H2O    |
| Load sensible heat ratio | 0.82           |

*Bold/italic values have been manually overridden*

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



Wrightsoft

Right-Suite Residential 6.0.119 RSR21115

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Page 1



## Project Information

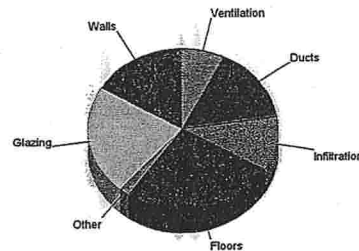
For: BAYBURY 1ST FLOOR

## Design Conditions

|                                |  |                             |                |                |                |
|--------------------------------|--|-----------------------------|----------------|----------------|----------------|
| <b>Location:</b>               |  | <b>Indoor:</b>              |                | <b>Heating</b> | <b>Cooling</b> |
| Jacksonville, Int'l AP, FL, US |  | Indoor temperature (°F)     |                | 70             | 75             |
| Elevation: 30 ft               |  | Design TD (°F)              |                | 38             | 18             |
| Latitude: 31°N                 |  | Relative humidity (%)       |                | 30             | 50             |
|                                |  | Moisture difference (gr/lb) |                | 11.5           | 51.3           |
| <b>Outdoor:</b>                |  | <b>Heating</b>              | <b>Cooling</b> |                |                |
| Dry bulb (°F)                  |  | 32                          | 93             |                |                |
| Daily range (°F)               |  | -                           | 18 ( M )       |                |                |
| Wet bulb (°F)                  |  | -                           | 77             |                |                |
| Wind speed (mph)               |  | 15.0                        | 7.5            |                |                |
|                                |  | <b>Infiltration:</b>        |                |                |                |
|                                |  | Method                      |                | Simplified     |                |
|                                |  | Construction quality        |                | Average        |                |
|                                |  | Fireplaces                  |                | 0              |                |

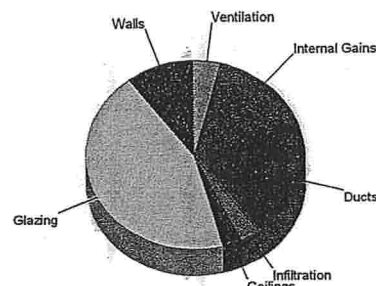
## Heating

| Component      | Btuh/ft² | Btuh         | % of load    |
|----------------|----------|--------------|--------------|
| Walls          | 4.5      | 4642         | 16.4         |
| Glazing        | 48.3     | 6274         | 22.1         |
| Doors          | 0.0      | 0            | 0.0          |
| Ceilings       | 1.9      | 490          | 1.7          |
| Floors         | 15.1     | 7431         | 26.2         |
| Infiltration   | 2.7      | 3087         | 10.9         |
| Ducts          |          | 4337         | 15.3         |
| Piping         |          | 0            | 0.0          |
| Humidification |          | 0            | 0.0          |
| Ventilation    |          | 2088         | 7.4          |
| Adjustments    |          | 0            |              |
| <b>Total</b>   |          | <b>28347</b> | <b>100.0</b> |



## Cooling

| Component      | Btuh/ft² | Btuh         | % of load    |
|----------------|----------|--------------|--------------|
| Walls          | 2.4      | 2492         | 10.2         |
| Glazing        | 82.6     | 10741        | 43.8         |
| Doors          | 0.0      | 0            | 0.0          |
| Ceilings       | 2.6      | 692          | 2.8          |
| Floors         | 0.0      | 0            | 0.0          |
| Infiltration   | 0.6      | 731          | 3.0          |
| Ducts          |          | 5331         | 21.8         |
| Ventilation    |          | 967          | 3.9          |
| Internal gains |          | 3550         | 14.5         |
| Blower         |          | 0            | 0.0          |
| Adjustments    |          | 0            |              |
| <b>Total</b>   |          | <b>24504</b> | <b>100.0</b> |



Overall U-value = 0.260 Btuh/ft²-°F

Data entries checked.



**Project Summary**  
**Entire House**  
**MARONDA HOMES**

Job: BAYBURY 2ND FLOOR  
Date:  
By: G. CARMACK

## Project Information

For: BAYBURY 2ND FLOOR

Notes: FACES SOUTH

## Design Information

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

### Winter Design Conditions

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

### Summer Design Conditions

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

### Heating Summary

|                      |            |
|----------------------|------------|
| Structure            | 19743 Btuh |
| Ducts                | 4815 Btuh  |
| Central vent (0 cfm) | 0 Btuh     |
| Humidification       | 0 Btuh     |
| Piping               | 0 Btuh     |
| Equipment load       | 24557 Btuh |

### Infiltration

|                      |            |
|----------------------|------------|
| Method               | Simplified |
| Construction quality | Average    |
| Fireplaces           | 0          |

|                           | Heating | Cooling |
|---------------------------|---------|---------|
| Area (ft <sup>2</sup> )   | 1595    | 1595    |
| Volume (ft <sup>3</sup> ) | 12760   | 12760   |
| Air changes/hour          | 0.38    | 0.20    |
| Equiv. AVF (cfm)          | 81      | 43      |

### Heating Equipment Summary

|       |           |
|-------|-----------|
| Make  | TEMPSTAR  |
| Trade | HEATPUMP  |
| Model | N4H336AKA |

|                  |                          |
|------------------|--------------------------|
| Efficiency       | 8.5 HSPF                 |
| Heating input    |                          |
| Heating output   | 0 Btuh @ 47°F            |
| Temperature rise | 0 °F                     |
| Actual air flow  | 935 cfm                  |
| Air flow factor  | 0.038 cfm/Btuh           |
| Static pressure  | 0.60 in H <sub>2</sub> O |
| Space thermostat |                          |

### Sensible Cooling Equipment Load Sizing

|                      |            |
|----------------------|------------|
| Structure            | 21280 Btuh |
| Ducts                | 5905 Btuh  |
| Central vent (0 cfm) | 0 Btuh     |
| Blower               | 0 Btuh     |

|                         |            |
|-------------------------|------------|
| Use manufacturer's data | n          |
| Rate/swing multiplier   | 0.98       |
| Equipment sensible load | 26533 Btuh |

### Latent Cooling Equipment Load Sizing

|                       |           |
|-----------------------|-----------|
| Structure             | 3282 Btuh |
| Ducts                 | 1297 Btuh |
| Central vent (0 cfm)  | 0 Btuh    |
| Equipment latent load | 4580 Btuh |

|                                 |            |
|---------------------------------|------------|
| Equipment total load            | 31113 Btuh |
| Req. total capacity at 0.78 SHR | 2.8 ton    |

### Cooling Equipment Summary

|       |           |
|-------|-----------|
| Make  | TEMPSTAR  |
| Trade | HEATPUMP  |
| Cond  | N4H336AKA |
| Coil  | FEM4X3600 |

|                          |                          |
|--------------------------|--------------------------|
| Efficiency               | 14 SEER                  |
| Sensible cooling         | 26988 Btuh               |
| Latent cooling           | 7612 Btuh                |
| Total cooling            | 34600 Btuh               |
| Actual air flow          | 935 cfm                  |
| Air flow factor          | 0.034 cfm/Btuh           |
| Static pressure          | 0.60 in H <sub>2</sub> O |
| Load sensible heat ratio | 0.86                     |

*Bold/italic values have been manually overridden*

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



wrightsoft

Right-Suite Residential 6.0.119 RSR21115

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## Project Information

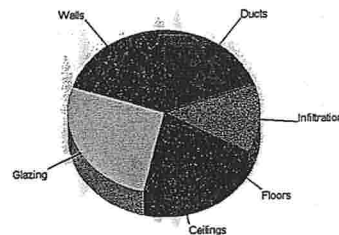
For: BAYBURY 2ND FLOOR

## Design Conditions

|                                |  |                             |                |                |                |
|--------------------------------|--|-----------------------------|----------------|----------------|----------------|
| <b>Location:</b>               |  | <b>Indoor:</b>              |                | <b>Heating</b> | <b>Cooling</b> |
| Jacksonville, Int'l AP, FL, US |  | Indoor temperature (°F)     |                | 70             | 75             |
| Elevation: 30 ft               |  | Design TD (°F)              |                | 38             | 18             |
| Latitude: 31°N                 |  | Relative humidity (%)       |                | 30             | 50             |
|                                |  | Moisture difference (gr/lb) |                | 11.5           | 51.3           |
| <b>Outdoor:</b>                |  | <b>Heating</b>              | <b>Cooling</b> |                |                |
| Dry bulb (°F)                  |  | 32                          | 93             |                |                |
| Daily range (°F)               |  | -                           | 18 ( M )       |                |                |
| Wet bulb (°F)                  |  |                             | 77             |                |                |
| Wind speed (mph)               |  | 15.0                        | 7.5            |                |                |
|                                |  | <b>Infiltration:</b>        |                |                |                |
|                                |  | Method                      |                | Simplified     |                |
|                                |  | Construction quality        |                | Average        |                |
|                                |  | Fireplaces                  |                | 0              |                |

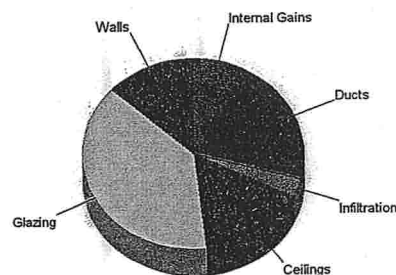
## Heating

| Component      | Btuh/ft² | Btuh         | % of load    |
|----------------|----------|--------------|--------------|
| Walls          | 3.7      | 4866         | 19.8         |
| Glazing        | 48.3     | 6563         | 26.7         |
| Doors          | 0.0      | 0            | 0.0          |
| Ceilings       | 1.9      | 3082         | 12.5         |
| Floors         | 2.9      | 1858         | 7.6          |
| Infiltration   | 2.3      | 3374         | 13.7         |
| Ducts          |          | 4815         | 19.6         |
| Piping         |          | 0            | 0.0          |
| Humidification |          | 0            | 0.0          |
| Ventilation    |          | 0            | 0.0          |
| Adjustments    |          | 0            | 0.0          |
| <b>Total</b>   |          | <b>24557</b> | <b>100.0</b> |



## Cooling

| Component      | Btuh/ft² | Btuh         | % of load    |
|----------------|----------|--------------|--------------|
| Walls          | 2.7      | 3560         | 13.1         |
| Glazing        | 77.0     | 10473        | 38.5         |
| Doors          | 0.0      | 0            | 0.0          |
| Ceilings       | 2.6      | 4355         | 16.0         |
| Floors         | 0.0      | 0            | 0.0          |
| Infiltration   | 0.6      | 823          | 3.0          |
| Ducts          |          | 5905         | 21.7         |
| Ventilation    |          | 0            | 0.0          |
| Internal gains |          | 2070         | 7.6          |
| Blower         |          | 0            | 0.0          |
| Adjustments    |          | 0            | 0.0          |
| <b>Total</b>   |          | <b>27185</b> | <b>100.0</b> |



Overall U-value = 0.115 Btuh/ft²-°F

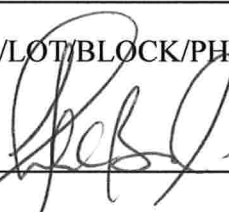
Data entries checked.

# Columbia County Building Department Culvert Permit

27942  
Culvert Permit No.  
000001739

DATE 07/13/2009 PARCEL ID # 10-4S-16-02856-131  
APPLICANT TED BROCK PHONE 904 296-1490  
ADDRESS 6800 SOUTH POINT PARKWAY #300 JACKSONVILLE FL 32216  
OWNER MARONDA HOMES PHONE 904 296-1490  
ADDRESS 330 SW MULBERRY DR LAKE CITY FL 32024  
CONTRACTOR TED BROCK PHONE 904 296-1490  
LOCATION OF PROPERTY 90W, TL ON 247S, TR ON 252B, TL ON TIMBER RIDGE DR.,  
TL MULBERRY, 8TH LOT ON RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT TIMBERLANDS 31

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





2777C

NOTICE OF COMMENCEMENT

Tax Parcel Identification Number 10-45-16-02856-131

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): TIMBERLANDS  
a) Street (job) Address: 330 SW MULBERRY DR. LAKE CITY FL 32024
2. General description of improvements: CONSTRUCTION OF SINGLE FAMILY RESIDENCE
3. Owner Information  
a) Name and address: MARONDA HOMES INC. OF FLORIDA 6800 SOUTHPOINT PKY #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 FLORIDA 6800 SOUTHPOINT PKY #300  
b) Telephone No.: 904 296 1490 Fax No. (Opt.) 904 322-6375 JAX FL 32216
5. Surety Information  
a) Name and address: \_\_\_\_\_  
b) Amount of Bond: \_\_\_\_\_  
c) Telephone No.: \_\_\_\_\_ Fax No. (Opt.) \_\_\_\_\_
6. Lender  
a) Name and address: BANK OF AMERICA NA A NATIONAL BANKING ASSOC. (407) 646-6303  
b) Phone No. 250 SOUTH PARK AVE #400 WINTER PARK FL 32789-4316
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:  
a) Name and address: STEEL CITY TITLE, INC. 851 TRAFALGAR CT #132 E MAITLAND, FL 32751  
b) Telephone No.: 407 660-4422 Fax No. (Opt.) 407 660-4708
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(d)(b), Florida Statutes:  
a) Name and address: \_\_\_\_\_  
b) Telephone No.: \_\_\_\_\_ Fax No. (Opt.) \_\_\_\_\_
9. Expiration date of Notice of Commencement (the expiration date is one year from the date of recording unless a different date is specified): \_\_\_\_\_

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

STATE OF FLORIDA  
COUNTY OF COLUMBIA

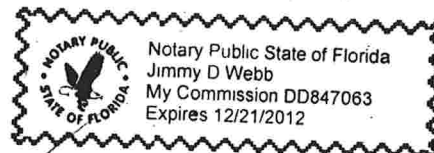
10. \_\_\_\_\_  
Signature of Owner or Owner's Authorized Officer/Director/Partner/Manager  
MARONDA HOMES INC. OF FLORIDA  
Print Name STEVE HOGG, V.P.

The foregoing instrument was acknowledged before me, a Florida Notary, this 16 day of June, 20 09, by:  
Steve Hogg as Division Manager (type of authority, e.g. officer, trustee, attorney  
fact) for MARONDA HOMES INC. OF FLORIDA (name of party on behalf of whom instrument was executed).

Personally Known ☒ OR Produced Identification \_\_\_\_\_ Type \_\_\_\_\_

Notary Signature

Notary Stamp or Seal:



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

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

|                                                                                                                                                                                                                                      |                            |                                                      |                   |                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------------------------------------------------|-------------------|----------------------|
| CLIENT                                                                                                                                                                                                                               | <u>MARION DA HUMES</u>     | <u>9TMO3101</u>                                      | DATE              | <u>24 JUN 09</u>     |
|                                                                                                                                                                                                                                      |                            | <u>LAKE CITY</u>                                     | PROJECT NO.       |                      |
| PROJECT NAME                                                                                                                                                                                                                         | <u>TIMBERLANDS LOT #31</u> |                                                      | PERMIT NO.        | <u>#27942</u>        |
| EARTH CONTRACTOR                                                                                                                                                                                                                     | <u>330 SW MULBERRY DR.</u> |                                                      | TESTED BY         | <u>JWC</u>           |
| COMPACTION REQUIREMENT (%)                                                                                                                                                                                                           | <u>95%</u>                 | <input type="checkbox"/> Standard Proctor            |                   |                      |
|                                                                                                                                                                                                                                      |                            | <input checked="" type="checkbox"/> Modified Proctor |                   |                      |
| TOTAL ON-SITE TIME                                                                                                                                                                                                                   |                            |                                                      |                   | <u>FIELD CONTACT</u> |
|                                                                                                                                                                                                                                      |                            |                                                      | MILES FROM OFFICE |                      |
| <input type="checkbox"/> Limerock <input type="checkbox"/> Subgrade <input type="checkbox"/> Pipe Backfill <input checked="" type="checkbox"/> Building Pad <input type="checkbox"/> Building Footing <input type="checkbox"/> Other |                            |                                                      |                   |                      |

REMARKS \_\_\_\_\_

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



## PRODUCT APPROVAL SPECIFICATION SHEET

**Location:**

**Project Name:**

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

| Category/Subcategory       | Manufacturer | Product Description | Approval Number(s) |
|----------------------------|--------------|---------------------|--------------------|
| <b>A. EXTERIOR DOORS</b>   |              |                     |                    |
| 1. Swinging                |              |                     |                    |
| 2. Sliding                 |              |                     |                    |
| 3. Sectional               |              |                     |                    |
| 4. Roll up                 |              |                     |                    |
| 5. Automatic               |              |                     |                    |
| 6. Other                   |              |                     |                    |
| <b>B. WINDOWS</b>          |              |                     |                    |
| 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                  |              |                     |                    |
| <b>C. PANEL WALL</b>       |              |                     |                    |
| 1. Siding                  |              |                     |                    |
| 2. Soffits                 |              |                     |                    |
| 3. EIFS                    |              |                     |                    |
| 4. Storefronts             |              |                     |                    |
| 5. Curtain walls           |              |                     |                    |
| 6. Wall louver             |              |                     |                    |
| 7. Glass block             |              |                     |                    |
| 8. Membrane                |              |                     |                    |
| 9. Greenhouse              |              |                     |                    |
| 10. Other                  |              |                     |                    |
| <b>D. ROOFING PRODUCTS</b> |              |                     |                    |
| 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          |              |                     |                    |

02/02/04 - 1 of 2

Website: [www.bccerminis.org](http://www.bccerminis.org)

Effective April 1, 2004

| 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                                |              |                     |                    |
| <b>E. SHUTTERS</b>                       |              |                     |                    |
| 1. Accordion                             |              |                     |                    |
| 2. Bahama                                |              |                     |                    |
| 3. Storm Panels                          |              |                     |                    |
| 4. Colonial                              |              |                     |                    |
| 5. Roll-up                               |              |                     |                    |
| 6. Equipment                             |              |                     |                    |
| 7. Others                                |              |                     |                    |
| <b>F. SKYLIGHTS</b>                      |              |                     |                    |
| 1. Skylight                              |              |                     |                    |
| 2. Other                                 |              |                     |                    |
| <b>G. STRUCTURAL COMPONENTS</b>          |              |                     |                    |
| 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                                |              |                     |                    |
| <b>H. NEW EXTERIOR ENVELOPE PRODUCTS</b> |              |                     |                    |
| 1.                                       |              |                     |                    |
| 2.                                       |              |                     |                    |

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

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

Contractor or Contractor's Authorized Agent Signature

Print Name

Date

Location

Permit # (FOR STAFF USE ONLY)

02/02/04 – 2 of 2

Website: [www.1cpermits.org](http://www.1cpermits.org)

Effective April 1, 2004



# PRODUCT APPROVAL INFORMATION SHEET FOR THE CITY OF JACKSONVILLE, FLORIDA

Project Name:

Maronda Homes Inc of Florida

Permit No:

Subdivision:

IVIRBULWENOS

Lot: 31/1

Block:

Date: 6/16/2009

Project Address:

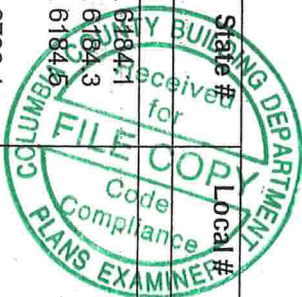
330 SW MULBERRY DR

LAKE CITY FL

32024

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

| Category/Subcategory     | Manufacturer                          | Product Description                                                                                               | Limitation of Use                                                                                                                                                                   | State #                                          | Local # |
|--------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------|
| <b>A. EXTERIOR DOORS</b> |                                       |                                                                                                                   |                                                                                                                                                                                     |                                                  |         |
| 1. Swinging              | Plastro Inc./<br>Nanya Plastics Corp. | Fiberglass Dr Single<br>Fiberglass Dr w/ Sidelite<br>Fiberglass Dr w/ Dbl Sidelite<br>Fiberglass Dr Single Glazed | Evaluated for use in locations adhering to the Florida Building Code and where pressure requirements as determined by ACSE 7 Minimum Design Loads For Building and Other Structures | FL 6184.1<br>FL 6184.3<br>FL 6184.5<br>FL 6729.1 |         |
| 2. Sliding               | Simonton Windows<br>Florida Extruders | Sliding Glass Doors                                                                                               | 500 72x80 SGD-R45<br>Milestone 1000 SGD                                                                                                                                             | FL 5979.1<br>FL 8409.2                           |         |
| 3. Sectional             |                                       |                                                                                                                   |                                                                                                                                                                                     |                                                  |         |
| 4. Roll Up               | Wayne Dalton Corp.                    | Garage Doors 130<br>10'-16' 9110/5102<br>8'-9'<br>Garage Doors 140<br>10'-16' 9110/5102<br>8'-9'                  | As indicated in evaluation report and installation drawings. Not to be used in HVHZ                                                                                                 | FL 9174.3<br>FL 9174.1<br>FL 9174.6<br>FL 9174.5 |         |
| <b>B. WINDOWS</b>        |                                       |                                                                                                                   |                                                                                                                                                                                     |                                                  |         |
| 1. Single Hung           | Florida Extruders                     | Milestone Series<br>1000                                                                                          | 83"x84" Max. windows have not been evaluated for use in High Velocity Hurricane Zones                                                                                               | FL 9262.2                                        |         |
| 2. Horizontal Slider     | Florida Extruders                     | Milestone Series<br>1000                                                                                          | 74"x72 XO/OX" Max. windows have not been evaluated for use in High Velocity Hurricane Zones                                                                                         | FL 9236.1                                        |         |
| 3. Casement              |                                       |                                                                                                                   |                                                                                                                                                                                     |                                                  |         |
| 4. Double Hung           |                                       |                                                                                                                   |                                                                                                                                                                                     |                                                  |         |
| 5. Fixed                 | Florida Extruders                     | Milestone Series<br>1000                                                                                          | 73"x37" Max. windows have not been evaluated for use in High Velocity Hurricane Zones                                                                                               | FL 9242.2                                        |         |
| 6. Awning                |                                       |                                                                                                                   |                                                                                                                                                                                     |                                                  |         |
| 7. Pass-through          |                                       |                                                                                                                   |                                                                                                                                                                                     |                                                  |         |
| 8. Projected             |                                       |                                                                                                                   |                                                                                                                                                                                     |                                                  |         |



|                                     |                       |                               |                                                                                                                                                                                     |             |  |
|-------------------------------------|-----------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--|
| 9. Mullion                          | Florida Extruders     | Milestone Tube Mull           | Evaluated for use in locations adhering to the Florida Building Code and where pressure requirements as determined by ACSE 7 Minimum Design Loads For Building and Other Structures | FL 3136-R3  |  |
| 10. Wind Breaker                    |                       |                               |                                                                                                                                                                                     |             |  |
| 11. Dual Action                     |                       |                               |                                                                                                                                                                                     |             |  |
| 12. Other                           |                       |                               |                                                                                                                                                                                     |             |  |
| <b>C. PANEL WALL</b>                |                       |                               |                                                                                                                                                                                     |             |  |
| 1. Siding                           |                       |                               |                                                                                                                                                                                     |             |  |
| 2. Soffit                           | AlSCO Metal Corp      | Quad 4 Aluminum Soffit System | For use as Soffit only. Not for use in High Velocity Hurricane Zones                                                                                                                | FL 4459-R1  |  |
| <b>D. ROOFING PRODUCTS</b>          |                       |                               |                                                                                                                                                                                     |             |  |
| 1. Asphalt Shingles                 | Owens Corning         | Asphalt Shingles              | This approval not for use in the HVAZ. All FBC sections that apply to counties except Broward and Miami-Dade must be followed                                                       | FL 10674-R1 |  |
| 2. Underlayments                    | Black Warrior Roofing | 15# Felt Paper                |                                                                                                                                                                                     | FL 2077     |  |
| 3. Roofing Fasteners                |                       |                               |                                                                                                                                                                                     |             |  |
| 4. Nonstructural Metal Roof         |                       |                               |                                                                                                                                                                                     |             |  |
| 5. Build-up Roof                    |                       |                               |                                                                                                                                                                                     |             |  |
| 6. Modified Bitumen                 |                       |                               |                                                                                                                                                                                     |             |  |
| 7. Single Ply Roof                  |                       |                               |                                                                                                                                                                                     |             |  |
| 8. Roofing Tiles                    |                       |                               |                                                                                                                                                                                     |             |  |
| 9. Roofing Insulation               |                       |                               |                                                                                                                                                                                     |             |  |
| 10. Waterproofing                   |                       |                               |                                                                                                                                                                                     |             |  |
| 11. Wood Shingle/Shakes             |                       |                               |                                                                                                                                                                                     |             |  |
| 12. Roofing Slate                   |                       |                               |                                                                                                                                                                                     |             |  |
| 13. Liquid Applied Roofing          |                       |                               |                                                                                                                                                                                     |             |  |
| 14. Cement Adhesive Coats           |                       |                               |                                                                                                                                                                                     |             |  |
| 15. Roof Tile Adhesive              |                       |                               |                                                                                                                                                                                     |             |  |
| 16. Spray applied Polyurethane Roof |                       |                               |                                                                                                                                                                                     |             |  |
| 17. Roof Vents                      | Lamanco               | Off Ridge Vent                | This approval not for use in the HVAZ. All FBC sections that apply to counties except Broward and Miami-Dade must be followed                                                       | FL 3792-R3  |  |
| <b>E. SHUTTERS</b>                  |                       |                               |                                                                                                                                                                                     |             |  |
| 1. Storm Panels                     |                       |                               |                                                                                                                                                                                     |             |  |

**F. STRUCTURAL COMPONENTS**

| 1. Wood Connectors/Anchors                   | United Steel Products  | Anchors, Hangers, etc<br>Structural Components<br>Wood Connectors | Subject to limitation and installation<br>instructions specified in NOA 05-<br>0105-05.                                                                                                                                                                                                                                | 565-R3, 567-<br>R3, 568-R2,<br>569-R3, 570-<br>R2, 571-R2,<br>574-R2, 576-<br>R3, 578-R2,<br>815-R1, 816-<br>R1, 817-R1,<br>819-R1, 820-<br>R2, 821-R1,<br>822-R1, 859-<br>R4, 1247-R1,<br>2033-R2,<br>4928-R1,<br>5631-R1,<br>9835-R1,<br>10739, 11664,<br>11748, 11838,<br>11910 |  |
|----------------------------------------------|------------------------|-------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 2. Truss Planes                              | Mitek Industries, Inc. | Truss Connectors                                                  | No Limitation of Use                                                                                                                                                                                                                                                                                                   | FL 2197-R1                                                                                                                                                                                                                                                                         |  |
| 3. Engineered Lumber                         |                        |                                                                   |                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                    |  |
| 4. Railing                                   |                        |                                                                   |                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                    |  |
| 5. Coolers-Freezers                          |                        |                                                                   |                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                    |  |
| 6. Concrete admixtures                       |                        |                                                                   |                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                    |  |
| 7. Material                                  |                        |                                                                   |                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                    |  |
| 8. Insulation Forms                          |                        |                                                                   |                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                    |  |
| 9. Plastics                                  |                        |                                                                   |                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                    |  |
| 10. Deck-Roof                                |                        |                                                                   |                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                    |  |
| 11. Wall                                     |                        |                                                                   |                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                    |  |
| 12. Shed                                     |                        |                                                                   |                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                    |  |
| 13. Other                                    | Power Steel Inc.       | Psbox8<br>Psbox8 (5-5/8)                                          | Limits shall not exceed the affordable<br>design load and spans. The lintels<br>shall not be uses in a fire resistance<br>rated assembly. A proper barrier is<br>required when using corrosive lumber<br>products in contact with the steel<br>lintels. Not for use in HV/HZ Miami or<br>Broward counties at this time |                                                                                                                                                                                                                                                                                    |  |
| <b>G. Skylights</b>                          |                        |                                                                   |                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                    |  |
| 1. Skylights                                 |                        |                                                                   |                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                    |  |
| 2. Other                                     |                        |                                                                   |                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                    |  |
| <b>H. New Exterior Envelope<br/>Products</b> |                        |                                                                   |                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                    |  |
| 1                                            |                        |                                                                   |                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                    |  |
| 2                                            |                        |                                                                   |                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                    |  |



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

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

Authorized Project Agent: KEITH WAYNE CAMPBELL JR  
(Contractor or Design Professional) (Print Name) (Signature)

Company Name: Maronda Homes Inc of Florida

Mailing Address: 6800 South Point Pkwy Ste 300

City: Jacksonville State: Florida Zip Code: 32216

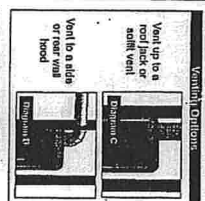
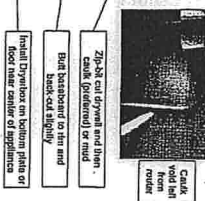
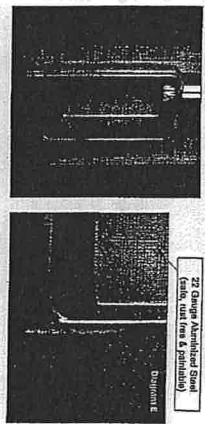
Telephone Number: (904) 296-1490 Fax Number: (904) 332-6375  
Cell Phone Number: E-Mail Address:

- ✓ Saves Space
- ✓ Saves Energy
- ✓ Reduces Fire Hazard

In-0-Vote Technologies, Inc.  
**the DYERBOX**

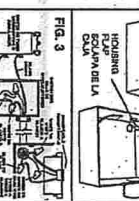
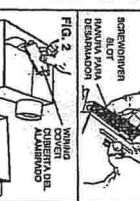
**Installation Instructions**

1. All standard American exhaust dryers have an exhaust port in the center of the rear panel at the 3/4" bottom. Therefore, it is best to install Dyerbox as low as possible so that the bottom tab is at or slightly below the finished floor level. (Diagram A) - Not applicable if stackable unit or on a pedestal.
2. Attach Dyerbox to stud and bottom plate at a minimum of 3 corners with drywall screws.
3. We strongly recommend that the Dyerbox be installed with the port up, although it can be installed with the port down. For down venting, use the "Down Box" Model 4D or 3D (more info on this).
4. When installing the 4 1/2" deep Dyerbox (Model 425) into a 2x4 wall, fit all the respective wall 3/4" with a 1/2" fitting strip to provide adequate depth or use the 3 1/2" Model 350.
5. When installing in an exterior finish wall, you should add insulation or duct board to the backside of box to minimize condensation and temperature transfer.
6. To seal a cross-section of the unit must be installed in accordance with the instructions. It is recommended that the Dyerbox be installed in a wall with insulation or mineral wool batt insulation. (The entire wall cavity around the dryer may be filled with insulation.)
7. Gas line termination options: For gas vented pipes, wrap vinyl tape around thermal gas line termination. For corrugated stainless steel tubing, secure the CSST thermal gas line termination with a clamp. For gas vented pipes, secure the CSST thermal gas line termination with a clamp. For gas vented pipes, secure the CSST thermal gas line termination with a clamp. For gas vented pipes, secure the CSST thermal gas line termination with a clamp.
8. The exhaust pipe can be vented through a roof or a side wall. For a side wall, use the new Duct Support Tab (Diagram B) in top port with sealant for reinforcing the final penetration length of the 4" Single-pipe rigid conduit of 2 inches. Create a "hook" by supporting the pipe. Seal penetration with the tape or sealant caulk.
9. The exhaust pipe can be vented through a roof or a side wall. For a side wall, use the new Duct Support Tab (Diagram B) in top port with sealant for reinforcing the final penetration length of the 4" Single-pipe rigid conduit of 2 inches. Create a "hook" by supporting the pipe. Seal penetration with the tape or sealant caulk.
10. Use a 2x4 or 2x6 stud to cut the drywall leaving a small hole for the gasket (Diagram E). It is best to install with a tapered back cut into the fin extension on other side of box (Diagram E).
11. Exhaust must be cut with unpainted or can be sprayed with an acrylic latex or oil-based paint (Diagram F) to match the rest of the wall, then it is considered a finished.
12. Exhaust must be cut with unpainted or can be sprayed with an acrylic latex or oil-based paint (Diagram F) to match the rest of the wall, then it is considered a finished.



Model 425  
(4 1/2" Deep)  
Part Number: DB-425  
AKK  
700-42  
10000  
10000  
51713 00141 3  
Exhaust must be cut with unpainted or can be sprayed with an acrylic latex or oil-based paint (Diagram F) to match the rest of the wall, then it is considered a finished.

**BREAN**  
To replace this product with  
a new Brean unit.



**WARNING**  
To replace this product with a new Brean unit, follow the following instructions:

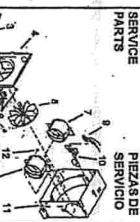
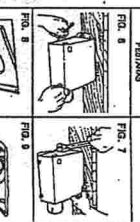
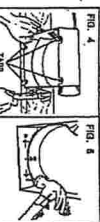
1. Use the unit as the source of heat for the new unit. Do not use the unit as the source of heat for the new unit.
2. Use the unit as the source of heat for the new unit. Do not use the unit as the source of heat for the new unit.
3. Use the unit as the source of heat for the new unit. Do not use the unit as the source of heat for the new unit.
4. Use the unit as the source of heat for the new unit. Do not use the unit as the source of heat for the new unit.
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10. Use the unit as the source of heat for the new unit. Do not use the unit as the source of heat for the new unit.
11. Use the unit as the source of heat for the new unit. Do not use the unit as the source of heat for the new unit.
12. Use the unit as the source of heat for the new unit. Do not use the unit as the source of heat for the new unit.

**CAUTION**  
To replace this product with a new Brean unit, follow the following instructions:

1. For general venting use only. Do not use to exhaust hazardous or explosive materials and do not use to exhaust flammable or explosive materials.
2. Do not use to exhaust flammable or explosive materials.
3. Do not use to exhaust flammable or explosive materials.
4. Do not use to exhaust flammable or explosive materials.
5. Do not use to exhaust flammable or explosive materials.
6. Do not use to exhaust flammable or explosive materials.
7. Do not use to exhaust flammable or explosive materials.
8. Do not use to exhaust flammable or explosive materials.
9. Do not use to exhaust flammable or explosive materials.
10. Do not use to exhaust flammable or explosive materials.
11. Do not use to exhaust flammable or explosive materials.
12. Do not use to exhaust flammable or explosive materials.

**USE AND CARE**  
To replace this product with a new Brean unit, follow the following instructions:

1. Do not use to exhaust flammable or explosive materials.
2. Do not use to exhaust flammable or explosive materials.
3. Do not use to exhaust flammable or explosive materials.
4. Do not use to exhaust flammable or explosive materials.
5. Do not use to exhaust flammable or explosive materials.
6. Do not use to exhaust flammable or explosive materials.
7. Do not use to exhaust flammable or explosive materials.
8. Do not use to exhaust flammable or explosive materials.
9. Do not use to exhaust flammable or explosive materials.
10. Do not use to exhaust flammable or explosive materials.
11. Do not use to exhaust flammable or explosive materials.
12. Do not use to exhaust flammable or explosive materials.



**REVISIONS:**

**Maronda Homes**  
4005 MARONDA WAY SAIGORO, FLORIDA  
4071 321-0064

**EXHAUST DETAILS**  
2 of 2  
RELEASE DATE:

**EXD**

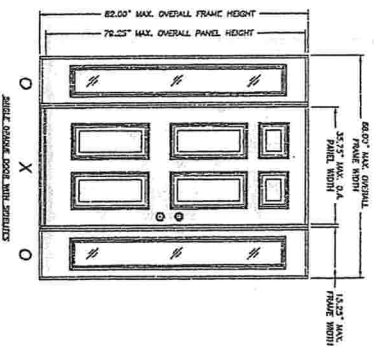




# **NAN YA PLASTICS CORP.**

PLASTPRO INC.  
9 PEACH TREE HILL ROAD  
LIVINGSTON, NEW JERSEY 07039  
PH: 800-729-0561 FAX: 973-269-4001

## **DISTINCTION SERIES 30" x 68" OPAQUE FIBERGLASS DOOR WITH SIDELITES LIP LITE SCREW FRAME INSWING / OUTSWING**



1. THIS PRODUCT HAS BEEN EVALUATED AND IS IN COMPLIANCE WITH THE 2001 ICC-ES ESR-1100 REPORT FOR THE 30\"/>

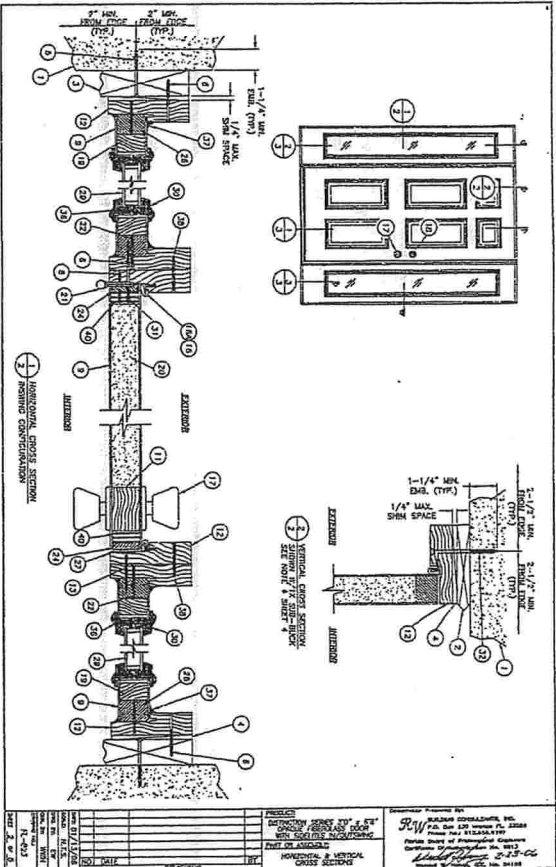
| TYPE     | ORIGINAL<br>FINISH<br>DIMENSION | SUGGESTED<br>FINISH<br>DIMENSION | GLASS TYPE                        | GLASS THICKNESS (IN) |          |
|----------|---------------------------------|----------------------------------|-----------------------------------|----------------------|----------|
|          |                                 |                                  |                                   | POSITIVE             | NEGATIVE |
| INSWING  | 88.00"                          | 7.00"                            | 1/8" TDS-<br>- JIN -<br>1/8" TDS- | +50.0                | -50.0    |
|          | 88.00"                          | 63.00"                           |                                   |                      |          |
| OUTSWING | 80.33"                          | 7.00"                            | 1/8" TDS-                         | +50.0                | -50.0    |
|          | 80.33"                          | 63.00"                           |                                   |                      |          |

REVISIONS

| NO. | DATE     | DESCRIPTION     |
|-----|----------|-----------------|
| 1   | 01/12/00 | INITIAL RELEASE |

REVISIONS

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| 1   | 01/12/00 | INITIAL RELEASE |

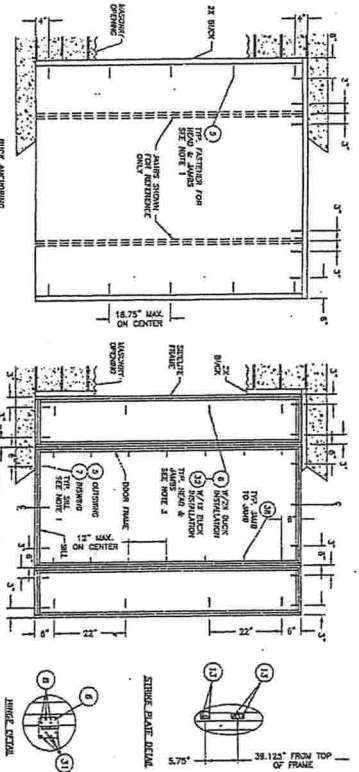


REVISIONS

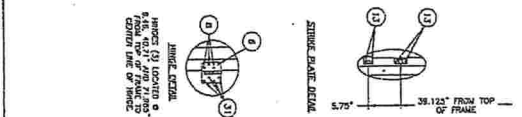
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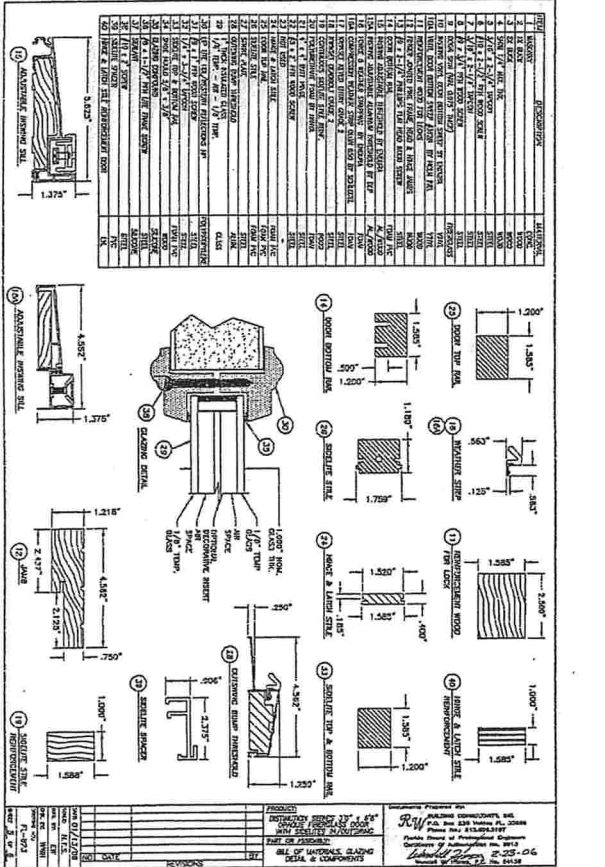


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REVISIONS

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| 1   | 01/12/00 | INITIAL RELEASE |

REVISIONS

| NO. | DATE     | DESCRIPTION     |
|-----|----------|-----------------|
| 1   | 01/12/00 | INITIAL RELEASE |

**FIBERGLASS EXTERIOR DOORS  
IN SWING / OUT SWING DOOR  
WITH (TWO) SIDELITES**  
RELEASE DATE: 09/02/08

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**Maronda Homes**

14011 321-0064 4005 MARONDA WAY SANFORD, FLORIDA

REVISIONS:

| NO. | DATE | DESCRIPTION |
|-----|------|-------------|
|     |      |             |
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|     |      |             |
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Florida Product Approval #6184.5

SHEET:  
**FD-2**

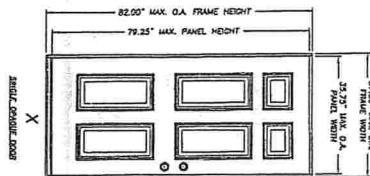


**DISTINCTION SERIES**  
**3'0" x 6'8" OPAQUE FIBERGLASS DOOR**  
**INSWING / OUTSWING**

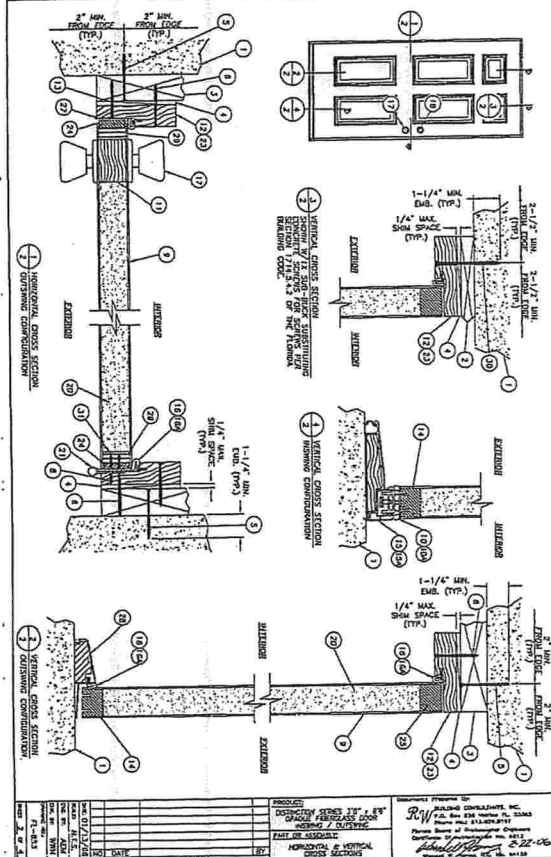
## GENERAL NOTES

- [illegible]

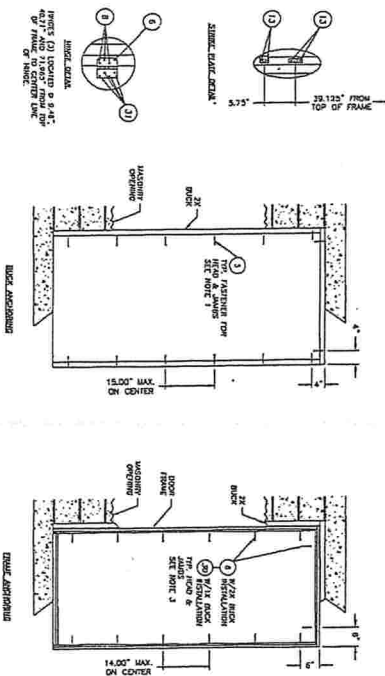
| DATE OF CONTINUED |                                                    |
|-------------------|----------------------------------------------------|
| SHEET #           | DESCRIPTION                                        |
| 1                 | THEORY ELEMENTS, DESIGN PRINCIPLES & GENERAL NOTES |
| 2                 | HORIZONTAL & VERTICAL CROSS SECTIONS               |
| 3                 | PLAN & TYPICAL ANCHORAGE                           |
| 4                 | LIST OF MATERIALS & COMPONENTS                     |



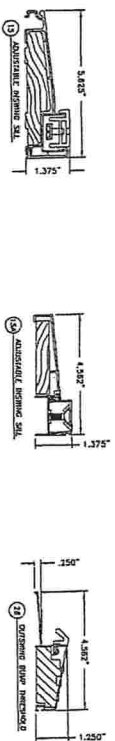
| TYPE      | DURAL PLANT OIL/OLIOIN | DESIGN PRESSURE (PSI) |          |
|-----------|------------------------|-----------------------|----------|
|           |                        | POSITIVE              | NEGATIVE |
| WELDING   | 33.50" x 82.00"        | +85.0                 | -70.0    |
| OUTGASING | 33.50" x 80.33"        | +85.0                 | -65.0    |

[illegible]

|                                                                            |    |                                                                             |    |                                                                                                                                                                                                                                                       |    |
|----------------------------------------------------------------------------|----|-----------------------------------------------------------------------------|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| DISTINGUISH SERIES 70" x 68"<br>ORANGE FIBERGLASS DOOR<br>INSIDE / OUTSIDE |    | PRODUCT<br>PART OR SUBPART<br>NON-IDENTICAL TO VERTICAL<br>CURTAIN SECTIONS |    | COMMENTS (FURNISH CO)<br>RW BUILDING COMPLAINTS, INC.<br>P.O. Box 696 Miami, FL 33163<br>Phone (305) 374-0071<br>Florida School of Management Engineers<br>Certificate of Completion No. 8-2-76<br>10000 Biscayne Blvd. Suite 1118<br>Miami, FL 33146 |    |
| NO DATE                                                                    | BY | NO DATE                                                                     | BY | NO DATE                                                                                                                                                                                                                                               | BY |



1.  $3/16"$  SPACERS PROVIDE A MINIMUM  $3"$  CLEARANCE TO MAGNETIC DECKS AND A MINIMUM  $2-1/4"$  CLEARANCE TO MAGNETIC TAPES.
2.  $1/4"$  SPACERS PROVIDE A MINIMUM  $2-1/2"$  CLEARANCE TO MAGNETIC DECKS AND A MINIMUM  $3"$  CLEARANCE TO MAGNETIC TAPES.
3. WIDE MAGNETIC DECK PAIRS UTILIZING A  $1/4"$  ROCK TECH TYPE 1A IS SUBSTITUTED WITH TYPE 1B ( $1/4" \times 3-3/4"$  DECK ANCHOR). THE QUANTITY OF MAGNETIC DECKS NOT CHANGED. SEE NOTE 2.

[illegible][illegible]

|                                       |                                                                                                                                |                                                                                                                                                                                                               |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DATE<br>TIME<br>BY<br>TITLE<br>OFFICE | PRODUCT<br>DISTINCTION SERIES 75" x 18"<br>GRANUL FIBERGLASS DOOR<br>INSULATION / OUTDOOR<br>PART OF WHOLE<br>REF. OF MATERIAL | Documents Prepared By<br>RW BUILDING CONSTRUCTION, INC.<br>P.O. Box 1280 Venice, FL 33593<br>Phone FL 335.891.8187<br>Florida Board of Professional Engineers<br>Certificate of Registration No. 9813<br>1/27 |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

FIBERGLASS EXTERIOR DOORS  
IN SWING / OUT SWING DOOR  
SINGLE DOOR

RELEASE DATE: 09/02/08

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## Maronda Homes

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

**REVISIONS :**

Florida Product Approval #6184.1

ED-0

**SHEET:**



**NOTES:**

1. SHORT GLAZED PANEL OPTION - .050" MINIMUM SEE GLAZING IN MOLDED FRAMES SCREWED TOGETHER WITH A MINIMUM OF (4) 1/4" DIA. SCREWS INSTALLED IN TOP OF INTERMEDIATE SECTION (WITH OR WITHOUT DECORATIVE INSERTS) MEETS UNIFORM STATIC DESIGN PRESSURES SHOWN ON THIS DRAWING. GLAZING SHALL HAVE A MAXIMUM HEIGHT OF 13.75" AND A MAXIMUM LENGTH OF 18.75". GLAZING IS NOT IMPACT RESISTANT AND DOES NOT MEET THE REQUIREMENTS FOR WIND-BORNE DEBRIS RESISTANCE.
2. LONG GLAZED PANEL OPTION - .050" MINIMUM SEE GLAZING IN MOLDED FRAMES SCREWED TOGETHER WITH A MINIMUM OF (10) 1/4" DIA. SCREWS INSTALLED IN TOP OF INTERMEDIATE SECTION (WITH OR WITHOUT DECORATIVE INSERTS) MEETS UNIFORM STATIC DESIGN PRESSURES SHOWN ON THIS DRAWING. GLAZING SHALL HAVE A MAXIMUM HEIGHT OF 13.75" AND A MAXIMUM LENGTH OF 18.75". GLAZING IS NOT IMPACT RESISTANT AND DOES NOT MEET THE REQUIREMENTS FOR WIND-BORNE DEBRIS RESISTANCE.
3. WITH OR WOOD DOOR STOP MAILED A MINIMUM OF 1/2" MUST OVERLAP TOP AND BOTH ENDS OF PANELS MINIMUM 7/16" TO MEET NEGATIVE PRESSURES.
4. KEY LOCK, SLIDE LOCK, OR OPERATOR REQUIRED.
5. SECTION SHALL BE CONSTRUCTED WITH FOAMED IN PLACE POLYURETHANE FOAM INSULATION ORIGINALLY SCREWED TO 30 GA MINIMUM FACTOR STEEL, AND A POLYURETHANE BACKER, END CAP TO HAVE A MINIMUM 1/2" DEPTH.
6. THE DESIGN OF THE SUPPORTING STRUCTURAL ELEMENTS SHALL BE THE RESPONSIBILITY OF THE BUILDING PROFESSIONAL OF RECORD FOR THE BUILDING OR STRUCTURE AND IN ACCORDANCE WITH CURRENT BUILDING CODES FOR THE LOADS LISTED ON THIS DRAWING.
7. DOOR JAMB TO BE MINIMUM 2x8 STRUCTURAL GRADE LAMINAR, REFER TO JAMB CONNECTION SUPPLEMENT FOR ATTACHMENT TO SUPPORTING STRUCTURE.
8. LOWER OPTION - .050" MINIMUM ALUMINUM LOUVERS IN MOLDED FRAMES SCREWED TOGETHER WITH A MINIMUM OF (4) 1/4" DIA. SCREWS INSTALLED IN THE END PANELS OF THE BOTTOM SECTION. LOUVERS ARE NOT IMPACT RESISTANT AND DO NOT MEET THE REQUIREMENTS FOR WIND-BORNE DEBRIS RESISTANCE.

**13 GA CORR ANGLE**  
13 GA CORR ANGLE  
18 GA MIN HORIZ TRACK  
5/16"-5/8" LAG SCREWS (MIN 3 AS SHOWN)  
18 GA MIN VERT TRACK  
5/16"-5/8" LAG SCREWS AT EACH JAMB BRACKET LOCATION  
1/4"-10x1/4" TRACK BOLT AND 1/4"-20 NUT AT EACH JAMB BRACKET LOCATION

**KEY LOCK OR SLIDE LOCK (NOT REQUIRED WITH OPERATOR - SEE NOTE 4). SLIDE LOCK SHOWN FOR CLARITY.**

**NOTE:** (1) SECTION SHOWN WITH THE (2) PRE-PUNCHED HOLES EACH END FACING UPWARD AND ATTACH THRU END CAP AT EACH END WITH (2) 1/4"-14x7/8" SELF DRILLING COMPRISE SCREWS FOR STANDARD TRACK AND (2) 1/4"-14x7/8" SELF DRILLING COMPRISE SCREWS FOR LOW HEADROOM TRACK (2 OF WHICH ARE USED TO ATTACH THE TOP BRACKET AS SHOWN).

**JAMB BRACKET SCHEDULE**

| DOOR NO. OF BRACKETS (EACH JAMB) | BRACKET TYPE | LOCATION OF CENTERLINE OF JAMB BRACKET MEASURED FROM BOTTOM TRACK (ALL DIMENSIONS IN") |
|----------------------------------|--------------|----------------------------------------------------------------------------------------|
| 7'-0"                            | 4            | 12" (10) 12" (10) 12" (10) 12" (10)                                                    |
| 7'-0"                            | 4            | FAT 12" (10) 12" (10) 12" (10) 12" (10)                                                |
| 8'-0"                            | 5            | 12" (10) 12" (10) 12" (10) 12" (10) 12" (10)                                           |
| 8'-0"                            | 5            | FAT 12" (10) 12" (10) 12" (10) 12" (10) 12" (10)                                       |

**NOTE:** (1) FOLLOWING DIMENSION INDICATES SLOTTED JAMB BRACKET ATTACHED TO TRACK WITH 1/4"-10x1/4" TRACK BOLT AND NUT. (2) FOLLOWING DIMENSION INDICATES QUICK INSTALL JAMB BRACKET INSTALLED IN BUTTERFLY SLOT. NO ADDITIONAL HARDWARE NEEDED TO ATTACH TO TRACK.

**Wagne Dalton**  
3385 ADDISON DRIVE  
PENSACOLA, FLORIDA 32514  
(850) 474-9990

**STATIC PRESSURE RATINGS**  
DESIGN (PSF): +28.50/-30.80  
TEST (PSF): +40.35/-48.20  
IMPACT/CYCLIC RATED (YES/NO): YES

**APPROVED SIZES**  
MAX WIDTH: 8'-0"  
MAX HEIGHT: 8'-0"  
MAX SECTION HEIGHT: 21' (CHECKED)

**SCALE: N.T.S.**  
**DATE:** 3/7/08  
**DRAWN:** GRT  
**MRB**

**MODELS 5120/6100/9100**  
**WINDLOAD SPECIFICATION OPTION CODE 0228**

**SHEET 1 OF 2**  
**DRAWING PART NO. 318958**  
**REV. P5**

**13 GA ADJUSTABLE TOP FUTURE ATTACHED TO PRE-PUNCHED HOLES IN TOP OF U-BAR WITH (2) 1/4"-14x7/8" COMPRISE SCREWS.**

**13 GA ADJUSTABLE TOP FUTURE**

**13 GA ROLLER SLIDE ATTACHED TO PRE-PUNCHED HOLES IN TOP OF U-BAR WITH (2) 1/4"-14x7/8" COMPRISE SCREWS. USE VERNIER HOLE IN SIDE TO ENSURE PROPER ALIGNMENT OF ROLLERS.**

**13 GA HINGE ATTACHED WITH (4) 1/4"-14x7/8" COMPRISE SCREWS (2 OF WHICH ARE FACTORY ATTACHED).**

**2" INCH BLUNT ROLLER WITH 4" STEM**

**18 GA HINGE ATTACHED WITH (8) 1/4"-20x1/2" COMPRISE SCREWS (2 OF WHICH ARE FACTORY ATTACHED) 2 OF WHICH ARE FIELD INSTALLED INTO TOP LEAF AND 1 OF WHICH IS FIELD INSTALLED THRU PRE-PUNCHED HOLE IN U-BAR.**

**13 GA BOTTOM BRACKET FACTORY ATTACHED WITH (2) 1/4"-14x7/8" COMPRISE SCREWS.**

**FOR IMPACT RESISTANCE, BOTTOM BRACKET MUST BE SCREWED TO THE BOTTOM U-BAR WITH (2) 1/4"-14x7/8" SELF DRILLING COMPRISE SCREWS. SEE IMPACT BOTTOM BRACKET DETAIL, THIS SHEET.**

**PLACE U-BAR OVER INTERNAL RIS WITH THE (2) PRE-PUNCHED HOLES EACH END FACING UPWARD AND ATTACH THRU END CAP AT EACH END WITH (2) 1/4"-14x7/8" SELF DRILLING COMPRISE SCREWS. INTERMEDIATE U-BAR PLACED OVER TOP RIS ON THE BOTTOM SECTION SHALL ONLY BE ATTACHED THRU END CAP AT EACH END WITH (2) 1/4"-14x7/8" SELF DRILLING COMPRISE SCREWS. LOCATED ON THE BOTTOM FLANGE OF THE U-BAR. ALL U-BARS SHALL BE INSTALLED ON SECTIONS PRIOR TO INSTALLING ROLLER SLIDES AND TOP FUTURE ON THE U-BARS. SEE ATTACHMENT NOTES ON THIS SHEET.**

**PLACE U-BAR OVER INTERNAL RIS AND ATTACH WITH (2) 1/4"-20x1/2" COMPRISE SCREWS THRU PRE-PUNCHED HOLES AT EACH INTERMEDIATE HINGE LOCATION (1 THRU FLANGE OF U-BAR AND BOTTOM HINGE LEAF AND 1 THRU RIS OF U-BAR AND INTERNAL RIS OF SECTION).**

**PLACE U-BAR OVER INTERNAL RIS WITH NOTCH DOWN TO CLEAR BOTTOM BRACKET AND ATTACH THRU END CAP AT EACH END WITH (2) 1/4"-14x7/8" SELF DRILLING COMPRISE SCREWS AS SHOWN AND USE (2) 1/4"-14x7/8" SELF DRILLING COMPRISE SCREWS ACROSS THE BOTTOM OF THE BOTTOM U-BAR AT EACH PRE-PUNCHED HOLE AT EVERY HINGE LOCATION. USE (2) 1/4"-20x1/2" COMPRISE SCREWS AT ALL OTHER PRE-PUNCHED HOLE LOCATIONS.**

**ATTACH BOTTOM BRACKET TO BOTTOM U-BAR WITH (2) 1/4"-14x7/8" SELF DRILLING COMPRISE SCREWS.**

**IMPACT BOTTOM BRACKET**

**U-BAR ATTACHMENT NOTES:**

1. ALL U-BARS SHALL BE PLACED OVER INTERNAL RIS AND ATTACHED THRU PRE-PUNCHED HOLES IN THE TOP OF EACH END USED FOR INTERMEDIATE HINGE LOCATION, (2) 1/4"-14x7/8" SELF DRILLING COMPRISE SCREWS AT EACH END CAP (EXCEPT BOTH U-BARS ON BOTTOM SECTION - SEE DETAIL B AND C THIS SHEET), (2) 1/4"-14x7/8" COMPRISE SCREWS APPROXIMATELY 1/4" APART BETWEEN END OF DOOR AND INTERMEDIATE HINGE LOCATION, AND (1) 1/4"-14x7/8" COMPRISE SCREWS APPROXIMATELY 5" FROM EACH END. THERE SHALL BE A TOTAL OF (12) SCREWS ATTACHING EACH U-BAR EXCEPT BOTH U-BARS ON BOTTOM SECTION SHALL HAVE A TOTAL OF (10) SCREWS EACH.
2. WITH THE EXCEPTION OF THE (2) PRE-PUNCHED HOLES IN THE TOP OF EACH END USED FOR ATTACHMENT OF THE ROLLER SLIDES AND (2) PRE-PUNCHED HOLES IN THE BOTTOM OF EACH END USED FOR THE ATTACHMENT OF THE TOP FUTURE, UNLESS NOTED OTHERWISE ON THIS SPECIFICATION DRAWING, ALL PRE-PUNCHED HOLES IN ALL U-BARS SHALL BE ATTACHED TO THE DOOR WITH 1/4"-14x7/8" COMPRISE SCREWS.
3. 30 GA U-BARS SHALL BE STAMPED "3F" APPROXIMATELY 8" FROM EACH END.

**REVISIONS**

P3 CHANGES TO GENERAL FORMAT AND CHANGED U-BAR FACTORY TYPE AT END CAPS AND BOTTOM ROLLER. CHANGED CENTER HINGE BRACKET AND ADDED LOWER OPTION. CHANGED STRUT IDENTIFICATION METHOD FROM COLORED PAINT TO STAMPED NUMBER. GRT 3/7/08

P4 ADDED IMPACT RESISTANCE TO DOOR. ADDED 18 JAMB BRACKET AT 2" LOCATIONS. ADDED MODEL 9100/9100. NOTE 4 TO STATE THAT LOUVERS ARE NOT IMPACT RESISTANT. GRT 3/7/08

P5 MODIFIED JAMB BRACKET SCHEDULE FOR FAT OPTION. ADDED U-BAR TRACK DETAIL SHEET 2. GRT 4/7/08

**Wagne Dalton**  
3385 ADDISON DRIVE  
PENSACOLA, FLORIDA 32514  
(850) 474-9990

**STATIC PRESSURE RATINGS**  
DESIGN (PSF): +28.50/-30.80  
TEST (PSF): +40.35/-48.20  
IMPACT/CYCLIC RATED (YES/NO): YES

**APPROVED SIZES**  
MAX WIDTH: 8'-0"  
MAX HEIGHT: 8'-0"  
MAX SECTION HEIGHT: 21' (CHECKED)

**SCALE: N.T.S.**  
**DATE:** 3/7/08  
**DRAWN:** GRT  
**MRB**

**MODELS 5120/6100/9100**  
**WINDLOAD SPECIFICATION OPTION CODE 0228**

**SHEET 2 OF 2**  
**DRAWING PART NO. 318958**  
**REV. P5**

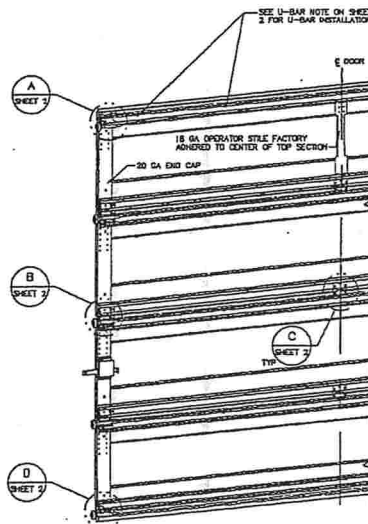
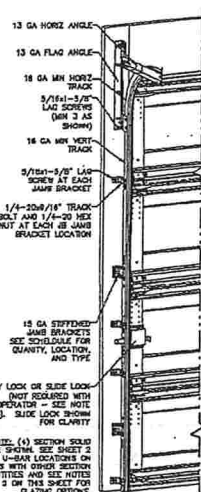
**GDI**

**GARAGE DOORS**  
8' - 9' Wide Wind Zone 125-130  
RELEASE DATE:

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

**REVISIONS:**  
1-18-08 Revise Garage Door Supplier  
2-19-09 Update to Code.

- NOTES:**
1. SHORT GLAZED PANEL OPTION - .000" MINIMUM 3/32" GLAZING IN MOLDED FRAMES GLUED WITH A 1/4" BEAD OF SILICONE GROUT ON EQUIVALENT UNDER THE OUTER FRAME AND SCREWED TOGETHER WITH A MINIMUM OF (8) 9/16" SCREWS INSTALLED IN TOP OR INTERMEDIATE SECTION (WITH OR WITHOUT DECORATIVE INSERTS) MEETS UNIFORM STATIC DESIGN PRESSURES SHOWN ON THIS DRAWING. GLAZING SHALL HAVE A MAXIMUM HEIGHT OF 13.75" AND A MAXIMUM LENGTH OF 18.75". GLAZING IS NOT IMPACT RESISTANT AND DOES NOT MEET THE REQUIREMENTS FOR WIND-BORNE DEBRIS RESISTANCE. SECTION REQUIRES OPERATOR STYLE TO BE FACTORY INSTALLED.
  2. LONG GLAZED PANEL OPTION - NOT AVAILABLE WITH THIS OPTION CODE.
  3. VENTIL OR WOOD DOOR STOP NEEDED A MAXIMUM OF 8" O.C. MUST OVERLAP TOP AND BOTH ENDS OF PANELS MINIMUM 7/16" TO MEET NEGATIVE PRESSURES.
  4. KEY LOCK, SLIDE LOCK, OR OPERATOR REQUIRED.
  5. SECTION SHALL BE CONSTRUCTED WITH FORMED IN PLACE POLYURETHANE FOAM INSULATION CHEMICALLY BONDED TO 30 GA MINIMUM GAGE STUD, AND A POLYURETHANE BACKGILD END CAP TO HAVE A MINIMUM 1.1" DEPTH.
  6. THE DESIGN OF THE SUPPORTING STRUCTURAL ELEMENTS SHALL BE THE RESPONSIBILITY OF THE BUILDING OR STRUCTURE AND IN ACCORDANCE WITH CURRENT BUILDING CODES FOR THE LOADS LISTED ON THIS DRAWING.
  7. DOOR JAMB TO BE MINIMUM 3/4" STRUCTURAL GRADE LUMBER. REFER TO JAMB CONNECTION SUPPLEMENT FOR ATTACHMENT TO SUPPORTING STRUCTURE.
  8. LOUVER OPTION - .000" MINIMUM ALUMINUM LOUVERS IN MOLDED FRAMES SCREWED TOGETHER WITH A MINIMUM OF (4) 9/16" SCREWS INSTALLED IN THE END PANELS OF THE BOTTOM SECTION. LOUVERS ARE NOT IMPACT RESISTANT AND DO NOT MEET THE REQUIREMENTS FOR WIND-BORNE DEBRIS RESISTANCE.



- REVISIONS**
1. ADDED SHORT PANEL GLAZING OPTION (NOTE 1) DRT 8/20/08
  2. ADDED IMPACT RESISTANCE TO DOOR. ADDED MODEL #100. MODIFIED NOTE 8 TO STATE THAT LOUVERS ARE NOT IMPACT RESISTANT. DRT 4/17/07
  3. MODIFIED JAMB BRACKET SCHEDULE FOR FAT OPTION. ADDED U-BR TRACK DETAIL SHEET 2. DRT 4/17/06

| SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE |                              |  |
|------------------------------------------------------------|------------------------------|--|
| DOOR HEIGHT                                                | UNIFORM LOAD EACH JAMB (PLF) |  |
| 8'-0" ALL                                                  | +1725/-104.4                 |  |
| 9'-0" ALL                                                  | +1844/-233.2                 |  |

| JAMB BRACKET SCHEDULE |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| DOOR NO. OF SECTIONS  | NO. OF JAMB BRACKETS (EACH JAMB) | TRACK TYPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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4071 321-0064 4005 MARONDA WAY SANFORD, FLORIDA

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| E. K.T.S.        |        | SIZE: A |  |
|                  | DATE   | NAME    |  |
| BY               | 3/8/08 | GRT     |  |
| CHECKED          | 4/8/08 | MRB     |  |
| SHEET 2 OF 2     |        |         |  |
| DRAWING PART NO. |        | REV.    |  |
| 318960           |        | P7      |  |



SHEET:

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

|                                     |
|-------------------------------------|
| REVISIONS :                         |
| 1-18-08 Revise Garage Door Supplier |
| 2-19-09 Update to Code.             |

**REVISIONS**

| NO. | DESCRIPTION                                                                                                                                     | DATE    |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| P1  | ADDED SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE                                                                                | 3/3/08  |
| P2  | ADDED SHORT PANEL GLAZING OPTION (NOTE 4) 6/20/08                                                                                               | 6/20/08 |
| P3  | ADDED IMPACT RESISTANCE TO DOOR. ADDED JAMB BRACKET AT 3" LOCATION. ADDED WOOD STUD HEIGHTS. NOTE 8 TO STATE THAT DOOR IS NOT IMPACT RESISTANT. | 8/10/08 |
| P4  | ADDED JAMB BRACKET SCHEDULE FOR TRACK OPTION. ADDED TRACK OPTION SHEET 2. 8/1/08                                                                | 8/1/08  |

**NOTES:**

(1) FOLLOWING DIMENSION DENOTES SLOTTED JAMB BRACKET ATTACHED TO TRACK WITH 1/4"-20x8/18" TRACK BOLT AND NUT. (2) 1" MINIMUM POLYURETHANE FOAM INSULATION TO BE INSTALLED IN BUTTERFLY SLUIT. NO ADDITIONAL HARDWARE NEEDED TO ATTACH TO TRACK.

**KEY LOCK OR SLIDE LOCK REQUIRED.**

**CONCRETE FLOOR SHALL BE 3-1/2" THICK AND 2000 PSI MINIMUM.**

**LOUVER OPTION - 300" MINIMUM ALUMINUM LOUVERS IN WOLDED FRAMES SLOTTED TOGETHER WITH A MINIMUM OF (8) 1/4" SLOTTED SCREWS INSTALLED IN THE END PANELS OF THE BOTTOM SECTION. LOUVERS ARE NOT IMPACT RESISTANT AND DO NOT MEET THE REQUIREMENTS FOR WIND-BORNE DEBRIS RESISTANCE.**

**SLIDE LOCK OR SLIDE LOCK REQUIRED.**

**KEY LOCK OR SLIDE LOCK BOTH ENDS (SEE NOTE 4). SLIDE LOCK SHOWN FOR CLARITY.**

**UNIT: (4) SECTION 30" DOOR DOOR SHOWN. SEE SHEET 2 FOR U-BAR LOCATIONS ON DOORS WITH OTHER SECTION QUANTITIES AND SEE NOTES 1 AND 2 ON THIS SHEET FOR GLAZING OPTIONS.**

**GLAZING OPTIONS:**

- 1. SHORT GLAZED PANEL OPTION - 200" MINIMUM 1/2" GLAZING IN WOLDED FRAMES GLUED WITH A 1/4" BEAD OF BUTTER 1100 OR EQUIVALENT UNDER THE GLASS FRAME AND SLOTTED TOGETHER WITH A MINIMUM OF (8) 1/4" SLOTTED SCREWS INSTALLED IN TOP OR INTERMEDIATE SECTION (WITH OR WITHOUT DEPRESSIVE HEIGHT) MEETS MINIMUM STATIC DESIGN PRESSURE SHOWN ON THE DRAWING. GLAZING SHALL HAVE A MAXIMUM HEIGHT OF 4.75" AND A MAXIMUM LENGTH OF 16.75". GLAZING IS NOT IMPACT RESISTANT AND DOES NOT MEET THE REQUIREMENTS FOR WIND-BORNE DEBRIS RESISTANCE. GLAZED SECTION REQUIRES 3-STRAIT SLOTTED TO LEADERS FOR SUPPORT AND OPERATIONAL PURPOSES. GLASS FACTORY INSTALLED. INSTALLER SHALL FOLD INSTALL (1) 1/4"-16x1/8" SELF DRILLING CONCRETE SCREW TO ATTACH LEAD TO THE INTERIOR, 18" AT THE CENTERLINE OF THE DOOR FOR DETAIL P ON SHEET 2.
- 2. LONG GLAZED PANEL OPTION - NOT AVAILABLE WITH THIS OPTION CODE.
- 3. VINYL OR WOOD DOOR STOP NEEDED A MAXIMUM OF 5" O.C. MUST OVERLAY TOP AND BOTH ENDS OF PANELS MINIMUM 7/16" TO MEET NEGATIVE PRESSURES.
- 4. KEY LOCK OR SLIDE LOCK REQUIRED.
- 5. SECTION SHALL BE CONSTRUCTED WITH FOAMED IN PLACE POLYURETHANE FOAM INSULATION ORIGINALLY SLOTTED TO 20 GA MINIMUM PAPER STEEL AND A POLYURETHANE BACKER END CAP TO HAVE A MINIMUM 1/4" CORNER.
- 6. THE DESIGN OF THE SUPPORTING STRUCTURAL ELEMENTS SHALL BE THE RESPONSIBILITY OF THE PROFESSIONAL OF RECORD FOR THE BUILDING OR STRUCTURE AND IN ACCORDANCE WITH CURRENT BUILDING CODES FOR THE LOADS LISTED ON THIS DRAWING.
- 7. DOOR JAMB TO BE MINIMUM 5/8" STRUCTURAL GRADE CHANNEL. REFER TO JAMB CONNECTION SUPPLEMENT FOR ATTACHMENT TO SUPPORTING STRUCTURE.
- 8. CONCRETE FLOOR SHALL BE 3-1/2" THICK AND 2000 PSI MINIMUM.
- 9. LOUVER OPTION - 300" MINIMUM ALUMINUM LOUVERS IN WOLDED FRAMES SLOTTED TOGETHER WITH A MINIMUM OF (8) 1/4" SLOTTED SCREWS INSTALLED IN THE END PANELS OF THE BOTTOM SECTION. LOUVERS ARE NOT IMPACT RESISTANT AND DO NOT MEET THE REQUIREMENTS FOR WIND-BORNE DEBRIS RESISTANCE.

**GLAZING OPTIONS:**

- 1. SHORT GLAZED PANEL OPTION - 200" MINIMUM 1/2" GLAZING IN WOLDED FRAMES GLUED WITH A 1/4" BEAD OF BUTTER 1100 OR EQUIVALENT UNDER THE GLASS FRAME AND SLOTTED TOGETHER WITH A MINIMUM OF (8) 1/4" SLOTTED SCREWS INSTALLED IN TOP OR INTERMEDIATE SECTION (WITH OR WITHOUT DEPRESSIVE HEIGHT) MEETS MINIMUM STATIC DESIGN PRESSURE SHOWN ON THE DRAWING. GLAZING SHALL HAVE A MAXIMUM HEIGHT OF 4.75" AND A MAXIMUM LENGTH OF 16.75". GLAZING IS NOT IMPACT RESISTANT AND DOES NOT MEET THE REQUIREMENTS FOR WIND-BORNE DEBRIS RESISTANCE. GLAZED SECTION REQUIRES 3-STRAIT SLOTTED TO LEADERS FOR SUPPORT AND OPERATIONAL PURPOSES. GLASS FACTORY INSTALLED. INSTALLER SHALL FOLD INSTALL (1) 1/4"-16x1/8" SELF DRILLING CONCRETE SCREW TO ATTACH LEAD TO THE INTERIOR, 18" AT THE CENTERLINE OF THE DOOR FOR DETAIL P ON SHEET 2.
- 2. LONG GLAZED PANEL OPTION - NOT AVAILABLE WITH THIS OPTION CODE.
- 3. VINYL OR WOOD DOOR STOP NEEDED A MAXIMUM OF 5" O.C. MUST OVERLAY TOP AND BOTH ENDS OF PANELS MINIMUM 7/16" TO MEET NEGATIVE PRESSURES.
- 4. KEY LOCK OR SLIDE LOCK REQUIRED.
- 5. SECTION SHALL BE CONSTRUCTED WITH FOAMED IN PLACE POLYURETHANE FOAM INSULATION ORIGINALLY SLOTTED TO 20 GA MINIMUM PAPER STEEL AND A POLYURETHANE BACKER END CAP TO HAVE A MINIMUM 1/4" CORNER.
- 6. THE DESIGN OF THE SUPPORTING STRUCTURAL ELEMENTS SHALL BE THE RESPONSIBILITY OF THE PROFESSIONAL OF RECORD FOR THE BUILDING OR STRUCTURE AND IN ACCORDANCE WITH CURRENT BUILDING CODES FOR THE LOADS LISTED ON THIS DRAWING.
- 7. DOOR JAMB TO BE MINIMUM 5/8" STRUCTURAL GRADE CHANNEL. REFER TO JAMB CONNECTION SUPPLEMENT FOR ATTACHMENT TO SUPPORTING STRUCTURE.
- 8. CONCRETE FLOOR SHALL BE 3-1/2" THICK AND 2000 PSI MINIMUM.
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- 8. CONCRETE FLOOR SHALL BE 3-1/2" THICK

[illegible]

# Wayne Dalton

| STATIC PRESSURE RATINGS                 |               | APPROVED SIZES      |        |
|-----------------------------------------|---------------|---------------------|--------|
| DESIGN (PSF)                            | +39.20/-13.70 | MAX WIDTH:          | 16'-0" |
| TEST (PSF)                              | +58.80/-65.55 | MAX HEIGHT:         | 6'-0"  |
| IMPACT/CYCLIC RATED (YES/NO):           | YES           | MAX SECTION HEIGHT: | 21'    |
| MODELS 5120/6100/9100                   |               |                     |        |
| WINDLOAD SPECIFICATION OPTION CODE 0235 |               |                     |        |

|                  |        |          |
|------------------|--------|----------|
| SCALE: N.T.S.    |        | SIZE:    |
|                  | DATE   | NAME     |
| DRAWN            | 3/3/08 | GRT      |
| CHECKED          | 4/8/08 | MRS      |
| SHEET 2 OF 2     |        |          |
| DRAWING PART NO. |        | REVISION |
| 319023           |        | P        |







Project Name: \_\_\_\_\_ Permit # \_\_\_\_\_  
Project Address: \_\_\_\_\_

REVISED 2-18-2005

| Category/Subcategory        | Manufacturer                          | Product Description                                                                                                       | Limitation of Use                                                                                                                                                         | State 2007W                                      | Design Pressures                             |
|-----------------------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|----------------------------------------------|
| <b>A. EXTERIOR DOORS</b>    |                                       |                                                                                                                           |                                                                                                                                                                           |                                                  |                                              |
| 1. Swinging                 | Plumco Inc. /<br>Noyes Plastics Corp. | Pilerglass Dr- Single<br>Pilerglass Dr-w/ Sticello<br>Pilerglass Dr-w/ DMI<br>Sticello<br>Pilerglass Dr- Single<br>Glazed | Evaluated for use in locations adhering to the design and where pressure requirements are as determined by ACSE 7 Minimum Design Loads for Building and Other Structures. | PL 6188.1<br>FL 6188.3<br>FL 6184.5              | +43 / -70<br>+50 / -50<br>+50 / -50          |
| 2. Sliding                  | Simonton Windows<br>Florida Extruders | Sliding Glass Doors<br>Glazed                                                                                             | 500 72K80 SCD-845<br>Millstone 1000 SCD<br>Millstone 1000 SCD                                                                                                             | FL 6729.1<br>FL 5979.1<br>FL 8409.2              | +50 / -50<br>+45 / -45                       |
| 3. Sectional                |                                       |                                                                                                                           |                                                                                                                                                                           |                                                  |                                              |
| 4. Roll up                  | Wayne Dalton Corp.                    | Garage Doors 120 10' -<br>16' w/ 9100 / 5120<br>Garage Doors 140 10' -<br>16' w/ 9100 / 5120<br>9' w/ 9100 / 5120         | As indicated in evaluation report and as determined by ACSE 7 Minimum Design Loads for Building and Other Structures.                                                     | FL 9174.3<br>FL 9174.1<br>FL 9174.6<br>FL 9174.5 | +43.9 / +3.8<br>+43.9 / +3.8<br>+43.2 / +9.6 |
| <b>B. WINDOWS</b>           |                                       |                                                                                                                           |                                                                                                                                                                           |                                                  |                                              |
| 1. Single hung              | Florida Extruders                     | Millstone Series 1000                                                                                                     | 53" x 84" Max Windows have and been evaluated for use in High Velocity Hurricane Zones.                                                                                   | FL 9262.2                                        | +45 / -45                                    |
| 2. Horizontal slider        | Florida Extruders                     | Millstone Series 1000                                                                                                     | Millstone Series 1000 Windows have not been evaluated for use in High Velocity Hurricane Zones.                                                                           | FL 9236.1                                        | +45 / -45                                    |
| 5. Fixed                    | Florida Extruders                     | Millstone Series 1000                                                                                                     | 71 3/4" x 84" Max Windows have not been evaluated for use in High Velocity Hurricane Zones.                                                                               | FL 9242.2                                        | +45 / -45                                    |
| <b>Category/Subcategory</b> | <b>Manufacturer</b>                   | <b>Product Description</b>                                                                                                | <b>Limitation of Use</b>                                                                                                                                                  | <b>State 2007W</b>                               | <b>Design Pressures</b>                      |
| 7. Pass-through             |                                       |                                                                                                                           |                                                                                                                                                                           |                                                  |                                              |
| 8. Projected                |                                       |                                                                                                                           |                                                                                                                                                                           |                                                  |                                              |
| 9. Multispan                | Florida Extruders                     | Millstone Tube Mail                                                                                                       | Evaluated for use in locations adhering to the design and where pressure requirements are determined by ACSE 7 Minimum Design Loads for Building and Other Structures.    | FL 3136-R3                                       | 60 PSF                                       |
| 10. Wind breaker            |                                       |                                                                                                                           |                                                                                                                                                                           |                                                  |                                              |
| 11. Dual action             |                                       |                                                                                                                           |                                                                                                                                                                           |                                                  |                                              |
| 12. Other                   |                                       |                                                                                                                           |                                                                                                                                                                           |                                                  |                                              |
| <b>C. PANEL WALL</b>        |                                       |                                                                                                                           |                                                                                                                                                                           |                                                  |                                              |
| 1. Sliding                  |                                       |                                                                                                                           |                                                                                                                                                                           |                                                  |                                              |
| 2. Solid                    | Alcoa Metal Corp                      | Quad 4 Aluminum<br>South Systems                                                                                          | For use as ceiling only; Not for use in HVHZ.                                                                                                                             | FL 4435-R1                                       | 62.0 PSF                                     |
| <b>D. ROOFING PRODUCTS</b>  |                                       |                                                                                                                           |                                                                                                                                                                           |                                                  |                                              |
| 1. Asphalt shingles         | Green Corning<br>Certain Teed Corp.   | Asphalt Shingle<br>Asphalt Shingle                                                                                        | This Approval is for use in the HVHZ. All FBC sections that apply to counties except Broward and Miami-Dade Must be followed.                                             | FL 1067-R1<br>FL 5444-R1                         | N/A<br>N/A                                   |
| 2. Underlayment             |                                       |                                                                                                                           |                                                                                                                                                                           |                                                  |                                              |
| 3. Roofing Membrane         |                                       |                                                                                                                           |                                                                                                                                                                           |                                                  |                                              |
| 4. Nonstructural metal roof |                                       |                                                                                                                           |                                                                                                                                                                           |                                                  |                                              |
| 5. Built-up roofing         |                                       |                                                                                                                           |                                                                                                                                                                           |                                                  |                                              |
| 6. Modified bitumens        | Polyglass USA                         | Two layer torch down                                                                                                      | The new design pressure for the selected assembly shall exceed the Zone 1 design pressure determined in accordance with FBC chapter 16.                                   | FL 1634-R4                                       | N/A / -<br>62.5                              |
| 7. Single ply roofing       |                                       |                                                                                                                           |                                                                                                                                                                           |                                                  |                                              |

| Category/Subcategory             | Manufacturer                                | Product Description                      | Limitation of Use                                                                                                                | State 2007#                                                         | Deletion<br>Preference |
|----------------------------------|---------------------------------------------|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|------------------------|
| 8. Roofing tiles                 |                                             |                                          |                                                                                                                                  |                                                                     |                        |
| 9. Roofing materials             |                                             |                                          |                                                                                                                                  |                                                                     |                        |
| 11. Wood shingles/shakes         |                                             |                                          |                                                                                                                                  |                                                                     |                        |
| 12. Roofing slate                |                                             |                                          |                                                                                                                                  |                                                                     |                        |
| 13. Liquid applied roofing       |                                             |                                          |                                                                                                                                  |                                                                     |                        |
| 14. Cement-adhesive              |                                             |                                          |                                                                                                                                  |                                                                     |                        |
| 15. Roof tile adhesive           |                                             |                                          |                                                                                                                                  |                                                                     |                        |
| 16. Spray applied                |                                             |                                          |                                                                                                                                  |                                                                     |                        |
| 17. Roof vents                   |                                             |                                          |                                                                                                                                  |                                                                     |                        |
| <b>II. STRUCTURAL COMPONENTS</b> |                                             |                                          |                                                                                                                                  |                                                                     |                        |
| 1. Storm Panels                  |                                             |                                          |                                                                                                                                  |                                                                     |                        |
|                                  | ART Building Products                       | 018" Galvanized Steel Storm Panel        | This product may only be installed on concrete, hollow concrete block or suitable for installation in the High Wind Speed > 140. | FL 7989-B2                                                          | +30 / -70              |
|                                  | Artisan Structures, Inc.                    | 26 GA UVA, Steel Panel                   |                                                                                                                                  | FL 5547                                                             | N/A                    |
|                                  | Alumit Structures Inc.                      | 24 & 22 GA Steel Panel                   |                                                                                                                                  | FL 4804                                                             | N/A                    |
|                                  | KID Manufacturing                           | KID STORM PANEL                          |                                                                                                                                  | FL 2773                                                             | N/A                    |
| <b>F. STRUCTURAL COMPONENTS</b>  |                                             |                                          |                                                                                                                                  |                                                                     |                        |
| Wood                             |                                             |                                          |                                                                                                                                  |                                                                     |                        |
| wood connector/anchor            | United Steel Products                       | Anchor, Hanger, Bolt, Spigot, Components | Subject to Limitation and Installation conditions specified in NGA-03-0105-05.                                                   | 35-43, 567-83, 568-83, 570-82, 271-82, 574-83, 575-82, 815-81, 816- |                        |
|                                  | Archonix, Hangers, Bolt, Spigot, Components | Wood Connectors                          |                                                                                                                                  |                                                                     |                        |

| Category/Subcategory  | Manufacturer           | Product Description       | Limitation of Use                                                                                                                                                                                                                                                     | Design                    |
|-----------------------|------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| 2. Tuna plates        | Miltek Industries Inc. | Tuna Connections          | No Limitation of Use.                                                                                                                                                                                                                                                 | Shade 2007W<br>FE 2197 R1 |
| 3. Engineered lumber  |                        |                           |                                                                                                                                                                                                                                                                       |                           |
| 4. Joisting           |                        |                           |                                                                                                                                                                                                                                                                       |                           |
| 5. Cooler-deckers     |                        |                           |                                                                                                                                                                                                                                                                       |                           |
| 6. Concrete subframes |                        |                           |                                                                                                                                                                                                                                                                       |                           |
| 7. Material           |                        |                           |                                                                                                                                                                                                                                                                       |                           |
| 8. Insulation forms   |                        |                           |                                                                                                                                                                                                                                                                       |                           |
| 9. Pivots             |                        |                           |                                                                                                                                                                                                                                                                       |                           |
| 10. Deck-roof         |                        |                           |                                                                                                                                                                                                                                                                       |                           |
| 11. Wall              |                        |                           |                                                                                                                                                                                                                                                                       |                           |
| 12. Sheds             |                        |                           |                                                                                                                                                                                                                                                                       |                           |
| 13. Other             | Powers Steel Inc.      | Pishook<br>Pishook(5-5/6) | Launch axial not exceed the allowable design load and spans. The Ullrich not used in a fire performance rated assembly. (Approved for use required when using corrugated lumber in UL1720 fire tests)<br>Not for use in fire tests<br>Approved countries at this time | 6264-R1<br>N/A            |
| G. SKYLIGHTS          |                        |                           |                                                                                                                                                                                                                                                                       |                           |
| 1. Sky light          |                        |                           |                                                                                                                                                                                                                                                                       |                           |
| 2. Other              |                        |                           |                                                                                                                                                                                                                                                                       |                           |
| H. REVEALERS          |                        |                           |                                                                                                                                                                                                                                                                       |                           |
| 1. REVEALERS          |                        |                           |                                                                                                                                                                                                                                                                       |                           |
| 2.                    |                        |                           |                                                                                                                                                                                                                                                                       |                           |

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

Authorized Project Agent  
(Contributor or Design Professional) \_\_\_\_\_ (Print Name) \_\_\_\_\_ (Signature)

Company Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  
 Telephone Number ( \_\_\_\_\_ ) \_\_\_\_\_ Fax Number ( \_\_\_\_\_ ) \_\_\_\_\_  
 Cell Phone Number ( \_\_\_\_\_ ) \_\_\_\_\_ E-mail Address \_\_\_\_\_

City of Fort St. Lucie Building Department Approval Submittal Affidavit

Contractor:

Revised 2-23-2009

Building Permit:

Building Address:

Opening Schedule Swing Doors, Overhead Doors, Sliding Doors, Fixed Glass, Windows & Skylights:

| Opening ID | Product                                    | Model #                       | Manufacturer                  | Glass            | Attachment Method                                                                                                                                                                                | Design Pressures | State Approved # |
|------------|--------------------------------------------|-------------------------------|-------------------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------|
| B          | Garage Door 7'X16'                         | 8100, 5120                    | Wayne Dalton                  |                  | Attach door bracket to jam w/ 5/16"x1-5/8" lag screws not to exceed 14" O.C. The 2x6 (jam) anchored by 8" J-bolts @ 24" O.C. Ea. side. Blk- 1/2"x3" lag, 1 5/8" emb.                             | +39.2 / -43.7    | FL 9174.6        |
| D          | Garage Door 7'x6"                          | 8100, 5120                    | Wayne Dalton                  |                  | Attach door bracket to jam w/ 5/16"x1-5/8" lag screws not to exceed 14" O.C. The 2x6 (jam) anchored by 8" J-bolts @ 24" O.C. Ea. side. Blk- 1/2"x3" lag, 1 5/8" emb.                             | +43.2 / -49.6    | FL 9174.5        |
| A          | Entry Door                                 | Distinction                   | Paspro Inc.                   | (SIDELITE TEMP.) | hanging 3/16" Tapcons @ 16" O.C. w/ 1-1/2" Embedment                                                                                                                                             | +50 / -50        | FL 6184          |
| A          | Windows w/ All 1x Wood Bucks               | Series 1000 Single Hung       | Florida Extruders / Milestone | See floor plan   | (3) 3/16" x 2 1/4" Tapcons w/ 1-1/4" Min. Embedment @ 24" O.C. Max. SEE DETAILS FOR ATTACHMENT OF 1x WOOD BUCK TO BLOCK                                                                          | +45 / -45        | FL 9282          |
| A          | Sliding Glass Door                         | Series 1000 SGD               | Florida Extruders / Milestone | TEMP.            | #10 x 1-3/4" screws to 2x wood buck w/ 1-1/2" Embedment @ top and sides. 3/16" x 1-3/4" Tapcons @ Threshold SEE DETAILS FOR ATTACHMENT OF 2x WOOD BUCK BLOCK                                     | +45 / -45        | FL 8409          |
| A          | Windows w/ All 1x Wood Bucks               | Series 1000 Horizontal Slider | Florida Extruders / Milestone | See floor plan   | (3) 3/16" x 2 1/4" Tapcons w/ 1-1/4" Min. Embedment @ 24" O.C. Max. SEE DETAILS FOR ATTACHMENT OF 1x WOOD BUCK TO BLOCK                                                                          | +45 / -45        | FL 9236          |
| A          | Windows w/ 1x Wood bucks and 1x Wood Bucks | Series 1000 Fixed             | Florida Extruders / Milestone | See floor plan   | (3) 3/16" x 3-1/4" Tapcons (w/ 1-1/4" Min. Embedment) @ 24" O.C. Max. @ 1x Wood Buck and #10 Screw w/ 1-1/2" Min. Embedment @ 2x Wood Buck SEE DETAILS FOR ATTACHMENT OF ALL WOOD BUCKS TO BLOCK | +45 / -45        | FL 9242          |
| A          | Windows w/ 2x Frame Wall                   | Series 1000 Single Hung       | Florida Extruders / Milestone | See floor plan   | (3) 10x1-3/4 Screws w/ 1-1/2" Min Embedment @ 24" O.C. Max.                                                                                                                                      | +45 / -45        | FL 9262          |

| Building Design Pressures |               |
|---------------------------|---------------|
| A                         | +35.3 / -38.2 |
| B                         | +29.7 / -33.1 |
| C                         | +35.3 / -47.2 |
| D                         | +31.0 / -35.1 |

| Product          | Model #                                 | Manufacturer                  | Frame-Block | Attachment Method                                                                                                                                                                                                                                                             | Design Pressures | State Approved # |
|------------------|-----------------------------------------|-------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------|
| Mullions         | FLA-45                                  | FLORIDA EXTRUDERS / MILESTONE | Block       | (2) #10 1 3/4" Panhead w/ 1 1/2" Min. Embedment (2) 1/4" x 2-1/4" Tapcons w/ 1 1/4" min. Embedment Window Frame to Mull#10 x 3/4" Screw                                                                                                                                       | +45 / -45        | FL3136-R3        |
| Roof             | CLASSIC                                 | OWENS CORNING                 |             | B x 1 1/4" 11-12 GA W/3/8" Head Roofing Nails Staple thru Soffit @ 3/8" width x 5/8" length. T-Nail (5/8" long into block or 1 3/8" Long into Siluxo over Block) or Staple 3/8" wide x 5/8" Length into wood @ 16" oc thru Channel. 1 1/4" SS Trim Nail thru Fascia @ 48" oc. | 46.71 Psf        | FL 4459 R1       |
| Soffit           | 16" Vented Soffit QUAD                  | ALSCO METAL CORP.             |             |                                                                                                                                                                                                                                                                               |                  |                  |
| Hurricane Panels | Galvalume Steel Non-Porous Storm Panels | ASI BUILDING PRODUCTS         | Block-Frame | 1/4" Raw Galk-in @ 12.5" O.C. w/ 7/8" Embedment 7/16" Brass Bushing & 1/4"-20 Screw @ 12.5" O.C. w/ 5/8" Embedment                                                                                                                                                            | +70 / -70        | FL 7989 R2       |

SELECTION OF THE PRODUCTS LISTED ARE BASED ON THE FLORIDA PRODUCT APPROVALS, RESPECTIVE MANUFACTURER'S APPROVALS, AND RESPONSIBILITY FOR THEIR PRODUCTS.

Copyright © 2005 MARONDA HOMES

**Maronda Homes**

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

FLORIDA: THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF SECTION 609 OF THE FLORIDA BUILDING CODE (2007) (ESSENTIAL). ALL CONNECTIONS HAVE BEEN CHECKED TO WITHSTAND ALL APPLICABLE LOADS EXPOSURE & ENCLOSED BUILDING.

NOT FOR CONSTRUCTION

| REVISIONS: |                           |
|------------|---------------------------|
| 10-29-07   | UPDATE LISTS              |
| 01-24-08   | UPDATE ROLL UP DOORS      |
| 09-14-08   | ADDED POWERS STEEL UNITS  |
| 09-16-08   | ADDED MANUF. EN'S/RS NOTE |
| 02-23-2009 | UPDATED FOR 2007 CODES    |

PSL PRODUCT AFFIDAVIT

FBC / FRC 2007 CODES

DRAWN BY: GARAGE: RELEASE DATE: MARCH 1, 2009

SHEET:







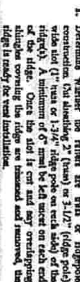
## Vest Size Standard, Vest Size Low Profile, Vest Size Mega Vest &amp; Vest

Vest Size Standard, Vest Size Low Profile, Vest Size Mega Vest &amp; Vest

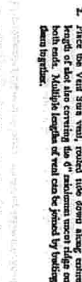
Vest Size Standard, Vest Size Low Profile, Vest Size Mega Vest &amp; Vest

Mechanical attachment of ridge vault system over composite shingles.

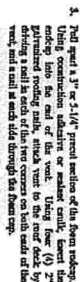
1



24. Overlapping water-lot logs (or wales or ridgepoles) constructed. (At shalting 2" (5 mm) or 3-1/2" (ridge pole), wale slot (1" wale or 1-3/4" ridge pole on each side) of the ridge(s). A minimum of 6" must be left uncut on each end of the ridge. Once the slot is cut and any overlapping shingles covering the ridge are removed and removed, the ridge is ready for vent installation.



2. *Tracheus* vein runs ventrally, rounded tube down along entire length of shot also covering the 6" subcutaneous insect ridge on both ends. Multiple lengths of vein can be joined by bridging *clausens* together.

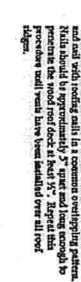


3. Drill square  $\frac{1}{2}$ " or  $3/16$ " precut sections of the foam roadway.



quired for the Vent One Ridge Vent and Ridge Roll.

entire length of the vessel.



and nail with roofing nails in a common overlapping pattern. Rafters should be approximately 5" apart and long enough to penetrate the wood roof deck at least 1/2". Repeat this procedure until rafters have been installed over all roof ridgeline.

Refer to manufacturers' published literature

3:12

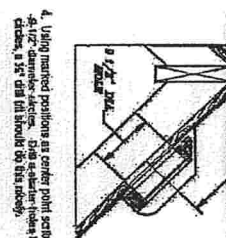
Thank you for your participation in participating the LOMANCO 7700 Flood Vent. The 7700 is an exhaust vent that will help eliminate stalling, heat and moisture from your attic when properly installed with Intello Vent®.

2)

hammer, Measure over 7-11/16" each side of the  
centerline. Mark these positions.

3. Warm air rises, therefore, you want to locate it where it's most possible to the highest. Let the Vent holes roughly 24" (30" Max.) down from the ceiling to keep the top of the roof vent below the ceiling. Make the ceiling board thicker than the floor board.

Since

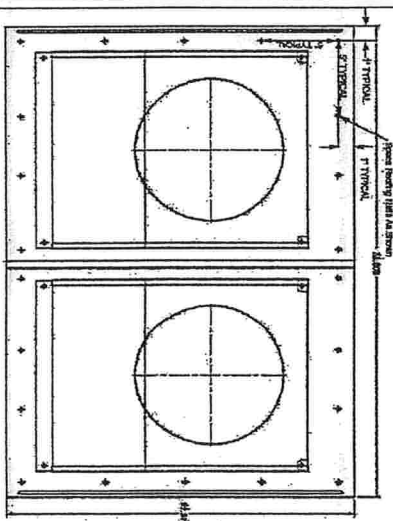


4. Using marked positions as center point, scribe  $8\frac{1}{2}$ " diameter circles. Draw a smaller circle, 6" circles, in 32" diam. fill should do this nicely.

7. Apply roofing cement around the edge of the flap at the top and sides.

B. Quarterly slide vent into place with arrow pointing up. Make sure throat of vent is centered over y hole. Fasten the base to roof decking with roof nails as shown below. Keep heads of nails unobtrusive to prevent water leakage.

9. Finish incrusting by sealing all seams and joints with roofing cement. Also use roofing cement to tie down loose edges of shingles.



## 1 of 2

**GARAGE:**

**Maronda Homes**

(407) 321-0064 4005 HARTING WAY SANITRD. FLORIDA

|                          |
|--------------------------|
| REVISIONS:               |
| 2-16-09 Updated to Code. |

RVD



Manufacturers

**ALUFAB**

ALUMINUM ROLLING MACHINERY & SUPPLIES  
ALUFAB INTERNATIONAL INC.  
12000 HW 20TH AVE.  
MIAMI, FL 33024  
Tel. (305) 488-4700  
Fax. (305) 488-0023

Product:  
24 & 22 ga  
Galvanized  
Steel Storm  
Panels

Engineers:  
**Eng'g @ Inc.**  
CA 91118  
5871 W. Santa Ana Blvd., 10-100  
Pomona, CA 91768  
Tel. (909) 582-0194  
Fax. (909) 582-0195

|                      |                                               |
|----------------------|-----------------------------------------------|
| Drawing No<br>05-162 | Date: 03/04/05<br>Scale: as<br>Design by: PMF |
| Sheet<br>5 of 8      | Revision:<br>PC 10000                         |

**ALUFAB**  
ALUMINUM REBARBARS LIMITED  
ALUMINUM STRUCTURAL  
13000 NW 38TH AVE.  
MIAMI, FL 33054  
Tel. (305) 688-1170  
Fax. (305) 688-8023

**Products:**  
24 & 22 ga.  
Galvanized  
Steel Storm  
Panels

**Company Info:**  
Engle 3hr.  
At 4118  
671 N.W. 30th St., Ft.  
Palm Beach, FL 33513  
Tel. (954) 582-0104  
Fax (954) 582-0595

|                                                         |                                              |         |                          |                 |
|---------------------------------------------------------|----------------------------------------------|---------|--------------------------|-----------------|
| Engineer Said<br>Peking Co Representative<br>At Station | Date: 03/04/93<br>Spent on<br>Design by PMAI | ACKNOWN | Drawing Number<br>05-162 | Shael<br>7 of 8 |
|---------------------------------------------------------|----------------------------------------------|---------|--------------------------|-----------------|

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**ALUFAB**  
ALUMINUM FABRICATING  
ALUMINUM ROOFING & Siding  
13200 WY SWIN AVE.  
MIAMI, FL 33254  
Tel.: (305) 688-4711  
Fax: (305) 689-0202

**Products**  
24 & 22 ga  
Galvanized  
Steel Storm  
Panels

**Geographical:**  
**Engel & Jnr.**  
CA 9115  
4871 N. Suncoast Blvd. H.  
Tampa, FL 33615  
Tel: (813) 285-0504  
Fax: (813) 285-0505

|                                                      |                                                |           |
|------------------------------------------------------|------------------------------------------------|-----------|
| Engineer's Seal<br>Project No. 19-001010<br>PL 10000 | Date: 03/04/03<br>Scale: as<br>Designed by PWT | REVISION: |
| Drawing Number<br>05-162                             |                                                |           |
| Sheet<br>8 of 8                                      |                                                |           |



**ANCHORSAFE**  
 BUILDING PRODUCTS  
 20 GAUGE GALV. STEEL  
 20 GAUGE GALV. STEEL  
 20 GAUGE GALV. STEEL  
 20 GAUGE GALV. STEEL

**ANCHORSAFE**  
 BUILDING PRODUCTS  
 20 GAUGE GALV. STEEL  
 20 GAUGE GALV. STEEL  
 20 GAUGE GALV. STEEL  
 20 GAUGE GALV. STEEL

**1 STEEL SHOT PANEL PROFILE**

**2 REINFORCING WIRE**

**3 WIRE MESH**

**4 WIRE MESH**

**5 WIRE MESH**

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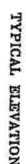
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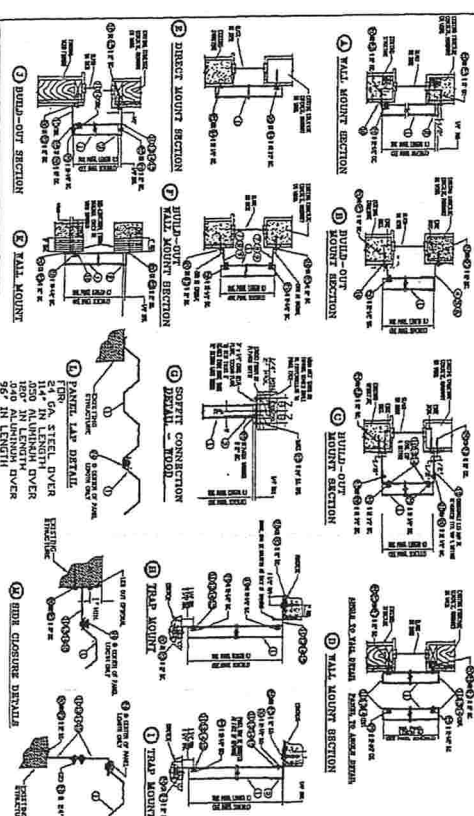


ERANT THAT THE PANELS WILL NOT OBTAIN HURRICANE PROTECTION. PANELS AND FASTENERS ARE INSTALLED AS SHOWN HEREIN AND ARE INSTALLED IN THE SAME MANNER THAT HANDING PANEL METHOD.

27

## HARDWARE NOTE

1. **CONCENTRATOR** used for use to calculate length of pathway to the "CONCENTRATOR" in the depth into the CONCENTRIC MASSPORT UNIT (CMU), CONCENTRIC OR WOOD FIBROUS MEMBER, CALCULATE
2. **ALL FACTORS MUST BE RECALCULATED** THE MASSPORTING MEMBER/DOVANTS.
3. **RECALCULATING FACTORS MUST COMPLY** WITH THE RECALCULATING OF THE DOVANT.

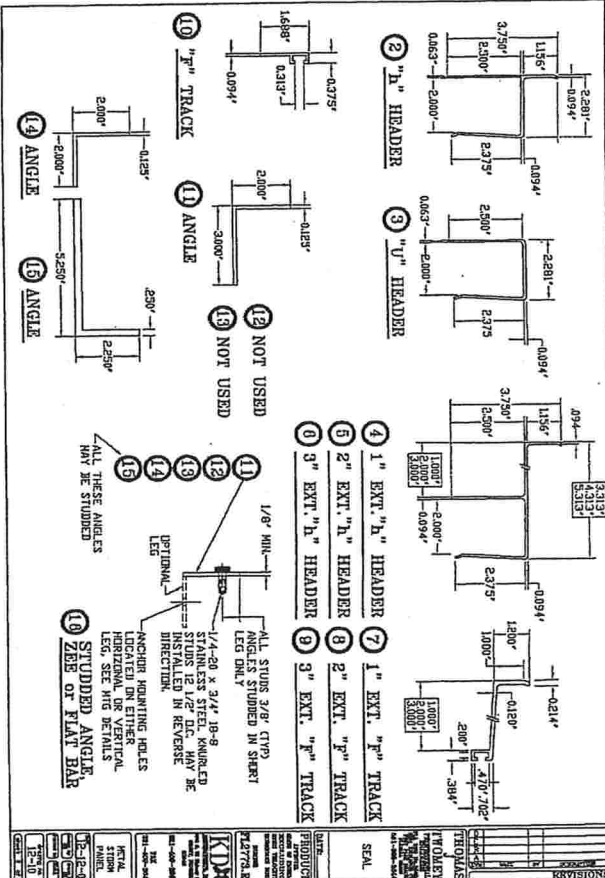
[illegible]

| POSITIVE<br>DESIGN LOAD<br>N<br>P.S.F. | NEGATIVE<br>DESIGN LOAD<br>N<br>P.S.F. | MAX. PANEL<br>LENGTH<br>L<br>(INCHES) |
|----------------------------------------|----------------------------------------|---------------------------------------|
| 47                                     | 50                                     | 98                                    |
| 50                                     | 56                                     | 90                                    |
| 53                                     | 62                                     | 84                                    |
| 58                                     | 68                                     | 76                                    |
| 62                                     | 75                                     | 70                                    |
| 66                                     | 79                                     | 60                                    |
| 70                                     | 84                                     | 54                                    |
| 76                                     | 90                                     | 48                                    |
| 80                                     | 96                                     | 42                                    |
| 86                                     | 102                                    | 36                                    |

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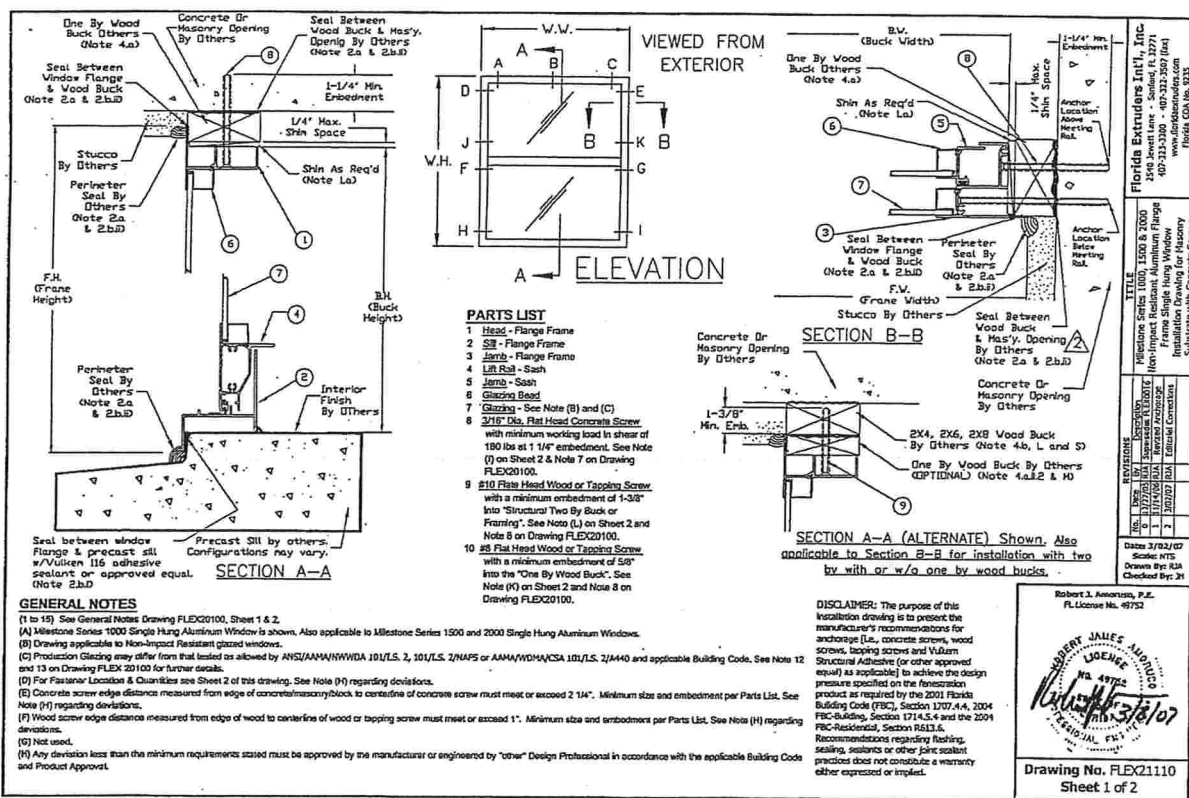
ASTM E 1366-02 and ASTM E 1366-02 WHICH MEET 2004 FLORIDA BUILDING CODE AND 2003 INTERNATIONAL BUILDING CODE WITH LIMITATIONS NOTED WITHIN APPROVED AND CREATING ENGINEERING DRAWING No. 10-12, DATED 12-8-2003. PANEL MUST BE INSTALLED ACCORDING TO ENGINEERING DRAWING TO MOST BE PROTECTED. INSTALLER MUST WEAR PROTECTIVE GLOVES WHEN HANDLING PANEL TO AVOID INJURY.



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| FASTENER LOCATION TABLE (see Elevation View) |        |        |                         |                        |  |
|----------------------------------------------|--------|--------|-------------------------|------------------------|--|
| Site Code                                    | Buck   |        | Concrete Screw Location |                        |  |
|                                              | Width  | Height | Head                    | Jamb                   |  |
| 12                                           | 18 1/8 | 25     | A, C                    | D, E, F, G, H, I       |  |
| 13                                           | 18 1/8 | 37 3/8 | A, C                    | D, E, F, G, H, I       |  |
| 14                                           | 18 1/8 | 49 5/8 | A, C                    | D, E, F, G, H, I       |  |
| 14S                                          | 18 1/8 | 55 1/4 | A, C                    | D, E, F, G, H, I       |  |
| 15                                           | 18 1/8 | 62     | A, C                    | D, E, F, G, H, I       |  |
| 16                                           | 18 1/8 | 71     | A, C                    | D, E, F, G, H, I, J, K |  |
| 17                                           | 18 1/8 | 83     | A, C                    | D, E, F, G, H, I, J, K |  |
| 1H2                                          | 25 1/2 | 25     | A, C                    | D, E, F, G, H, I       |  |
| 1H3                                          | 25 1/2 | 37 3/8 | A, C                    | D, E, F, G, H, I       |  |
| 1H4                                          | 25 1/2 | 49 5/8 | A, C                    | D, E, F, G, H, I       |  |
| 1H4S                                         | 25 1/2 | 55 1/4 | A, C                    | D, E, F, G, H, I       |  |
| 1H5                                          | 25 1/2 | 62     | A, C                    | D, E, F, G, H, I       |  |
| 1H6                                          | 25 1/2 | 71     | A, C                    | D, E, F, G, H, I, J, K |  |
| 1H7                                          | 25 1/2 | 83     | A, C                    | D, E, F, G, H, I, J, K |  |
| 3H2                                          | 29 1/2 | 25     | A, C                    | D, E, F, G, H, I       |  |
| 3H3                                          | 29 1/2 | 37 3/8 | A, C                    | D, E, F, G, H, I       |  |
| 3H4                                          | 29 1/2 | 49 5/8 | A, C                    | D, E, F, G, H, I       |  |
| 3H4S                                         | 29 1/2 | 55 1/4 | A, C                    | D, E, F, G, H, I       |  |
| 3H5                                          | 29 1/2 | 62     | A, C                    | D, E, F, G, H, I       |  |
| 3H6                                          | 29 1/2 | 71     | A, C                    | D, E, F, G, H, I, J, K |  |
| 3H7                                          | 29 1/2 | 83     | A, C                    | D, E, F, G, H, I, J, K |  |
| 22                                           | 36     | 25     | A, C                    | D, E, F, G, H, I       |  |
| 23                                           | 36     | 37 3/8 | A, C                    | D, E, F, G, H, I       |  |
| 24                                           | 36     | 49 5/8 | A, C                    | D, E, F, G, H, I       |  |
| 24S                                          | 36     | 55 1/4 | A, C                    | D, E, F, G, H, I       |  |
| 25                                           | 36     | 62     | A, C                    | D, E, F, G, H, I       |  |
| 26                                           | 36     | 71     | A, C                    | D, E, F, G, H, I, J, K |  |
| 27                                           | 36     | 83     | A, C                    | D, E, F, G, H, I, J, K |  |
| 482                                          | 47     | 25     | A, B, C                 | D, E, F, G, H, I       |  |
| 483                                          | 47     | 37 3/8 | A, B, C                 | D, E, F, G, H, I       |  |
| 484                                          | 47     | 49 5/8 | A, B, C                 | D, E, F, G, H, I       |  |
| 484S                                         | 47     | 55 1/4 | A, B, C                 | D, E, F, G, H, I       |  |
| 485                                          | 47     | 62     | A, B, C                 | D, E, F, G, H, I       |  |
| 486                                          | 47     | 71     | A, B, C                 | D, E, F, G, H, I, J, K |  |
| 487                                          | 47     | 83     | A, B, C                 | D, E, F, G, H, I, J, K |  |
| 32                                           | 52 1/8 | 25     | A, B, C                 | D, E, F, G, H, I       |  |
| 33                                           | 52 1/8 | 37 3/8 | A, B, C                 | D, E, F, G, H, I       |  |
| 34                                           | 52 1/8 | 49 5/8 | A, B, C                 | D, E, F, G, H, I       |  |
| 34S                                          | 52 1/8 | 55 1/4 | A, B, C                 | D, E, F, G, H, I       |  |
| 35                                           | 52 1/8 | 62     | A, B, C                 | D, E, F, G, H, I       |  |
| 36                                           | 52 1/8 | 71     | A, B, C                 | D, E, F, G, H, I, J, K |  |
| 37 (Note 1)                                  | 52 1/8 | 83     | A, B, C                 | D, E, F, G, H, I, J, K |  |

Notes 1) Only applicable to Series 2000.

FASTENER INSTALLATION INSTRUCTIONS - FLEX21110

3/16" DIA. CONCRETE SCREW WITH NON-STRUCTURAL ONE BY WOOD BUCK:

- (I) Where window is installed in an opening with a non-structural one by wood buck for the head and jambs and masonry or concrete sill, installation is as follows:
- At the head and jambs, use a 3/16" diameter concrete screw of sufficient length to achieve minimum embedment of 1-1/4" into masonry or concrete. See "Parts List" on Sheet 1 of this drawing for concrete screw size, embedment and load requirements. See FLEX20100, Note 7 for additional concrete screw requirements.
  - At the sill, apply a Structural Adhesive Sealant meeting the requirements of Note 2.b.i on FLEX20100 for the full length of the sill.

- (J) See fastener location table this sheet for concrete screw locations and any additional installation requirements.

- (K) Any remaining factory applied installation fastener hole in the head at location "T" not used for concrete screw installation per the fastener location table shall be filled with a #8 wood screws of sufficient length to provide min. 5/8" embedment into wood buck. See "Parts List" on Sheet 1 of this drawing for wood screw size and embedment requirements. See FLEX20100, Note 8 for additional wood screw requirements.

#10 WOOD SCREW WITH STRUCTURAL TWO BY WOOD BUCK AND OPTIONAL ONE BY WOOD BUCK (SECTION A-A ALTERNATE ILLUSTRATES THIS OPTION, SIMILAR FOR SECTION B-B):

- (L) Where window is installed in an opening with a structural two by wood buck for the head and jambs and a masonry or concrete sill, installation is as follows:
- At the head and jambs, use #10 wood screws of sufficient length to achieve 1-3/8" min. embedment into the two by wood buck. See "Parts List" on Sheet 1 of this drawing for wood screw size and embedment. See FLEX20100, Note 8 for additional wood screw requirements.
  - At the sill, apply a Structural Adhesive Sealant meeting the requirements of Note 2.b.i on FLEX20100 for the full length of the sill.

- (M) If a two by and one by wood buck are used together (See Section A-A Alternate, similar for Section B-B), then #10 wood screws of sufficient length to achieve 1-3/8" min. embedment into the two by wood buck will be used and the one by wood buck will be secured to the two by wood buck as required in Note 4.a.3.2 on drawing FLEX20100.

- (N) #10 wood screws shall be installed at all factory applied installation fastener hole locations.

- (O) Wood screws shall not be used to fasten assembly into the end grain of wood.

DESIGN PRESSURE RATING & FBC CODE COMPLIANCE

- (P) If exact window size is not listed in fastener installation table, use fastener quantity listed for next larger size.

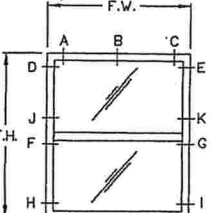
- (Q) Installations depicted in these instructions acceptable for design pressures to 70 PSF for the window sizes shown in the table. Design Pressures (D.P.) are positive and negative. Overall window assembly design pressure may be less than that shown in the fastener location table and shall be determined in accordance with Note 13 of FLEX20100.

- (R) Production Glazing may differ from that tested as allowed by ANSI/AAMA/NWDA 101/LS-2, 101/LS-2/NAPF or AAMA/NWDA/CSA 101/LS-2/M40 and applicable Building Code. See Note 12 and 13 on Drawing FLEX 20100 for further details.

- (S) Two by wood buck and/or framing at the head and jambs to be securely fastened to transfer the load to the masonry, concrete or other structural substrate per the FBC and the engineer of record's details as applicable.

- (T) See FLEX20100, Notes 10 to 15 for additional FBC Code Compliance.

VIEWED FROM EXTERIOR (FASTENER LOCATIONS)

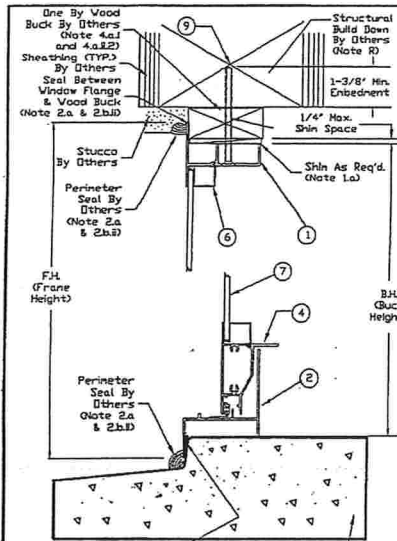


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**FASTENER**  
Milestone Series 1000, 1500 & 2000  
Non-Impact Resistant Aluminum Range  
Frame Single Hung Window  
Installation Drawing for Masonry  
Substrate with Concrete Screws

**REVISIONS**  
Date: 3/02/07  
Scale: NTS  
Drawn By: SJA  
Checked By: JH

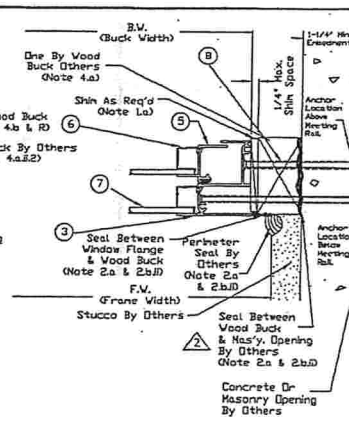
Drawing No. FLEX21110  
Sheet 2 of 2



SECTION A-A (ALTERNATE) Shown. Also applicable to Section B-B for installation with two by with or w/o one by wood bucks.

#### PARTS LIST

- 1 Head - Flange Frame
- 2 Sill - Flange Frame
- 3 Jamb - Flange Frame
- 4 L/R Rail - Sash
- 5 Jamb - Sash
- 6 Glazing Bead
- 7 Glazing - See Note (B) and (C)
- 8 2x16 Dia. Flat Head Concrete Screw, with minimum work load in shear of 180 lbs at 1 1/4\"/>
- 9 #10 Flat Head Wood or Tapping Screw, with a minimum embedment of 1-3/8\"/>



DISCLAIMER: The purpose of this installation drawing is to present the manufacturer's recommendations for anchorage (i.e., concrete screws, wood screws, tapping screws and Vulcon Structural Adhesive (or other approved equal) as applicable) to achieve the design pressures specified on the fastener product as required by the 2001 Florida Building Code (FBC), Section 1707.4.4, 2001 FBC-Building, Section 1714.4.4 and the 2004 FBC-Residential, Section R613.6. Recommendations regarding flashing, sealing, sealants or other joint sealant practices does not constitute a warranty either expressed or implied.

#### GENERAL NOTES

- (1 to 15) See General Notes Drawing FLEX20100, Sheet 1 & 2.
- (A) Milestone Series 1000 Single Hung Radius Head Aluminum Window is shown. Also applicable to Milestone Series 1500 and 2000 Single Hung Radius Head Aluminum Windows.
- (B) Drawing applicable to Non-Tempered Resistant glass windows.
- (C) Production Glazing may differ from that tested as allowed by ANSI/AAMA/NWDA 101/LS 2, 101/LS 2/NAPS or AAMA/WDMA/CSA 101/LS 2/AM40 and applicable Building Code. See Note 12 and 13 on Drawing FLEX 20100 for further details.
- (D) For Fastener Location & Quantities see Sheet 1 & 2 of this drawing respectively. See Note (H) regarding deviations.
- (E) Concrete screw edge distance measured from edge of concrete/masonry block to centerline of concrete screw must meet or exceed 2 1/4\"/>
- (F) Wood or tapping screw edge distance measured from edge of wood to centerline of wood or tapping screw must meet or exceed 1\"/>
- (G) Not used.
- (H) Any deviation less than the minimum requirements stated must be approved by the manufacturer or engineered by "other" Design Professional in accordance with the applicable Building Code and Product Approval.

FASTENER LOCATION TABLE (see Elevation View, Sheet 1)

| Series         | Size Code | Frame Width and Height |                      | Fastener Screw Location |                                       |
|----------------|-----------|------------------------|----------------------|-------------------------|---------------------------------------|
|                |           | Width                  | Height (Full Radius) | Head (Half Radius)      | Jamba (No. 10 WS or Concrete Screw)   |
| 1000/1500/2000 | 12        | 19 1/8                 | 28 13/16             | 28 9/16                 | A, B, C, D, E, F, G, H, I             |
| 1000/1500/2000 | 13        | 19 1/8                 | 39 3/16              | 40 11/16                | A, B, C, D, E, F, G, H, I             |
| 1000/1500/2000 | 14        | 19 1/8                 | 51 7/16              | 52 15/16                | A, B, C, D, E, F, G, H, I             |
| 1000/1500/2000 | 14S       | 19 1/8                 | 57 11/16             | 58 9/16                 | A, B, C, D, E, F, G, H, I             |
| 1000/1500/2000 | 15        | 19 1/8                 | 63 13/16             | 65 5/16                 | A, B, C, D, E, F, G, H, I             |
| 1000/1500/2000 | 16        | 19 1/8                 | 72 13/16             | 74 5/16                 | A, B, C, D, E, F, G, H, I, J, K       |
| 1000/1500      | 17        | 19 1/8                 | 84                   | 84                      | A, B, C, D, E, F, G, H, I, J, K       |
| 2000           | 17        | 19 1/8                 | 90                   | 85 5/16                 | A, B, C, D, E, F, G, H, I, J, K, Y, Z |
| 1000/1500/2000 | 18        | 26 1/2                 | 27 7/16              | 29 9/16                 | A, B, C, D, E, F, G, H, I             |
| 1000/1500/2000 | 19        | 26 1/2                 | 36 13/16             | 40 11/16                | A, B, C, D, E, F, G, H, I             |
| 1000/1500/2000 | 19H       | 26 1/2                 | 54 3/16              | 54 3/16                 | A, B, C, D, E, F, G, H, I             |
| 1000/1500/2000 | 19HS      | 26 1/2                 | 57 11/16             | 58 9/16                 | A, B, C, D, E, F, G, H, I             |
| 1000/1500/2000 | 19S       | 26 1/2                 | 64 7/16              | 66 9/16                 | A, B, C, D, E, F, G, H, I             |
| 1000/1500/2000 | 19H       | 26 1/2                 | 72 13/16             | 75 5/16                 | A, B, C, D, E, F, G, H, I, J, K       |
| 1000/1500      | 19T       | 26 1/2                 | 84                   | 84                      | A, B, C, D, E, F, G, H, I, J, K       |
| 2000           | 19T       | 26 1/2                 | 90                   | 87 9/16                 | A, B, C, D, E, F, G, H, I, J, K, Y, Z |
| 1000/1500/2000 | 20        | 30 1/2                 | 27 7/16              | 30 11/16                | A, B, C, D, E, F, G, H, I             |
| 1000/1500/2000 | 21        | 30 1/2                 | 40 13/16             | 42 3/4                  | A, B, C, D, E, F, G, H, I             |
| 1000/1500/2000 | 21H       | 30 1/2                 | 52 3/16              | 54 11/16                | A, B, C, D, E, F, G, H, I             |
| 1000/1500/2000 | 21HS      | 30 1/2                 | 58 1/16              | 60 23/16                | A, B, C, D, E, F, G, H, I             |
| 1000/1500/2000 | 21S       | 30 1/2                 | 64 7/16              | 67 11/16                | A, B, C, D, E, F, G, H, I             |
| 1000/1500/2000 | 21H       | 30 1/2                 | 72 13/16             | 75 5/16                 | A, B, C, D, E, F, G, H, I, J, K       |
| 1000/1500      | 21T       | 30 1/2                 | 84 1/16              | 83 47/16                | A, B, C, D, E, F, G, H, I, J, K       |
| 2000           | 21T       | 30 1/2                 | 90 1/16              | 89 47/16                | A, B, C, D, E, F, G, H, I, J, K, Y, Z |
| 1000/1500/2000 | 22        | 37                     | 28 5/16              | 31 5/16                 | A, B, C, D, E, F, G, H, I             |
| 1000/1500/2000 | 22H       | 37                     | 40 11/16             | 43 11/16                | A, B, C, D, E, F, G, H, I             |
| 1000/1500/2000 | 22S       | 37                     | 52 15/16             | 55 15/16                | A, B, C, D, E, F, G, H, I             |
| 1000/1500/2000 | 24S       | 37                     | 58 9/16              | 61 9/16                 | A, B, C, D, E, F, G, H, I             |
| 1000/1500/2000 | 25        | 37                     | 65 5/16              | 68 5/16                 | A, B, C, D, E, F, G, H, I             |
| 1000/1500/2000 | 26        | 37                     | 74 5/16              | 77 5/16                 | A, B, C, D, E, F, G, H, I, J, K       |
| 1000/1500      | 27        | 37                     | 84                   | 84                      | A, B, C, D, E, F, G, H, I, J, K       |
| 2000           | 27        | 37                     | 90                   | 89 5/16                 | A, B, C, D, E, F, G, H, I, J, K, Y, Z |
| 1000/1500/2000 | 44S       | 48                     | 29 7/16              | 33 7/16                 | A, B, C, D, E, F, G, H, I             |
| 1000/1500/2000 | 44H       | 48                     | 41 19/16             | 45 19/16                | A, B, C, D, E, F, G, H, I             |
| 1000/1500/2000 | 44S       | 48                     | 53 27/32             | 57 27/32                | A, B, C, D, E, F, G, H, I             |
| 1000/1500/2000 | 44H       | 48                     | 65 15/16             | 69 15/16                | A, B, C, D, E, F, G, H, I             |
| 1000/1500/2000 | 44S       | 48                     | 68 7/16              | 70 7/16                 | A, B, C, D, E, F, G, H, I             |
| 1000/1500/2000 | 44H       | 48                     | 75 7/16              | 79 7/16                 | A, B, C, D, E, F, G, H, I, J, K       |
| 1000/1500      | 48T       | 48                     | 84                   | 84 1/2                  | A, B, C, D, E, F, G, H, I, J, K       |
| 2000           | 48T       | 48                     | 90                   | 90 1/2                  | A, B, C, D, E, F, G, H, I, J, K, Y, Z |
| 1000/1500/2000 | 52        | 53 1/8                 | 22 21/32             | 34                      | A, B, C, D, E, F, G, H, I             |
| 1000/1500/2000 | 53        | 53 1/8                 | 47 1/32              | 48 3/8                  | A, B, C, D, E, F, G, H, I             |
| 1000/1500/2000 | 54        | 53 1/8                 | 54 9/32              | 55 5/8                  | A, B, C, D, E, F, G, H, I             |
| 1000/1500/2000 | 54S       | 53 1/8                 | 59 29/32             | 64 1/4                  | A, B, C, D, E, F, G, H, I             |
| 1000/1500/2000 | 55        | 53 1/8                 | 68 21/32             | 71                      | A, B, C, D, E, F, G, H, I             |
| 1000/1500/2000 | 56        | 53 1/8                 | 75 21/32             | 80                      | A, B, C, D, E, F, G, H, I, J, K       |
| 1000/1500      | n/a       | n/a                    | n/a                  | n/a                     | n/a                                   |
| 2000           | 57        | 53 1/8                 | 90                   | 90                      | A, B, C, D, E, F, G, H, I, J, K, Y, Z |

#### FASTENER INSTALLATION INSTRUCTIONS - FLEX22110

##### 3/16" DIA. CONCRETE SCREW WITH NON-STRUCTURAL ONE BY WOOD BUCK:

- (1) Where window is installed in an opening with a non-structural one by wood buck for the jamba and masonry or concrete sill, installation is as follows:
  - (1) At the jamba, use a 3/16" diameter concrete screw of sufficient length to achieve minimum embedment of 1-1/4" into masonry or concrete. See "Parts List" on Sheet 1 of this drawing for concrete screw size, embedment and load requirements. See FLEX20100, Note 7 for additional concrete screw requirements.
  - (2) At the sill, apply a Structural Adhesive Sealant for the full length of the sill meeting the requirements of Note 2.b.i on FLEX 20100.
- (2) See fastener installation table on this sheet for concrete screw locations in jamba and additional installation requirements.

##### #10 WOOD SCREW WITH (1) STRUCTURAL BUILD-DOWN FOR RADIUS HEAD, (2) OPTIONAL STRUCTURAL TWO BY WOOD BUCK AND (3) OPTIONAL ONE BY WOOD BUCK AT HEAD AND/OR JAMBS (SECTION A-A ALTERNATE ILLUSTRATES THIS OPTION FOR HEAD, SIMILAR FOR SECTION B-B AT JAMB):

- (1) Where window is installed in an opening with a (1) structural build-down for radius head, (2) optional structural two by wood buck and (3) optional one by wood buck at head and/or jamba, installation is as follows:
  - (1) For structural build-down at the head and/or two by wood buck at the head and/or jamba as applicable, use #10 wood screws of sufficient length to achieve 1-3/8" min. embedment into the two by wood buck and/or structural build-down. See "Parts List" on Sheet 1 of this drawing for wood screw size and embedment. See FLEX20100, Note 8 for additional wood screw requirements.
  - (2) For one by wood buck used in conjunction with a structural two by wood buck at the head and/or jamba as applicable use #10 wood screws of sufficient length to achieve 1-3/8" min. embedment into the two by wood buck. See "Parts List" on Sheet 1 of this drawing for wood screw size and embedment. See FLEX20100, Note 8 for additional wood screw requirements.
  - (3) At the sill, apply a Structural Adhesive Sealant for the full length of the sill meeting the requirements of Note 2.b.i on FLEX 20100.
- (1) If a two by and one by wood buck are used together (see Section A-A Alternate, similar for Section B-B), then #10 wood screws of sufficient length to achieve 1-3/8" min. embedment into the two by wood buck will be used and the one by wood buck will be secured to the two by wood buck as required in Note 4.a.i.ii on drawing FLEX20100.
- (2) #10 wood screws shall be installed at all factory applied installation fastener hole locations where applicable.
- (3) Wood screws shall not be used to fasten assembly into the end grain of wood.

#### DESIGN PRESSURE RATING & FBC CODE COMPLIANCE

- (1) If exact window size is not listed in fastener installation table, use fastener locations listed for next larger size.
- (2) Installations depicted in these instructions acceptable for design pressures to 70 PSF for the window sizes shown in the chart. Design Pressures (D.P.) are positive and negative. Overall window assembly design pressure may be less than that shown in the fastener quantity table and shall be determined in accordance with Note 13 of FLEX20100.
- (3) Production Glazing may differ from that tested as allowed by ANSI/AAMA/NWDA 101/LS 2, 101/LS 2/NAPS or AAMA/WDMA/CSA 101/LS 2/AM40 and applicable Building Code. See Note 12 and 13 on Drawing FLEX 20100 for further details.
- (4) Structural build-down at head, two by wood buck and/or framing at the head and jamba to be securely fastened to transfer the load to the masonry, concrete or other structural substrate per the FBC and the engineer of record's details as applicable.
- (5) See FLEX20100, Notes 10 to 15 for additional FBC Code Compliance.

#### FASTENER LOCATION TABLE NOTES:

1. This chart and Notes I, J, K, L, M and N for use when Radius Head Flange Window is installed in opening with the following attributes:
  - a. Wood Structural Build-Down at Head, and
  - b. Masonry/Concrete Substrate and One-By Wood Buck at Jamba.
2. Install Radius Head Flange Window using #10 Wood Screws with a 1-3/8" minimum embedment into the structural wood substrate in accordance with Notes K to N in an opening with the following attributes:
  - a. Wood Structural Build-Down at Head,
  - b. Optional Structural Two By Buck is installed at the head or jamba, and
  - c. Optional One By Wood Buck is installed at the head or jamba.
3. See Note R regarding structural framing requirements.
4. See Sheet 1 for Fastener Location Diagrams.
5. Fasteners Y & Z applicable to Series 2000 Size 37 Only. 3/16" Hole must be drilled in field.

Drawing No. FLEX22110  
Sheet 2 of 2

Florida Extruders Int'l., Inc.  
2540 Sweet Lane - Sanford, FL 32711  
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REVISIONS:

| REV. | DATE     | DESCRIPTION              |
|------|----------|--------------------------|
| 1    | 11/15/09 | Initial Release          |
| 2    | 11/15/09 | Revised to match drawing |
| 3    | 11/15/09 | Revised to match drawing |
| 4    | 11/15/09 | Revised to match drawing |
| 5    | 11/15/09 | Revised to match drawing |
| 6    | 11/15/09 | Revised to match drawing |
| 7    | 11/15/09 | Revised to match drawing |
| 8    | 11/15/09 | Revised to match drawing |
| 9    | 11/15/09 | Revised to match drawing |
| 10   | 11/15/09 | Revised to match drawing |
| 11   | 11/15/09 | Revised to match drawing |
| 12   | 11/15/09 | Revised to match drawing |
| 13   | 11/15/09 | Revised to match drawing |
| 14   | 11/15/09 | Revised to match drawing |
| 15   | 11/15/09 | Revised to match drawing |

Date: 11/15/09  
Scale: NTS  
Drawn By: JIA  
Checked By: JIA

Robert J. Amos, P.E.  
FL License No. 49732

JOSEPH JAMES AMOS  
No. 49732  
Professional Engineer  
Date: 11/15/09  
Drawing No. FLEX22110  
Sheet 1 of 2

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| 1    | 11/15/09 | Initial Release          |
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| 6    | 11/15/09 | Revised to match drawing |
| 7    | 11/15/09 | Revised to match drawing |
| 8    | 11/15/09 | Revised to match drawing |
| 9    | 11/15/09 | Revised to match drawing |
| 10   | 11/15/09 | Revised to match drawing |
| 11   | 11/15/09 | Revised to match drawing |
| 12   | 11/15/09 | Revised to match drawing |
| 13   | 11/15/09 | Revised to match drawing |
| 14   | 11/15/09 | Revised to match drawing |
| 15   | 11/15/09 | Revised to match drawing |

Date: 11/15/09  
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Drawn By: JIA  
Checked By: JIA

Drawing No. FLEX22110  
Sheet 2 of 2



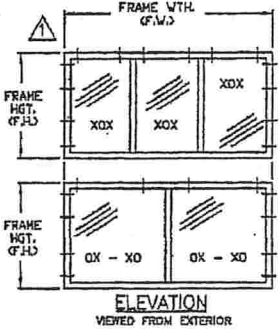


**FASTENER QUANTITIES TABLE (See Elevation View which depicts for illustrative purposes only maximum number of fasteners in Head & Jamb)**

| Series 1000 Horizontal Slider OX - OX Configuration |           |                          |      |       |
|-----------------------------------------------------|-----------|--------------------------|------|-------|
| Size Code                                           | Frame (1) | Passenger Quantities (2) | Head | Jamba |
| 1H2                                                 | 26 1/2    | 28                       | 4    | 2     |
| 1H3                                                 | 26 1/2    | 28 3/8                   | 4    | 2     |
| 1H4                                                 | 26 1/2    | 29 3/8                   | 4    | 2     |
| 1H4S                                                | 26 1/2    | 30 1/4                   | 4    | 2     |
| 1H5                                                 | 26 1/2    | 31                       | 4    | 2     |
| 1H6                                                 | 26 1/2    | 32                       | 4    | 2     |
| 3H2                                                 | 30 1/2    | 28                       | 4    | 2     |
| 3H3                                                 | 30 1/2    | 28 3/8                   | 4    | 2     |
| 3H4                                                 | 30 1/2    | 29 3/8                   | 4    | 2     |
| 3H4S                                                | 30 1/2    | 30 1/4                   | 4    | 2     |
| 3H5                                                 | 30 1/2    | 31                       | 4    | 2     |
| 3H6                                                 | 30 1/2    | 32                       | 4    | 2     |
| 22                                                  | 37        | 28                       | 4    | 2     |
| 23                                                  | 37        | 28 3/8                   | 4    | 2     |
| 24                                                  | 37        | 29 3/8                   | 4    | 2     |
| 24S                                                 | 37        | 30 1/4                   | 4    | 2     |
| 25                                                  | 37        | 31                       | 4    | 2     |
| 26                                                  | 37        | 32                       | 4    | 2     |
| 42                                                  | 48        | 28                       | 4    | 2     |
| 43                                                  | 48        | 28 3/8                   | 4    | 2     |
| 44                                                  | 48        | 29 3/8                   | 4    | 2     |
| 44S                                                 | 48        | 30 1/4                   | 4    | 2     |
| 45                                                  | 48        | 31                       | 4    | 2     |
| 46                                                  | 48        | 32                       | 4    | 2     |
| 52                                                  | 53 1/8    | 28                       | 4    | 2     |
| 53                                                  | 53 1/8    | 28 3/8                   | 4    | 2     |
| 54                                                  | 53 1/8    | 29 3/8                   | 4    | 2     |
| 54S                                                 | 53 1/8    | 30 1/4                   | 4    | 2     |
| 55                                                  | 53 1/8    | 31                       | 4    | 2     |
| 56                                                  | 53 1/8    | 32                       | 4    | 2     |

| Series 1000 Horizontal Slider OX - OX Configuration |           |                          |      |       |
|-----------------------------------------------------|-----------|--------------------------|------|-------|
| Size Code                                           | Frame (1) | Passenger Quantities (2) | Head | Jamba |
| 022                                                 | 74        | 28                       | 4    | 2     |
| 023                                                 | 74        | 28 3/8                   | 4    | 2     |
| 024                                                 | 74        | 29 3/8                   | 4    | 2     |
| 024S                                                | 74        | 30 1/4                   | 4    | 2     |
| 025                                                 | 74        | 31                       | 4    | 2     |
| 026                                                 | 74        | 32                       | 4    | 2     |
| 027                                                 | 74        | 33                       | 4    | 2     |
| 028                                                 | 74        | 34                       | 4    | 2     |
| 029                                                 | 74        | 35                       | 4    | 2     |
| 030                                                 | 74        | 36                       | 4    | 2     |
| 031                                                 | 74        | 37                       | 4    | 2     |
| 032                                                 | 74        | 38                       | 4    | 2     |
| 033                                                 | 74        | 39                       | 4    | 2     |
| 034                                                 | 74        | 40                       | 4    | 2     |
| 035                                                 | 74        | 41                       | 4    | 2     |
| 036                                                 | 74        | 42                       | 4    | 2     |
| 037                                                 | 74        | 43                       | 4    | 2     |
| 038                                                 | 74        | 44                       | 4    | 2     |
| 039                                                 | 74        | 45                       | 4    | 2     |
| 040                                                 | 74        | 46                       | 4    | 2     |
| 041                                                 | 74        | 47                       | 4    | 2     |
| 042                                                 | 74        | 48                       | 4    | 2     |
| 043                                                 | 74        | 49                       | 4    | 2     |
| 044                                                 | 74        | 50                       | 4    | 2     |
| 045                                                 | 74        | 51                       | 4    | 2     |
| 046                                                 | 74        | 52                       | 4    | 2     |
| 047                                                 | 74        | 53                       | 4    | 2     |
| 048                                                 | 74        | 54                       | 4    | 2     |
| 049                                                 | 74        | 55                       | 4    | 2     |
| 050                                                 | 74        | 56                       | 4    | 2     |
| 051                                                 | 74        | 57                       | 4    | 2     |
| 052                                                 | 74        | 58                       | 4    | 2     |
| 053                                                 | 74        | 59                       | 4    | 2     |
| 054                                                 | 74        | 60                       | 4    | 2     |
| 055                                                 | 74        | 61                       | 4    | 2     |
| 056                                                 | 74        | 62                       | 4    | 2     |
| 057                                                 | 74        | 63                       | 4    | 2     |
| 058                                                 | 74        | 64                       | 4    | 2     |
| 059                                                 | 74        | 65                       | 4    | 2     |
| 060                                                 | 74        | 66                       | 4    | 2     |
| 061                                                 | 74        | 67                       | 4    | 2     |
| 062                                                 | 74        | 68                       | 4    | 2     |
| 063                                                 | 74        | 69                       | 4    | 2     |
| 064                                                 | 74        | 70                       | 4    | 2     |
| 065                                                 | 74        | 71                       | 4    | 2     |
| 066                                                 | 74        | 72                       | 4    | 2     |
| 067                                                 | 74        | 73                       | 4    | 2     |
| 068                                                 | 74        | 74                       | 4    | 2     |
| 069                                                 | 74        | 75                       | 4    | 2     |
| 070                                                 | 74        | 76                       | 4    | 2     |
| 071                                                 | 74        | 77                       | 4    | 2     |
| 072                                                 | 74        | 78                       | 4    | 2     |
| 073                                                 | 74        | 79                       | 4    | 2     |
| 074                                                 | 74        | 80                       | 4    | 2     |
| 075                                                 | 74        | 81                       | 4    | 2     |
| 076                                                 | 74        | 82                       | 4    | 2     |
| 077                                                 | 74        | 83                       | 4    | 2     |
| 078                                                 | 74        | 84                       | 4    | 2     |
| 079                                                 | 74        | 85                       | 4    | 2     |
| 080                                                 | 74        | 86                       | 4    | 2     |
| 081                                                 | 74        | 87                       | 4    | 2     |
| 082                                                 | 74        | 88                       | 4    | 2     |
| 083                                                 | 74        | 89                       | 4    | 2     |
| 084                                                 | 74        | 90                       | 4    | 2     |
| 085                                                 | 74        | 91                       | 4    | 2     |
| 086                                                 | 74        | 92                       | 4    | 2     |
| 087                                                 | 74        | 93                       | 4    | 2     |
| 088                                                 | 74        | 94                       | 4    | 2     |
| 089                                                 | 74        | 95                       | 4    | 2     |
| 090                                                 | 74        | 96                       | 4    | 2     |
| 091                                                 | 74        | 97                       | 4    | 2     |
| 092                                                 | 74        | 98                       | 4    | 2     |
| 093                                                 | 74        | 99                       | 4    | 2     |
| 094                                                 | 74        | 100                      | 4    | 2     |

| Series 1000 Horizontal Slider OX - OX Configuration |           |                          |      |       |
|-----------------------------------------------------|-----------|--------------------------|------|-------|
| Size Code                                           | Frame (1) | Passenger Quantities (2) | Head | Jamba |
| 022                                                 | 74        | 28                       | 4    | 2     |
| 023                                                 | 74        | 28 3/8                   | 4    | 2     |
| 024                                                 | 74        | 29 3/8                   | 4    | 2     |
| 024S                                                | 74        | 30 1/4                   | 4    | 2     |
| 025                                                 | 74        | 31                       | 4    | 2     |
| 026                                                 | 74        | 32                       | 4    | 2     |
| 027                                                 | 108 1/4   | 28                       | 4    | 2     |
| 028                                                 | 108 1/4   | 28 3/8                   | 4    | 2     |
| 029                                                 | 108 1/4   | 29 3/8                   | 4    | 2     |
| 030                                                 | 108 1/4   | 30 1/4                   | 4    | 2     |
| 031                                                 | 108 1/4   | 31                       | 4    | 2     |
| 032                                                 | 108 1/4   | 32                       | 4    | 2     |
| 033                                                 | 108 1/4   | 33                       | 4    | 2     |
| 034                                                 | 108 1/4   | 34                       | 4    | 2     |
| 035                                                 | 108 1/4   | 35                       | 4    | 2     |
| 036                                                 | 108 1/4   | 36                       | 4    | 2     |
| 037                                                 | 108 1/4   | 37                       | 4    | 2     |
| 038                                                 | 108 1/4   | 38                       | 4    | 2     |
| 039                                                 | 108 1/4   | 39                       | 4    | 2     |
| 040                                                 | 108 1/4   | 40                       | 4    | 2     |
| 041                                                 | 108 1/4   | 41                       | 4    | 2     |
| 042                                                 | 108 1/4   | 42                       | 4    | 2     |
| 043                                                 | 108 1/4   | 43                       | 4    | 2     |
| 044                                                 | 108 1/4   | 44                       | 4    | 2     |
| 045                                                 | 108 1/4   | 45                       | 4    | 2     |
| 046                                                 | 108 1/4   | 46                       | 4    | 2     |
| 047                                                 | 108 1/4   | 47                       | 4    | 2     |
| 048                                                 | 108 1/4   | 48                       | 4    | 2     |
| 049                                                 | 108 1/4   | 49                       | 4    | 2     |
| 050                                                 | 108 1/4   | 50                       | 4    | 2     |
| 051                                                 | 108 1/4   | 51                       | 4    | 2     |
| 052                                                 | 108 1/4   | 52                       | 4    | 2     |
| 053                                                 | 108 1/4   | 53                       | 4    | 2     |
| 054                                                 | 108 1/4   | 54                       | 4    | 2     |
| 055                                                 | 108 1/4   | 55                       | 4    | 2     |
| 056                                                 | 108 1/4   | 56                       | 4    | 2     |
| 057                                                 | 108 1/4   | 57                       | 4    | 2     |
| 058                                                 | 108 1/4   | 58                       | 4    | 2     |
| 059                                                 | 108 1/4   | 59                       | 4    | 2     |
| 060                                                 | 108 1/4   | 60                       | 4    | 2     |
| 061                                                 | 108 1/4   | 61                       | 4    | 2     |
| 062                                                 | 108 1/4   | 62                       | 4    | 2     |
| 063                                                 | 108 1/4   | 63                       | 4    | 2     |
| 064                                                 | 108 1/4   | 64                       | 4    | 2     |
| 065                                                 | 108 1/4   | 65                       | 4    | 2     |
| 066                                                 | 108 1/4   | 66                       | 4    | 2     |
| 067                                                 | 108 1/4   | 67                       | 4    | 2     |
| 068                                                 | 108 1/4   | 68                       | 4    | 2     |
| 069                                                 | 108 1/4   | 69                       | 4    | 2     |
| 070                                                 | 108 1/4   | 70                       | 4    | 2     |
| 071                                                 | 108 1/4   | 71                       | 4    | 2     |
| 072                                                 | 108 1/4   | 72                       | 4    | 2     |
| 073                                                 | 108 1/4   | 73                       | 4    | 2     |
| 074                                                 | 108 1/4   | 74                       | 4    | 2     |
| 075                                                 | 108 1/4   | 75                       | 4    | 2     |
| 076                                                 | 108 1/4   | 76                       | 4    | 2     |
| 077                                                 | 108 1/4   | 77                       | 4    | 2     |
| 078                                                 | 108 1/4   | 78                       | 4    | 2     |
| 079                                                 | 108 1/4   | 79                       | 4    | 2     |
| 080                                                 | 108 1/4   | 80                       | 4    | 2     |
| 081                                                 | 108 1/4   | 81                       | 4    | 2     |
| 082                                                 | 108 1/4   | 82                       | 4    | 2     |
| 083                                                 | 108 1/4   | 83                       | 4    | 2     |
| 084                                                 | 108 1/4   | 84                       | 4    | 2     |
| 085                                                 | 108 1/4   | 85                       | 4    | 2     |
| 086                                                 | 108 1/4   | 86                       | 4    | 2     |
| 087                                                 | 108 1/4   | 87                       | 4    | 2     |
| 088                                                 | 108 1/4   | 88                       | 4    | 2     |
| 089                                                 | 108 1/4   | 89                       | 4    | 2     |
| 090                                                 | 108 1/4   | 90                       | 4    | 2     |
| 091                                                 | 108 1/4   | 91                       | 4    | 2     |
| 092                                                 | 108 1/4   | 92                       | 4    | 2     |
| 093                                                 | 108 1/4   | 93                       | 4    | 2     |
| 094                                                 | 108 1/4   | 94                       | 4    | 2     |
| 095                                                 | 108 1/4   | 95                       | 4    | 2     |
| 096                                                 | 108 1/4   | 96                       | 4    | 2     |
| 097                                                 | 108 1/4   | 97                       | 4    | 2     |
| 098                                                 | 108 1/4   | 98                       | 4    | 2     |
| 099                                                 | 108 1/4   | 99                       | 4    | 2     |
| 100                                                 | 108 1/4   | 100                      | 4    | 2     |



**DESIGN PRESSURE RATING & PRC CODE COMPLIANCE**

(P) If exact window size is not listed in fastener installation chart, use fastener quantity listed for next larger size.  
 (Q) Installations depicted in these instructions acceptable for design pressures to 60 PSF for the window sizes shown in the table. Design Pressures (D.P.) are positive and negative. Overall window assembly design pressures may be less than 60 PSF and shall be determined in accordance with Note 13 of FLEX25100.  
 (R) Production Glazing may differ from that tested as allowed by ANSI/AAMA/NWMA 101/LS, 2, 101/LS, 2/AMPS or AAMA/NWMA/CSA 101/LS, 2/AM40 and applicable Building Code. See Note 12 and 13 on Drawing FLEX 25100 for further details.  
 (S) Two by wood buck and/or fastening at the head and jamb to be securely fastened to transfer the load to the masonry, concrete or other structural substrate per the PRC and the engineer of record's details as applicable.  
 (T) See FLEX25100, Notes 10 to 15 for additional PRC Code Compliance.

**Fastener Quantities Table Notes:**  
 1) Buck Width and Height = Frame Width or Height - 1".  
 2) Only the required number of holes at the correct locations will be present in the frame based on the number of fasteners to be installed listed above.

Drawing No. FLEX25110  
 Sheet 2 of 2

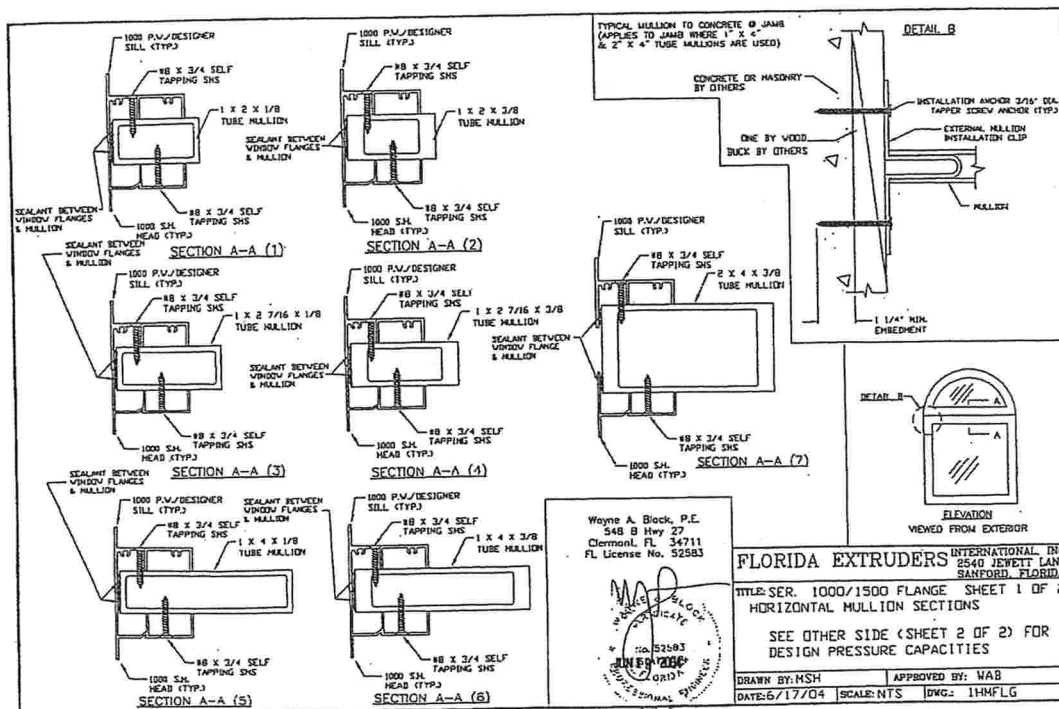
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**REVISIONS**

| NO. | DATE     | BY  | DESCRIPTION          |
|-----|----------|-----|----------------------|
| 1   | 12/14/06 | NTS | Initial Release      |
| 2   | 12/14/06 | NTS | Revised Per Comments |
| 3   | 12/14/06 | NTS | Revised Per Comments |
| 4   | 12/14/06 | NTS | Revised Per Comments |
| 5   | 12/14/06 | NTS | Revised Per Comments |
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| 63  | 12/14/06 | NTS | Revised Per Comments |
| 64  | 12/14/06 | NTS | Revised Per Comments |
| 65  | 12/14/06 | NTS | Revised Per Comments |
|     |          |     |                      |



MILLIONS



SHEET:

RELEASE DATE:

09/03/08

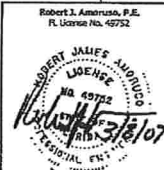
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## Maronda Homes

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#### REVISIONS:

2-16-09 Updated to Code.



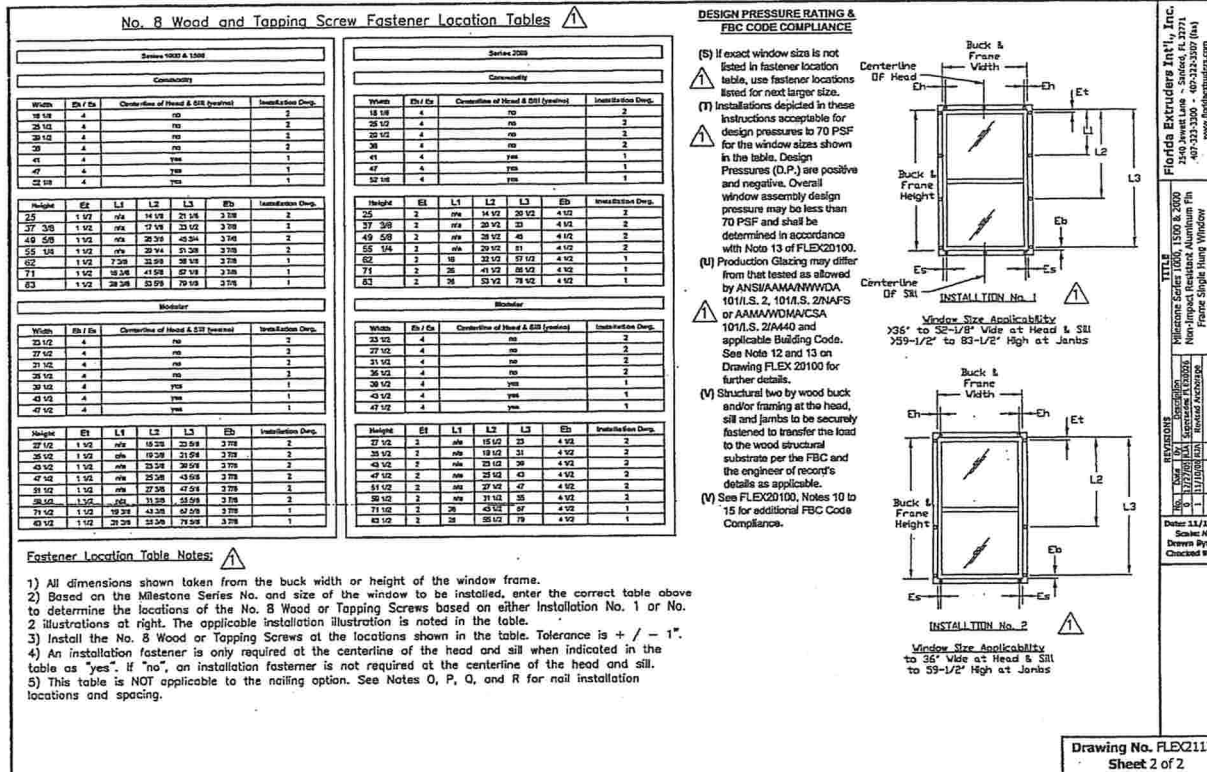
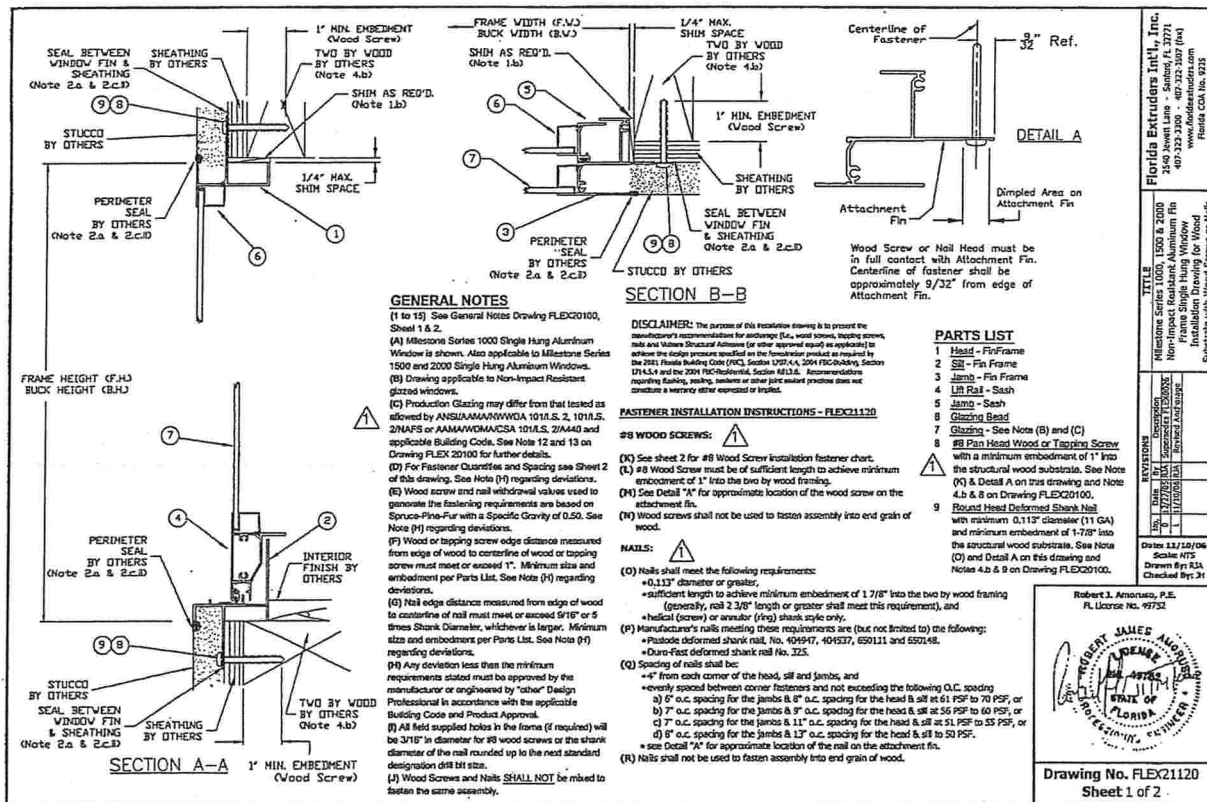
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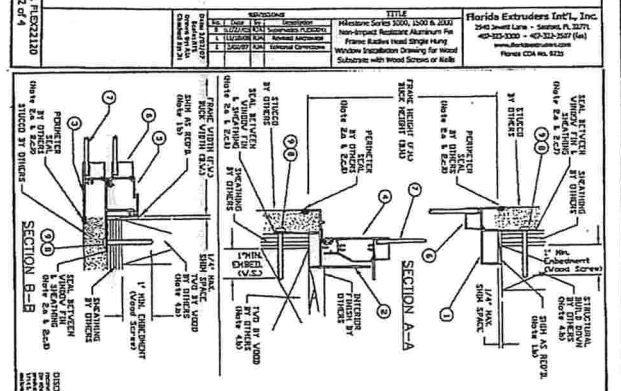
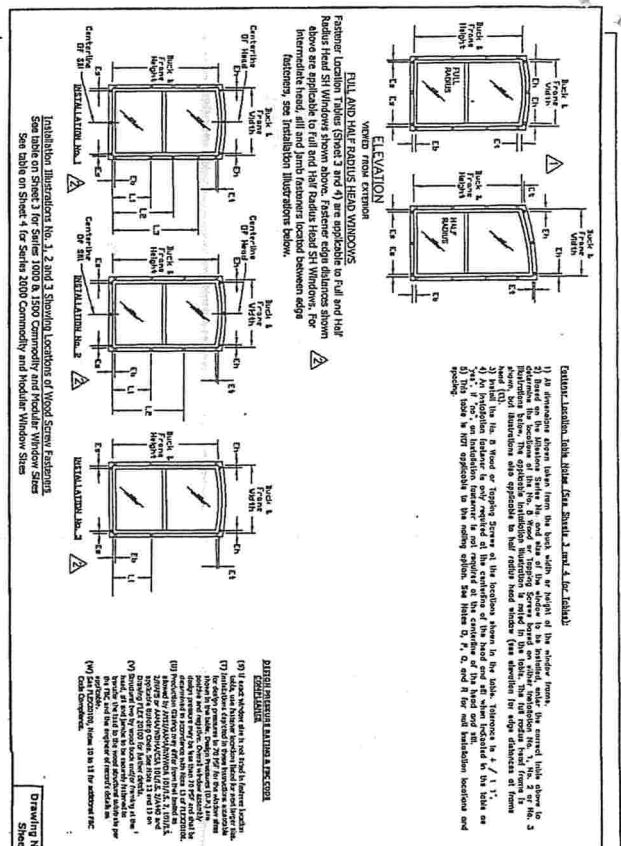
- 1) Some cases concrete covers are only required in one of the factory applied installation hole sets (i.e., a hole not being the hole being living in a plane perpendicular to the width of the door). In these cases concrete covers are not required in the other set of the holes and the concrete covers and the remaining holes will be filled in accordance with Notes C and D.
- 2) In some cases concrete covers are required in both factory applied installation hole sets. "1" through "14" designate in which size & configurations two concrete covers are required. The remaining holes will be filled in accordance with Notes C and D.
- a) "1" means, install two concrete covers in one set of installation holes.
- b) "2" means, install two concrete covers in two in pairs of installation holes.
- c) "3" means, install two concrete covers in three sets of installation holes.
- d) "4" means, install two concrete covers in four sets of installation holes.
- e) "5" means, install two concrete covers in five sets of installation holes.
- f) "6" means, install two concrete covers in six sets of installation holes.
- g) "7" means, install two concrete covers in seven sets of installation holes.
- h) "8" means, install two concrete covers in eight sets of installation holes.
- 3) Location of additional concrete covers in hand holes shall be determined as follows:
  - a) First adjacent to jamb(s) or butt scribed in hand & seal.
  - b) Secondly, at each end of hand & all near jamb corner, if needed.
  - c) Locations in hand & off other than just in hand & seal.
  - 4) Location of additional concrete covers in jamb(s) should be positioned as follows:
    - a) First, adjacent to locks in jamb(s).
    - b) Secondly, at each end of wood near hand & seal corners.
    - c) Locations in jamb(s) over jamb(s) and butt scribed in hand & seal.
  - 5) CS = concrete cover and WS = wood seal

(X) See FLEXQ0100, Notes 10 to 15 for additional FBC Code Compliance.

Drawing No. FLEX24111  
Sheet 2 of 2

|                          |
|--------------------------|
| REVISIONS :              |
| 2-16-09 Updated to Code. |





**GENERAL NOTES:**

- 1) All dimensions shown herein are to the face of the member unless otherwise noted.
- 2) The sash and frame are to be installed in accordance with the instructions on the back of the sash and frame.
- 3) The sash and frame are to be installed in accordance with the instructions on the back of the sash and frame.
- 4) The sash and frame are to be installed in accordance with the instructions on the back of the sash and frame.
- 5) The sash and frame are to be installed in accordance with the instructions on the back of the sash and frame.

**PARTS LIST:**

| QTY | DESCRIPTION      | UNIT |
|-----|------------------|------|
| 1   | Frame            | EA   |
| 1   | Sash             | EA   |
| 1   | Hardware         | EA   |
| 1   | Weatherstripping | EA   |
| 1   | Sealant          | EA   |

**DETAIL A**

**DETAIL B**

**REVISIONS:**

| NO. | DATE    | DESCRIPTION      |
|-----|---------|------------------|
| 1   | 2-16-09 | Updated to Code. |

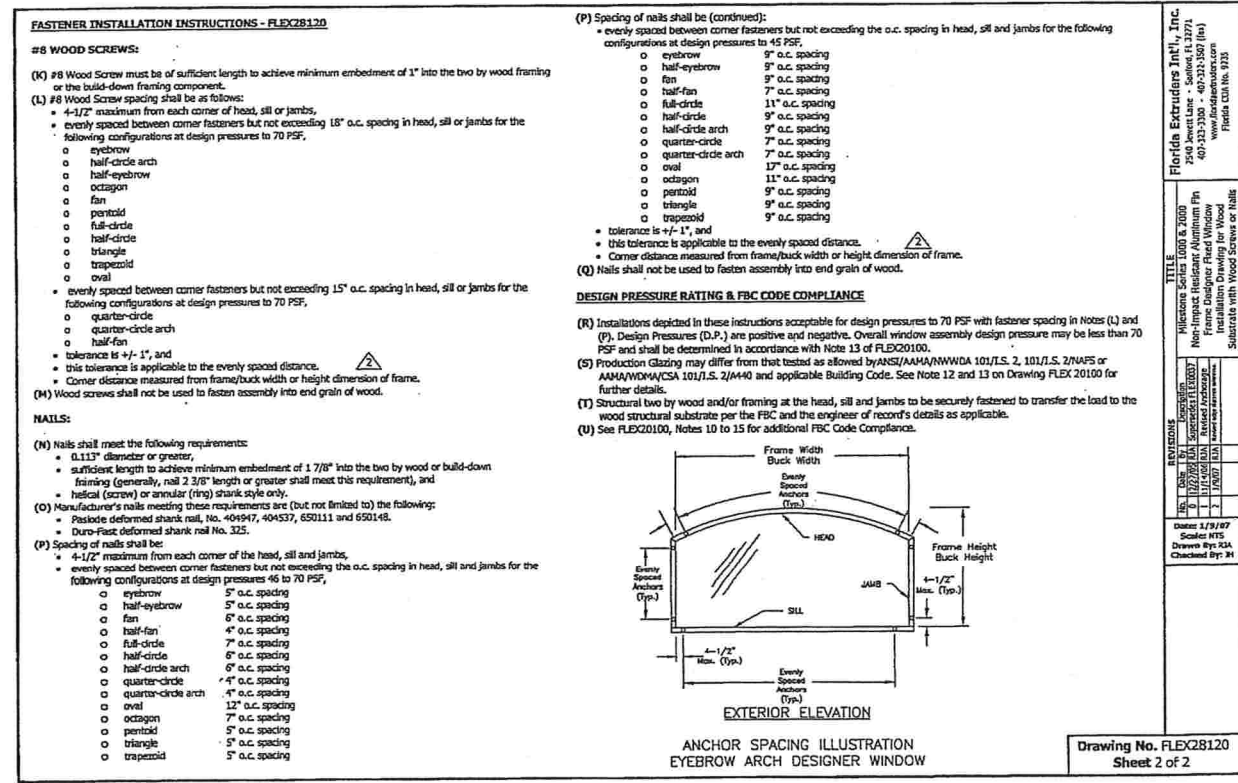
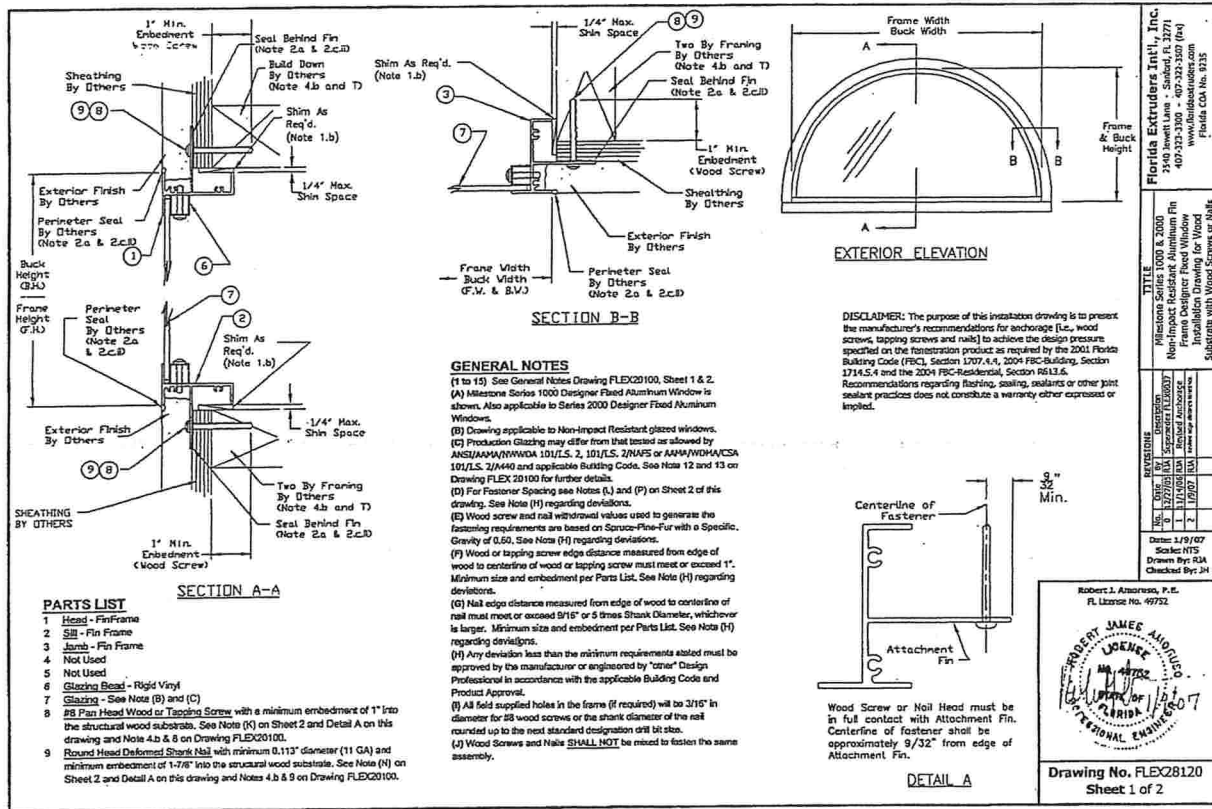
**FLORIDA EXTRUDERS**  
WINDOWS IN FRAME  
2 of 7

**Maronda Homes**  
14071 321-0064 4005 MARONDA WAY SANFORD, FLORIDA

# No. 8 Wood and Insulation Screw Fastener Location Tables - Series 1000 & 1500 Single Hung Full and Half Round Head Windows

| Screw Size       | Series 1000 |    |    |    | Series 1500 |    |    |    |
|------------------|-------------|----|----|----|-------------|----|----|----|
|                  | W           | H  | L  | C  | W           | H  | L  | C  |
| 1/4" x 1 1/2"    | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 3/8" x 1 1/2"    | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 1/2" x 1 1/2"    | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 5/8" x 1 1/2"    | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 3/4" x 1 1/2"    | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 7/8" x 1 1/2"    | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 1" x 1 1/2"      | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 1 1/8" x 1 1/2"  | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 1 1/4" x 1 1/2"  | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 1 1/2" x 1 1/2"  | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 1 3/4" x 1 1/2"  | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 2" x 1 1/2"      | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 2 1/4" x 1 1/2"  | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 2 1/2" x 1 1/2"  | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 2 3/4" x 1 1/2"  | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 3" x 1 1/2"      | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 3 1/4" x 1 1/2"  | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 3 1/2" x 1 1/2"  | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 3 3/4" x 1 1/2"  | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 4" x 1 1/2"      | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 4 1/4" x 1 1/2"  | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 4 1/2" x 1 1/2"  | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 4 3/4" x 1 1/2"  | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 5" x 1 1/2"      | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 5 1/4" x 1 1/2"  | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 5 1/2" x 1 1/2"  | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 5 3/4" x 1 1/2"  | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 6" x 1 1/2"      | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 6 1/4" x 1 1/2"  | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 6 1/2" x 1 1/2"  | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 6 3/4" x 1 1/2"  | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 7" x 1 1/2"      | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 7 1/4" x 1 1/2"  | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 7 1/2" x 1 1/2"  | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 7 3/4" x 1 1/2"  | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 8" x 1 1/2"      | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 8 1/4" x 1 1/2"  | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 8 1/2" x 1 1/2"  | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 8 3/4" x 1 1/2"  | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 9" x 1 1/2"      | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 9 1/4" x 1 1/2"  | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 9 1/2" x 1 1/2"  | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 9 3/4" x 1 1/2"  | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 10" x 1 1/2"     | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 10 1/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 10 1/2" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 10 3/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 11" x 1 1/2"     | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 11 1/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 11 1/2" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 11 3/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 12" x 1 1/2"     | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 12 1/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 12 1/2" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 12 3/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 13" x 1 1/2"     | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 13 1/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 13 1/2" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 13 3/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 14" x 1 1/2"     | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 14 1/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 14 1/2" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 14 3/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 15" x 1 1/2"     | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 15 1/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 15 1/2" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 15 3/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 16" x 1 1/2"     | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 16 1/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 16 1/2" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 16 3/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 17" x 1 1/2"     | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 17 1/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 17 1/2" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 17 3/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 18" x 1 1/2"     | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 18 1/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 18 1/2" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 18 3/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 19" x 1 1/2"     | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 19 1/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 19 1/2" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 19 3/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 20" x 1 1/2"     | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 20 1/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 20 1/2" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 20 3/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 21" x 1 1/2"     | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 21 1/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 21 1/2" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 21 3/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 22" x 1 1/2"     | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 22 1/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 22 1/2" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 22 3/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 23" x 1 1/2"     | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 23 1/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 23 1/2" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 23 3/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 24" x 1 1/2"     | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 24 1/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 24 1/2" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 24 3/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 25" x 1 1/2"     | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 25 1/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 25 1/2" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 25 3/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 26" x 1 1/2"     | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 26 1/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 26 1/2" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 26 3/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 27" x 1 1/2"     | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 27 1/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 27 1/2" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 27 3/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 28" x 1 1/2"     | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 28 1/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 28 1/2" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 28 3/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 29" x 1 1/2"     | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 29 1/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 29 1/2" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 29 3/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 30" x 1 1/2"     | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 30 1/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 30 1/2" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 30 3/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 31" x 1 1/2"     | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 31 1/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 31 1/2" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 31 3/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 32" x 1 1/2"     | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 32 1/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 32 1/2" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 32 3/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 33" x 1 1/2"     | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 33 1/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 33 1/2" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 33 3/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 34" x 1 1/2"     | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 34 1/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 34 1/2" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 34 3/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 35" x 1 1/2"     | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 35 1/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 35 1/2" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 35 3/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 36" x 1 1/2"     | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 36 1/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 36 1/2" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 36 3/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 37" x 1 1/2"     | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 37 1/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 37 1/2" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 | 12 |
| 37 3/4" x 1 1/2" | 12          | 12 | 12 | 12 | 12          | 12 | 12 |    |





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 407-232-3302 - 407-232-3501 (fax)  
 www.floridextruders.com  
 Florida CCB No. 9235

**REVISIONS**

| NO. | DATE    | DESCRIPTION       |
|-----|---------|-------------------|
| 1   | 1/12/06 | Initial Release   |
| 2   | 1/12/06 | Revised Anchorage |
| 3   | 1/12/06 | Revised Anchorage |
| 4   | 1/12/06 | Revised Anchorage |

Date: 1/19/07  
 Scale: NTS  
 Drawn By: RJA  
 Checked By: JH

Robert J. Amoroso, P.E.  
 FL License No. 49752

**Drawing No. FLEX28120**  
 Sheet 1 of 2

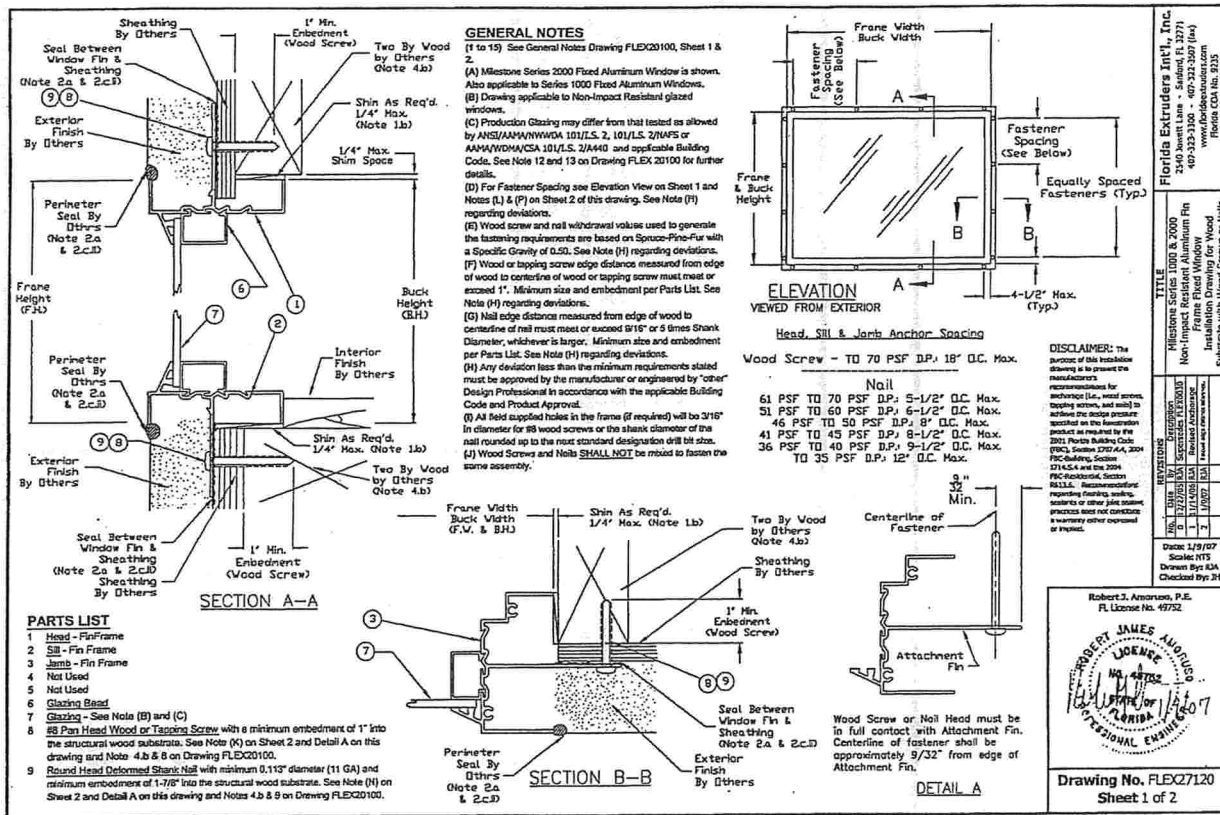
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 Florida CCB No. 9235

**REVISIONS**

| NO. | DATE    | DESCRIPTION       |
|-----|---------|-------------------|
| 1   | 1/12/06 | Initial Release   |
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| 3   | 1/12/06 | Revised Anchorage |
| 4   | 1/12/06 | Revised Anchorage |

Date: 1/19/07  
 Scale: NTS  
 Drawn By: RJA  
 Checked By: JH

**Drawing No. FLEX28120**  
 Sheet 2 of 2



# FASTENER INSTALLATION INSTRUCTIONS - FLEX27120

## #8 WOOD SCREWS:

- (K) #8 Wood Screw must be of sufficient length to achieve minimum embedment of 1" into the two by wood framing.
- (L) Spacing of wood screws shall be:
  - 4-1/2" max. from each corner of the head, sill and jambs, and
  - evenly spaced between corner fasteners but not exceeding 18" o.c. spacing for the head, sill and jambs as shown in Elevation View on Sheet 1 of this drawing.
  - Tolerance is +/- 1". This tolerance is applicable to the evenly spaced distance.
  - Corner distance measured from frame/buck width or height dimension of frame.
- (M) Wood screws shall not be used to fasten assembly into end grain of wood.

## NAILS:

- (N) Nails shall meet the following requirements:
  - 0.113" diameter or greater,
  - sufficient length to achieve minimum embedment of 1 7/8" into the two by wood framing (generally, nail 2 3/8" length or greater shall meet this requirement), and
  - helical (screw) or annular (ring) shank style only.
- (O) Manufacturer's nails meeting these requirements are (but not limited to) the following:
  - Periodic deformed shank nail, No. 404947, 404537, 650111 and 650148.
  - Duro-Fast deformed shank nail No. 325.
- (P) Spacing of nails shall be:
  - 4-1/2" max. from each corner of the head, sill and jambs, and
  - evenly spaced between corner fasteners and not exceeding o.c. spacing for the head, sill and jambs as shown in Elevation View on Sheet 1 of this drawing.
  - Tolerance is +/- 1". This tolerance is applicable to the evenly spaced distance.
  - Corner distance measured from frame/buck width or height dimension of frame.
- (Q) Nails shall not be used to fasten assembly into end grain of wood.

# DESIGN PRESSURE RATING & FBC CODE COMPLIANCE

- (R) Installations depicted in these instructions acceptable for design pressures to 70 PSF with fastener spacing shown in the Elevation View on Sheet 1 of this drawing for the following window sizes:
  - to 52 1/8" x 95
  - to 63" x 97
  - to 71" x 71"
  - to 73" x 73"
  - to 83" x 55 1/4"
  - to 85" x 49 5/8"
  - to 119" x 37 3/8"
- Design Pressures (D.P.) are positive and negative. Overall window assembly design pressure may be less than 70 PSF and shall be determined in accordance with Note 13 of FLEX20100.
- (S) Production Glazing may differ from that tested as allowed by ANSI/AAMA/NWFA 101/LS 2, 101/LS 2/NAFS or AAMA/NWFA/CSA 101/LS 2/NAFS and applicable Building Code. See Note 12 and 13 on Drawing FLEX 20100 for further details.
- (T) Structural two by wood buck and/or framing at the head, sill and jambs to be securely fastened to transfer the load to the wood structural substrate per the FBC and the engineer of record's details as applicable.
- (U) See FLEX20100, Notes 10 to 15 for additional FBC Code Compliance.

Drawing No. FLEX27120  
Sheet 2 of 2

FLORIDA EXTRUDERS  
WINDOWS IN FRAME  
4 of 7

RELEASE DATE: 09/03/08

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Maronda Homes

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REVISIONS:  
3-11-08 Revised  
2-16-09 Updated to Code.

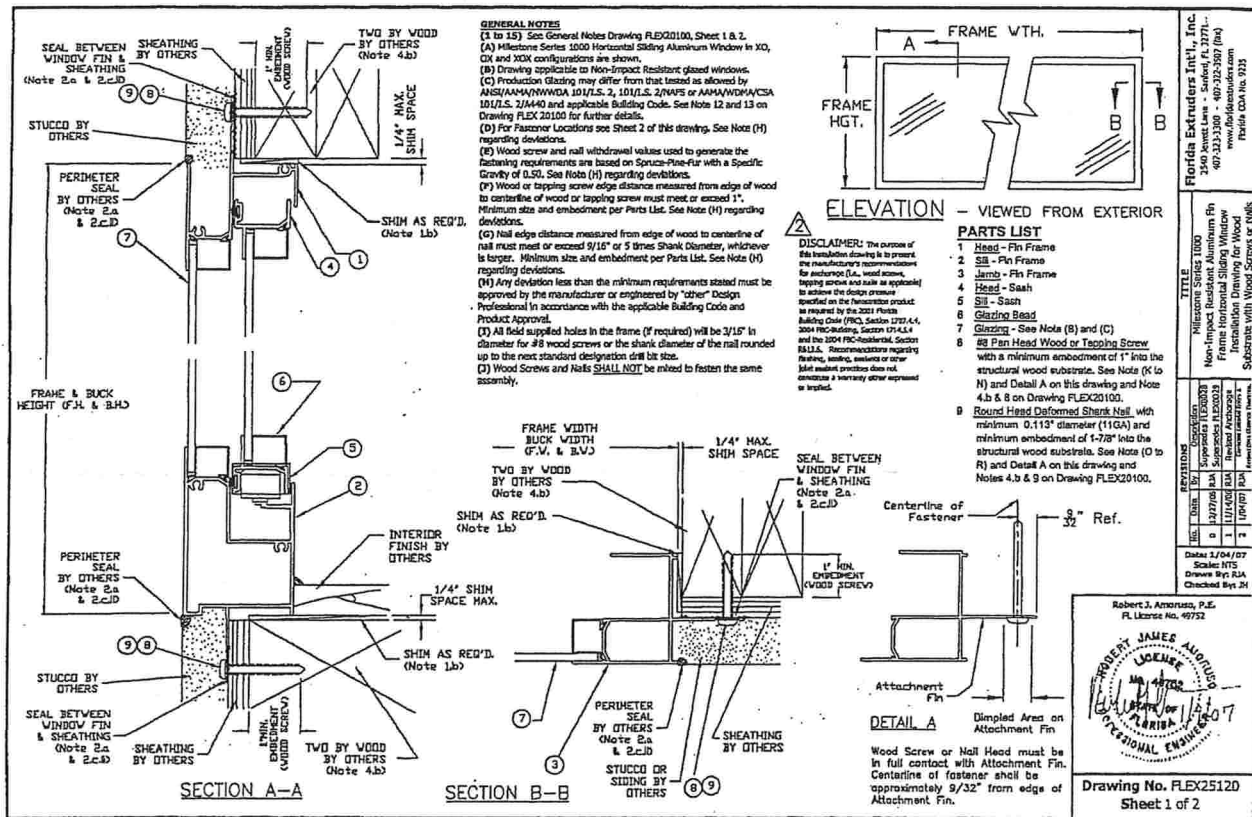
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Florida COA No. 9335

DISCLAIMER: The purpose of this installation drawing is to present the manufacturer's recommendations for fasteners (i.e., wood screws, tapping screws, and nails) to achieve the design pressure specified on the fastener product as required by the 2001 Florida Building Code (FBC), Section 2701.4.4, 2001 FBC Building, Section 2714.4.4 and the 2004 FBC Building, Section 2714.4.4. The manufacturer's recommendations regarding framing, working, details or other joint details are not intended to constitute a warranty either expressed or implied.

Robert J. Ammons, P.E.  
FL License No. 49752  
Professional Engineer  
STATE OF FLORIDA  
EXPIRATION DATE 12/31/07

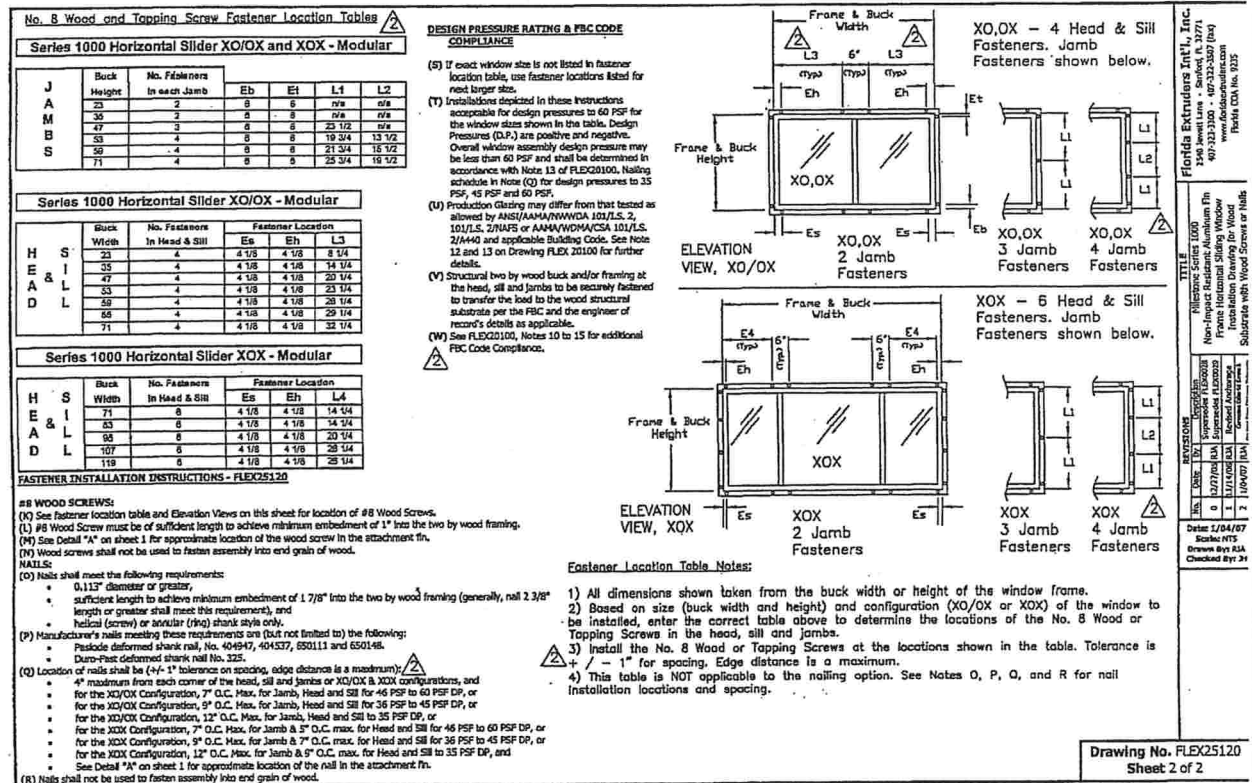


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 407-321-3300 • 407-321-3307 (fax)  
 www.floridawindows.com  
 Florida COA No. 9236

**REVISIONS**

| NO. | DATE     | DESCRIPTION                                      |
|-----|----------|--------------------------------------------------|
| 1   | 11/04/07 | Scale: NTS<br>Drawn By: J.A.<br>Checked By: J.A. |

Drawing No. FLEX25120  
 Sheet 1 of 2

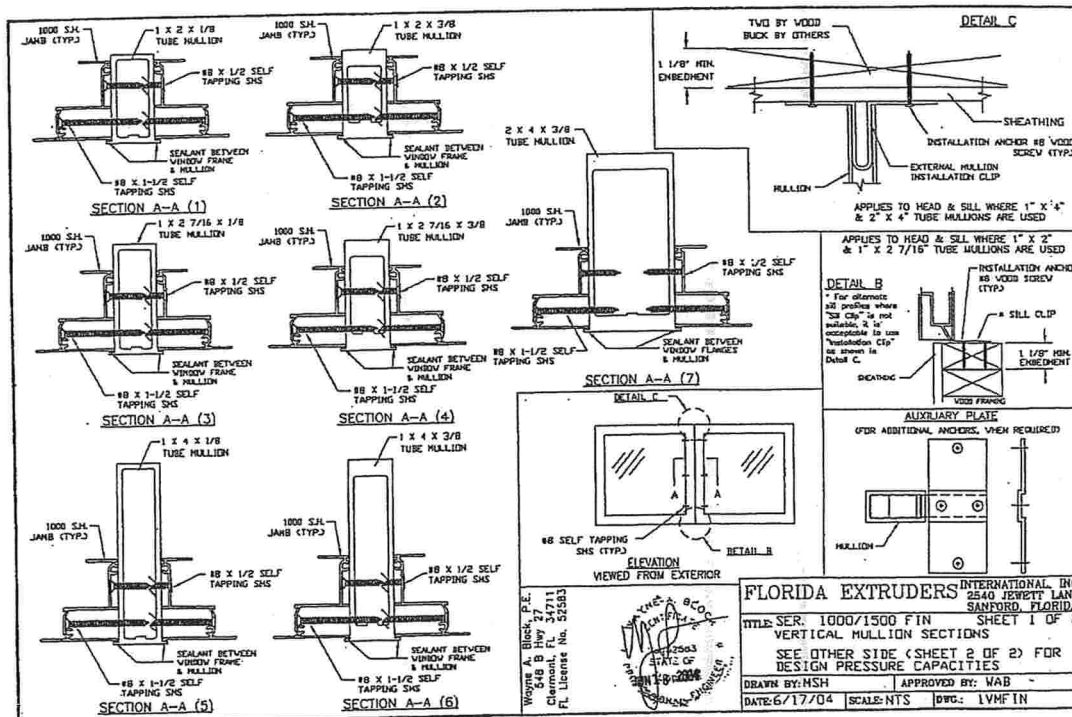
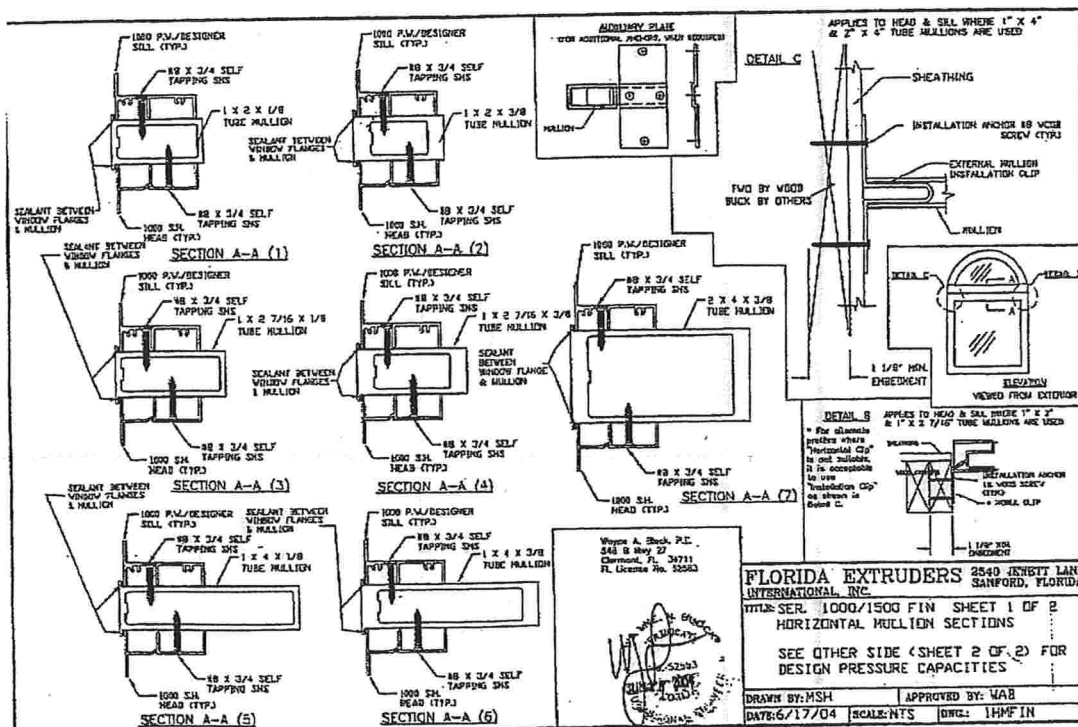


**Florida Extruders Int'l., Inc.**  
 2940 West Lake - Sanford, FL 32771-  
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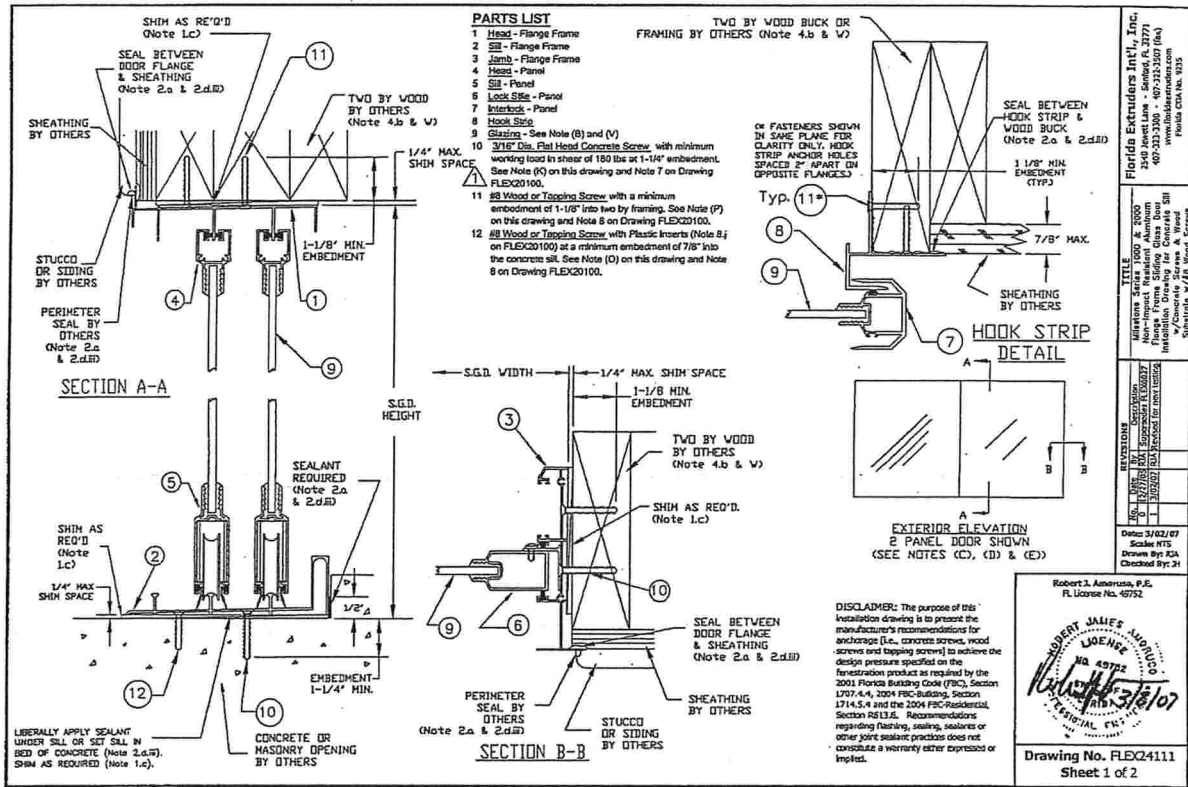
**REVISIONS**

| NO. | DATE     | DESCRIPTION                                      |
|-----|----------|--------------------------------------------------|
| 1   | 11/04/07 | Scale: NTS<br>Drawn By: J.A.<br>Checked By: J.A. |

Drawing No. FLEX25120  
 Sheet 2 of 2







| Fastener Installation Chart |               |       |        |                                     |                    |                   |                          |  |  |
|-----------------------------|---------------|-------|--------|-------------------------------------|--------------------|-------------------|--------------------------|--|--|
| Size Code                   | Configuration | Yield | Height | Recommended Quantities of Fasteners |                    |                   |                          |  |  |
|                             |               |       |        | Jamb<br>(in. x WS)                  | Head<br>(in. x WS) | SP<br>(21/2" x 3) | Hook Strip<br>(in. x WS) |  |  |
| 4048                        | 2X4 CR 120    | 44    | 80     | 8                                   | 8                  | 3.020             | 8                        |  |  |
| 4058                        | 2X4 CR 120    | 65    | 85     | 3                                   | 6                  | 3.020             | 5                        |  |  |
| 4068                        | 2X4 CR 120    | 72    | 85     | 3                                   | 6                  | 3.020             | 5                        |  |  |
| 4078                        | 2X4 CR 120    | 85    | 90     | 10                                  | 10                 | 3.020             | 10                       |  |  |
| 4088                        | 2X4 CR 120    | 120   | 95     | 5                                   | 12                 | 3.020             | 8                        |  |  |
| 4098                        | 2X4 CR 120    | 135   | 95     | 10                                  | 10                 | 3.020             | 10                       |  |  |
| 4108                        | 2X4 CR 120    | 172   | 95     | 10                                  | 8                  | 3.020             | 10                       |  |  |
| 4118                        | 2X4 CR 120    | 188   | 95     | 10                                  | 10                 | 3.020             | 10                       |  |  |
| 4128                        | 2X4 CR 120    | 200   | 95     | 10                                  | 10                 | 3.020             | 10                       |  |  |
| 4138                        | 2X4 CR 120    | 220   | 120    | 12                                  | 8                  | 3.020             | 12                       |  |  |
| 4148                        | 2X4 CR 120    | 240   | 120    | 12                                  | 14                 | 3.020             | 12                       |  |  |
| 4158                        | 2X4 CR 120    | 260   | 120    | 8                                   | 10                 | 3.020             | 8                        |  |  |
| 4168                        | 2X4 CR 120    | 280   | 120    | 8                                   | 14                 | 3.020             | 8                        |  |  |
| 4178                        | 2X4 CR 120    | 300   | 120    | 8                                   | 18                 | 3.020             | 8                        |  |  |
| 4188                        | 2X4 CR 120    | 320   | 120    | 10                                  | 10                 | 3.020             | 10                       |  |  |
| 4198                        | 2X4 CR 120    | 340   | 120    | 10                                  | 14                 | 3.020             | 10                       |  |  |
| 4208                        | 2X4 CR 120    | 360   | 120    | 10                                  | 18                 | 3.020             | 10                       |  |  |
| 4218                        | 2X4 CR 120    | 380   | 120    | 12                                  | 12                 | 3.020             | 12                       |  |  |
| 4228                        | 2X4 CR 120    | 400   | 120    | 12                                  | 14                 | 3.020             | 12                       |  |  |
| 4238                        | 2X4 CR 120    | 420   | 120    | 8                                   | 12                 | 3.020             | 8                        |  |  |
| 4248                        | 2X4 CR 120    | 440   | 120    | 8                                   | 14                 | 3.020             | 8                        |  |  |
| 4258                        | 2X4 CR 120    | 460   | 120    | 8                                   | 18                 | 3.020             | 8                        |  |  |
| 4268                        | 2X4 CR 120    | 480   | 120    | 10                                  | 10                 | 3.020             | 10                       |  |  |
| 4278                        | 2X4 CR 120    | 500   | 120    | 10                                  | 14                 | 3.020             | 10                       |  |  |
| 4288                        | 2X4 CR 120    | 520   | 120    | 10                                  | 18                 | 3.020             | 10                       |  |  |
| 4298                        | 2X4 CR 120    | 540   | 120    | 12                                  | 12                 | 3.020             | 12                       |  |  |
| 4308                        | 2X4 CR 120    | 560   | 120    | 12                                  | 14                 | 3.020             | 12                       |  |  |
| 4318                        | 2X4 CR 120    | 580   | 120    | 8                                   | 12                 | 3.020             | 8                        |  |  |
| 4328                        | 2X4 CR 120    | 600   | 120    | 8                                   | 14                 | 3.020             | 8                        |  |  |
| 4338                        | 2X4 CR 120    | 620   | 120    | 8                                   | 18                 | 3.020             | 8                        |  |  |
| 4348                        | 2X4 CR 120    | 640   | 120    | 10                                  | 10                 | 3.020             | 10                       |  |  |
| 4358                        | 2X4 CR 120    | 660   | 120    | 10                                  | 14                 | 3.020             | 10                       |  |  |
| 4368                        | 2X4 CR 120    | 680   | 120    | 10                                  | 18                 | 3.020             | 10                       |  |  |
| 4378                        | 2X4 CR 120    | 700   | 120    | 12                                  | 12                 | 3.020             | 12                       |  |  |
| 4388                        | 2X4 CR 120    | 720   | 120    | 12                                  | 14                 | 3.020             | 12                       |  |  |
| 4398                        | 2X4 CR 120    | 740   | 120    | 8                                   | 12                 | 3.020             | 8                        |  |  |
| 4408                        | 2X4 CR 120    | 760   | 120    | 8                                   | 14                 | 3.020             | 8                        |  |  |
| 4418                        | 2X4 CR 120    | 780   | 120    | 8                                   | 18                 | 3.020             | 8                        |  |  |
| 4428                        | 2X4 CR 120    | 800   | 120    | 10                                  | 10                 | 3.020             | 10                       |  |  |
| 4438                        | 2X4 CR 120    | 820   | 120    | 10                                  | 14                 | 3.020             | 10                       |  |  |
| 4448                        | 2X4 CR 120    | 840   | 120    | 10                                  | 18                 | 3.020             | 10                       |  |  |
| 4458                        | 2X4 CR 120    | 860   | 120    | 12                                  | 12                 | 3.020             | 12                       |  |  |
| 4468                        | 2X4 CR 120    | 880   | 120    | 12                                  | 14                 | 3.020             | 12                       |  |  |
| 4478                        | 2X4 CR 120    | 900   | 120    | 8                                   | 12                 | 3.020             | 8                        |  |  |
| 4488                        | 2X4 CR 120    | 920   | 120    | 8                                   | 14                 | 3.020             | 8                        |  |  |
| 4498                        | 2X4 CR 120    | 940   | 120    | 8                                   | 18                 | 3.020             | 8                        |  |  |
| 4508                        | 2X4 CR 120    | 960   | 120    | 10                                  | 10                 | 3.020             | 10                       |  |  |
| 4518                        | 2X4 CR 120    | 980   | 120    | 10                                  | 14                 | 3.020             | 10                       |  |  |
| 4528                        | 2X4 CR 120    | 1000  | 120    | 10                                  | 18                 | 3.020             | 10                       |  |  |
| 4538                        | 2X4 CR 120    | 1020  | 120    | 12                                  | 12                 | 3.020             | 12                       |  |  |
| 4548                        | 2X4 CR 120    | 1040  | 120    | 12                                  | 14                 | 3.020             | 12                       |  |  |
| 4558                        | 2X4 CR 120    | 1060  | 120    | 8                                   | 12                 | 3.020             | 8                        |  |  |
| 4568                        | 2X4 CR 120    | 1080  | 120    | 8                                   | 14                 | 3.020             | 8                        |  |  |
| 4578                        | 2X4 CR 120    | 1100  | 120    | 8                                   | 18                 | 3.020             | 8                        |  |  |
| 4588                        | 2X4 CR 120    | 1120  | 120    | 10                                  | 10                 | 3.020             | 10                       |  |  |
| 4598                        | 2X4 CR 120    | 1140  | 120    | 10                                  | 14                 | 3.020             | 10                       |  |  |
| 4608                        | 2X4 CR 120    | 1160  | 120    | 10                                  | 18                 | 3.020             | 10                       |  |  |
| 4618                        | 2X4 CR 120    | 1180  | 120    | 12                                  | 12                 | 3.020             | 12                       |  |  |
| 4628                        | 2X4 CR 120    | 1200  | 120    | 12                                  | 14                 | 3.020             | 12                       |  |  |
| 4638                        | 2X4 CR 120    | 1220  | 120    | 8                                   | 12                 | 3.020             | 8                        |  |  |
| 4648                        | 2X4 CR 120    | 1240  | 120    | 8                                   | 14                 | 3.020             | 8                        |  |  |
| 4658                        | 2X4 CR 120    | 1260  | 120    | 8                                   | 18                 | 3.020             | 8                        |  |  |
| 4668                        | 2X4 CR 120    | 1280  | 120    | 10                                  | 10                 | 3.020             | 10                       |  |  |
| 4678                        | 2X4 CR 120    | 1300  | 120    | 10                                  | 14                 | 3.020             | 10                       |  |  |
| 4688                        | 2X4 CR 120    | 1320  | 120    | 10                                  | 18                 | 3.020             | 10                       |  |  |
| 4698                        | 2X4 CR 120    | 1340  | 120    | 12                                  | 12                 | 3.020             | 12                       |  |  |
| 4708                        | 2X4 CR 120    | 1360  | 120    | 12                                  | 14                 | 3.020             | 12                       |  |  |
| 4718                        | 2X4 CR 120    | 1380  | 120    | 8                                   | 12                 | 3.020             | 8                        |  |  |
| 4728                        | 2X4 CR 120    | 1400  | 120    | 8                                   | 14                 | 3.020             | 8                        |  |  |
| 4738                        | 2X4 CR 120    | 1420  | 120    | 8                                   | 18                 | 3.020             | 8                        |  |  |
| 4748                        | 2X4 CR 120    | 1440  | 120    | 10                                  | 10                 | 3.020             | 10                       |  |  |
| 4758                        | 2X4 CR 120    | 1460  | 120    | 10                                  | 14                 | 3.020             | 10                       |  |  |
| 4768                        | 2X4 CR 120    | 1480  | 120    | 10                                  | 18                 | 3.020             | 10                       |  |  |
| 4778                        | 2X4 CR 120    | 1500  | 120    | 12                                  | 12                 | 3.020             | 12                       |  |  |
| 4788                        | 2X4 CR 120    | 1520  | 120    | 12                                  | 14                 | 3.020             | 12                       |  |  |
| 4798                        | 2X4 CR 120    | 1540  | 120    | 8                                   | 12                 | 3.020             | 8                        |  |  |
| 4808                        | 2X4 CR 120    | 1560  | 120    | 8                                   | 14                 | 3.020             | 8                        |  |  |
| 4818                        | 2X4 CR 120    | 1580  | 120    | 8                                   | 18                 | 3.020             | 8                        |  |  |
| 4828                        | 2X4 CR 120    | 1600  | 120    | 10                                  | 10                 | 3.020             | 10                       |  |  |
| 4838                        | 2X4 CR 120    | 1620  | 120    | 10                                  | 14                 | 3.020             | 10                       |  |  |
| 4848                        | 2X4 CR 120    | 1640  | 120    | 10                                  | 18                 | 3.020             | 10                       |  |  |
| 4858                        | 2X4 CR 120    | 1660  | 120    | 12                                  | 12                 | 3.020             | 12                       |  |  |
| 4868                        | 2X4 CR 120    | 1680  | 120    | 12                                  | 14                 | 3.020             | 12                       |  |  |
| 4878                        | 2X4 CR 120    | 1700  | 120    | 8                                   | 12                 | 3.020             | 8                        |  |  |
| 4888                        | 2X4 CR 120    | 1720  | 120    | 8                                   | 14                 | 3.020             | 8                        |  |  |
| 4898                        | 2X4 CR 120    | 1740  | 120    | 8                                   | 18                 | 3.020             | 8                        |  |  |
| 4908                        | 2X4 CR 120    | 1760  | 120    | 10                                  | 10                 | 3.020             | 10                       |  |  |
| 4918                        | 2X4 CR 120    | 1780  | 120    | 10                                  | 14                 | 3.020             | 10                       |  |  |
| 4928                        | 2X4 CR 120    | 1800  | 120    | 10                                  | 18                 | 3.020             | 10                       |  |  |
| 4938                        | 2X4 CR 120    | 1820  | 120    | 12                                  | 12                 | 3.020             | 12                       |  |  |
| 4948                        | 2X4 CR 120    | 1840  | 120    | 12                                  | 14                 | 3.020             | 12                       |  |  |
| 4958                        | 2X4 CR 120    | 1860  | 120    | 8                                   | 12                 | 3.020             | 8                        |  |  |
| 4968                        | 2X4 CR 120    | 1880  | 120    | 8                                   | 14                 | 3.020             | 8                        |  |  |
| 4978                        | 2X4 CR 120    | 1900  | 120    | 8                                   | 18                 | 3.020             | 8                        |  |  |
| 4988                        | 2X4 CR 120    | 1920  | 120    | 10                                  | 10                 | 3.020             | 10                       |  |  |
| 4998                        | 2X4 CR 120    | 1940  | 120    | 10                                  | 14                 | 3.020             | 10                       |  |  |
| 5008                        | 2X4 CR 120    | 1960  | 120    | 10                                  | 18                 | 3.020             | 10                       |  |  |
| 5018                        | 2X4 CR 120    | 1980  | 120    | 12                                  | 12                 | 3.020             | 12                       |  |  |
| 5028                        | 2X4 CR 120    | 2000  | 120    | 12                                  | 14                 | 3.020             | 12                       |  |  |
| 5038                        | 2X4 CR 120    | 2020  | 120    | 8                                   | 12                 | 3.020             | 8                        |  |  |
| 5048                        | 2X4 CR 120    | 2040  | 120    | 8                                   | 14                 | 3.020             | 8                        |  |  |
| 5058                        | 2X4 CR 120    | 2060  | 120    | 8                                   | 18                 | 3.020             | 8                        |  |  |
| 5068                        | 2X4 CR 120    | 2080  | 120    | 10                                  | 10                 | 3.020             | 10                       |  |  |
| 5078                        | 2X4 CR 120    | 2100  | 120    | 10                                  | 14                 | 3.020             | 10                       |  |  |
| 5088                        | 2X4 CR 120    | 2120  | 120    | 10                                  | 18                 | 3.020             | 10                       |  |  |
| 5098                        | 2X4 CR 120    | 2140  | 120    | 12                                  | 12                 | 3.020             | 12                       |  |  |
| 5108                        | 2X4 CR 120    | 2160  | 120    | 12                                  | 14                 | 3.020             | 12                       |  |  |
| 5118                        | 2X4 CR 120    | 2180  | 120    | 8                                   | 12                 | 3.020             | 8                        |  |  |
| 5128                        | 2X4 CR 120    | 2200  | 120    | 8                                   | 14                 | 3.020             | 8                        |  |  |
| 5138                        | 2X4 CR 120    | 2220  | 120    | 8                                   | 18                 | 3.020             | 8                        |  |  |
| 5148                        | 2X4 CR 120    | 2240  | 120    | 10                                  | 10                 | 3.020             | 10                       |  |  |
| 5158                        | 2X4 CR 120    | 2260  | 120    | 10                                  | 14                 | 3.020             | 10                       |  |  |
| 5168                        | 2X4 CR 120    | 2280  | 120    | 10                                  | 18                 | 3.020             | 10                       |  |  |
| 5178                        | 2X4 CR 120    | 2300  | 120    | 12                                  | 12                 | 3.020             | 12                       |  |  |
| 5188                        | 2X4 CR 120    | 2320  | 120    | 12                                  | 14                 | 3.020             | 12                       |  |  |
| 5198                        | 2X4 CR 120    | 2340  | 120    | 8                                   | 12                 | 3.020             | 8                        |  |  |
| 5208                        | 2X4 CR 120    | 2360  | 120    | 8                                   | 14                 | 3.020             | 8                        |  |  |
| 5218                        | 2X4 CR 120    | 2380  | 120    | 8                                   | 18                 | 3.020             | 8                        |  |  |
| 5228                        | 2X4 CR 120    | 2400  | 120    | 10                                  | 10                 | 3.020             | 10                       |  |  |
| 5238                        | 2X4 CR 120    | 2420  | 120    | 10                                  | 14                 | 3.020             | 10                       |  |  |
| 5248                        | 2X4 CR 120    | 2440  | 120    | 10                                  | 18                 | 3.020             | 10                       |  |  |
| 5258                        | 2X4 CR 120    | 2460  | 120    | 12                                  | 12                 | 3.020             | 12                       |  |  |
| 5268                        | 2X4 CR 120    | 2480  | 120    | 12                                  | 14                 | 3.020             | 12                       |  |  |
| 5278                        | 2X4 CR 120    | 2500  | 120    | 8                                   | 12                 | 3.020             | 8                        |  |  |
| 5288                        | 2X4 CR 120    | 2520  | 120    | 8                                   | 14                 | 3.020             | 8                        |  |  |
| 5298                        | 2X4 CR 120    | 2540  | 120    | 8                                   | 18                 | 3.020             | 8                        |  |  |
| 5308                        | 2X4 CR 120    | 2560  | 120    | 10                                  | 10                 | 3.020             | 10                       |  |  |
| 5318                        | 2X4 CR 120    | 2580  | 120    | 10                                  | 14                 | 3.020             | 10                       |  |  |
| 5328                        | 2X4 CR 120    | 2600  | 120    | 10                                  | 18                 | 3.020             | 10                       |  |  |
| 5338                        | 2X4 CR 120    | 2620  | 120    | 12                                  | 12                 | 3.020             | 12                       |  |  |
| 5348                        | 2X4 CR 120    | 2640  | 120    | 12                                  | 14                 | 3.020             | 12                       |  |  |
| 5358                        | 2X4 CR 120    | 2660  | 120    | 8                                   | 12                 | 3.020             | 8                        |  |  |
| 5368                        | 2X4 CR 120    | 2680  | 120    | 8                                   | 14                 | 3.020             | 8                        |  |  |
| 5378                        | 2X4 CR 120    | 2700  | 120    | 8                                   | 18                 | 3.020             | 8                        |  |  |
| 5388                        | 2X4 CR 120    | 2720  | 120    | 10                                  | 10                 | 3.020             | 10                       |  |  |
| 5398                        | 2X4 CR 120    | 2740  | 120    | 10                                  | 14                 | 3.020             | 10                       |  |  |
| 5408                        | 2X4 CR 120    | 2760  | 120    | 10                                  | 18                 | 3.020             | 10                       |  |  |
| 5418                        | 2X4 CR 120    | 2780  | 120    | 12                                  | 12                 | 3.020             | 12                       |  |  |
| 5428                        | 2X4 CR 120    | 2800  | 120    | 12                                  | 14                 | 3.020             | 12                       |  |  |
| 5438                        | 2X4 CR 120    | 2820  | 120    | 8                                   | 12                 | 3.020             | 8                        |  |  |
| 5448                        | 2X4 CR 120    | 2840  | 120    | 8                                   | 14                 | 3.020             | 8                        |  |  |
| 5458                        | 2X4 CR 120    | 2860  | 120    | 8                                   | 18                 | 3.020             | 8                        |  |  |
| 5468                        | 2X4 CR 120    | 2880  | 120    | 10                                  | 10                 | 3.020             | 10                       |  |  |
| 5478                        | 2X4 CR 120    | 2900  | 120    | 10                                  | 14                 | 3.020             | 10                       |  |  |
| 5488                        | 2X4 CR 120    | 2920  | 120    | 10                                  | 18                 | 3.020             | 10                       |  |  |
| 5498                        | 2X4 CR 120    | 2940  | 120    | 12                                  | 12                 | 3.020             | 12                       |  |  |
| 5508                        | 2X4 CR 120    | 2960  | 120    | 12                                  | 14                 | 3.020             | 12                       |  |  |
| 5518                        | 2X4 CR 120    | 2980  | 120    | 8                                   | 12                 | 3.020             | 8                        |  |  |
| 5528                        | 2X4 CR 120    | 3000  | 120    | 8                                   | 14                 | 3.020             | 8                        |  |  |
| 5538                        | 2X4 CR 120    | 3020  | 120    | 8                                   | 18                 | 3.020             | 8                        |  |  |
| 5548                        | 2X4 CR 120    | 3040  | 120    | 10                                  | 10                 | 3.020             | 10                       |  |  |
| 5558                        | 2X4 CR 120    | 3060  | 120    | 10                                  | 14                 | 3.020             | 10                       |  |  |
| 5568                        | 2X4 CR 120    | 3080  | 120    | 10                                  | 18                 | 3.020             | 10                       |  |  |
| 5578                        | 2X4 CR 120    | 3100  | 120    | 12                                  | 12                 | 3.020             | 12                       |  |  |
| 5588                        | 2X4 CR 120    | 3120  | 120    | 12                                  | 14                 | 3.020             | 12                       |  |  |
| 5598                        | 2X4 CR 120    | 3140  | 120    | 8                                   | 12                 | 3.020             | 8                        |  |  |
| 5608                        | 2X4 CR 120    | 3160  | 120    | 8                                   | 14                 | 3.020             | 8                        |  |  |
| 5618                        | 2X4 CR 120    | 3180  | 120    | 8                                   | 18                 | 3.020             | 8                        |  |  |
| 5628                        | 2X4 CR 120    | 3200  | 120    | 10                                  | 10                 | 3.020             | 10                       |  |  |
| 5638                        | 2X4 CR 120    | 3220  | 120    | 10                                  | 14                 | 3.020             | 10                       |  |  |
| 5648                        | 2X4 CR 120    | 3240  | 120    | 10                                  | 18                 | 3.020             | 10                       |  |  |
| 5658                        | 2X4 CR 120    | 3260  | 120    | 12                                  | 12                 | 3.020             | 12                       |  |  |
| 5668                        | 2X4 CR 120    | 3280  | 120    | 12                                  | 14                 | 3.020             | 12                       |  |  |
| 5678                        | 2X4 CR 120    | 3300  | 120    | 8                                   | 12                 | 3.020             | 8                        |  |  |
| 5688                        | 2X4 CR 120    | 3320  | 120    | 8                                   | 14                 | 3.020             | 8                        |  |  |
| 5698                        | 2X4 CR 120    | 3340  | 120    | 8                                   | 18                 | 3.020             | 8                        |  |  |
| 5708                        | 2X4 CR 120    | 3360  | 120    | 10                                  | 10                 | 3.020             | 10                       |  |  |
| 5718                        | 2X4 CR 120    | 3380  | 120    | 10                                  | 14                 | 3.020             | 10                       |  |  |
| 5728                        |               |       |        |                                     |                    |                   |                          |  |  |



(H)

9Tm 03101

# Certificate of ARI-Certified Performance

Barbury 3.0 / 2.5

The following

Split System: Heat Pump with Remote Outdoor Unit-Air-Source

Outdoor Unit Model Number: N4H336A(G)KB\* 3.0 Ton

combined with

Indoor Unit Model Number: FEM4X36\*\*\*\*

Manufactured by: TEMPSTAR

under the Trade/Brand name: 13 SEER N SERIES R410A HP

has been rated in accordance with

ARI Standard 210/240-2006 for UNITARY AIR-CONDITIONING AND AIR-SOURCE HEAT PUMP EQUIPMENT

and is certified by the Air-Conditioning, Heating, and Refrigeration Institute to meet

the following product performance ratings:

Cooling Capacity (Btuh): 34800

EER Rating (Cooling): 11.50

SEER Rating (Cooling): 14.00

Heating Capacity (Btuh) @ 47 F: 33800

Region IV HSPF Rating (Heating): 8.20

Heating Capacity (Btuh) @ 17 F: 21800

A \* following a rating indicates a voluntary rerate of previously published data, unless accompanied with a WAS which indicates an involuntary rerate.



ARI Reference #: 1350500

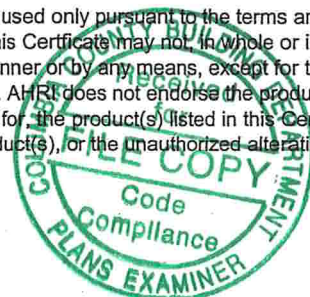
Today's Date: 3/22/2009

Status: Active

CERTIFIED RATINGS ARE VALID ONLY FOR THE PARTICULAR COMBINATION OF INDOOR AND OUTDOOR UNITS LISTED IN THE AIR-CONDITIONING, HEATING, AND REFRIGERATION INSTITUTE'S DIRECTORY OF CERTIFIED EQUIPMENT. VISIT [WWW.AHRIDIRECTORY.ORG](http://WWW.AHRIDIRECTORY.ORG) TO VERIFY THAT THIS COMBINATION IS AN ACTIVE LISTING AND THE DATA LISTED ON THIS CERTIFICATE IS ACCURATE. SEARCH ON THE ARI REFERENCE # TO QUICKLY LOCATE THIS COMBINATION IN THE DIRECTORY.

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# Certificate of ARI-Certified Performance

The following

9TM 03101

Split System: Heat Pump with Remote Outdoor Unit-Air-Source

Outdoor Unit Model Number: N4H330A(G)KB\*

2.5 TON

combined with

Indoor Unit Model Number: FEM4X30\*\*\*\*

Manufactured by: TEMPSTAR

under the Trade/Brand name: 13 SEER N SERIES R410A HP

has been rated in accordance with

ARI Standard 210/240-2006 for UNITARY AIR-CONDITIONING AND AIR-SOURCE HEAT PUMP EQUIPMENT

and is certified by the Air-Conditioning, Heating, and Refrigeration Institute to meet

the following product performance ratings:

Cooling Capacity (Btuh): 30000

EER Rating (Cooling): 11.50

SEER Rating (Cooling): 14.00

Heating Capacity(Btuh) @ 47 F: 30000

Region IV HSPF Rating (Heating): 8.20

Heating Capacity(Btuh) @ 17 F: 18300

A\* following a rating indicates a voluntary rerate of previously published data, unless accompanied with a WAS which indicates an involuntary rerate.



ARI Reference #: 1295652

Today's Date: 3/22/2009

Status: Active

CERTIFIED RATINGS ARE VALID ONLY FOR THE PARTICULAR COMBINATION OF INDOOR AND OUTDOOR UNITS LISTED IN THE AIR-CONDITIONING, HEATING, AND REFRIGERATION INSTITUTE'S DIRECTORY OF CERTIFIED EQUIPMENT. VISIT [WWW.AHRIDIRECTORY.ORG](http://WWW.AHRIDIRECTORY.ORG) TO VERIFY THAT THIS COMBINATION IS AN ACTIVE LISTING AND THE DATA LISTED ON THIS CERTIFICATE IS ACCURATE. SEARCH ON THE ARI REFERENCE # TO QUICKLY LOCATE THIS COMBINATION IN THE DIRECTORY.

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# Maronda Systems

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

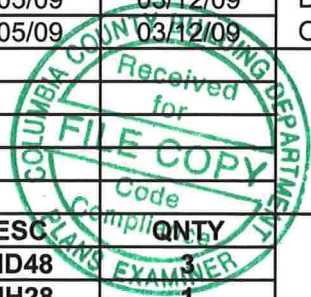
| PLAN JOB # | LOT  | ADDRESS            | DIV/SUB | MODEL         | BAYBURY 'M' 4BED 2CAR |
|------------|------|--------------------|---------|---------------|-----------------------|
| 9TM03101   | 31-1 | 330 SW MULBERRY DR | JAX-9TM | BBRM42B RIGHT |                       |

This structure was designed in accordance with, and meets the requirements of TPI standards and the FLORIDA 2007 BUILDING CODE for 140 M.P.H. Wind Zone. Truss loading is in accordance with ASCE 7-05. 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.

I, Tomas Ponce P.E. the 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. Dwg's: | 56                  |
|-----------|----------|------------------|--------------------------|----------|------------------|--------------------|---------------------|
| Layout    | 03/10/09 | 04/20/09         | V1X                      | 02/04/09 | 03/12/09         | <b>Roof Loads-</b> |                     |
| BCSI-B1   | 2008     | 03/12/09         | V2X                      | 02/04/09 | 03/12/09         | TC Live:           | 16.0 psf            |
| HIP TRUSS | 02/09/09 | 03/12/09         | V3X                      | 02/04/09 | 03/12/09         | TC Dead:           | 7.0 psf             |
| VALLEY    | 02/09/09 | 03/12/09         | V4X                      | 02/04/09 | 03/12/09         | BC Live:           | 10.0 psf            |
| TOE NAIL  | 02/09/09 | 03/12/09         | V5X                      | 02/04/09 | 03/12/09         | BC Dead:           | 10.0 psf            |
| H1X       | 02/04/09 | 03/12/09         | V6X                      | 02/04/09 | 03/12/09         | Total              | 43.0 psf            |
| H2X       | 02/04/09 | 03/12/09         | V7X                      | 02/04/09 | 03/12/09         |                    |                     |
| H3X       | 02/04/09 | 03/12/09         | V11X                     | 02/04/09 | 03/12/09         | DurFac- Lbr:       | 1.25                |
| H4X       | 02/04/09 | 03/12/09         | V12X                     | 02/04/09 | 03/12/09         | DurFac- Plt:       | 1.25                |
| H5X       | 02/04/09 | 03/12/09         | <b>FLOOR TRUSSES</b>     |          |                  |                    | O.C. Spacing: 24.0" |
| HGRD1X    | 02/04/09 | 03/12/09         | Layout                   | 10/04/07 | 03/12/09         |                    |                     |
| HGRD2X    | 02/04/09 | 03/12/09         | FA                       | 02/05/09 | 03/12/09         |                    |                     |
| S1X       | 02/04/09 | 03/12/09         | FB                       | 02/05/09 | 03/12/09         |                    |                     |
| S1AX      | 02/04/09 | 03/12/09         | FC                       | 02/05/09 | 03/12/09         |                    |                     |
| S1BX      | 02/04/09 | 03/12/09         | FC-A                     | 02/05/09 | 03/12/09         |                    |                     |
| HS1X      | 02/04/09 | 03/12/09         | FD                       | 02/05/09 | 03/12/09         |                    |                     |
| HSGRD1X   | 02/04/09 | 03/12/09         | FE                       | 02/05/09 | 03/12/09         |                    |                     |
| JGRD1X    | 02/04/09 | 03/12/09         | FF                       | 02/05/09 | 03/12/09         |                    |                     |
| JX        | 02/04/09 | 03/12/09         | FG                       | 02/05/09 | 03/12/09         |                    |                     |
| JAX       | 02/04/09 | 03/12/09         | FJ                       | 02/05/09 | 03/12/09         |                    |                     |
| JBX       | 04/20/09 | 04/20/09         | FK                       | 02/05/09 | 03/12/09         |                    |                     |
| J1X       | 02/04/09 | 03/12/09         | F1                       | 02/05/09 | 03/12/09         |                    |                     |
| J2X       | 02/04/09 | 03/12/09         |                          |          |                  |                    |                     |
| J3X       | 02/04/09 | 03/12/09         |                          |          |                  |                    |                     |
| JSGRD1X   | 02/04/09 | 03/12/09         |                          |          |                  |                    |                     |
| JSX       | 02/05/09 | 03/12/09         |                          |          |                  |                    |                     |
| JS1X      | 02/04/09 | 03/12/09         |                          |          |                  |                    |                     |
| JS2X      | 02/04/09 | 03/12/09         | INV #                    | DESC     | QNTY             |                    |                     |
| JS3X      | 02/04/09 | 03/12/09         | 50060.0114               | THD48    | 3                |                    |                     |
| MGRD1X    | 02/05/09 | 03/12/09         | 50060.0071               | SUH28    | 1                |                    |                     |
| C2X       | 04/20/09 | 04/20/09         | 50060.0110               | JUS26    | 3                |                    |                     |
|           |          |                  | 50060.0058               | THJ26    | 5                |                    |                     |
|           |          |                  | 50060.0049               | THD28-2  |                  |                    |                     |
|           |          |                  | 50060.0272               | THD179   | 1                |                    |                     |
|           |          |                  | <b>SEAT PLATES</b>       |          |                  |                    |                     |
|           |          |                  | <b>FLOOR SEAT PLATES</b> |          |                  | 37                 |                     |

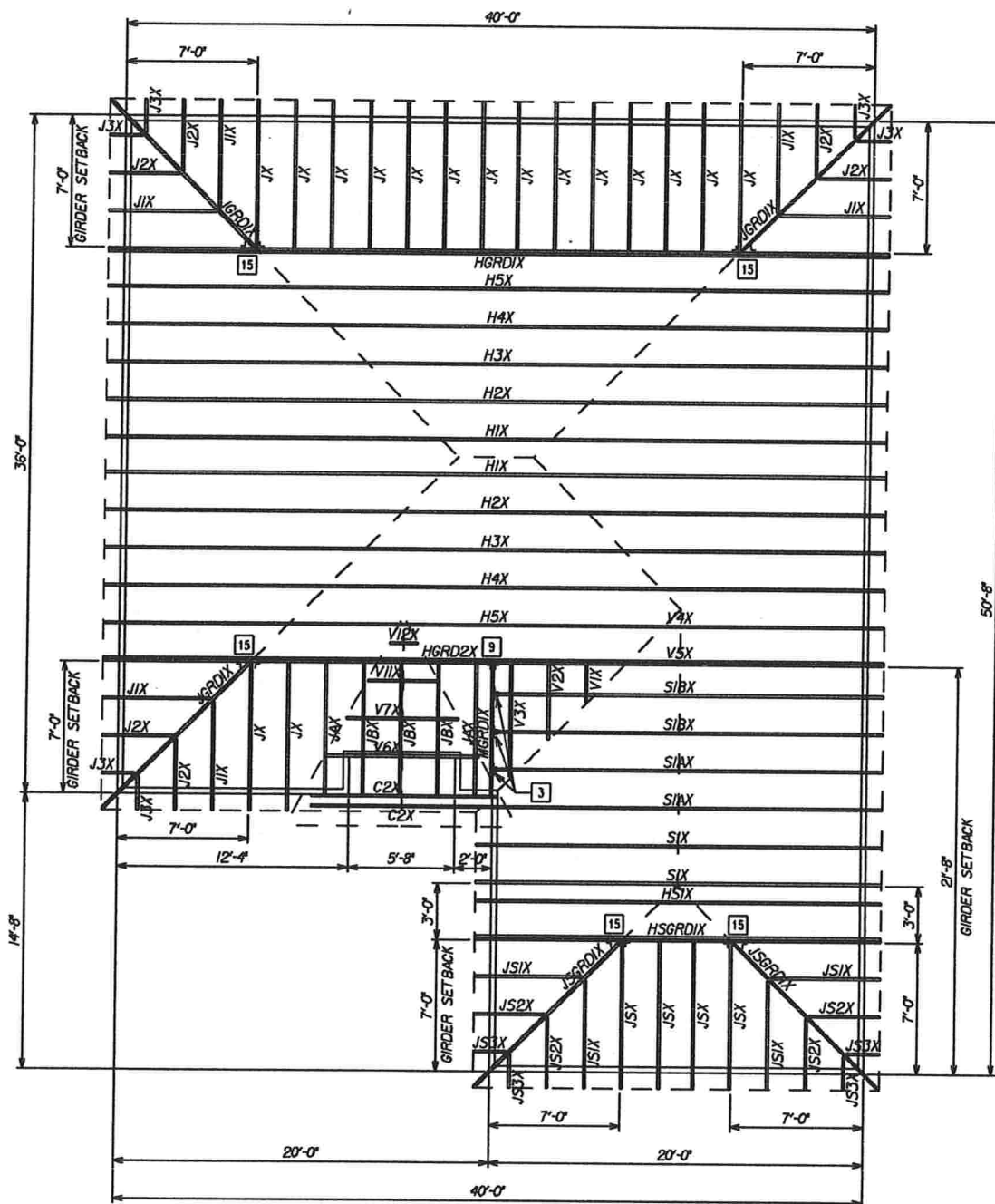


*[Signature]*  
 JUN 10 2009

DATE:



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



JUN 10 2009

\* \* HARDWARE MANUFACTURED  
 BY CLEVELAND

**GARAGE: RIGHT**

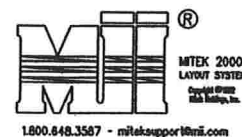
COPYRIGHT © 2007 MARIONDA HONES

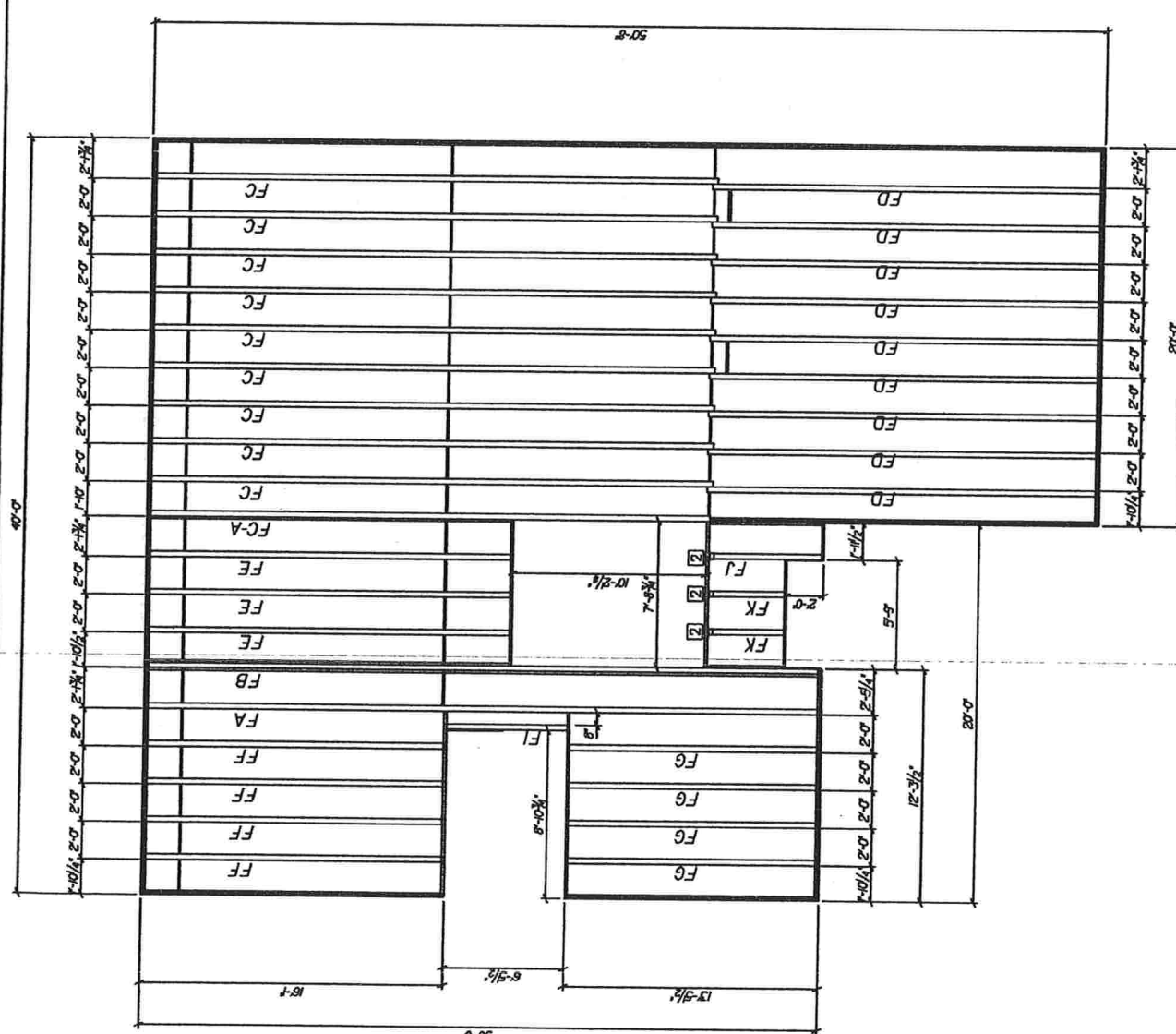
## Maronda Homes

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

LOADING-FRC2007/TPI2002

|         |       |            |       |
|---------|-------|------------|-------|
| TC LIVE | 16.00 | SNOW LOAD  | 0.00  |
| TC DEAD | 7.00  | LUMBER DOL | 1.25  |
| BC LIVE | 0.00  | PLATE DOL  | 1.25  |
| BC DEAD | 10.00 | WIND       | 140   |
| TOTAL   | 33.00 | SPACING    | 2'-0" |





SCALE: 1/8" = 1'-0"  
 DATE: 10/04/07

DESIGNER: J. Pitcock  
 CHECKER: K. Cooper

| LOADING-FRC2007/TPI2002 |                  |
|-------------------------|------------------|
| TC LIVE                 | 40.00 SNOW LOAD  |
| TC DEAD                 | 10.00 LUMBER DOL |
| BC LIVE                 | 0.00 PLATE DOL   |
| BC DEAD                 | 5.00 WIND        |
| TOTAL                   | 55.00 SPACING    |

BAYBURY - FL  
 2 CAR GARAGE

| HARDWARE LEGEND              |          |
|------------------------------|----------|
| HARDWARE MANUFACTURED BY USP |          |
| 1                            | THD28-2  |
| 2                            | THD48    |
| 3                            | THD48-IF |

PERMIT  
 FT2

JUN 10 2009

# WARNING! BCSI-B1 SUMMARY SHEET - GUIDE FOR H

Spans over 60' may require complex permanent bracing.

## GENERAL NOTES

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

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

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

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

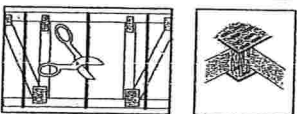
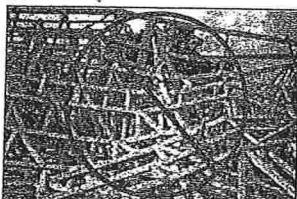
**⚠** Banding and truss plates have sharp edges. Wear gloves when handling and safety glasses when cutting banding.

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

## NOTAS GENERALES

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

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

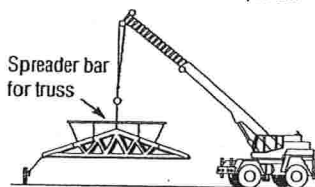


## HANDLING — MANEJO

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

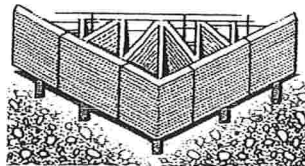


**⚠** Use special care in windy weather or near power lines and airports. Utilice cuidado especial en días ventosos o cerca de cables eléctricos o de aeropuertos.



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

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



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

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

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

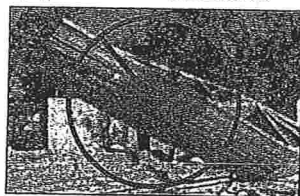
Si los trusses estarán guardados horizontalmente, ponga bloqueos de altura suficiente detrás de la pila de los trusses a 8' hasta 10' pies en el centro.

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

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

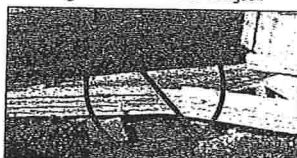
**⊘** Do not store unbraced bundles upright.

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 sobrecargue 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 paquetes empaquetados individualmente.

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

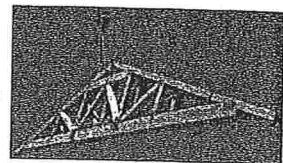
Two lift points may be used for bundles with trusses up to 60'.

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 hasta 60 pies.

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



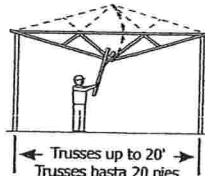
**⚠** Warning! Do not over load supporting structure with truss bundle. ¡Advertencia! No sobrecargue la estructura apoyada con el paquete de trusses.

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

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

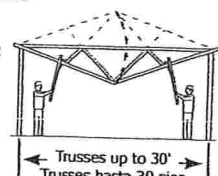
**✓** Trusses 20' or less, support at peak.

Soporte del pico los trusses de 20 pies o menos.



**✓** Trusses 30' or less, support at quarter points.

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



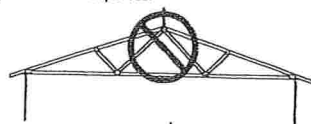
## HOISTING OF SINGLE TRUSSES — LEVANTAMIENTO DE TRUSSES INDIVIDUALES

**✓** 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 instalado y el truss está asegurado en los soportes.

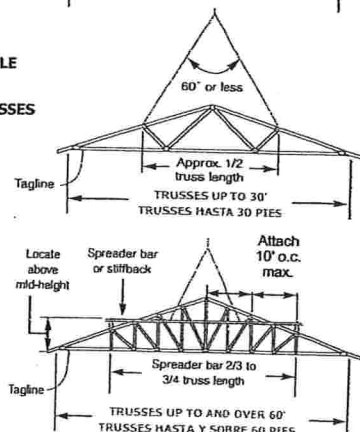
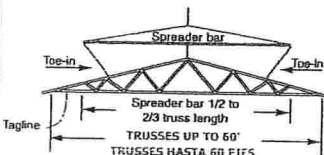
**⚠** Warning! Using a single pick-point at the peak can damage the truss.

¡Advertencia! El uso de un solo lugar en el pico para levantar 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 - Instalación de Trusses y Restricción/Arrioste Temporal\*\*\* para más información.

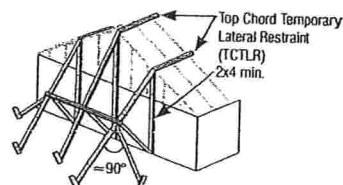
**✓** Locate ground braces for first truss directly in line with all rows of top chord temporary lateral restraint (see table in the next column).

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



**⊘** Do not walk on unbraced trusses.

No camine en trusses sueltos.



Brace first truss securely before erection of additional trusses.



# HANDLING, INSTALLING, RESTRAINING AND BRACING OF TRUSSES

Please always consult a Professional Engineer.

## STEPS TO SETTING TRUSSES

### LAS 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 4 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 establecer 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 Restricción/Arriostre Temporal\*\*\* para más información.

### RESTRAINT/BRACING FOR ALL PLANES OF TRUSSES RESTRICCIÓN/ARRIOSTRE PARA TODOS PLANOS DE TRUSSES

- 1) 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.

#### 1) TOP CHORD — CUERDA SUPERIOR

| Truss Span<br>Longitud de Tramo | Top Chord Temporary Lateral Restraint (TCLTR) Spacing<br>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 Profesional para trusses más de 60 pies.

- 1) 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.

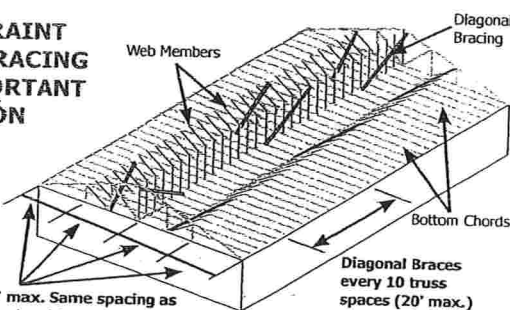
Para información sobre restricción/arriostre/refuerzo para Armazones Hastiales vea el resumen BCSI-B3 - Restricción/Arriostre Permanente de Cuerdas y Miembros Secundarios\*\*\*

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

Ground bracing not shown for clarity.

#### 2) WEB MEMBER PLANE — PLANO DE LOS MIEMBROS SECUNDARIOS

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

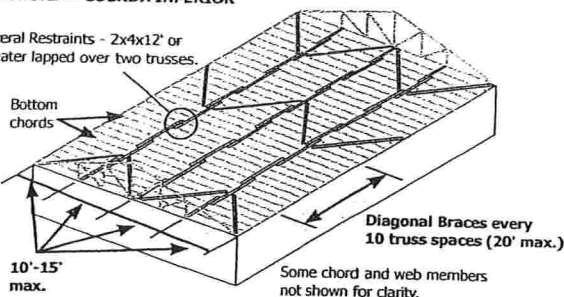


10'-15' max. Same spacing as bottom chord Lateral Restraint

Some chord and web members not shown for clarity.

#### 3) BOTTOM CHORD — CUERDA INFERIOR

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



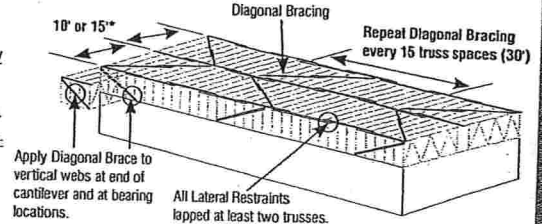
10'-15' max.

Some chord and web members not shown for clarity.

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

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

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



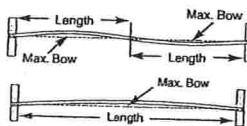
Apply Diagonal Brace to vertical webs at end of cantilever and at bearing locations.

All Lateral Restraints lapped at least two trusses.

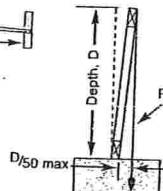
\*Top Chord Temporary Lateral Restraint spacing shall be 10' o.c. max. for 3x2 chords and 15' o.c. for 4x2 chords.

## INSTALLING — INSTALACIÓN

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



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



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

### CONSTRUCTION LOADING — CARGA DE CONSTRUCCIÓN

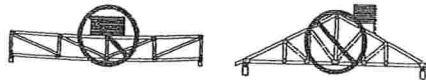
- 1) Do not proceed with construction until all lateral restraint and bracing is securely and properly in place.

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

- 2) No exceed maximum stack heights. Refer to BCSI-B4 Summary Sheet - Construction Loading\*\*\* for more information.

No exceda las alturas máximas de montón. Vea el resumen BCSI-B4 Carga de Construcción\*\*\* para más información.

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



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

- 4) Never stack materials near a peak. Nunca amontone los materiales cerca de un pico.

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

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



### ALTERATIONS — ALTERACIONES

- 1) 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\*\*\*.

- 2) 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 un truss, a menos que esté específicamente permitido en el Dibujo del Diseño del Truss.

- 3) 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 la autorización previa del Fabricante de Trusses, pueden hacer nulo y sin efecto la garantía limitada del Fabricante de Trusses.

Contact the Component Manufacturer for more information or consult a Professional Engineer for assistance. To view a non-printing PDF of this document, visit [www.stcindustry.com/b1](http://www.stcindustry.com/b1).

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 interrelated structural building components as determined by the Contractor. Thus, WTCA and TPI expressly disclaim any responsibility for damages arising from the use, application, or reliance on the recommendations and information contained herein.



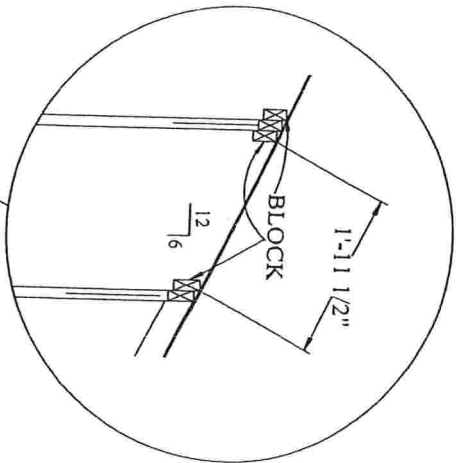
6300 Enterprise Lane • Madison, WI 53719  
608/274-4849 • [www.stcindustry.com](http://www.stcindustry.com)



218 N. Lee St., Ste. 312 • Alexandria, VA 22314  
703/683-1010 • [www.tpinet.org](http://www.tpinet.org)

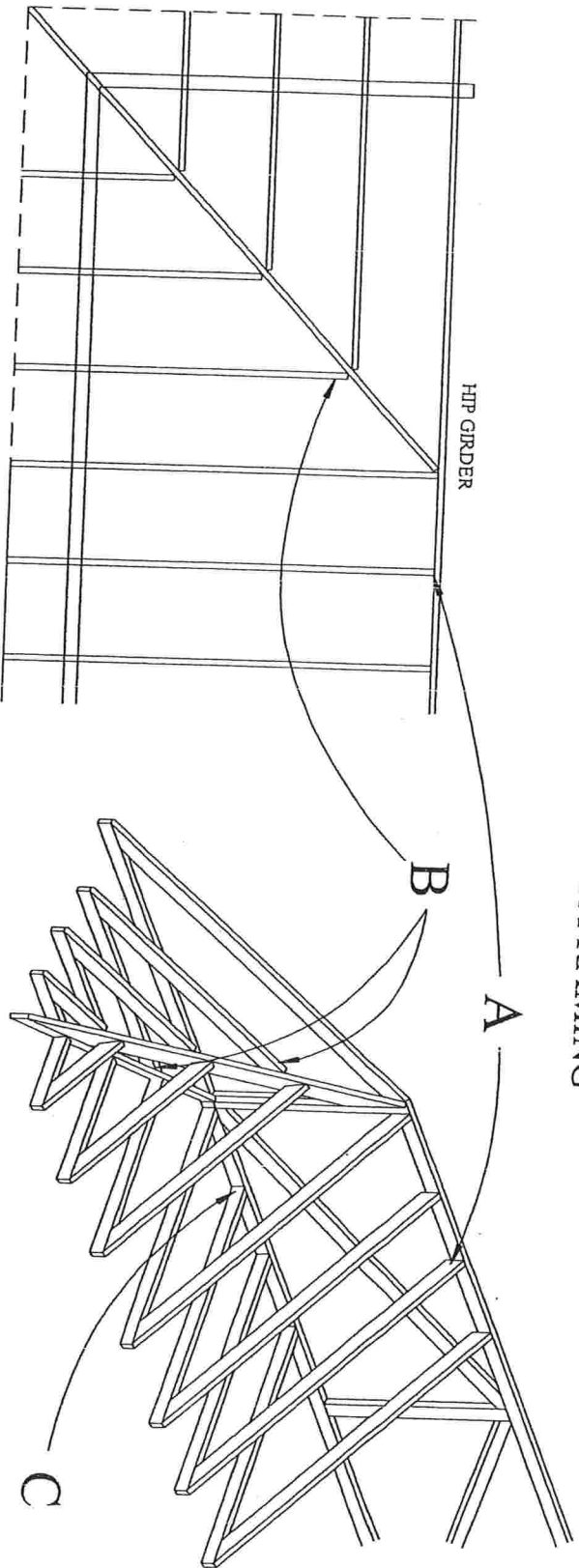
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This document summarizes the information provided in Section B1 of the 2006 Edition of Building Component Safety Information BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses. Copyright © 2004-2007 WTCA - Representing the Structural Building Components Industry and Truss Plate Institute. All Rights Reserved. This guide or any part thereof may not be reproduced in any form without the written permission of the publisher. Printed in the United States of America.



# TOE-NAILED CONNECTIONS AT BEARING LOCATIONS

## TYPICAL CORNER FRAMING



### CONNECTION VALUES:

|        | GRAVITY | UPLIFT |
|--------|---------|--------|
| (3)10D | 222     | 355    |
| (3)16D | 383     | 614    |

Wind loading: Basic wind speed is 140 MPH.  
Exposure category B or C.  
Occupancy category II.  
4.8 psf top chord dead load.  
4.2 psf bottom chord dead load.  
2.5' roof height.  
MWFRS gable end zone.  
Enclosed building (Cond. I)  
FBCR-47, TP1-02, ASCE 7-05  
Duration of load is 1.60

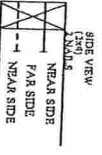
L= NAIL LENGTH

### 90 DEGREE ANGLE/SQUARE CUT

#### Connection at A



#### Connection at C



10d (0.131" x 3") nails

### 45 DEGREE ANGLE / SQUARE CUT

#### Connection at B



10d (0.131" x 3") nails

## TRUSS DETAILS

### TOE-NAILED CONNECTIONS

DRAWN BY:

GARAGE:

RELEASE DATE: 2/9/09

**Maronda Homes**

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

REVISIONS:

**TNI**

SHEET:

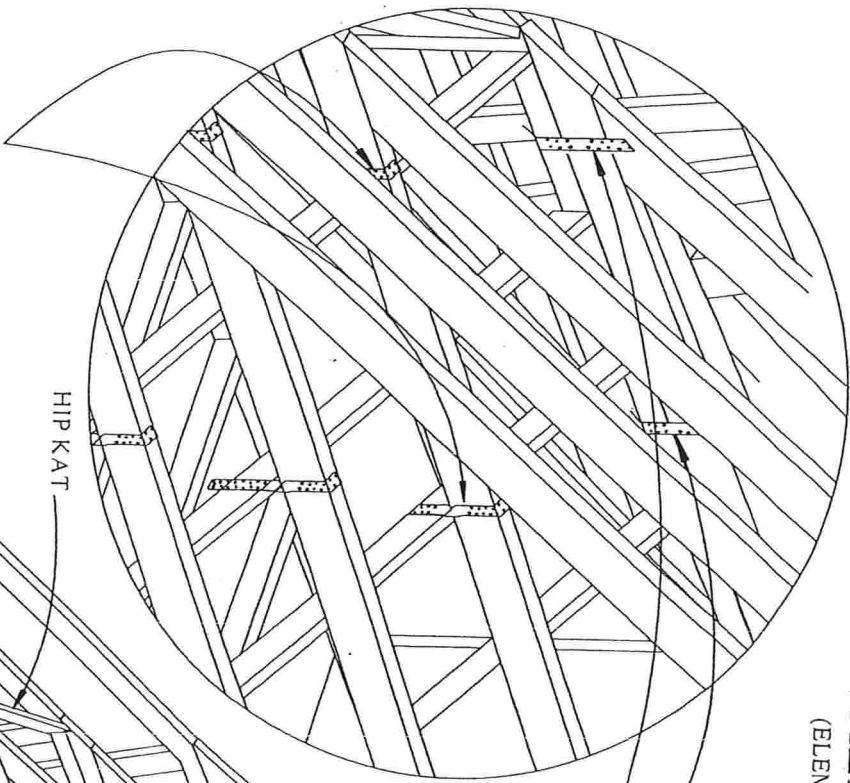
PLOT DATE:



# VALLEY CONNECTIONS (ELEMENTS NOT SHOWN FOR CLARITY)

Notes: Valley trusses can be installed either a top main body roof trusses or a top 7/16 sheathing. Connections of strapping remain the same as illustrated. Valley kats are required when a top main body truss option is utilized.

See truss engineering and standard details for truss bracing requirements.

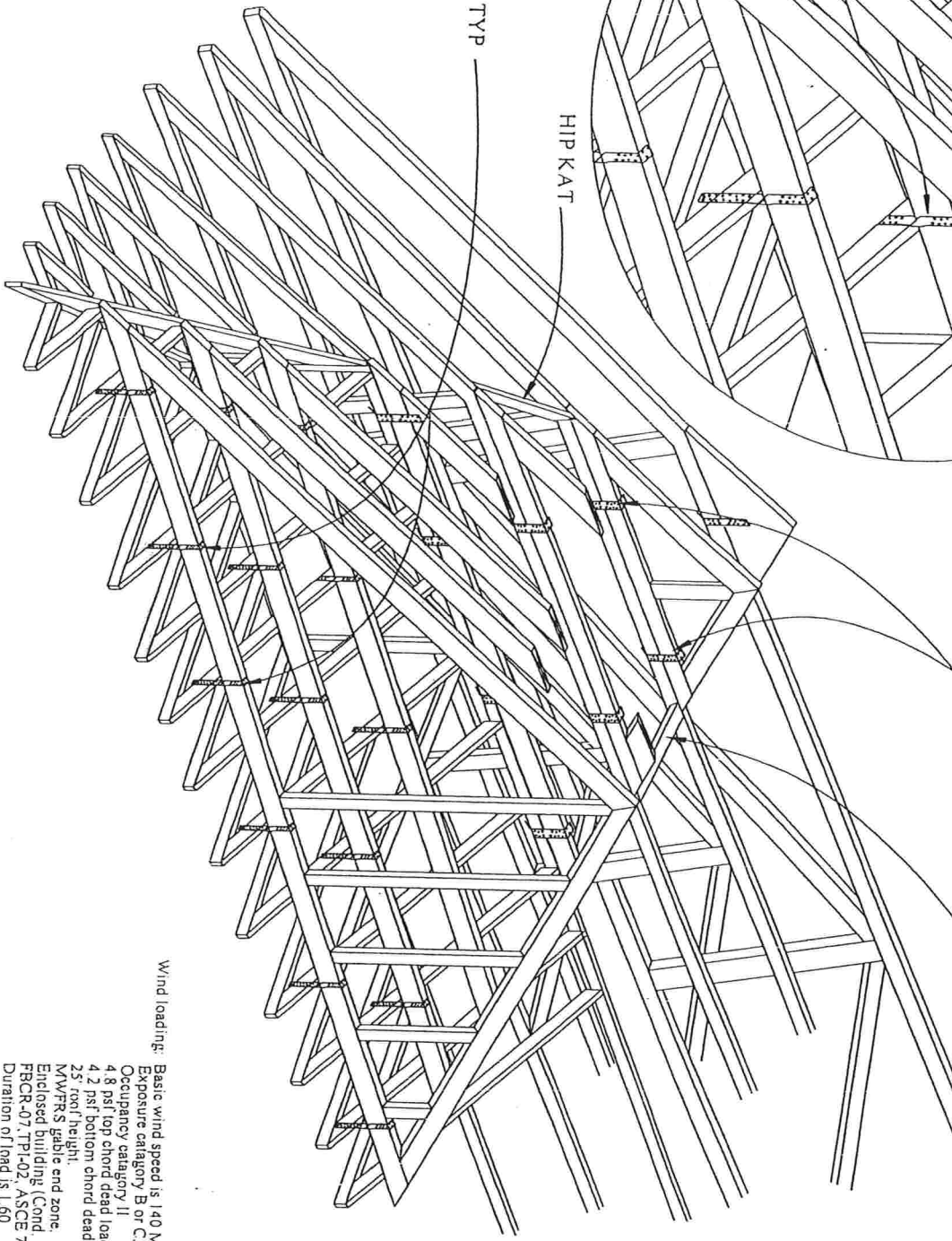


USP/MSTA12 @ 4'0.C. TYP

VALLEY KAT

HIP KAT

USP/LTW12 @ 4'0.C. TYP



Wind loading: Basic wind speed is 140 MPH, Exposure category B or C, Occupancy category II, 4.8 psf top chord dead load, 4.2 psf bottom chord dead load, 25' roof height, MW/FRS gable end zone, Enclosed building (Cond. I) FBCR-07.TP1-02, ASCE 7-05 Duration of load is 1.60

## TRUSS DETAILS VALLEY CONNECTIONS

DRAWN BY: J.FESSIA GARAGE:  
RELEASE DATE: 2/9/09

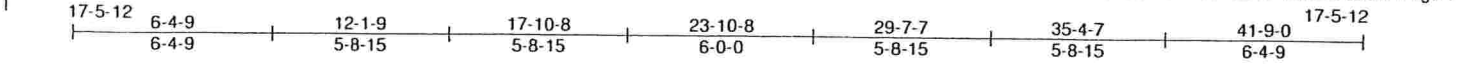


| REVISIONS |
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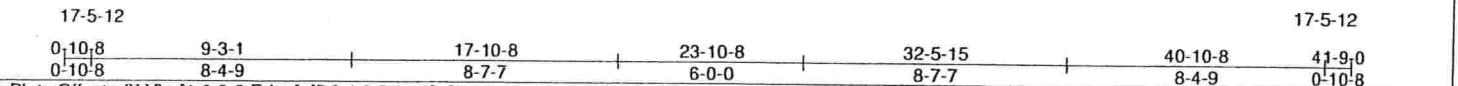
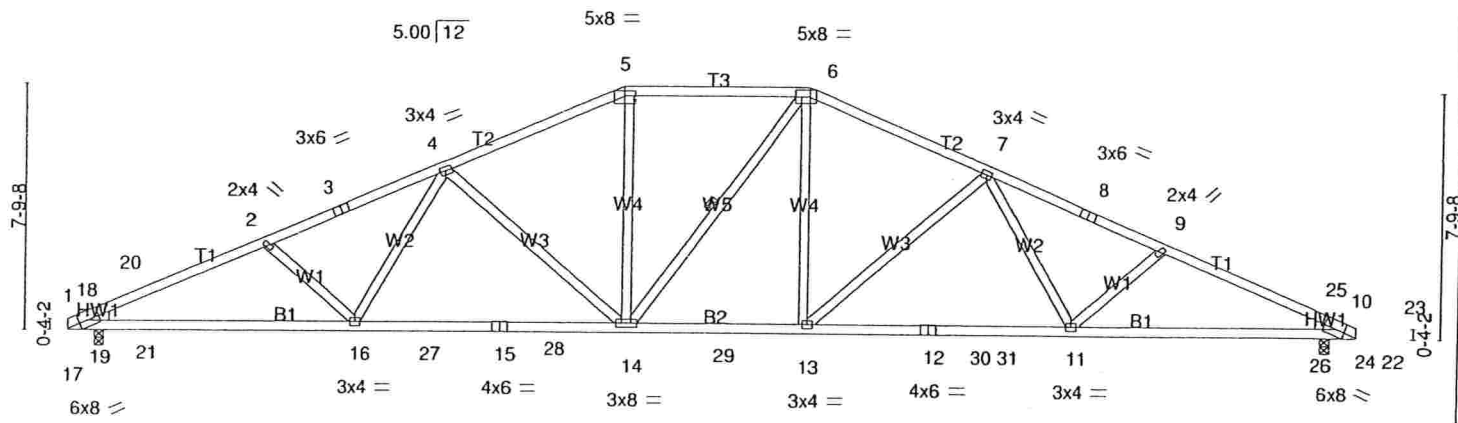
SHEET:  
VCI

PLUT DATE:

|                                                                            |       |            |     |     |                     |
|----------------------------------------------------------------------------|-------|------------|-----|-----|---------------------|
| Job                                                                        | Truss | Truss Type | Qty | Ply | BAYBURY_140_FLORIDA |
| BAYBURY                                                                    | H1X   | HIP        | 2   | 1   |                     |
| Maronda Homes Inc., Sanford, FL                                            |       |            |     |     |                     |
| 7.110 s Dec 15 2008 MiTek Industries, Inc. Wed Feb 04 15:05:22 2009 Page 1 |       |            |     |     |                     |



Scale = 1:71.1



|                                                                                          |                      |            |                               |               |             |
|------------------------------------------------------------------------------------------|----------------------|------------|-------------------------------|---------------|-------------|
| Plate Offsets (X,Y): [1:0-3-2,Edge], [5:0-4-0,0-1-13], [6:0-5-12,0-2-8], [10:0-3-2,Edge] |                      |            |                               |               |             |
| <b>LOADING</b> (psf)                                                                     | <b>SPACING</b>       | <b>CSI</b> | <b>DEFL</b>                   | <b>PLATES</b> | <b>GRIP</b> |
| TCLL 16.0                                                                                | Plates Increase 1.25 | TC 0.79    | in (loc) l/defl L/d           | MT20          | 244/190     |
| TCDL 7.0                                                                                 | Lumber Increase 1.25 | BC 0.82    | Vert(LL) 0.36 11-13 >999 360  |               |             |
| BCLL 0.0                                                                                 | Rep Stress Incr YES  | WB 0.48    | Vert(TL) -0.74 11-13 >677 240 |               |             |
| BCDL 10.0                                                                                | Code FRC2007/TPI2002 | (Matrix-M) | Horz(TL) 0.15 10 n/a n/a      |               |             |
| Weight: 216 lb                                                                           |                      |            |                               |               |             |

**LUMBER**  
TOP CHORD 2 X 4 SYP No.2 \*Except\*  
T1: 2 X 4 SYP No.1D  
BOT CHORD 2 X 4 SYP No.1D  
WEBS 2 X 4 SYP No.2 \*Except\*  
W1,W2: 2 X 4 SYP No.3

**BRACING**  
TOP CHORD Structural wood sheathing directly applied or 2-6-3 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 5-5-6 oc bracing.  
WEBS 1 Row at midpt 6-14

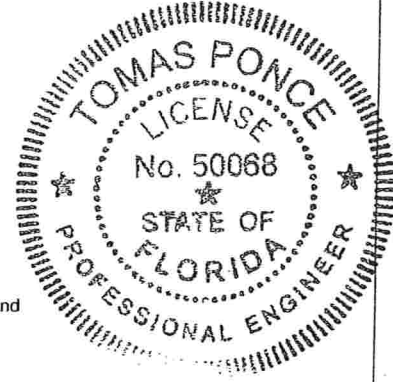
**WEDGE**  
Left: 2 X 4 SYP No.3, Right: 2 X 4 SYP No.3

**REACTIONS** (lb/size) 19=1506/0-1-8 (input: 0-3-8), 24=1514/0-1-8 (input: 0-3-8)  
Max Horz 19=-143(LC 7)  
Max Uplift 19=-562(LC 6), 24=-562(LC 7)

**FORCES** (lb) - Max. Comp/Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 18-20=-797/384, 2-20=-2863/1652, 2-3=-2728/1554, 3-4=-2694/1565, 4-5=-2204/1364, 5-6=-1995/1322, 6-7=-2225/1364, 7-8=-2712/1565, 8-9=-2746/1554, 9-25=-2880/1652, 23-25=-803/384  
BOT CHORD 19-21=-512/848, 16-21=-1402/2558, 16-27=-1201/2366, 27-28=-1201/2366, 15-28=-1201/2366, 14-15=-1201/2366, 14-29=-886/2015, 13-29=-886/2015, 12-13=-1201/2385, 12-30=-1201/2385, 30-31=-1201/2385, 11-31=-1201/2385, 11-26=-1402/2574, 24-26=-512/853  
WEBS 4-16=-53/344, 4-14=-513/422, 5-14=-214/565, 6-13=-215/605, 7-13=-511/422, 7-11=-53/345, 18-19=-587/280, 20-21=-492/465, 19-20=-1085/618, 18-21=-480/908, 23-24=-590/280, 25-26=-494/465, 24-25=-1091/618, 23-26=-480/913

- NOTES**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-05; 140mph (3-second gust); TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; 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, with BCDL = 10.0psf.
  - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 19=562, 24=562.

**LOAD CASE(S)** Standard



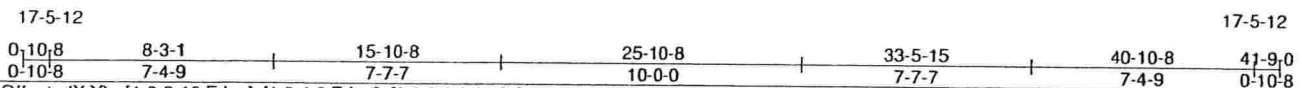
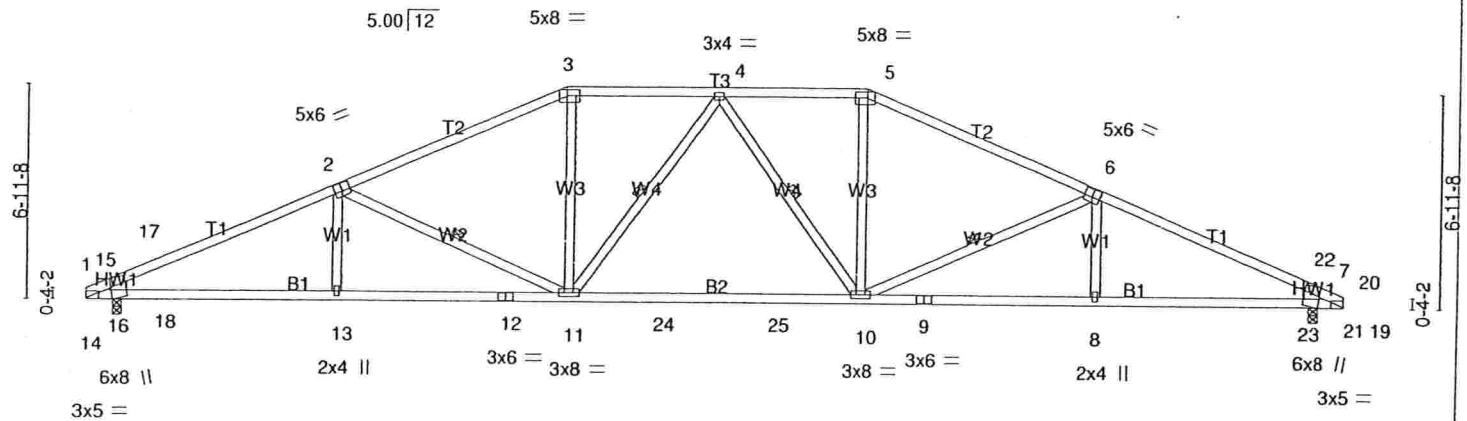
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FEB 24 2009

|                                 |                     |                          |                                                                            |                 |                            |
|---------------------------------|---------------------|--------------------------|----------------------------------------------------------------------------|-----------------|----------------------------|
| Job<br><b>BAYBURY</b>           | Truss<br><b>H2X</b> | Truss Type<br><b>HIP</b> | Qty<br><b>2</b>                                                            | Ply<br><b>1</b> | <b>BAYBURY_140_FLORIDA</b> |
| Maronda Homes Inc., Sanford, FL |                     |                          | 7.110 s Dec 15 2008 MiTek Industries, Inc. Wed Feb 04 15:05:24 2009 Page 1 |                 |                            |



Scale = 1:72.6



| LOADING (psf)  | SPACING              | CSI        | DEFL           | in (loc) | l/defl | L/d | PLATES | GRIP    |
|----------------|----------------------|------------|----------------|----------|--------|-----|--------|---------|
| TCLL 16.0      | Plates Increase 1.25 | TC 0.87    | Vert(LL) -0.42 | 10-11    | >999   | 360 | MT20   | 244/190 |
| TCDL 7.0       | Lumber Increase 1.25 | BC 0.90    | Vert(TL) -0.85 | 10-11    | >592   | 240 |        |         |
| BCLL 0.0       | Rep Stress Incr YES  | WB 0.12    | Horz(TL) 0.15  | 7        | n/a    | n/a |        |         |
| BCDL 10.0      | Code FRC2007/TPI2002 | (Matrix-M) |                |          |        |     |        |         |
| Weight: 207 lb |                      |            |                |          |        |     |        |         |

|                              |                                                                           |
|------------------------------|---------------------------------------------------------------------------|
| <b>LUMBER</b>                | <b>BRACING</b>                                                            |
| TOP CHORD 2 X 4 SYP No.2     | TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins. |
| BOT CHORD 2 X 4 SYP No.1D    | BOT CHORD Rigid ceiling directly applied or 5-6-2 oc bracing.             |
| WEBS 2 X 4 SYP No.2 *Except* | WEBS 1 Row at midpt 2-11, 4-11, 4-10, 6-10                                |
| W1: 2 X 4 SYP No.3           |                                                                           |

**WEDGE**  
Left: 2 X 4 SYP No.3, Right: 2 X 4 SYP No.3

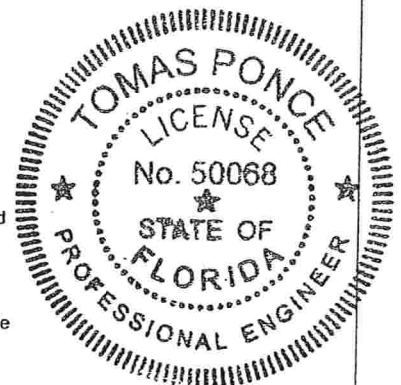
**REACTIONS** (lb/size) 16=1455/0-1-8 (input: 0-3-8), 21=1455/0-1-8 (input: 0-3-8)  
Max Horz 16=127(LC 6)  
Max Uplift 16=541(LC 6), 21=541(LC 7)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
**TOP CHORD** 15-17=-825/378, 2-17=-2727/1640, 2-3=-2334/1446, 3-4=-2109/1420, 4-5=-2109/1420, 5-6=-2334/1446, 6-22=-2727/1640, 20-22=-825/378  
**BOT CHORD** 16-18=-504/765, 13-18=-1379/2444, 12-13=-1382/2443, 11-12=-1382/2443, 11-24=-1103/2163, 24-25=-1103/2163, 10-25=-1103/2163, 9-10=-1382/2443, 8-9=-1382/2443, 8-23=-1379/2444, 21-23=-504/765  
**WEBS** 2-11=-403/389, 3-11=-178/533, 5-10=-178/533, 6-10=-403/389, 15-16=-642/293, 17-18=-280/443, 16-17=-1057/621, 15-18=-466/865, 20-21=-642/293, 22-23=-280/443, 21-22=-1057/621, 20-23=-466/865

#### NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-05; 140mph (3-second gust); TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; 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, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=541, 21=541.

**LOAD CASE(S)** Standard



*[Signature]*

FEB 24 2009



|                                 |                     |                          |                 |                 |                            |
|---------------------------------|---------------------|--------------------------|-----------------|-----------------|----------------------------|
| Job<br><b>BAYBURY</b>           | Truss<br><b>H3X</b> | Truss Type<br><b>HIP</b> | Qty<br><b>2</b> | Ply<br><b>1</b> | <b>BAYBURY_140_FLORIDA</b> |
| Maronda Homes Inc., Sanford, FL |                     |                          |                 |                 | Job Reference (optional)   |

7.110 s Dec 15 2008 MiTek Industries, Inc. Wed Feb 04 15:05:26 2009 Page 1



Scale = 1:77.0

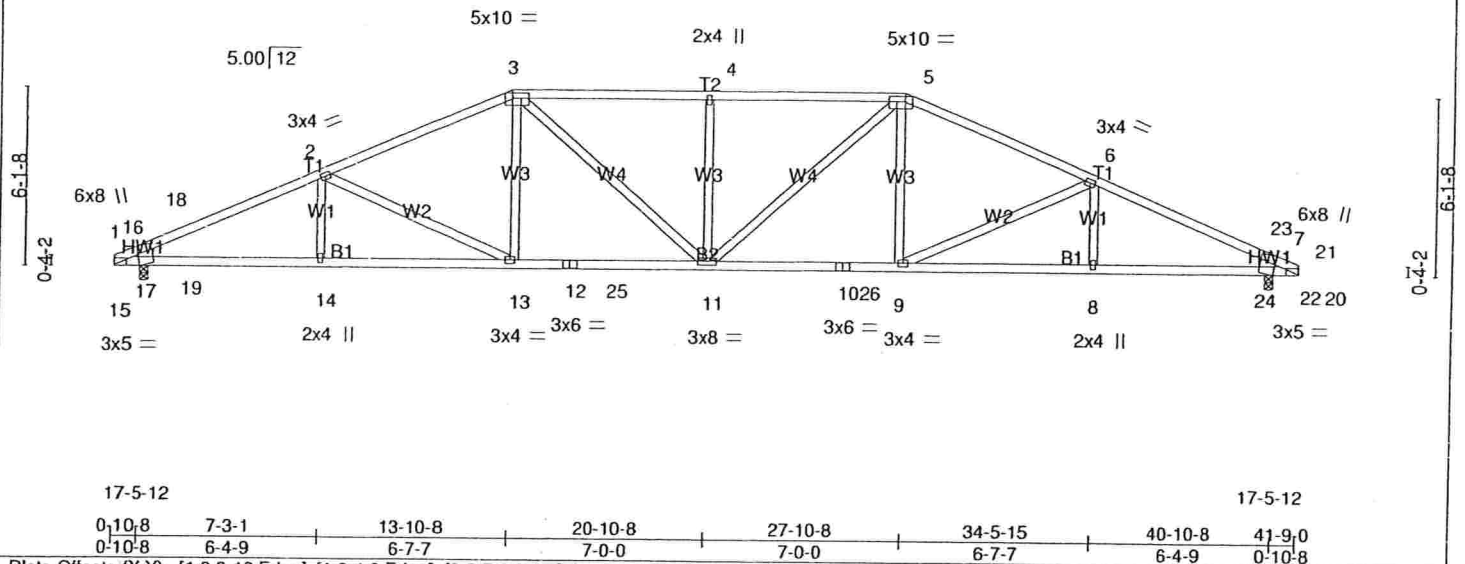


Plate Offsets (X,Y): [1:0-2-10,Edge], [1:0-4-0,Edge], [3:0-7-0,0-2-4], [5:0-7-0,0-2-4], [7:0-4-0,Edge], [7:0-2-10,Edge]

| LOADING (psf)  | SPACING              | 2-0-0 | CSI        | DEFL     | in (loc) | l/defl | L/d  | PLATES | GRIP    |
|----------------|----------------------|-------|------------|----------|----------|--------|------|--------|---------|
| TCLL 16.0      | Plates Increase      | 1.25  | TC 0.83    | Vert(LL) | 0.36     | 11     | >999 | 360    | MT20    |
| TCDL 7.0       | Lumber Increase      | 1.25  | BC 0.92    | Vert(TL) | -0.56    | 11-13  | >899 | 240    | 244/190 |
| BCLL 0.0       | Rep Stress Incr      | YES   | WB 0.28    | Horz(TL) | 0.16     | 7      | n/a  | n/a    |         |
| BCDL 10.0      | Code FRC2007/TPI2002 |       | (Matrix-M) |          |          |        |      |        |         |
| Weight: 210 lb |                      |       |            |          |          |        |      |        |         |

#### LUMBER

TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP No.1D \*Except\*  
B2: 2 X 4 SYP No.2  
WEBS 2 X 4 SYP No.3 \*Except\*  
W2,W4: 2 X 4 SYP No.2  
WEDGE  
Left: 2 X 4 SYP No.3, Right: 2 X 4 SYP No.3

#### BRACING

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

#### REACTIONS

(lb/size) 17=1471/0-1-8 (input: 0-3-8), 22=1471/0-1-8 (input: 0-3-8)  
Max Horz 17=111(LC 6)  
Max Uplift 17=519(LC 6), 22=519(LC 7)

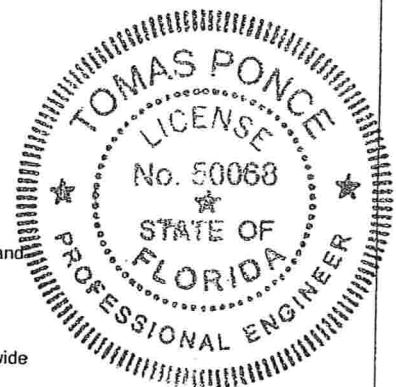
#### FORCES (lb)

- Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 16-18=-844/427, 2-18=-2758/1659, 2-3=-2473/1550, 3-4=-2530/1690, 4-5=-2530/1690,  
5-6=-2473/1550, 6-23=-2758/1659, 21-23=-844/427  
BOT CHORD 17-19=-490/769, 14-19=-1407/2473, 13-14=-1407/2473, 12-13=-1171/2259,  
12-25=-1171/2259, 11-25=-1171/2259, 11-26=-1171/2259, 10-26=-1171/2259,  
9-10=-1171/2259, 8-9=-1407/2473, 8-24=-1407/2473, 22-24=-490/769  
WEBS 2-13=-266/297, 3-13=-62/401, 3-11=-234/479, 4-11=-318/379, 5-11=-234/479,  
5-9=-62/401, 6-9=-266/298, 16-17=-656/335, 18-19=-263/355, 17-18=-1069/633,  
16-19=-480/876, 21-22=-656/335, 23-24=-263/355, 22-23=-1069/633, 21-24=-480/876

#### NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-05; 140mph (3-second gust); TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; 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, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 17=519, 22=519.

LOAD CASE(S) Standard



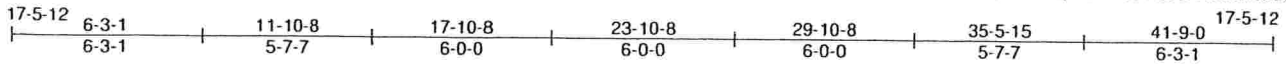
*[Signature]*

FEB 24 2009

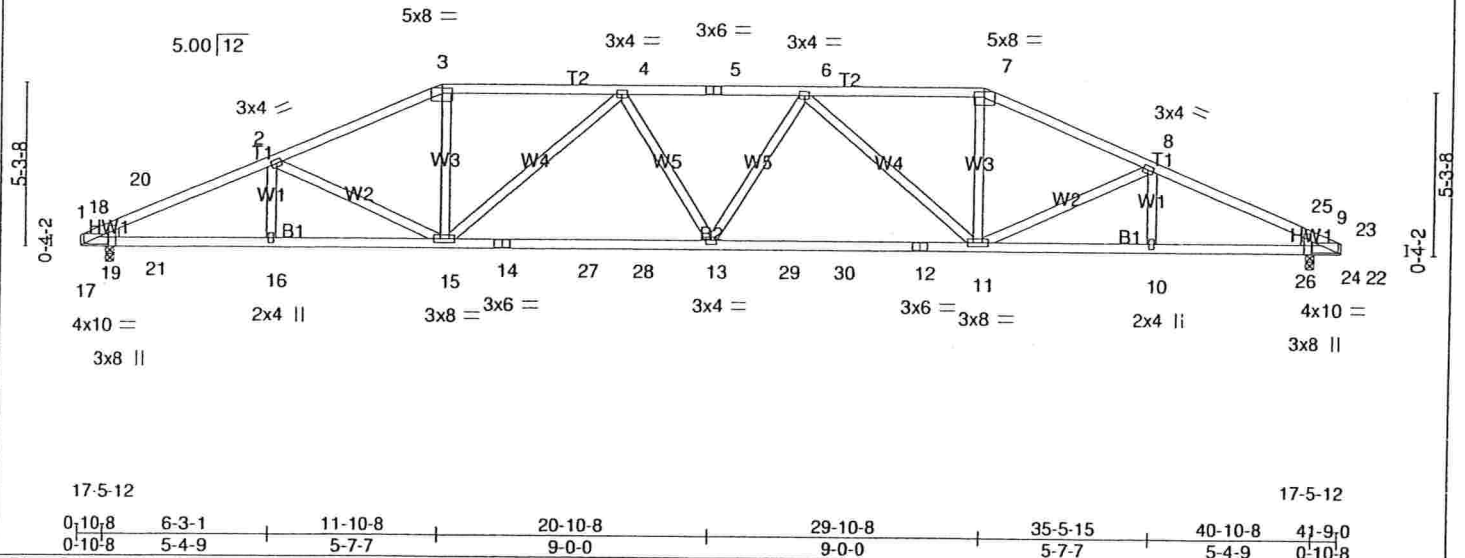
|         |       |            |     |     |                          |
|---------|-------|------------|-----|-----|--------------------------|
| Job     | Truss | Truss Type | Qty | Ply | BAYBURY_140_FLORIDA      |
| BAYBURY | H4X   | HIP        | 2   | 1   | Job Reference (optional) |

Maronda Homes Inc., Sanford, FL

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Scale = 1:72.4



|                                                                                                                           |                      |            |                               |                |             |
|---------------------------------------------------------------------------------------------------------------------------|----------------------|------------|-------------------------------|----------------|-------------|
| Plate Offsets (X,Y): [1:0-0-5,Edge], [1:0-1-5,0-0-5], [3:0-4-0,0-1-13], [7:0-4-0,0-1-13], [9:0-1-5,0-0-5], [9:0-0-5,Edge] |                      |            |                               |                |             |
| <b>LOADING</b> (psf)                                                                                                      | <b>SPACING</b>       | <b>CSI</b> | <b>DEFL</b>                   | <b>PLATES</b>  | <b>GRIP</b> |
| TCLL 16.0                                                                                                                 | 2-0-0                | TC 0.77    | in (loc) l/defl L/d           | MT20           | 244/190     |
| TCDL 7.0                                                                                                                  | Plates Increase 1.25 | BC 0.91    | Veri(LL) 0.40 13 >999 360     |                |             |
| BCLL 0.0                                                                                                                  | Lumber Increase 1.25 | WB 0.65    | Veri(TL) -0.70 13-15 >712 240 |                |             |
| BCDL 10.0                                                                                                                 | Rep Stress Incr YES  | (Matrix-M) | Horz(TL) 0.17 9 n/a n/a       |                |             |
|                                                                                                                           | Code FRC2007/TPI2002 |            |                               | Weight: 207 lb |             |

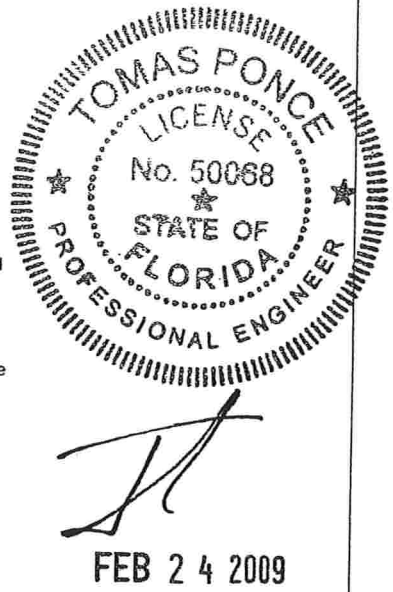
|                                             |                                                                           |
|---------------------------------------------|---------------------------------------------------------------------------|
| <b>LUMBER</b>                               | <b>BRACING</b>                                                            |
| TOP CHORD 2 X 4 SYP No.2                    | TOP CHORD Structural wood sheathing directly applied or 2-7-9 oc purlins. |
| BOT CHORD 2 X 4 SYP No.1D *Except*          | BOT CHORD Rigid ceiling directly applied or 4-11-3 oc bracing.            |
| B2: 2 X 4 SYP No.2                          |                                                                           |
| WEBS 2 X 4 SYP No.3 *Except*                |                                                                           |
| W4: 2 X 4 SYP No.2                          |                                                                           |
| <b>WEDGE</b>                                |                                                                           |
| Left: 2 X 4 SYP No.3, Right: 2 X 4 SYP No.3 |                                                                           |

|                            |                                                            |
|----------------------------|------------------------------------------------------------|
| <b>REACTIONS</b> (lb/size) | 19=1451/0-1-8 (input: 0-3-8), 24=1451/0-1-8 (input: 0-3-8) |
| Max Horz                   | 19=95(LC 6)                                                |
| Max Uplift                 | 19=-542(LC 5), 24=-542(LC 4)                               |

|                                                                                            |                                                                                                                                                                                                                                                        |
|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FORCES</b> (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. |                                                                                                                                                                                                                                                        |
| TOP CHORD                                                                                  | 18-20=-839/463, 2-20=-2676/1668, 2-3=-2549/1631, 3-4=-2347/1582, 4-5=-2906/1880, 5-6=-2906/1880, 6-7=-2347/1582, 7-8=-2549/1631, 8-25=-2676/1668, 23-25=-839/463                                                                                       |
| BOT CHORD                                                                                  | 19-21=-479/743, 16-21=-1423/2399, 15-16=-1423/2399, 14-15=-1620/2822, 14-27=-1620/2822, 27-28=-1620/2822, 13-28=-1620/2822, 13-29=-1620/2822, 29-30=-1620/2822, 12-30=-1620/2822, 11-12=-1620/2822, 10-11=-1423/2399, 10-26=-1423/2399, 24-26=-479/743 |
| WEBS                                                                                       | 3-15=-290/660, 4-15=-717/431, 6-11=-717/431, 7-11=-290/660, 18-19=-660/368, 20-21=-220/285, 19-20=-1043/640, 18-21=-490/853, 23-24=-660/368, 25-26=-219/285, 24-25=-1043/640, 23-26=-490/853                                                           |

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-05; 140mph (3-second gust); TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; 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, with BCDL = 10.0psf.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 19=542, 24=542.

**LOAD CASE(S)** Standard

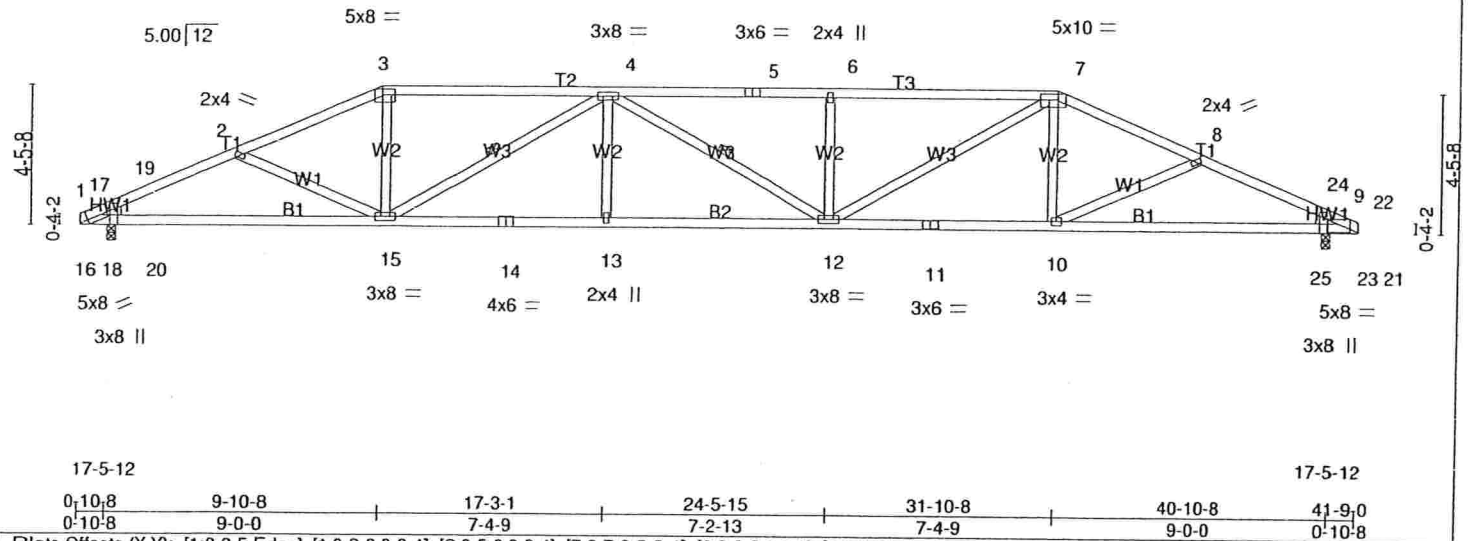


|                                 |       |            |     |     |                          |
|---------------------------------|-------|------------|-----|-----|--------------------------|
| Job                             | Truss | Truss Type | Qty | Ply | BAYBURY_140_FLORIDA      |
| BAYBURY                         | H5X   | HIP        | 2   | 1   | Job Reference (optional) |
| Maronda Homes Inc., Sanford, FL |       |            |     |     |                          |

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|         |       |        |        |         |         |         |        |         |
|---------|-------|--------|--------|---------|---------|---------|--------|---------|
| 17-5-12 | 5-3-1 | 9-10-8 | 17-3-1 | 24-5-15 | 31-10-8 | 36-5-15 | 41-9-0 | 17-5-12 |
| 5-3-1   | 4-7-7 | 7-4-9  | 7-2-13 | 7-4-9   | 4-7-7   | 5-3-1   |        |         |

Scale = 1:71.4



|                                                                                                                         |                      |       |            |          |             |        |     |        |         |
|-------------------------------------------------------------------------------------------------------------------------|----------------------|-------|------------|----------|-------------|--------|-----|--------|---------|
| Plate Offsets (X,Y): [1:0-0-5,Edge], [1:0-3-6,0-3-4], [3:0-5-0,0-2-4], [7:0-7-0,0-2-4], [9:0-3-5,0-0-1], [9:0-0-5,Edge] |                      |       |            |          |             |        |     |        |         |
| LOADING (psf)                                                                                                           | SPACING              | 2-0-0 | CSI        | DEFL     | in (loc)    | I/defl | L/d | PLATES | GRIP    |
| TCLL 16.0                                                                                                               | Plates Increase      | 1.25  | TC 0.69    | Vert(LL) | 0.51 12-13  | >990   | 360 | MT20   | 244/190 |
| TCDL 7.0                                                                                                                | Lumber Increase      | 1.25  | BC 0.88    | Vert(TL) | -0.70 12-13 | >713   | 240 |        |         |
| BCLL 0.0                                                                                                                | Rep Stress Incr      | YES   | WB 0.73    | Horz(TL) | 0.18 9      | n/a    | n/a |        |         |
| BCDL 10.0                                                                                                               | Code FRC2007/TPI2002 |       | (Matrix-M) |          |             |        |     |        |         |
| Weight: 203 lb                                                                                                          |                      |       |            |          |             |        |     |        |         |

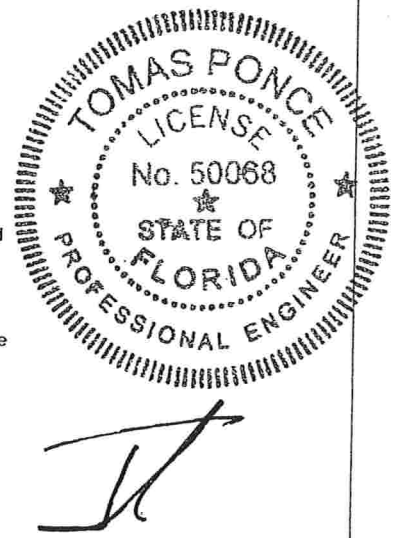
**LUMBER**  
TOP CHORD 2 X 4 SYP No.1D \*Except\*  
T2,T3: 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP No.2  
WEBS 2 X 4 SYP No.3 \*Except\*  
W3: 2 X 4 SYP No.2  
WEDGE  
Left: 2 X 4 SYP No.3, Right: 2 X 4 SYP No.3

**REACTIONS** (lb/size) 18=1378/0-1-10 (input: 0-3-8), 23=1378/0-1-10 (input: 0-3-8)  
Max Horz 18=-79(LC 7)  
Max Uplift 18=-569(LC 5), 23=-569(LC 4)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 17-19=-689/347, 2-19=-2505/1726, 2-3=-2463/1696, 3-4=-2287/1650, 4-5=-3123/2250,  
5-6=-3123/2250, 6-7=-3123/2249, 7-8=-2463/1697, 8-24=-2506/1727, 22-24=-690/347  
BOT CHORD 18-20=-560/742, 15-20=-1460/2223, 14-15=-2009/3123, 13-14=-2009/3123,  
12-13=-2009/3123, 11-12=-1397/2270, 10-11=-1397/2270, 10-25=-1460/2224,  
23-25=-560/742  
WEBS 3-15=-265/653, 4-15=-1037/694, 4-13=0/287, 6-12=-339/408, 7-12=-701/1052,  
7-10=0/269, 17-18=-535/252, 19-20=-473/615, 18-19=-956/646, 17-20=-513/809,  
22-23=-536/251, 24-25=-473/617, 23-24=-956/646, 22-25=-513/809

**NOTES**  
1) Unbalanced roof live loads have been considered for this design.  
2) Wind: ASCE 7-05; 140mph (3-second gust); TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; 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 100 lb uplift at joint(s) except (jt=lb) 18=569, 23=569.

**LOAD CASE(S)** Standard



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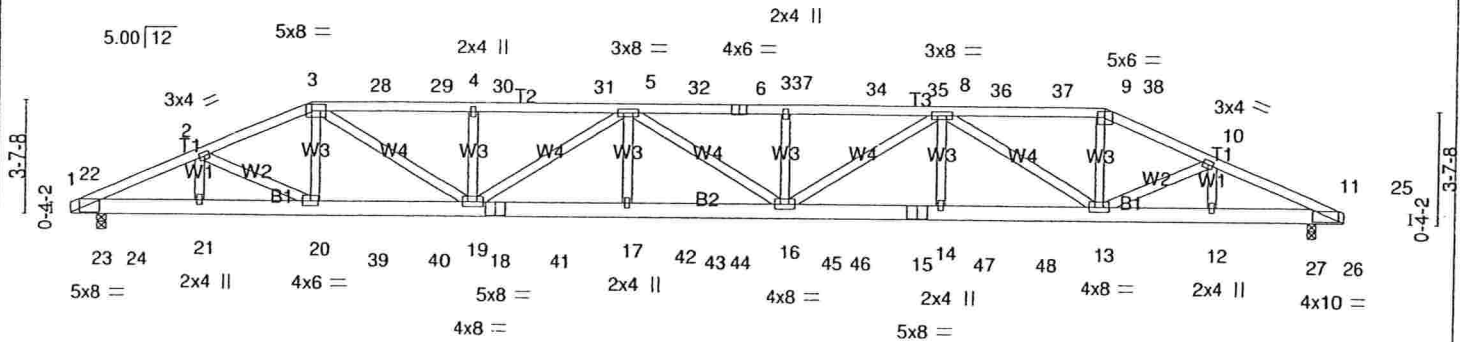
|         |        |            |     |     |                          |
|---------|--------|------------|-----|-----|--------------------------|
| Job     | Truss  | Truss Type | Qty | Ply | BAYBURY_140_FLORIDA      |
| BAYBURY | HGRD1X | HIP        | 1   | 2   | Job Reference (optional) |

Maronda Homes Inc., Sanford, FL

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|         |       |        |         |         |        |        |         |         |        |         |
|---------|-------|--------|---------|---------|--------|--------|---------|---------|--------|---------|
| 17-5-12 | 4-3-1 | 7-10-8 | 13-1-15 | 18-3-10 | 23-5-6 | 28-7-1 | 33-10-8 | 37-5-15 | 41-9-0 | 17-5-12 |
| 4-3-1   | 3-7-7 | 5-3-7  | 5-1-11  | 5-1-11  | 5-1-11 | 5-3-7  | 3-7-7   | 4-3-1   |        |         |

Scale = 1:71.8



17-5-12

17-5-12

|        |       |        |         |         |        |        |         |         |         |        |
|--------|-------|--------|---------|---------|--------|--------|---------|---------|---------|--------|
| 0-10-8 | 4-3-1 | 7-10-8 | 13-1-15 | 18-3-10 | 23-5-6 | 28-7-1 | 33-10-8 | 37-5-15 | 40-10-8 | 41-9-0 |
| 0-10-8 | 3-4-9 | 3-7-7  | 5-3-7   | 5-1-11  | 5-1-11 | 5-1-11 | 5-3-7   | 3-7-7   | 3-4-9   | 0-10-8 |

Plate Offsets (X,Y): [1:0-2-12,0-2-8], [3:0-5-12,0-2-8], [6:0-3-0,Edge], [9:0-3-0,0-2-4], [11:0-1-15,0-0-5]

| LOADING (psf) | SPACING              | CSI        | DEFL     | in (loc)    | I/defl | L/d | PLATES         | GRIP    |
|---------------|----------------------|------------|----------|-------------|--------|-----|----------------|---------|
| TCLL 16.0     | Plates Increase 1.25 | TC 0.52    | Vert(LL) | 0.62 16-17  | >813   | 360 | MT20           | 244/190 |
| TCDL 7.0      | Lumber Increase 1.25 | BC 0.77    | Vert(TL) | -0.84 16-17 | >595   | 240 |                |         |
| BCLL 0.0      | Rep Stress Incr NO   | WB 0.44    | Horz(TL) | 0.14 11     | n/a    | n/a |                |         |
| BCDL 10.0     | Code FRC2007/TPI2002 | (Matrix-M) |          |             |        |     |                |         |
|               |                      |            |          |             |        |     | Weight: 490 lb |         |

#### LUMBER

TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 6 SYP No.1D  
WEBS 2 X 4 SYP No.3

#### BRACING

TOP CHORD Structural wood sheathing directly applied or 4-3-0 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 7-6-1 oc bracing.

#### REACTIONS

(lb/size) 24=2932/0-1-8 (input: 0-3-8), 27=2932/0-1-8 (input: 0-3-8)  
Max Horz 24=-63(LC 6)  
Max Uplift 24=-1781(LC 4), 27=-1781(LC 3)

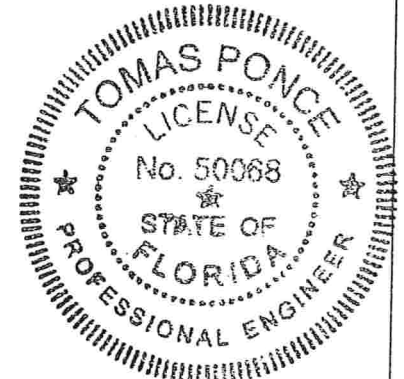
#### FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-22=-1675/1030, 2-22=-5057/3162, 2-3=-6159/3970, 3-28=-8017/5215, 28-29=-8017/5215,  
4-29=-8017/5215, 4-30=-8017/5215, 30-31=-8017/5215, 31-32=-8017/5215,  
5-32=-8017/5215, 5-33=-9214/5985, 6-33=-9214/5985, 6-7=-9214/5985, 7-34=-9214/5985,  
34-35=-9214/5985, 35-36=-9214/5985, 8-36=-9214/5985, 8-37=-5741/3741,  
37-38=-5741/3741, 9-38=-5741/3741, 9-10=-6125/3947, 10-25=-5069/3171,  
11-25=-1676/1032  
BOT CHORD 1-23=-936/1524, 23-24=-2836/4583, 21-24=-2839/4583, 20-21=-2839/4583,  
20-39=-3597/5709, 39-40=-3597/5709, 19-40=-3597/5709, 18-19=-5908/9282,  
18-41=-5908/9282, 41-42=-5908/9282, 17-42=-5908/9282, 17-43=-5908/9282,  
43-44=-5908/9282, 16-44=-5908/9282, 16-45=-5129/8075, 45-46=-5129/8075,  
15-46=-5129/8075, 14-15=-5129/8075, 14-47=-5129/8075, 47-48=-5129/8075,  
13-48=-5129/8075, 12-13=-2844/4593, 12-27=-2844/4593, 26-27=-2844/4593,  
11-26=-938/1526  
WEBS 2-21=-891/623, 2-20=-822/1280, 3-20=-339/630, 3-19=-1754/2756, 4-19=-281/330,  
5-19=-1526/969, 5-17=-195/606, 7-16=-288/329, 8-16=-864/1381, 8-14=-148/556,  
8-13=-2806/1795, 9-13=-1219/2026, 10-13=-789/1235, 10-12=-856/599, 22-23=-1403/914,  
25-26=-1409/918

#### NOTES

- 2-ply truss to be connected together with 10d (0.120"x3") nails as follows:  
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.  
Bottom chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.  
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 140mph (3-second gust); TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed; 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 100 lb uplift at joint(s) except (jt=lb)  
24=1781, 27=1781.

Continued on page 2



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|         |        |            |     |     |                          |
|---------|--------|------------|-----|-----|--------------------------|
| Job     | Truss  | Truss Type | Qty | Ply | BAYBURY_140_FLORIDA      |
| BAYBURY | HGRD1X | HIP        | 1   | 2   | Job Reference (optional) |

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#### NOTES

9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 26 lb down and 64 lb up at 7-10-8, 26 lb down and 64 lb up at 9-11-4, 26 lb down and 64 lb up at 11-11-4, 26 lb down and 64 lb up at 13-11-4, 26 lb down and 64 lb up at 15-11-4, 26 lb down and 64 lb up at 17-11-4, 26 lb down and 64 lb up at 19-11-4, 26 lb down and 64 lb up at 21-9-12, 26 lb down and 64 lb up at 23-9-12, 26 lb down and 64 lb up at 25-9-12, 26 lb down and 64 lb up at 27-9-12, 26 lb down and 64 lb up at 29-9-12, and 26 lb down and 64 lb up at 31-9-12, and 26 lb down and 64 lb up at 33-10-8 on top chord, and 573 lb down and 417 lb up at 7-10-8, 133 lb down and 75 lb up at 9-11-4, 133 lb down and 75 lb up at 11-11-4, 133 lb down and 75 lb up at 13-11-4, 133 lb down and 75 lb up at 15-11-4, 133 lb down and 75 lb up at 17-11-4, 133 lb down and 75 lb up at 19-11-4, 133 lb down and 75 lb up at 21-9-12, 133 lb down and 75 lb up at 23-9-12, 133 lb down and 75 lb up at 25-9-12, 133 lb down and 75 lb up at 27-9-12, 133 lb down and 75 lb up at 29-9-12, and 133 lb down and 75 lb up at 31-9-12, and 573 lb down and 417 lb up at 33-9-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

#### LOAD CASE(S) Standard

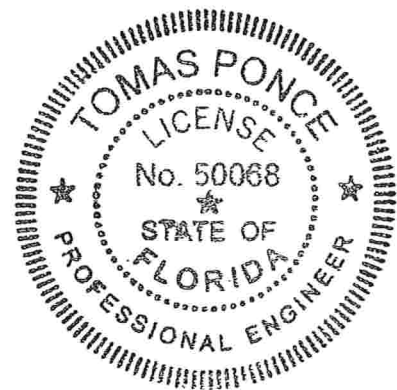
1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-46, 3-9=-46, 9-11=-46, 1-11=-20

Concentrated Loads (lb)

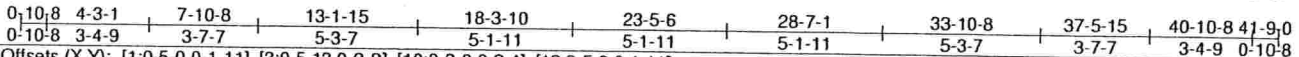
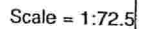
Vert: 3=-26(F) 6=-26(F) 9=-26(F) 18=-133(F) 20=-573(F) 13=-573(F) 15=-133(F) 28=-26(F) 29=-26(F) 30=-26(F) 31=-26(F) 32=-26(F) 33=-26(F) 34=-26(F) 35=-26(F) 36=-26(F) 37=-26(F) 38=-26(F) 39=-133(F) 40=-133(F) 41=-133(F) 42=-133(F) 43=-133(F) 44=-133(F) 45=-133(F) 46=-133(F) 47=-133(F) 48=-133(F)



*[Signature]*

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Weight: 503 lb

|           |                                                                  |
|-----------|------------------------------------------------------------------|
| TOP CHORD | Structural wood sheathing directly applied or 4-1-13 oc purlins. |
| BOT CHORD | Rigid ceiling directly applied or 7-11-0 oc bracing.             |

## A circular professional engineer seal for the State of Florida. The outer ring contains the text "TOMAS PONCE" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. The inner circle contains the text "LICENSE" at the top, "No. 50068" in the center, and "STATE OF FLORIDA" at the bottom, also separated by two stars. The seal is surrounded by a decorative border of small dots.

- 1) Special connection required to distribute web loads equally between all plies.
- 2) 2-ply truss to be connected together with 10d (0.120"x3") nails as follows:  
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.  
Bottom chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.  
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
- 3) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 4) Unbalanced roof live loads have been considered for this design.
- 5) Wind: ASCE 7-05; 140mph (3-second gust); TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
- 6) Provide adequate drainage to prevent water ponding.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) \* 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.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb)  
26=1177, 29=1615

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|         |        |            |     |     |                          |
|---------|--------|------------|-----|-----|--------------------------|
| Job     | Truss  | Truss Type | Qty | Ply | BAYBURY_140_FLORIDA      |
| BAYBURY | HGRD2X | HIP        | 1   | 2   | Job Reference (optional) |

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#### NOTES

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 95 lb down and 126 lb up at 21-9-12, 43 lb down and 119 lb up at 23-9-12, 43 lb down and 119 lb up at 25-9-12, 43 lb down and 119 lb up at 27-9-12, 95 lb down and 126 lb up at 29-9-12, 95 lb down and 126 lb up at 31-9-12, and 95 lb down and 126 lb up at 33-10-8, and 1173 lb down and 597 lb up at 20-11-4 on top chord, and 97 lb down and 47 lb up at 20-11-4, 76 lb down at 21-9-12, 38 lb down at 23-9-12, 38 lb down at 25-9-12, 38 lb down at 27-9-12, 76 lb down at 29-9-12, and 76 lb down at 31-9-12, and 492 lb down and 321 lb up at 33-9-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

#### LOAD CASE(S) Standard

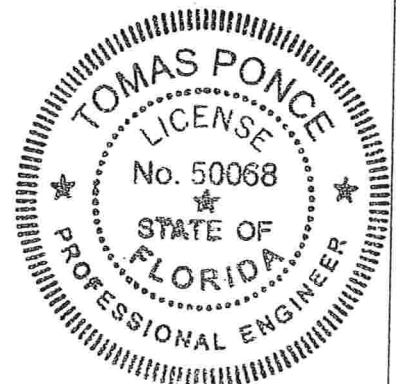
1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-46, 3-10=-46, 10-12=-46, 1-12=-20

Concentrated Loads (lb)

Vert: 7=-95(F) 10=-95(F) 18=-49(F) 14=-492(F) 16=-19(F) 6=-1173(F) 30=-43(F) 31=-43(F) 32=-43(F) 33=-95(F) 34=-95(F) 35=-53(F) 36=-19(F) 37=-19(F) 38=-53(F) 39=-53(F)

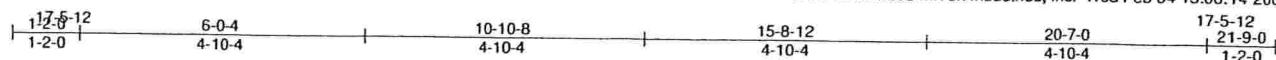


A handwritten signature in black ink, appearing to be "TP" or similar initials, written over the seal.

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|                                 |       |            |     |     |                          |
|---------------------------------|-------|------------|-----|-----|--------------------------|
| Job                             | Truss | Truss Type | Qty | Ply | BAYBURY_140_FLORIDA      |
| BAYBURY                         | S1X   | SPECIAL    | 2   | 1   |                          |
| Maronda Homes Inc., Sanford, FL |       |            |     |     | Job Reference (optional) |

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Scale = 1:37.6

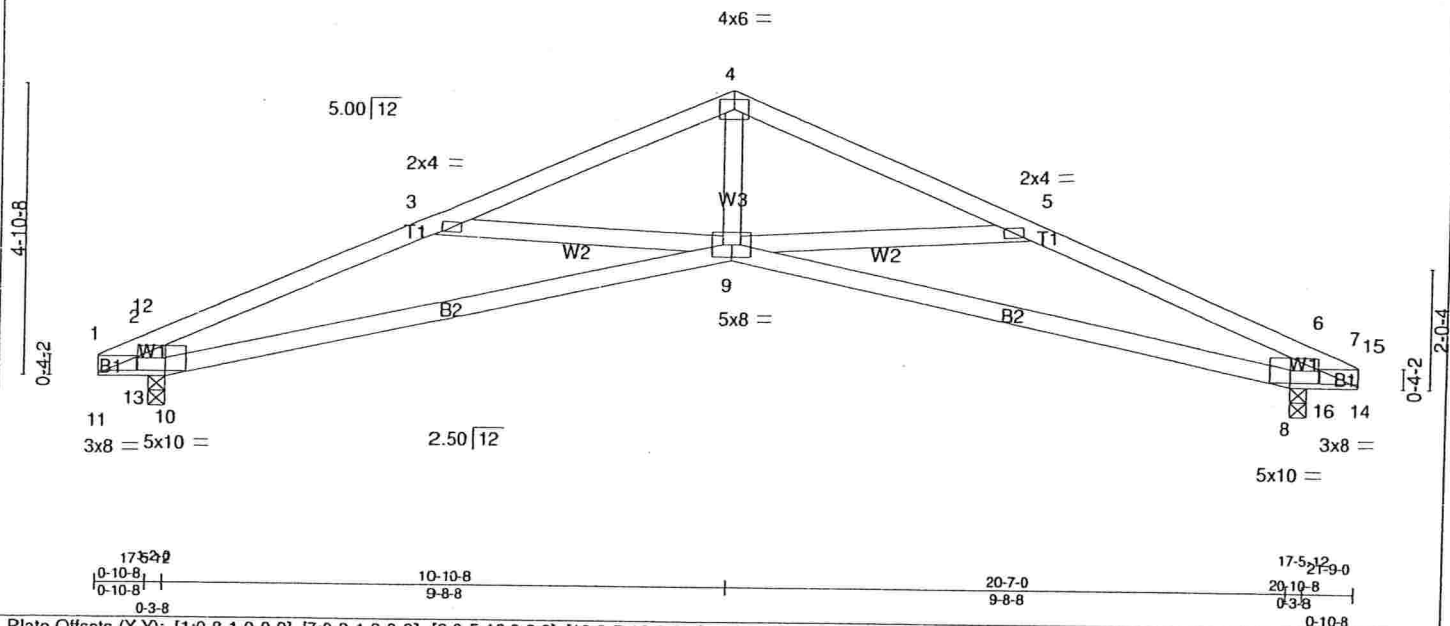


Plate Offsets (X,Y): [1:0-8-1,0-0-9], [7:0-8-1,0-0-9], [8:0-5-12,0-2-8], [10:0-5-12,0-2-8]

| LOADING (psf) | SPACING              | 2-0-0 | CSI        | DEFL     | in    | (loc) | l/defl | L/d | PLATES | GRIP          |
|---------------|----------------------|-------|------------|----------|-------|-------|--------|-----|--------|---------------|
| TCLL 16.0     | Plates Increase      | 1.25  | TC 0.69    | Vert(LL) | 0.32  | 9     | >739   | 360 | MT20   | 244/190       |
| TCDL 7.0      | Lumber Increase      | 1.25  | BC 0.89    | Vert(TL) | -0.42 | 9-10  | >557   | 240 |        |               |
| BCLL 0.0      | Rep Stress Incr      | YES   | WB 0.27    | Horz(TL) | 0.23  | 8     | n/a    | n/a |        |               |
| BCDL 10.0     | Code FRC2007/TPI2002 |       | (Matrix-M) |          |       |       |        |     |        |               |
|               |                      |       |            |          |       |       |        |     |        | Weight: 88 lb |

#### LUMBER

TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP No.2  
WEBS 2 X 4 SYP No.3 \*Except\*  
W1: 2 X 6 SYP No.2

#### BRACING

TOP CHORD Structural wood sheathing directly applied or 3-3-3 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 5-4-3 oc bracing.

**REACTIONS** (lb/size) 10=718/0-1-8 (input: 0-3-8), 8=718/0-1-8 (input: 0-3-8)  
Max Horz 10=87(LC 6)  
Max Uplift 10=355(LC 6), 8=355(LC 7)

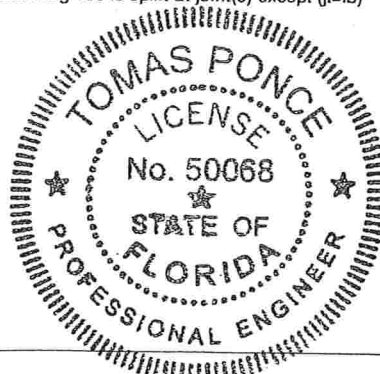
**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-12=-530/499, 2-12=-1835/1232, 2-3=-1779/1163, 3-4=-1527/845, 4-5=-1527/845,  
5-6=-1779/1163, 6-15=-1835/1232, 7-15=-530/499  
BOT CHORD 11-13=-677/734, 10-13=-1367/1820, 9-10=-984/1619, 8-9=-984/1619, 8-16=-1367/1820,  
14-16=-678/735  
WEBS 4-9=-313/835, 5-9=-266/398, 6-8=-527/863, 3-9=-266/383, 2-10=-527/863,  
1-11=-325/321, 12-13=-664/0, 11-12=-1324/1254, 1-13=-1485/1567, 7-14=-326/321,  
15-16=-663/0, 14-15=-1325/1255, 7-16=-1486/1567

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 140mph (3-second gust); TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* 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 100 lb uplift at joint(s) except (jt=lb) 10=355, 8=355.

LOAD CASE(S) Standard



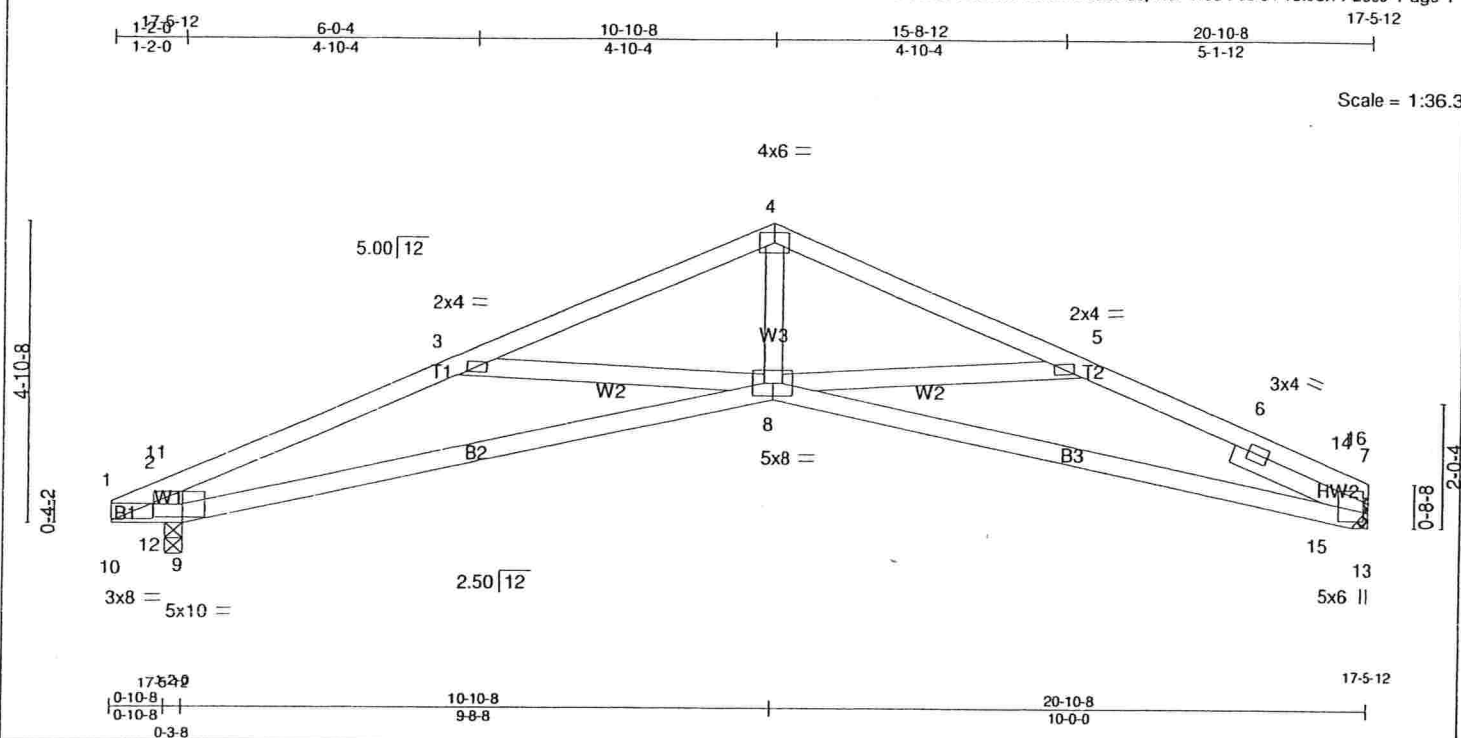
*[Signature]*

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|         |       |            |     |     |                          |
|---------|-------|------------|-----|-----|--------------------------|
| Job     | Truss | Truss Type | Qty | Ply | BAYBURY_140_FLORIDA      |
| BAYBURY | S1AX  | SPECIAL    | 2   | 1   | Job Reference (optional) |

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|                                                                          |                      |            |                              |               |               |
|--------------------------------------------------------------------------|----------------------|------------|------------------------------|---------------|---------------|
| Plate Offsets (X,Y): [1:0-8-1,0-0-5], [7:0-2-10,0-1-2], [9:0-5-12,0-2-8] |                      |            |                              |               |               |
| <b>LOADING</b> (psf)                                                     | <b>SPACING</b>       | <b>CSI</b> | <b>DEFL</b>                  | <b>PLATES</b> | <b>GRIP</b>   |
| TCLL 16.0                                                                | Plates Increase 1.25 | TC 0.68    | in (loc) l/defl L/d          | MT20          | 244/190       |
| TCDL 7.0                                                                 | Lumber Increase 1.25 | BC 0.88    | Vert(LL) 0.25 8-15 >938 360  |               |               |
| BCLL 0.0                                                                 | Rep Stress Incr YES  | WB 0.28    | Vert(TL) -0.39 8-15 >611 240 |               |               |
| BCDL 10.0                                                                | Code FRC2007/TP12002 | (Matrix-M) | Horz(TL) 0.18 7 n/a n/a      |               |               |
|                                                                          |                      |            |                              |               | Weight: 88 lb |

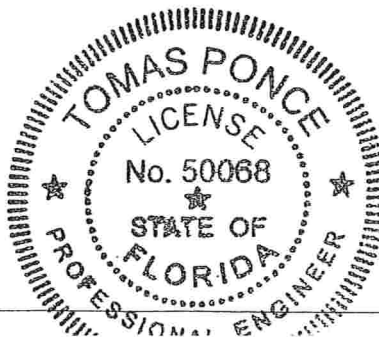
|                                   |                                                                            |
|-----------------------------------|----------------------------------------------------------------------------|
| <b>LUMBER</b>                     | <b>BRACING</b>                                                             |
| TOP CHORD 2 X 4 SYP No.2          | TOP CHORD Structural wood sheathing directly applied or 3-3-12 oc purlins. |
| BOT CHORD 2 X 4 SYP No.2          | BOT CHORD Rigid ceiling directly applied or 5-3-7 oc bracing.              |
| WEBS 2 X 4 SYP No.3 *Except*      |                                                                            |
| W1: 2 X 6 SYP No.2                |                                                                            |
| SLIDER Right 2 X 4 SYP No.3 2-6-0 |                                                                            |

**REACTIONS** (lb/size) 9=715/0-1-8 (input: 0-3-8), 13=663/Mechanical  
Max Horz 9=99(LC 6)  
Max Uplift 9=-351(LC 6), 13=-282(LC 7)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-11=-605/585, 2-11=-1860/1262, 2-3=-1802/1190, 3-4=-1539/869, 4-5=-1541/870,  
5-6=-1761/1157, 6-14=-813/111, 7-14=-859/86  
BOT CHORD 10-12=-795/836, 9-12=-1409/1855, 8-9=-1033/1643, 8-15=-992/1634, 13-15=-448/499  
WEBS 2-9=-553/897, 3-8=-274/385, 4-8=-337/868, 5-8=-273/362, 1-10=-367/368, 11-12=-649/0,  
10-11=-1488/1399, 1-12=-1657/1761, 6-16=-1209/1056, 7-13=-490/130, 7-16=0/599,  
13-16=-391/416

- NOTES**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-05; 140mph (3-second gust); TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 4) \* 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.
  - 5) Refer to girder(s) for truss to truss connections.
  - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=351, 13=282.

**LOAD CASE(S)** Standard



*[Signature]*

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|                                 |       |            |                                                                            |     |                          |
|---------------------------------|-------|------------|----------------------------------------------------------------------------|-----|--------------------------|
| Job                             | Truss | Truss Type | Qty                                                                        | Ply | BAYBURY_140_FLORIDA      |
| BAYBURY                         | S1BX  | SPECIAL    | 2                                                                          | 1   | Job Reference (optional) |
| Maronda Homes Inc., Sanford, FL |       |            | 7.110 s Dec 15 2008 MITek Industries, Inc. Wed Feb 04 15:06:13 2009 Page 1 |     |                          |



Scale = 1:36.5

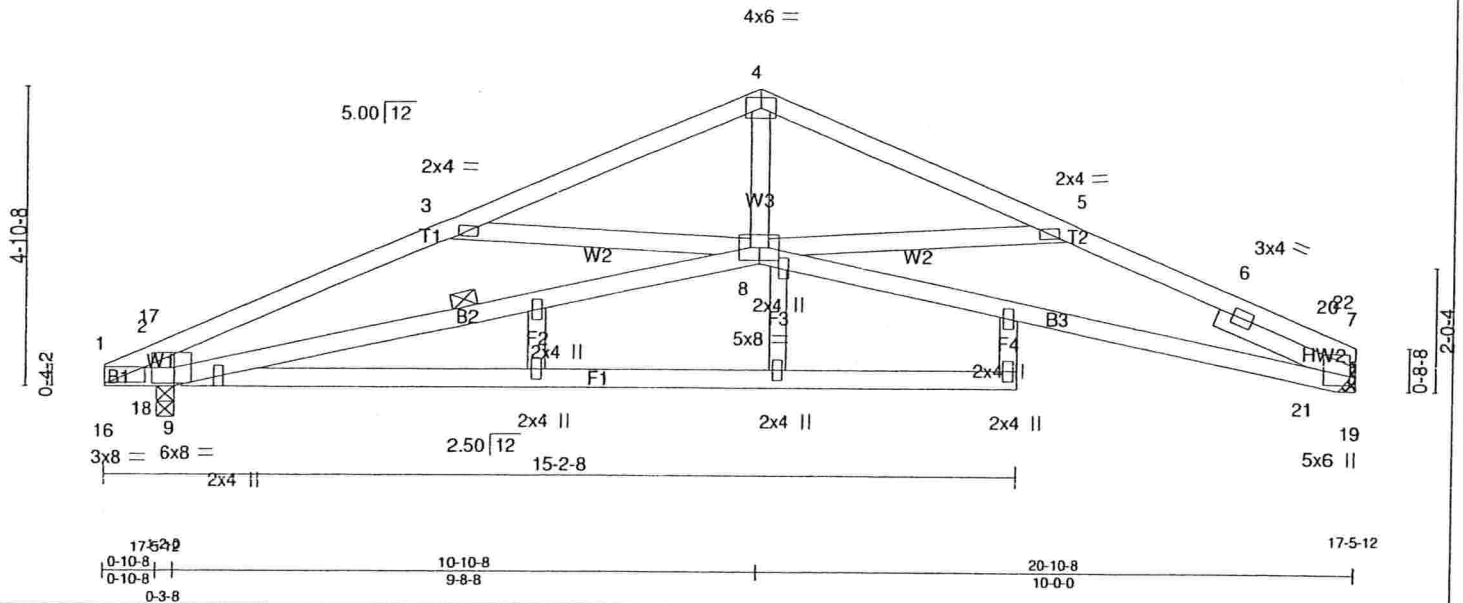


Plate Offsets (X,Y): [1:0-8-1,0-0-5], [7:0-2-10,0-1-2], [8:0-2-0,0-0-0], [9:0-4-8,0-3-0]

| LOADING (psf) | SPACING              | CSI        | DEFL           | in (loc) | I/defl | L/d | PLATES | GRIP           |
|---------------|----------------------|------------|----------------|----------|--------|-----|--------|----------------|
| TCLL 16.0     | Plates Increase 1.25 | TC 0.68    | Vert(LL) 0.25  | 8-21     | >938   | 360 | MT20   | 244/190        |
| TCDL 7.0      | Lumber Increase 1.25 | BC 0.88    | Vert(TL) -0.39 | 8-21     | >611   | 240 |        |                |
| BCLL 0.0      | Rep Stress Incr YES  | WB 0.28    | Horz(TL) 0.18  | 7        | n/a    | n/a |        |                |
| BCDL 10.0     | Code FRC2007/TP12002 | (Matrix-M) |                |          |        |     |        |                |
|               |                      |            |                |          |        |     |        | Weight: 114 lb |

#### LUMBER

TOP CHORD 2 X 4 SYP No.2  
 BOT CHORD 2 X 4 SYP No.2  
 WEBS 2 X 4 SYP No.3 \*Except\*  
 W1: 2 X 6 SYP No.2  
 SLIDER Right 2 X 4 SYP No.3 2-6-0

#### BRACING

TOP CHORD Structural wood sheathing directly applied or 3-3-12 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 5-3-7 oc bracing. Except:  
 6-0-0 oc bracing: 8-9

REACTIONS (lb/size) 9=715/0-1-8 (input: 0-3-8), 19=663/Mechanical  
 Max Horz 9=99(LC 6)  
 Max Uplift 9=-351(LC 6), 19=-282(LC 7)

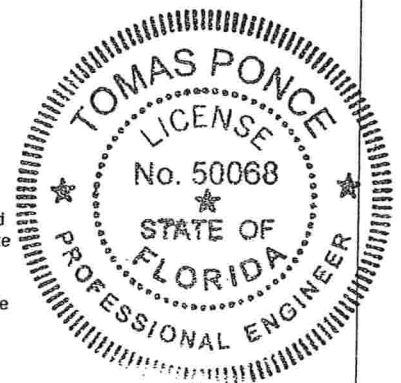
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-17=-605/585, 2-17=-1860/1262, 2-3=-1802/1190, 3-4=-1539/869, 4-5=-1541/870,  
 5-6=-1761/1157, 6-20=-813/111, 7-20=-859/86  
 BOT CHORD 16-18=-795/836, 9-18=-1409/1855, 8-9=-1033/1643, 8-21=-992/1634, 19-21=-448/499  
 WEBS 2-9=-553/897, 3-8=-274/385, 4-8=-337/868, 5-8=-273/362, 1-16=-367/368, 17-18=-649/0,  
 16-17=-1488/1399, 1-18=-1657/1761, 6-22=-1209/1056, 7-19=-490/130, 7-22=0/599,  
 19-22=-391/416

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 140mph (3-second gust); TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; cantilever left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=351, 19=282.

LOAD CASE(S) Standard



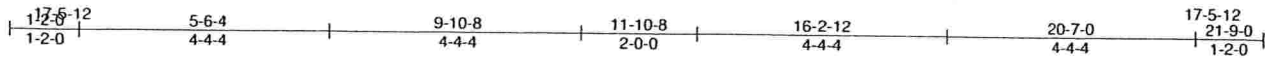
*[Signature]*

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|         |       |            |     |     |                          |
|---------|-------|------------|-----|-----|--------------------------|
| Job     | Truss | Truss Type | Qty | Ply | BAYBURY_140_FLORIDA      |
| BAYBURY | HS1X  | SPECIAL    | 1   | 1   | Job Reference (optional) |

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Scale = 1:38.1

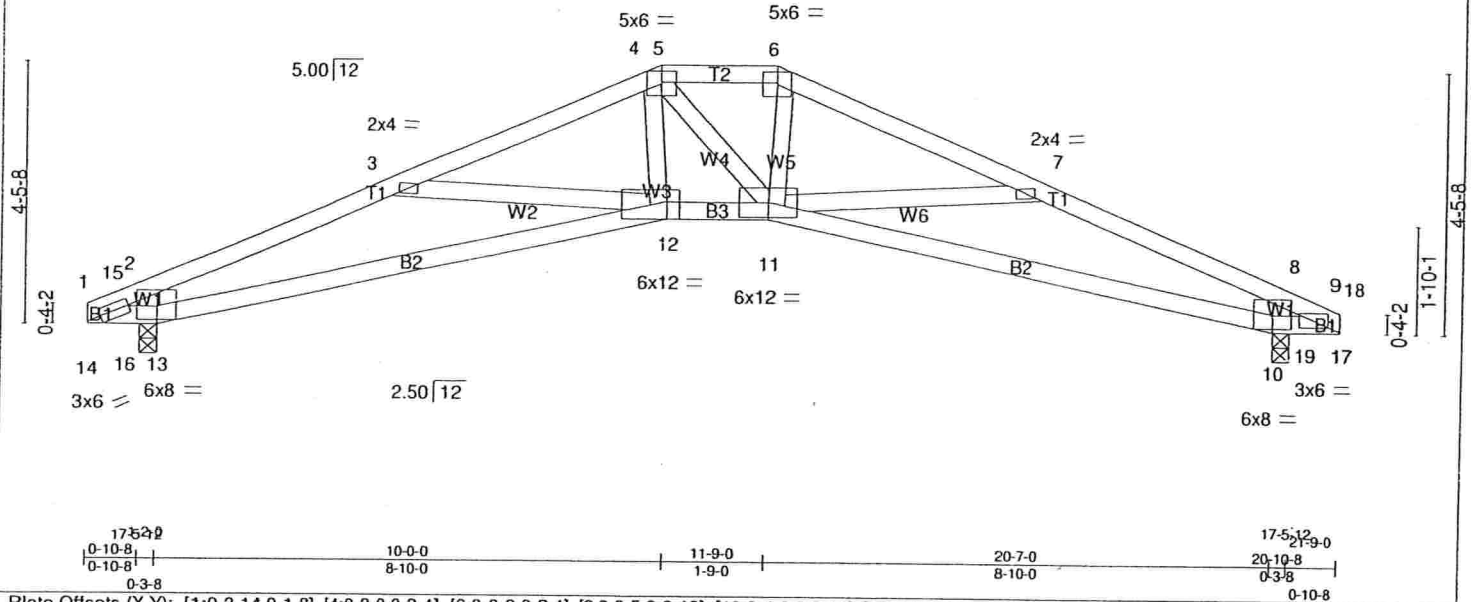


Plate Offsets (X,Y): [1:0-2-14,0-1-8], [4:0-3-0,0-2-4], [6:0-3-0,0-2-4], [9:0-2-5,0-0-13], [10:0-4-0,0-2-11], [13:0-4-0,0-2-11]

| LOADING (psf) | SPACING              | 2-0-0 | CSI        | DEFL     | in (loc)    | l/defl | L/d | PLATES        | GRIP    |
|---------------|----------------------|-------|------------|----------|-------------|--------|-----|---------------|---------|
| TCLL 16.0     | Plates Increase      | 1.25  | TC 0.70    | Vert(LL) | 0.32 11-12  | >735   | 360 | MT20          | 244/190 |
| TCDL 7.0      | Lumber Increase      | 1.25  | BC 0.85    | Vert(TL) | -0.40 12-13 | >577   | 240 |               |         |
| BCLL 0.0      | Rep Stress Incr      | YES   | WB 0.21    | Horz(TL) | 0.22 10     | n/a    | n/a |               |         |
| BCDL 10.0     | Code FRC2007/TPI2002 |       | (Matrix-M) |          |             |        |     |               |         |
|               |                      |       |            |          |             |        |     | Weight: 92 lb |         |

#### LUMBER

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

#### BRACING

TOP CHORD Structural wood sheathing directly applied or 3-4-11 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 5-7-5 oc bracing.

**REACTIONS** (lb/size) 13=718/0-1-8 (input: 0-3-8), 10=717/0-1-8 (input: 0-3-8)  
Max Horz 13=79(LC 6)  
Max Uplift 13=348(LC 6), 10=347(LC 7)

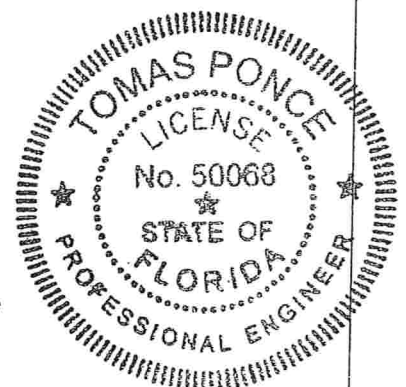
**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-15=-493/444, 2-15=-1701/1079, 2-3=-1750/1166, 3-4=-1563/915, 4-5=-1370/868,  
5-6=-1461/921, 6-7=-1576/922, 7-8=-1752/1170, 8-18=-1702/1082, 9-18=-506/458  
BOT CHORD 14-16=-621/692, 13-16=-1214/1726, 12-13=-987/1583, 11-12=-683/1476, 10-11=-991/1585,  
10-19=-1221/1732, 17-19=-641/710  
WEBS 2-13=-610/835, 3-12=-166/311, 7-11=-156/325, 8-10=-626/846, 6-11=-163/447,  
4-12=-144/415, 1-14=-307/299, 15-16=-495/0, 14-15=-1224/1163, 1-16=-1372/1439,  
9-17=-314/307, 18-19=-482/0, 17-18=-1251/1188, 9-19=-1402/1471

#### NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-05; 140mph (3-second gust); TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; 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 100 lb uplift at joint(s) except (jt=lb) 13=348, 10=347.

**LOAD CASE(S)** Standard



*[Signature]*

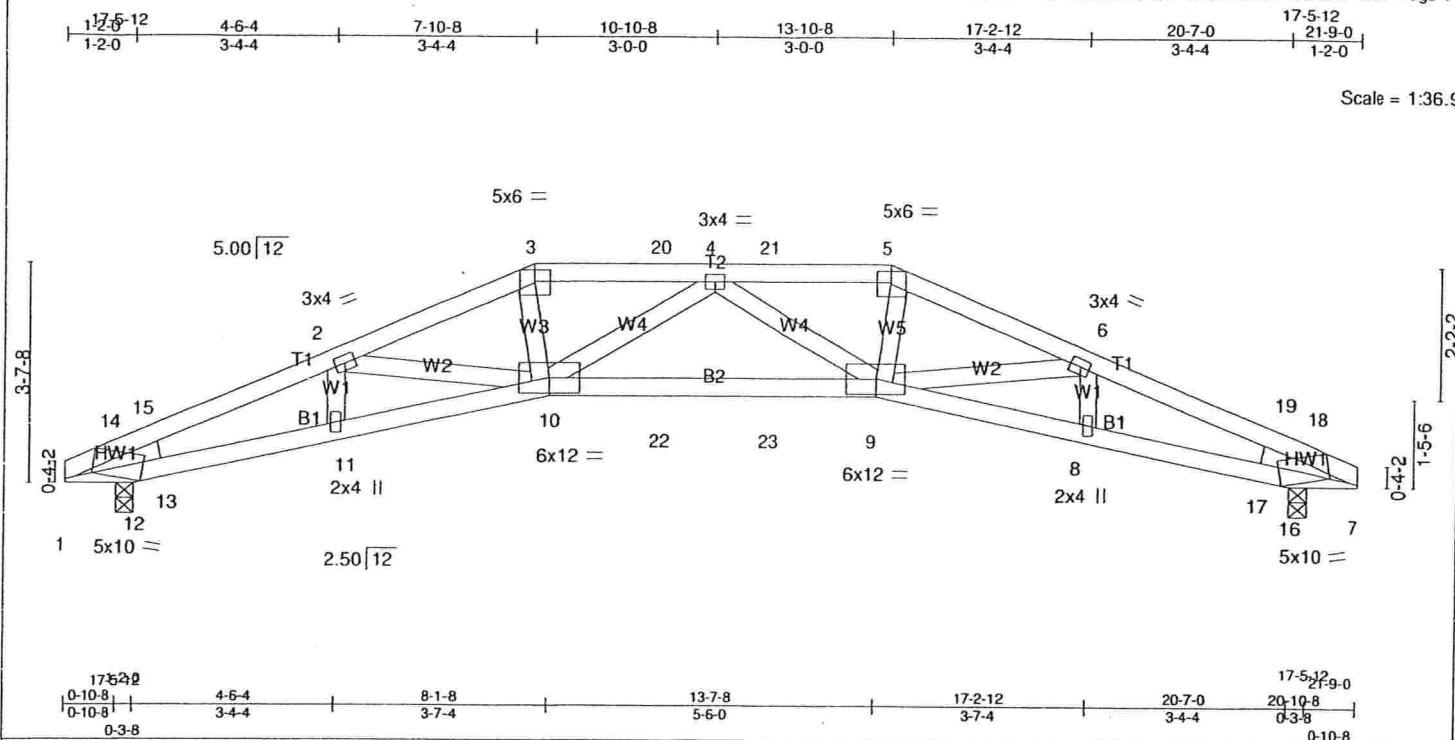
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|                       |                         |                              |                 |                 |                                                        |
|-----------------------|-------------------------|------------------------------|-----------------|-----------------|--------------------------------------------------------|
| Job<br><b>BAYBURY</b> | Truss<br><b>HSGRD1X</b> | Truss Type<br><b>SPECIAL</b> | Qty<br><b>1</b> | Ply<br><b>2</b> | <b>BAYBURY_140_FLORIDA</b><br>Job Reference (optional) |
|-----------------------|-------------------------|------------------------------|-----------------|-----------------|--------------------------------------------------------|

Maronda Homes Inc., Sanford, FL

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Scale = 1:36.9



|                      |                      |            |                              |               |                |
|----------------------|----------------------|------------|------------------------------|---------------|----------------|
| <b>LOADING</b> (psf) | <b>SPACING</b>       | <b>CSI</b> | <b>DEFL</b>                  | <b>PLATES</b> | <b>GRIP</b>    |
| TCLL 16.0            | 2-0-0                | TC 0.57    | in (loc) l/defl L/d          | MT20          | 244/190        |
| TCDL 7.0             | Plates Increase 1.25 | BC 0.83    | Vert(LL) 0.27 9-10 >982 360  |               |                |
| BCLL 0.0             | Lumber Increase 1.25 | WB 0.20    | Vert(TL) -0.36 9-10 >725 240 |               |                |
| BCDL 10.0            | Rep Stress Incr NO   | (Matrix-M) | Horz(TL) 0.20 7 n/a n/a      |               |                |
|                      | Code FRC2007/TPI2002 |            |                              |               |                |
|                      |                      |            |                              |               | Weight: 197 lb |

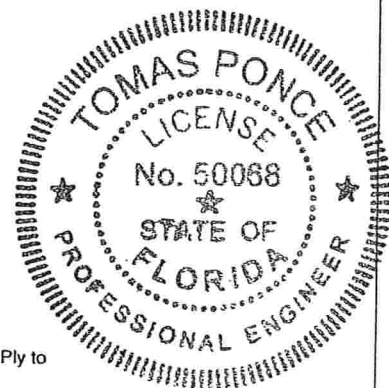
|                                                         |                                                                           |
|---------------------------------------------------------|---------------------------------------------------------------------------|
| <b>LUMBER</b>                                           | <b>BRACING</b>                                                            |
| TOP CHORD 2 X 4 SYP No.2 *Except*<br>T2: 2 X 4 SYP No.3 | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. |
| BOT CHORD 2 X 4 SYP No.2 *Except*<br>B2: 2 X 4 SYP No.3 | BOT CHORD Rigid ceiling directly applied or 7-8-0 oc bracing.             |
| WEBS 2 X 4 SYP No.3                                     |                                                                           |
| WEDGE                                                   |                                                                           |
| Left: 2 X 4 SYP No.3, Right: 2 X 4 SYP No.3             |                                                                           |

**REACTIONS** (lb/size) 12=1301/0-1-8 (input: 0-3-8), 16=1301/0-1-8 (input: 0-3-8)  
Max Horz 12=-55(LC 6)  
Max Uplift 12=-809(LC 5), 16=-809(LC 6)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 14-15=-1609/1042, 2-15=-3227/2138, 2-3=-4201/2835, 3-20=-4052/2780, 4-20=-4052/2779,  
4-21=-4052/2736, 5-21=-4052/2736, 5-6=-4201/2793, 6-19=-3227/2108,  
18-19=-1609/1024  
BOT CHORD 12-13=-887/1264, 11-13=-1926/2870, 10-11=-1981/2953, 10-22=-2716/4149,  
22-23=-2716/4149, 9-23=-2716/4149, 8-9=-1898/2953, 8-17=-1844/2870, 16-17=-823/1264  
WEBS 2-11=-338/295, 2-10=-746/1106, 6-9=-761/1106, 6-8=-338/291, 3-10=-829/1250,  
5-9=-830/1250, 12-14=-885/576, 13-15=-382/296, 12-15=-1578/1032, 13-14=-1227/1889,  
16-18=-885/566, 17-19=-382/290, 16-19=-1578/1022, 17-18=-1206/1889

#### NOTES

- 2-ply truss to be connected together with 10d (0.120"x3") nails as follows:  
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.  
Bottom chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.  
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 140mph (3-second gust); TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed; 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.
- Bearing at joint(s) 12, 16 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 100 lb uplift at joint(s) except (jt=lb)  
12=809, 16=809.



*[Signature]*

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|                       |                         |                              |                 |                 |                                                        |
|-----------------------|-------------------------|------------------------------|-----------------|-----------------|--------------------------------------------------------|
| Job<br><b>BAYBURY</b> | Truss<br><b>HSGRD1X</b> | Truss Type<br><b>SPECIAL</b> | Qty<br><b>1</b> | Ply<br><b>2</b> | <b>BAYBURY_140_FLORIDA</b><br>Job Reference (optional) |
|-----------------------|-------------------------|------------------------------|-----------------|-----------------|--------------------------------------------------------|

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#### NOTES

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 71 lb down and 58 lb up at 7-10-8, 71 lb down and 58 lb up at 9-11-4, and 71 lb down and 58 lb up at 11-9-12, and 71 lb down and 58 lb up at 13-10-8 on top chord, and 409 lb down and 374 lb up at 8-1-8, 91 lb down and 83 lb up at 9-11-4, and 91 lb down and 83 lb up at 11-9-12, and 409 lb down and 374 lb up at 13-7-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

#### LOAD CASE(S) Standard

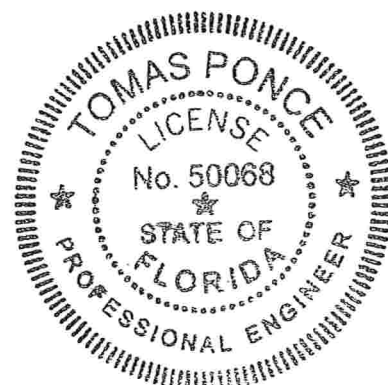
1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 3-14=-46, 3-5=-46, 5-18=-46, 1-10=-20, 9-10=-20, 7-9=-20

Concentrated Loads (lb)

Vert: 3=-65(F) 9=-409(F) 10=-409(F) 5=-65(F) 20=-65(F) 21=-65(F) 22=-91(F) 23=-91(F)



A stylized handwritten signature in black ink, likely belonging to Tomas Ponce, the professional engineer.

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|                                 |                        |                                 |                          |                 |                            |
|---------------------------------|------------------------|---------------------------------|--------------------------|-----------------|----------------------------|
| Job<br><b>BAYBURY</b>           | Truss<br><b>JGRD1X</b> | Truss Type<br><b>MONO TRUSS</b> | Qty<br><b>3</b>          | Ply<br><b>1</b> | <b>BAYBURY_140_FLORIDA</b> |
| Maronda Homes Inc., Sanford, FL |                        |                                 | Job Reference (optional) |                 |                            |

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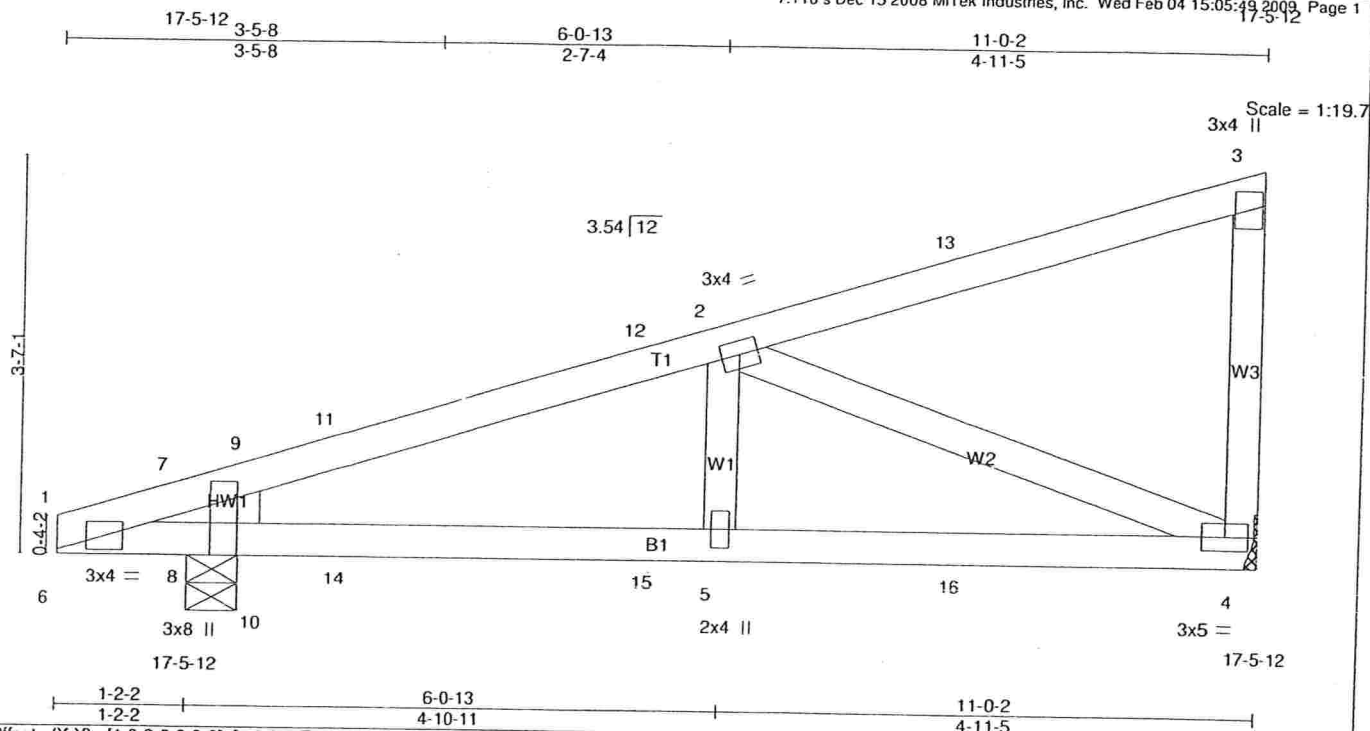


Plate Offsets (X,Y): [1:0-3-2,0-0-0], [1:0-0-8,Edge]

| LOADING (psf) | SPACING              | 2-0-0 | CSI        | DEFL     | in    | (loc) | I/defl | L/d | PLATES        | GRIP    |
|---------------|----------------------|-------|------------|----------|-------|-------|--------|-----|---------------|---------|
| TCLL 16.0     | Plates Increase      | 1.25  | TC 0.46    | Vert(LL) | -0.03 | 4-5   | >999   | 360 | MT20          | 244/190 |
| TCDL 7.0      | Lumber Increase      | 1.25  | BC 0.29    | Vert(TL) | -0.07 | 4-5   | >999   | 240 |               |         |
| BCLL 0.0      | Rep Stress Incr      | NO    | WB 0.29    | Horz(TL) | 0.01  | 4     | n/a    | n/a |               |         |
| BCDL 10.0     | Code FRC2007/TPI2002 |       | (Matrix-M) |          |       |       |        |     |               |         |
|               |                      |       |            |          |       |       |        |     | Weight: 49 lb |         |

#### LUMBER

TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP No.2  
WEBS 2 X 4 SYP No.3  
WEDGE  
Left: 2 X 4 SYP No.3

#### BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 8-10-7 oc bracing.

#### REACTIONS

(lb/size) 4=460/Mechanical, 8=457/0-1-8 (input: 0-5-11)  
Max Horz 8=166(LC 3)  
Max Uplift 4=-331(LC 3), 8=-262(LC 3)

#### FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 9-11=-691/405, 11-12=-684/410, 2-12=-640/402  
BOT CHORD 10-14=-500/638, 14-15=-500/638, 5-15=-500/638, 5-16=-500/638, 4-16=-500/638  
WEBS 2-4=-612/487, 8-9=-281/141

#### NOTES

- 1) Wind: ASCE 7-05; 140mph (3-second gust); TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) \* 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.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=331, 8=262.
- 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 23 lb up at 2-7-6, 23 lb up at 2-7-6, 8 lb down and 37 lb up at 5-5-5, 8 lb down and 37 lb up at 5-5-5, and 52 lb down and 82 lb up at 8-3-4, and 52 lb down and 82 lb up at 8-3-4 on top chord, and 5 lb up at 2-7-6, 5 lb up at 2-7-6, 11 lb down and 15 lb up at 5-5-5, 11 lb down and 15 lb up at 5-5-5, and 46 lb down and 14 lb up at 8-3-4, and 46 lb down and 14 lb up at 8-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

#### LOAD CASE(S) Standard

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

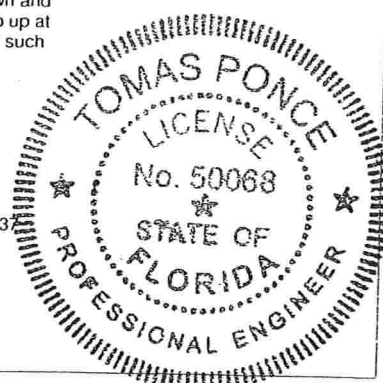
##### Uniform Loads (plf)

Vert: 1-3=-46, 4-6=-20

##### Concentrated Loads (lb)

Vert: 11=12(F=6, B=6) 12=-16(F=-8, B=-8) 13=-105(F=-52, B=-52) 14=5(F=3, B=3) 15=-22(F=-11, B=-11) 16=-73(F=-37, B=-37)

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|                       |                    |                                 |                  |                 |                            |
|-----------------------|--------------------|---------------------------------|------------------|-----------------|----------------------------|
| Job<br><b>BAYBURY</b> | Truss<br><b>JX</b> | Truss Type<br><b>MONO TRUSS</b> | Qty<br><b>16</b> | Ply<br><b>1</b> | <b>BAYBURY_140_FLORIDA</b> |
|-----------------------|--------------------|---------------------------------|------------------|-----------------|----------------------------|

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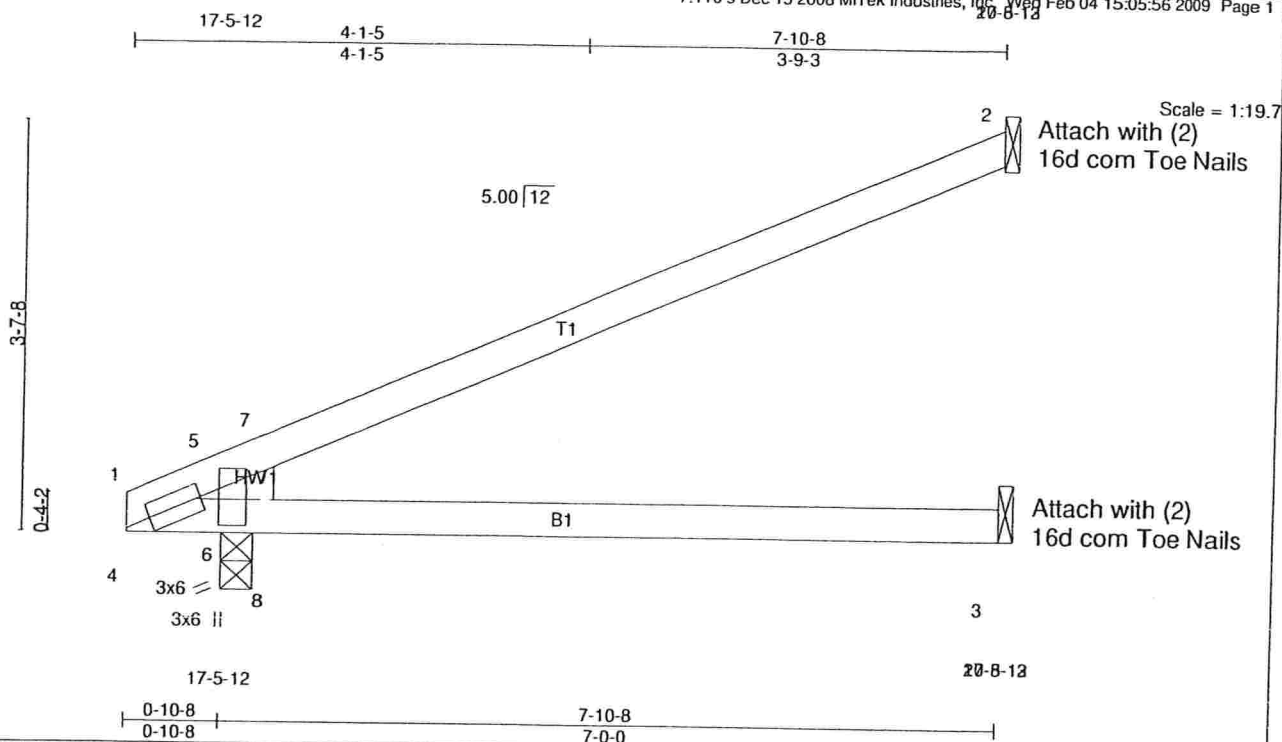


Plate Offsets (X,Y): [1:0-2-14,0-1-8], [1:0-0-7,0-10-3]

|                      |                      |            |                                 |               |             |
|----------------------|----------------------|------------|---------------------------------|---------------|-------------|
| <b>LOADING</b> (psf) | <b>SPACING</b> 2-0-0 | <b>CSI</b> | <b>DEFL</b> in (loc) l/defl L/d | <b>PLATES</b> | <b>GRIP</b> |
| TCLL 16.0            | Plates Increase 1.25 | TC 0.41    | Vert(LL) 0.18 3-8 >515 360      | MT20          | 244/190     |
| TCDL 7.0             | Lumber Increase 1.25 | BC 0.40    | Vert(TL) -0.24 3-8 >390 240     |               |             |
| BCCL 0.0             | Rep Stress Incr YES  | WB 0.00    | Horz(TL) -0.05 2 n/a n/a        |               |             |
| BCDL 10.0            | Code FRC2007/TPI2002 | (Matrix-M) |                                 |               |             |
|                      |                      |            |                                 | Weight: 26 lb |             |

#### LUMBER

TOP CHORD 2 X 4 SYP No.2

BOT CHORD 2 X 4 SYP No.2

WEDGE

Left: 2 X 4 SYP No.3

#### BRACING

TOP CHORD

BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins.  
Rigid ceiling directly applied or 6-0-0 oc bracing.

#### REACTIONS

(lb/size) 2=143/Mechanical, 3=82/Mechanical, 6=290/0-1-8 (input: 0-3-8)

Max Horz 6=169(LC 6)

Max Uplift 2=-154(LC 6), 3=-2(LC 6), 6=-107(LC 6)

Max Grav 2=143(LC 1), 3=125(LC 2), 6=290(LC 1)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

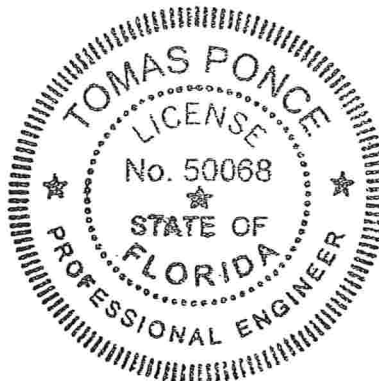
BOT CHORD 6-8=-264/79

WEBS 7-8=-175/483

#### NOTES

- 1) Wind: ASCE 7-05; 140mph (3-second gust); TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) \* 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.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3 except (jl=lb) 2=154, 6=107.

LOAD CASE(S) Standard



*[Signature]*

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|                                 |                     |                                 |                 |                 |                            |
|---------------------------------|---------------------|---------------------------------|-----------------|-----------------|----------------------------|
| Job<br><b>BAYBURY</b>           | Truss<br><b>JAX</b> | Truss Type<br><b>MONO TRUSS</b> | Qty<br><b>2</b> | Ply<br><b>1</b> | <b>BAYBURY_140_FLORIDA</b> |
| Maronda Homes Inc., Sanford, FL |                     |                                 |                 |                 | Job Reference (optional)   |

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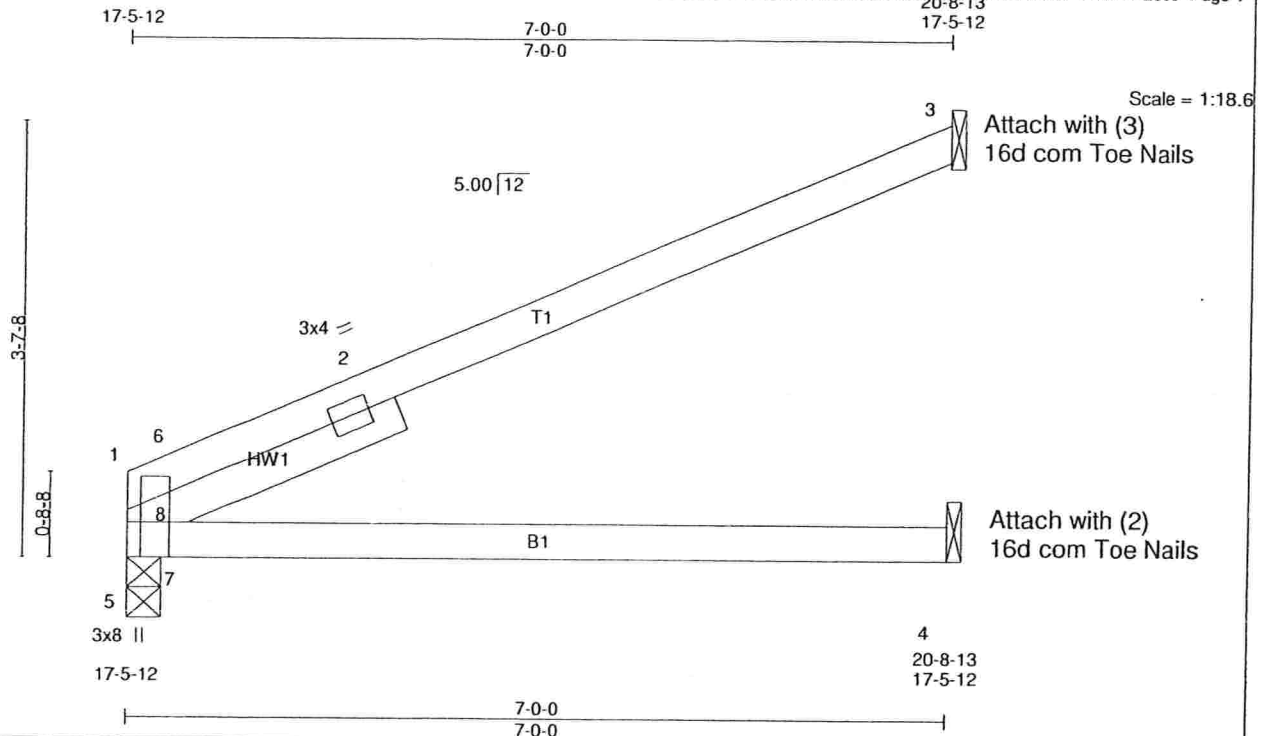


Plate Offsets (X,Y): [1:0-3-8,Edge]

| LOADING (psf) | SPACING              | 2-0-0 | CSI        | DEFL     | in    | (loc) | l/defl | L/d | PLATES | GRIP          |
|---------------|----------------------|-------|------------|----------|-------|-------|--------|-----|--------|---------------|
| TCLL 16.0     | Plates Increase      | 1.25  | TC 0.42    | Vert(LL) | 0.19  | 4-7   | >440   | 360 | MT20   | 244/190       |
| TCDL 7.0      | Lumber Increase      | 1.25  | BC 0.41    | Vert(TL) | -0.23 | 4-7   | >360   | 240 |        |               |
| BCLL 0.0      | Rep Stress Incr      | YES   | WB 0.00    | Horz(TL) | -0.05 | 3     | n/a    | n/a |        |               |
| BCDL 10.0     | Code FRC2007/TPI2002 |       | (Matrix-M) |          |       |       |        |     |        |               |
|               |                      |       |            |          |       |       |        |     |        | Weight: 26 lb |

#### LUMBER

TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP No.2  
SLIDER Left 2 X 4 SYP No.2 2-6-0

#### BRACING

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

**REACTIONS** (lb/size) 5=229/0-1-8 (input: 0-3-8), 3=146/Mechanical, 4=83/Mechanical  
Max Horz 5=150(LC 6)  
Max Uplift 5=-76(LC 6), 3=-153(LC 6), 4=-3(LC 6)  
Max Grav 5=229(LC 1), 3=146(LC 1), 4=123(LC 2)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-6=-403/0, 2-6=-431/0

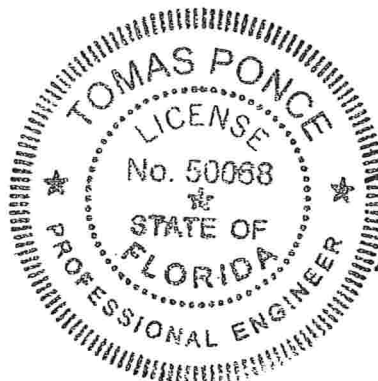
BOT CHORD 5-7=-412/156

WEBS 1-5=-272/0, 7-8=-72/352, 6-8=-279/422, 1-8=0/336, 2-8=0/430

#### NOTES

- 1) Wind: ASCE 7-05; 140mph (3-second gust); TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) \* 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.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 4 except (jt=lb) 3=153.

**LOAD CASE(S)** Standard



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|                                 |       |            |     |     |                             |
|---------------------------------|-------|------------|-----|-----|-----------------------------|
| Job                             | Truss | Truss Type | Qty | Ply | BAYBURY_140_FLORIDA_3W07501 |
| BAYBURY                         | JBX   | MONO TRUSS | 3   | 1   | Job Reference (optional)    |
| Maronda Homes Inc., Sanford, FL |       |            |     |     |                             |

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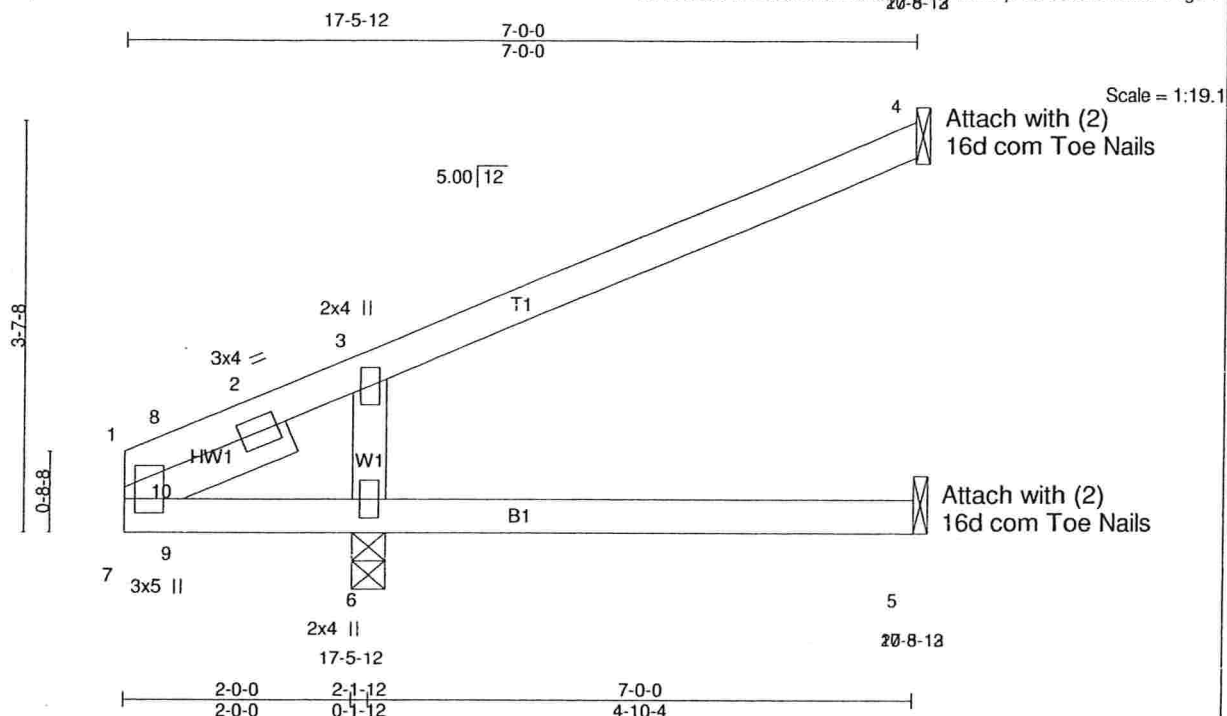


Plate Offsets (X,Y): [1:0-1-8,0-1-2]

| LOADING (psf) | SPACING              | CSI        | DEFL     | in (loc) | I/defl | L/d  | PLATES        | GRIP    |
|---------------|----------------------|------------|----------|----------|--------|------|---------------|---------|
| TCLL 16.0     | Plates Increase 1.25 | TC 0.27    | Vert(LL) | 0.04     | 5-6    | >999 | MT20          | 244/190 |
| TCDL 7.0      | Lumber Increase 1.25 | BC 0.24    | Vert(TL) | -0.04    | 5-6    | >999 |               |         |
| BCLL 0.0      | Rep Stress Incr YES  | WB 0.13    | Horz(TL) | -0.07    | 4      | n/a  |               |         |
| BCDL 10.0     | Code FRC2007/TP12002 | (Matrix-M) |          |          |        |      |               |         |
|               |                      |            |          |          |        |      | Weight: 26 lb |         |

#### LUMBER

TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP No.2  
WEBS 2 X 4 SYP No.3  
SLIDER Left 2 X 4 SYP No.3 1-6-12

#### BRACING

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

#### REACTIONS

(lb/size) 4=88/Mechanical, 5=38/Mechanical, 6=331/0-1-8 (input: 0-3-8)  
Max Horz 6=214(LC 6)  
Max Uplift 4=169(LC 6), 5=-6(LC 5), 6=-304(LC 6)  
Max Grav 4=88(LC 1), 5=77(LC 2), 6=331(LC 1)

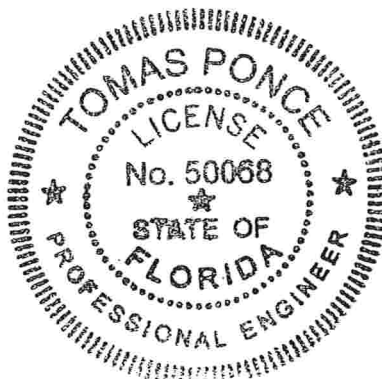
#### FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=-287/40  
WEBS 3-6=-236/518, 2-10=-453/0

#### NOTES

- 1) Wind: ASCE 7-05; 140mph (3-second gust); TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; partially; MWFRS (low-rise) and C-C Interior(1) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) \* 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.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 4=169, 6=304.

LOAD CASE(S) Standard



*[Signature]*

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|                                 |                     |                           |                 |                 |                                                                                                    |
|---------------------------------|---------------------|---------------------------|-----------------|-----------------|----------------------------------------------------------------------------------------------------|
| Job<br><b>BAYBURY</b>           | Truss<br><b>J1X</b> | Truss Type<br><b>JACK</b> | Qty<br><b>6</b> | Ply<br><b>1</b> | <b>BAYBURY_140_FLORIDA</b>                                                                         |
| Maronda Homes Inc., Sanford, FL |                     |                           |                 |                 | Job Reference (optional)<br>7.110 s Dec 15 2008 MiTek Industries, Inc. Feb 04 15:05:43 2009 Page 1 |

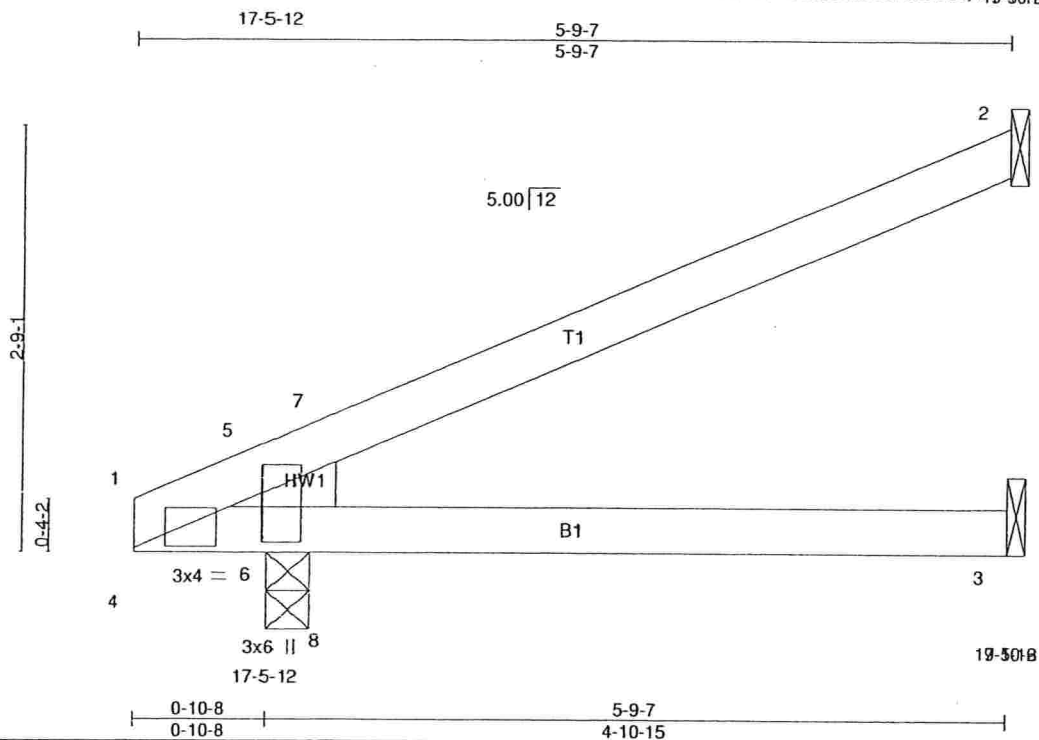


Plate Offsets (X,Y): [1:0-2-9,0-0-1], [1:0-0-7,0-10-3]

| LOADING (psf) | SPACING              | 2-0-0 | CSI        | DEFL     | in    | (loc) | l/defl | L/d | PLATES        | GRIP    |
|---------------|----------------------|-------|------------|----------|-------|-------|--------|-----|---------------|---------|
| TCLL 16.0     | Plates Increase      | 1.25  | TC 0.20    | Vert(LL) | 0.05  | 3-8   | >999   | 360 | MT20          | 244/190 |
| TCDL 7.0      | Lumber Increase      | 1.25  | BC 0.21    | Vert(TL) | -0.05 | 3-8   | >999   | 240 |               |         |
| BCLL 0.0      | Rep Stress Incr      | YES   | WB 0.00    | Horz(TL) | -0.02 | 2     | n/a    | n/a |               |         |
| BCDL 10.0     | Code FRC2007/TPI2002 |       | (Matrix-M) |          |       |       |        |     |               |         |
|               |                      |       |            |          |       |       |        |     | Weight: 19 lb |         |

#### LUMBER

TOP CHORD 2 X 4 SYP No.2

BOT CHORD 2 X 4 SYP No.2

WEDGE

Left: 2 X 4 SYP No.3

REACTIONS (lb/size) 2=98/Mechanical, 3=57/Mechanical, 6=223/0-1-8 (input: 0-3-8)

Max Horz 6=124(LC 6)

Max Uplift 2=-107(LC 6), 3=-4(LC 6), 6=-82(LC 6)

Max Grav 2=98(LC 1), 3=86(LC 2), 6=223(LC 1)

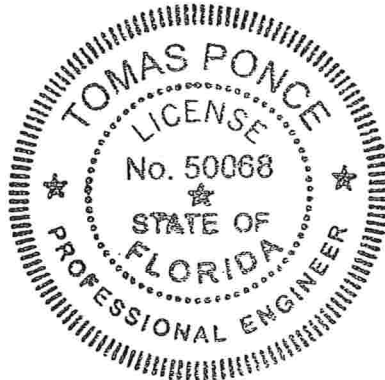
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

WEBS 7-8=-89/251

#### NOTES

- 1) Wind: ASCE 7-05; 140mph (3-second gust); TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) \* 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.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 6 except (jt=lb) 2=107.

LOAD CASE(S) Standard



*[Signature]*

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|                       |                     |                           |                 |                 |                            |
|-----------------------|---------------------|---------------------------|-----------------|-----------------|----------------------------|
| Job<br><b>BAYBURY</b> | Truss<br><b>J2X</b> | Truss Type<br><b>JACK</b> | Qty<br><b>6</b> | Ply<br><b>1</b> | <b>BAYBURY_140_FLORIDA</b> |
|-----------------------|---------------------|---------------------------|-----------------|-----------------|----------------------------|

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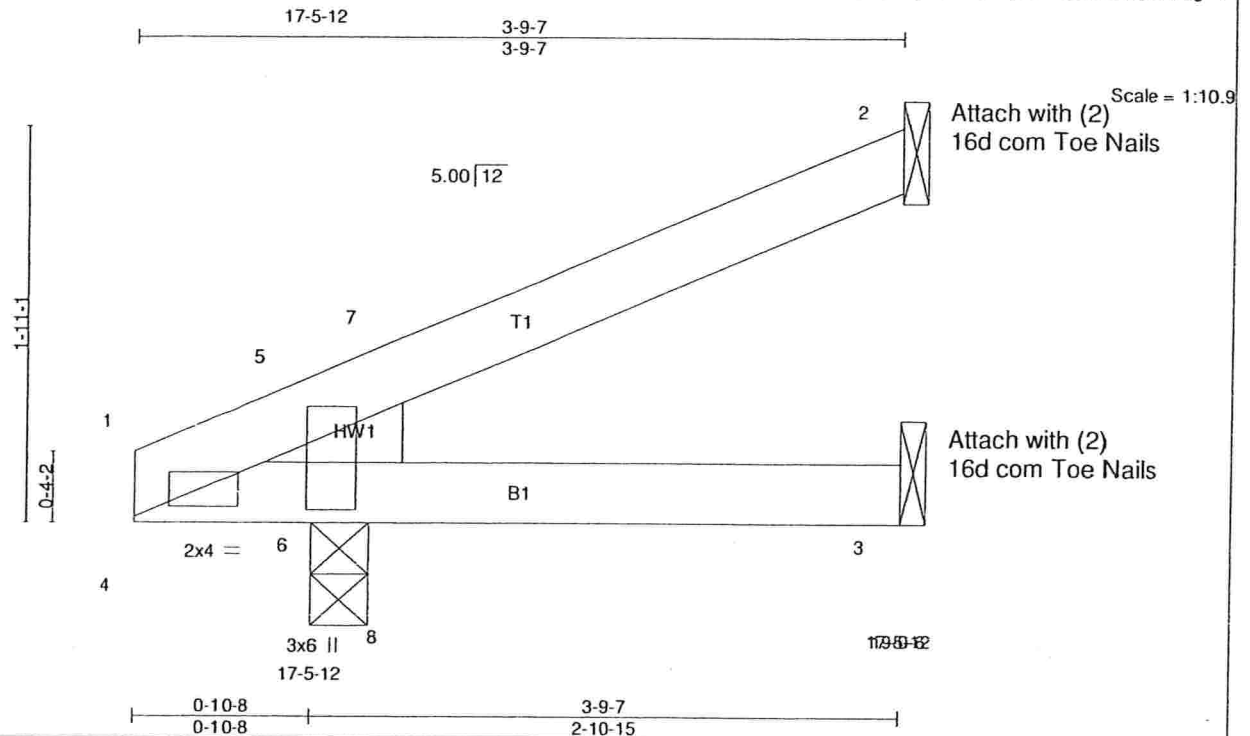


Plate Offsets (X,Y): [1:0-2-1,0-0-9], [1:0-0-7,0-10-3]

| LOADING (psf) | SPACING               | CSI        | DEFL           | in  | (loc) | l/defl | L/d | PLATES        | GRIP    |
|---------------|-----------------------|------------|----------------|-----|-------|--------|-----|---------------|---------|
| TCLL 16.0     | Plates Increase 2-0-0 | TC 0.12    | Vert(LL) 0.01  | 3-8 | >999  | 360    |     | MT20          | 244/190 |
| TCDL 7.0      | Lumber Increase 1.25  | BC 0.13    | Vert(TL) -0.01 | 3-8 | >999  | 240    |     |               |         |
| BCLL 0.0      | Rep Stress Incr YES   | WB 0.00    | Horz(TL) -0.00 | 2   | n/a   | n/a    |     |               |         |
| BCDL 10.0     | Code FRC2007/TPI2002  | (Matrix-M) |                |     |       |        |     |               |         |
|               |                       |            |                |     |       |        |     | Weight: 13 lb |         |

**LUMBER**  
TOP CHORD 2 X 4 SYP No.3  
BOT CHORD 2 X 4 SYP No.3  
WEDGE  
Left: 2 X 4 SYP No.3

**BRACING**  
TOP CHORD Structural wood sheathing directly applied or 3-9-7 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

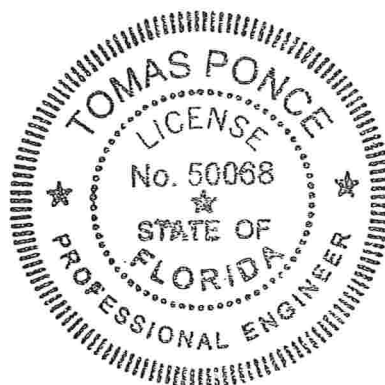
**REACTIONS** (lb/size) 2=54/Mechanical, 3=31/Mechanical, 6=161/0-1-8 (input: 0-3-8)  
Max Horz6=81(LC 6)  
Max Uplift2=-62(LC 6), 3=-5(LC 6), 6=-59(LC 6)  
Max Grav2=54(LC 1), 3=47(LC 2), 6=161(LC 1)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

#### NOTES

- 1) Wind: ASCE 7-05; 140mph (3-second gust); TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) \* 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.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 3, 6.

**LOAD CASE(S)** Standard

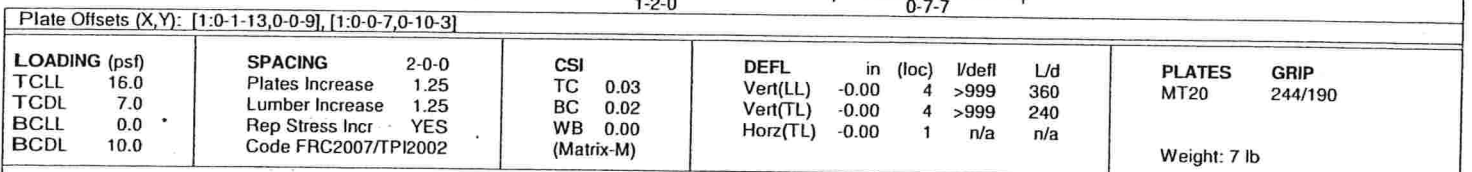


*[Signature]*

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$$\begin{array}{r} 17.512 \\ - 1.97 \\ \hline 15.542 \end{array}$$



|                  |                                                                 |
|------------------|-----------------------------------------------------------------|
| <b>BRACING</b>   |                                                                 |
| <b>TOP CHORD</b> | Structural wood sheathing directly applied or 1-9-7 oc purlins. |
| <b>BOT CHORD</b> | Rigid ceiling directly applied or 6-0-0 oc bracing.             |

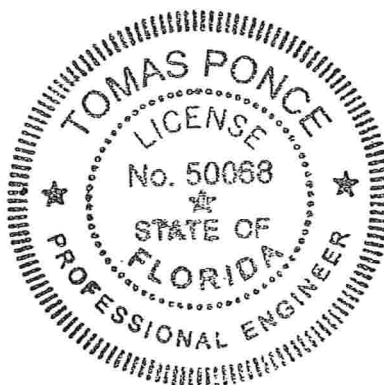
**REACTIONS** (lb/size) 3=2/Mechanical, 6=116/0-1-8 (input: 0-3-8), 2=3/Mechanical  
 Max Horz 6=38(LC 6)  
 Max Uplift3=3(LC 6), 6=-41(LC 6), 2=-15(LC 6)  
 Max Grav3=3(LC 2), 6=116(LC 1), 2=3(LC 1)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

## NOTES

- 1) Wind: ASCE 7-05; 140mph (3-second gust); TCDF=4.2psf; BCDF=5.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) \* 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.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 6, 2.

LOAD CASE(S) Standard



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|                                 |                         |                              |                                                                                                        |                 |                            |
|---------------------------------|-------------------------|------------------------------|--------------------------------------------------------------------------------------------------------|-----------------|----------------------------|
| Job<br><b>BAYBURY</b>           | Truss<br><b>JSGRD1X</b> | Truss Type<br><b>SPECIAL</b> | Qty<br><b>2</b>                                                                                        | Ply<br><b>1</b> | <b>BAYBURY_140_FLORIDA</b> |
| Maronda Homes Inc., Sanford, FL |                         |                              | Job Reference (optional)<br>7.110 s Dec 15 2008 MiTek Industries, Inc. Wed Feb 04 15:05:54 2009 Page 1 |                 |                            |

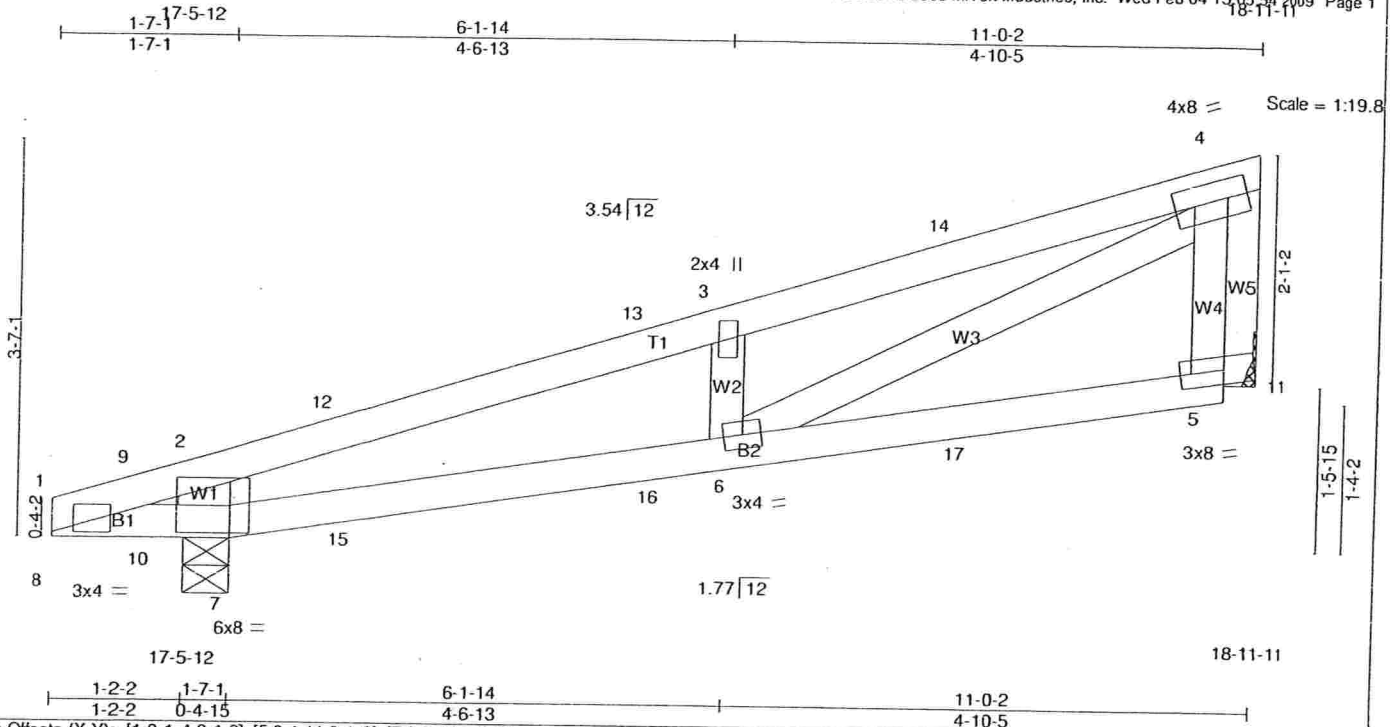


Plate Offsets (X,Y): [1:0-1-4,0-1-8], [5:0-4-11,0-1-8], [7:0-5-12,0-0-8]

| LOADING (psf) | SPACING              | CSI        | DEFL           | in (loc) | l/defl | L/d | PLATES        | GRIP    |
|---------------|----------------------|------------|----------------|----------|--------|-----|---------------|---------|
| TCLL 16.0     | Plates Increase 1.25 | TC 0.56    | Vert(LL) 0.12  | 5-6      | >971   | 360 | MT20          | 244/190 |
| TCDL 7.0      | Lumber Increase 1.25 | BC 0.93    | Vert(TL) -0.15 | 5-6      | >743   | 240 |               |         |
| BCLL 0.0      | Rep Stress Incr NO   | WB 0.26    | Horz(TL) 0.01  | 11       | n/a    | n/a |               |         |
| BCDL 10.0     | Code FRC2007/TPI2002 | (Matrix-M) |                |          |        |     |               |         |
|               |                      |            |                |          |        |     | Weight: 47 lb |         |

#### LUMBER

TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP No.2 \*Except\*  
B1: 2 X 4 SYP No.3  
WEBS 2 X 4 SYP No.3 \*Except\*  
W1: 2 X 6 SYP No.2

#### BRACING

TOP CHORD Structural wood sheathing directly applied or 5-3-13 oc purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 7=385/0-1-8 (input: 0-4-15), 11=450/Mechanical  
Max Horz 7=162(LC 3)  
Max Uplift 7=390(LC 3), 11=334(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-9=-268/470, 2-9=-1046/721, 2-12=-974/662, 12-13=-969/671, 3-13=-910/640,  
3-14=-958/732, 4-14=-913/719  
BOT CHORD 8-10=-510/295, 7-10=-723/1059, 7-15=-730/904, 15-16=-737/890, 6-16=-730/905,  
6-17=-191/264, 5-17=-202/285  
WEBS 2-7=-356/334, 3-6=-224/310, 4-6=-625/729, 8-9=-1011/588, 1-10=-624/1074,  
4-11=-465/346

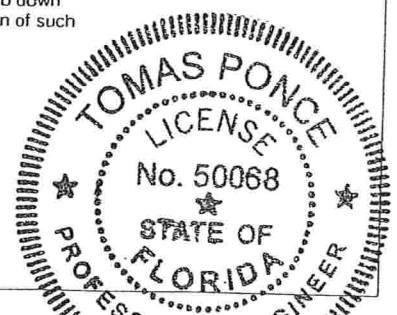
#### NOTES

- 1) Wind: ASCE 7-05; 140mph (3-second gust); TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) \* 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.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=390, 11=334.
- 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 8 lb down and 21 lb up at 2-7-6, 8 lb down and 21 lb up at 2-7-6, 40 lb down and 80 lb up at 5-5-5, 40 lb down and 80 lb up at 5-5-5, and 41 lb down and 52 lb up at 8-3-4, and 41 lb down and 52 lb up at 8-3-4 on top chord, and 54 lb up at 2-7-6, 54 lb up at 2-7-6, 34 lb down at 5-5-5, 34 lb down at 5-5-5, and 46 lb down and 45 lb up at 8-3-4, and 46 lb down and 45 lb up at 8-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

#### LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25  
Uniform Loads (plf)  
Vert: 1-4=-46, 7-8=-20, 5-7=-20

Continued on page 2



|                |                  |                       |          |          |                     |
|----------------|------------------|-----------------------|----------|----------|---------------------|
| Job<br>BAYBURY | Truss<br>JSGRD1X | Truss Type<br>SPECIAL | Qty<br>2 | Ply<br>1 | BAYBURY_140_FLORIDA |
|----------------|------------------|-----------------------|----------|----------|---------------------|

Maronda Homes Inc., Sanford, FL

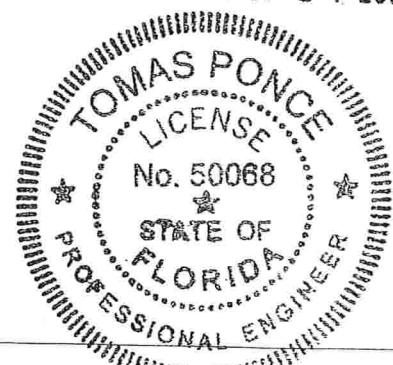
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LOAD CASE(S) Standard  
Concentrated Loads (lb)

Vert: 12=42(F=21, B=21) 13=-79(F=-40, B=-40) 14=-81(F=-41, B=-41) 15=109(F=54, B=54) 16=-34(F=-17, B=-17) 17=-93(F=-46, B=-46)



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|         |       |            |     |     |                     |
|---------|-------|------------|-----|-----|---------------------|
| Job     | Truss | Truss Type | Qty | Ply | BAYBURY_140_FLORIDA |
| BAYBURY | JSX   | SPECIAL    | 4   | 1   |                     |

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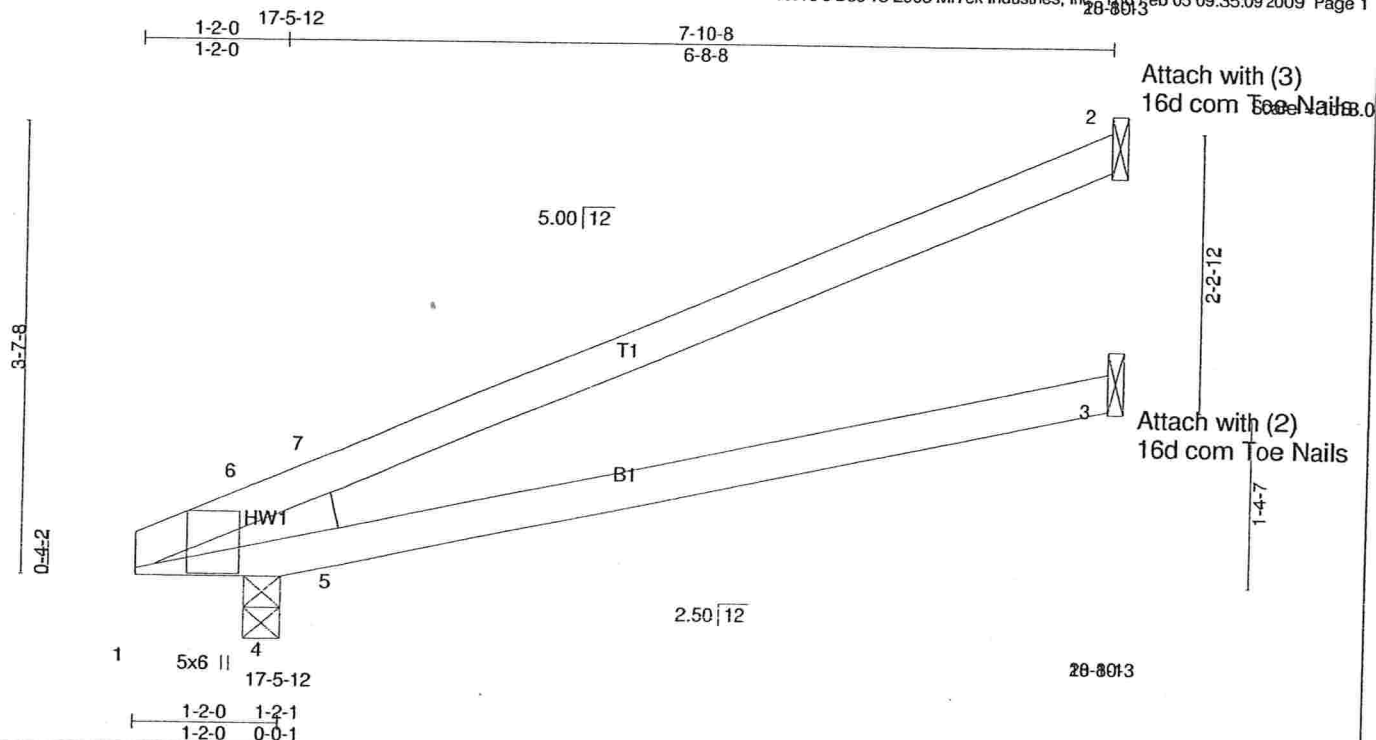


Plate Offsets (X,Y): [1:0-5-4,Edge]

| LOADING (psf) | SPACING              | 2-0-0 | CSI        | DEFL     | in    | (loc) | I/defl | L/d | PLATES        | GRIP    |
|---------------|----------------------|-------|------------|----------|-------|-------|--------|-----|---------------|---------|
| TCLL 16.0     | Plates Increase      | 1.25  | TC 0.39    | Vert(LL) | 0.18  | 3-5   | >515   | 360 | MT20          | 244/190 |
| TCDL 7.0      | Lumber Increase      | 1.25  | BC 0.40    | Vert(TL) | -0.22 | 3-5   | >421   | 240 |               |         |
| BCLL 0.0      | Rep Stress Incr      | YES   | WB 0.00    | Horz(TL) | -0.06 | 2     | n/a    | n/a |               |         |
| BCDL 10.0     | Code FRC2007/TPI2002 |       | (Matrix-M) |          |       |       |        |     |               |         |
|               |                      |       |            |          |       |       |        |     | Weight: 27 lb |         |

#### LUMBER

TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP No.2  
WEDGE  
Left: 2 X 4 SYP No.3

#### BRACING

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

#### REACTIONS (lb/size)

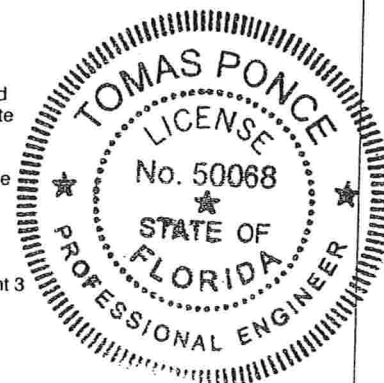
2=141/Mechanical, 3=81/Mechanical, 4=246/0-1-8 (input: 0-3-8)  
Max Horz 4=147(LC 6)  
Max Uplift 2=-152(LC 6), 3=-4(LC 6), 4=62(LC 6)  
Max Grav 2=141(LC 1), 3=122(LC 2), 4=246(LC 1)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
**WEBS** 5-7=-166/449

#### NOTES

- 1) Wind: ASCE 7-05; 140mph (3-second gust); TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) \* 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.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 152 lb uplift at joint 2, 4 lb uplift at joint 3 and 62 lb uplift at joint 4.

**LOAD CASE(S)** Standard



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|                                 |                      |                              |                 |                 |                            |
|---------------------------------|----------------------|------------------------------|-----------------|-----------------|----------------------------|
| Job<br><b>BAYBURY</b>           | Truss<br><b>JS1X</b> | Truss Type<br><b>SPECIAL</b> | Qty<br><b>4</b> | Ply<br><b>1</b> | <b>BAYBURY_140_FLORIDA</b> |
| Maronda Homes Inc., Sanford, FL |                      |                              |                 |                 | Job Reference (optional)   |

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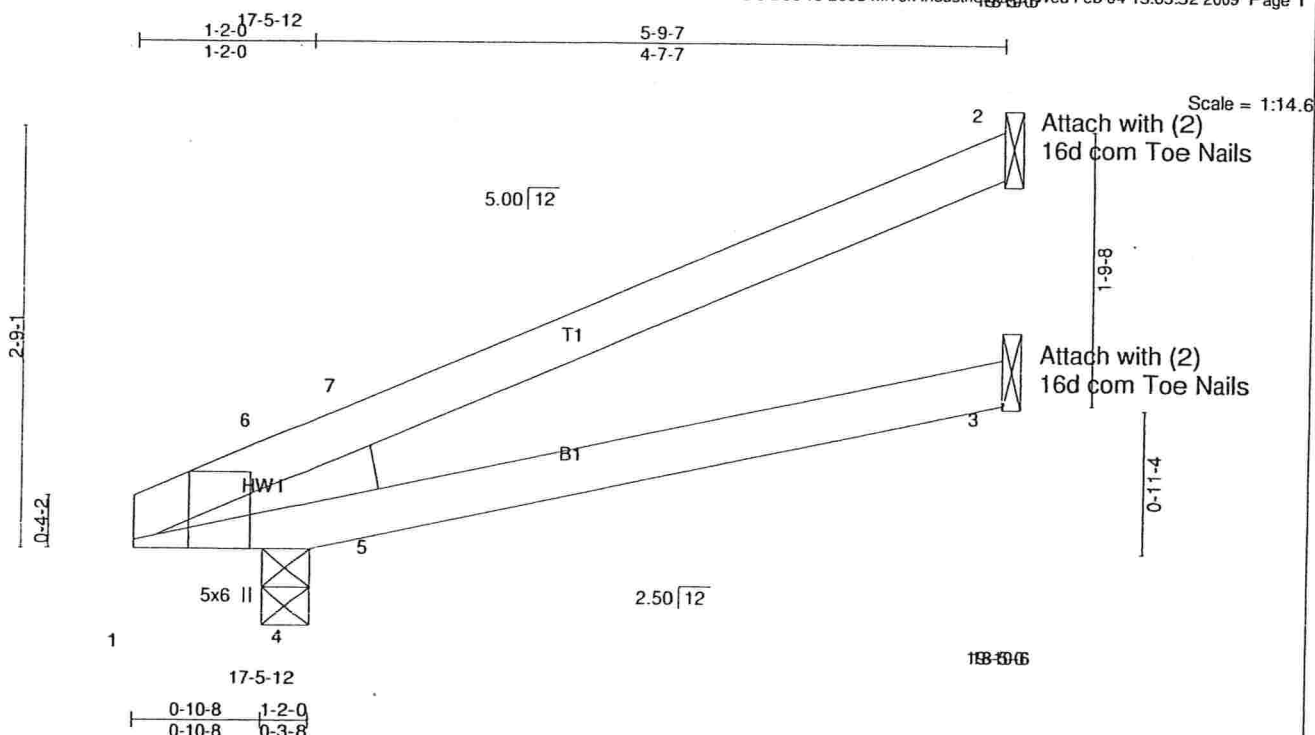


Plate Offsets (X,Y): [1:0-1-0,Edge]

| LOADING (psf) | SPACING               | CSI        | DEFL           | in  | (loc) | I/defl | L/d | PLATES | GRIP          |
|---------------|-----------------------|------------|----------------|-----|-------|--------|-----|--------|---------------|
| TCLL 16.0     | Plates Increase 2-0-0 | TC 0.19    | Vert(LL) 0.05  | 3-5 | >999  | 360    |     | MT20   | 244/190       |
| TCDL 7.0      | Lumber Increase 1.25  | BC 0.21    | Vert(TL) -0.05 | 3-5 | >999  | 240    |     |        |               |
| BCLL 0.0      | Rep Stress Incr YES   | WB 0.00    | Horz(TL) -0.02 | 2   | n/a   | n/a    |     |        |               |
| BCDL 10.0     | Code FRC2007/TPI2002  | (Matrix-M) |                |     |       |        |     |        |               |
|               |                       |            |                |     |       |        |     |        | Weight: 21 lb |

#### LUMBER

TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP No.2  
WEDGE  
Left: 2 X 4 SYP No.3

#### BRACING

TOP CHORD Structural wood sheathing directly applied or 5-9-7 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

#### REACTIONS

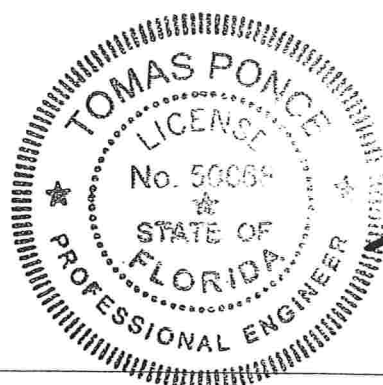
(lb/size) 2=97/Mechanical, 3=56/Mechanical, 4=178/0-1-8 (input: 0-3-8)  
Max Horz 4=102(LC 6)  
Max Uplift 2=105(LC 6), 3=-7(LC 6), 4=-36(LC 6)  
Max Grav 2=97(LC 1), 3=83(LC 2), 4=178(LC 1)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

#### NOTES

- 1) Wind: ASCE 7-05; 140mph (3-second gust); TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; cantilever left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) \* 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.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=105.

**LOAD CASE(S)** Standard



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|                                 |                      |                              |                 |                 |                            |
|---------------------------------|----------------------|------------------------------|-----------------|-----------------|----------------------------|
| Job<br><b>BAYBURY</b>           | Truss<br><b>JS2X</b> | Truss Type<br><b>SPECIAL</b> | Qty<br><b>4</b> | Ply<br><b>1</b> | <b>BAYBURY_140_FLORIDA</b> |
| Maronda Homes Inc., Sanford, FL |                      |                              |                 |                 | Job Reference (optional)   |

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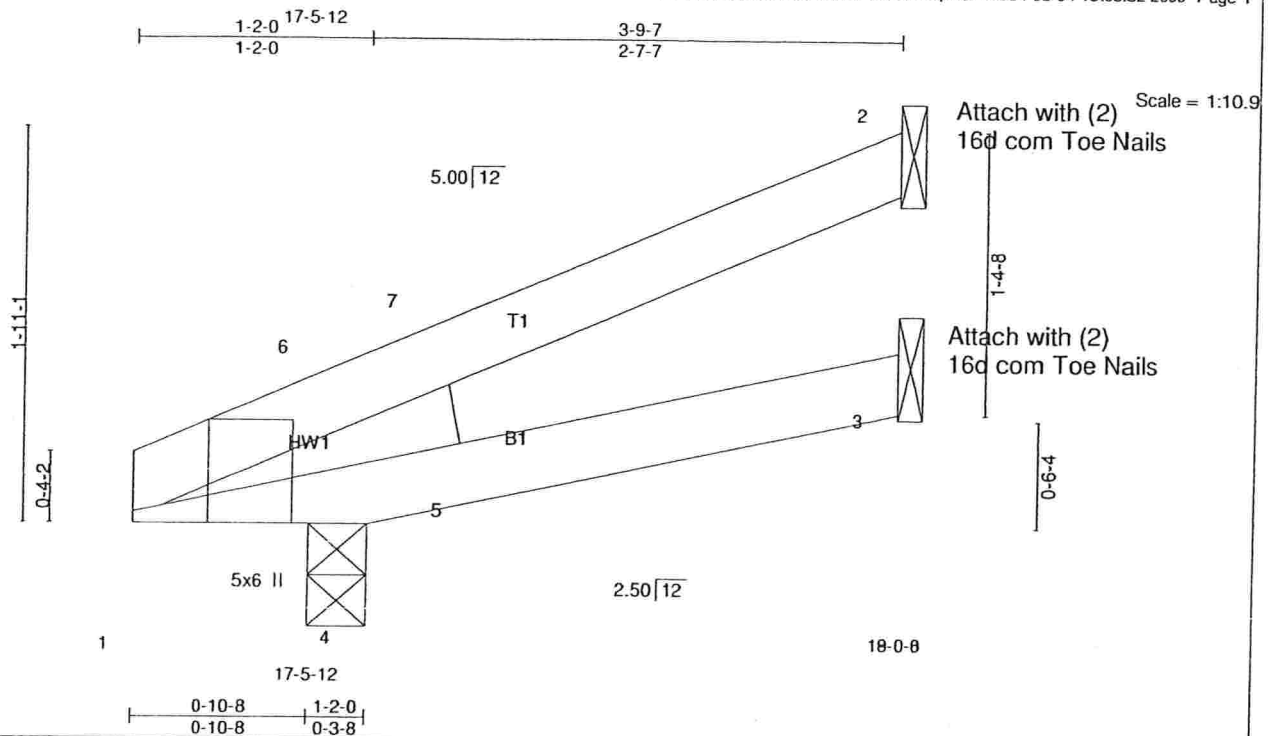


Plate Offsets (X,Y): [1:0-1-0, Edge]

| LOADING (psf) | SPACING              | CSI        | DEFL     | in    | (loc) | I/defl | L/d | PLATES | GRIP          |
|---------------|----------------------|------------|----------|-------|-------|--------|-----|--------|---------------|
| TCLL 16.0     | Plates Increase 1.25 | TC 0.06    | Vert(LL) | -0.01 | 1     | >999   | 360 | MT20   | 244/190       |
| TCDL 7.0      | Lumber Increase 1.25 | BC 0.08    | Vert(TL) | -0.01 | 3-5   | >999   | 240 |        |               |
| BCLL 0.0      | Rep Stress Incr YES  | WB 0.00    | Horz(TL) | -0.00 | 2     | n/a    | n/a |        |               |
| BCDL 10.0     | Code FRC2007/TPI2002 | (Matrix-M) |          |       |       |        |     |        |               |
|               |                      |            |          |       |       |        |     |        | Weight: 14 lb |

#### LUMBER

TOP CHORD 2 X 4 SYP No.2

BOT CHORD 2 X 4 SYP No.2

WEDGE

Left: 2 X 4 SYP No.3

#### BRACING

TOP CHORD

Structural wood sheathing directly applied or 3-9-7 oc purlins.

BOT CHORD

Rigid ceiling directly applied or 6-0-0 oc bracing.

**REACTIONS** (lb/size) 2=53/Mechanical, 3=32/Mechanical, 4=113/0-1-8 (input: 0-3-8)

Max Horz 4=59(LC 6)

Max Uplift 2=-61(LC 6), 3=-9(LC 6), 4=-10(LC 6)

Max Grav 2=53(LC 1), 3=44(LC 2), 4=122(LC 2)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

#### NOTES

1) Wind: ASCE 7-05; 140mph (3-second gust); TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; cantilever left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60

2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

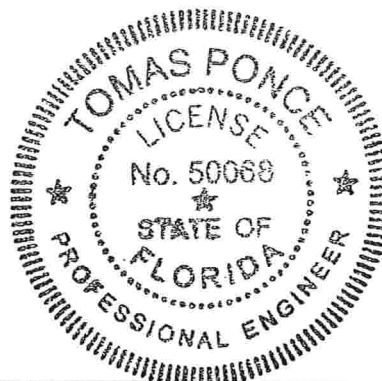
3) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.

4) Refer to girder(s) for truss to truss connections.

5) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 3, 4.

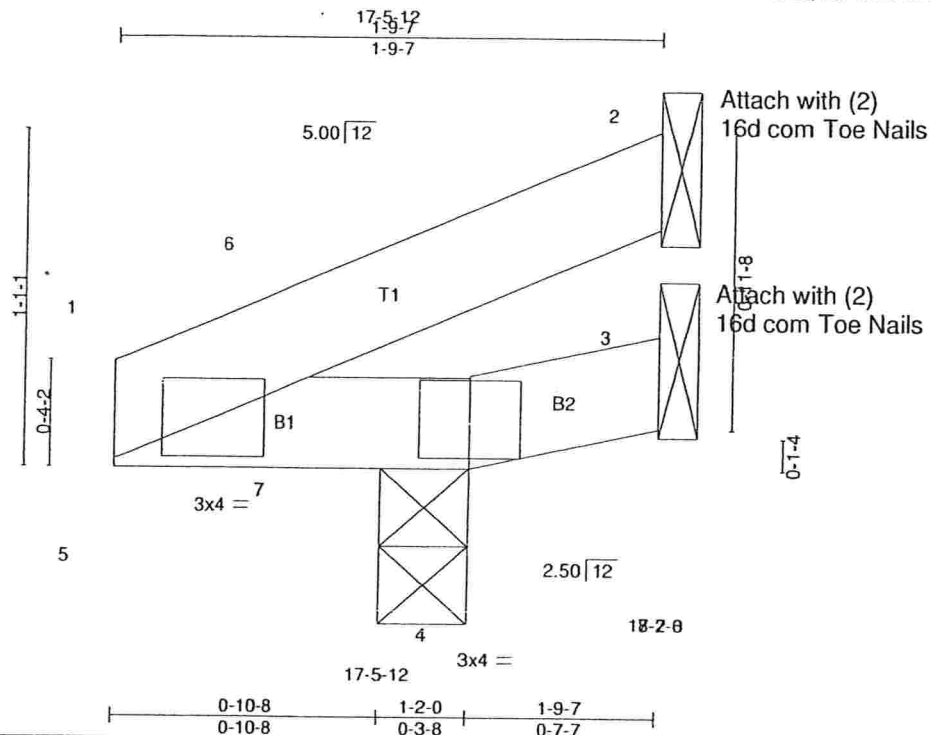
**LOAD CASE(S)** Standard



*[Signature]*

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|                                 |                      |                              |                                                                            |                 |                            |
|---------------------------------|----------------------|------------------------------|----------------------------------------------------------------------------|-----------------|----------------------------|
| Job<br><b>BAYBURY</b>           | Truss<br><b>JS3X</b> | Truss Type<br><b>SPECIAL</b> | Qty<br><b>4</b>                                                            | Ply<br><b>1</b> | <b>BAYBURY_140_FLORIDA</b> |
| Maronda Homes Inc., Sanford, FL |                      |                              | 7.110 s Dec 15 2008 MiTek Industries, Inc. Wed Feb 04 15:05:53 2009 Page 1 |                 |                            |



Scale = 1:7.2

Plate Offsets (X,Y): [4:0-2-0,0-0-7]

| LOADING (psf) | SPACING              | CSI        | DEFL     | in (loc) | I/defl | L/d  | PLATES | GRIP    |
|---------------|----------------------|------------|----------|----------|--------|------|--------|---------|
| TCLL 16.0     | 2-0-0                | TC 0.08    | Vert(LL) | -0.00    | 4      | >999 | MT20   | 244/190 |
| TCDL 7.0      | Plates Increase 1.25 | BC 0.25    | Vert(TL) | -0.00    | 4      | >999 |        |         |
| BCLL 0.0      | Lumber Increase 1.25 | WB 0.00    | Horz(TL) | 0.01     | 2      | n/a  |        |         |
| BCDL 10.0     | Rep Stress Incr YES  | (Matrix-M) |          |          |        |      |        |         |
|               | Code FRC2007/TPI2002 |            |          |          |        |      |        |         |
|               |                      |            |          |          |        |      |        |         |

Weight: 6 lb

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

**BRACING**  
TOP CHORD Structural wood sheathing directly applied or 1-9-7 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

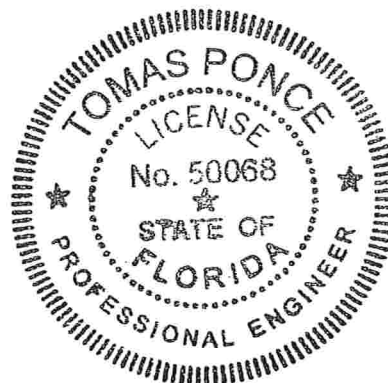
**REACTIONS** (lb/size) 3=6/Mechanical, 4=102/0-1-8 (input: 0-3-8), 2=9/Mechanical  
Max Horz 4=38(LC 6)  
Max Uplift 4=94(LC 6), 2=16(LC 5)  
Max Grav 3=12(LC 2), 4=102(LC 1), 2=9(LC 1)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
BOT CHORD 5-7=-138/261  
WEBS 5-6=-181/324, 1-7=-399/224

#### NOTES

- 1) Wind: ASCE 7-05; 140mph (3-second gust); TCCL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) \* 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.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.

**LOAD CASE(S)** Standard

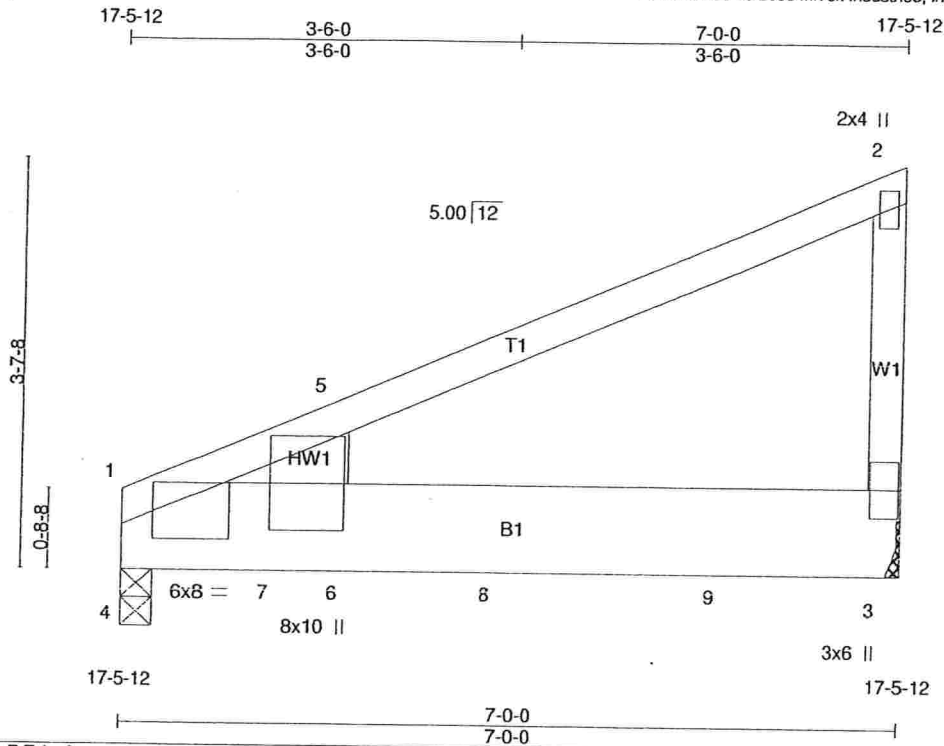


*[Signature]*

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|                                 |        |            |     |     |                          |
|---------------------------------|--------|------------|-----|-----|--------------------------|
| Job                             | Truss  | Truss Type | Qty | Ply | BAYBURY_140_FLORIDA      |
| BAYBURY                         | MGRD1X | MONO TRUSS | 1   | 1   |                          |
| Maronda Homes Inc., Sanford, FL |        |            |     |     | Job Reference (optional) |

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Scale = 1:19.9

Plate Offsets (X,Y): [1:0-11-7,Edge]

| LOADING (psf) | SPACING              | CSI        | DEFL     | in    | (loc) | I/defl | L/d | PLATES | GRIP    |
|---------------|----------------------|------------|----------|-------|-------|--------|-----|--------|---------|
| TCLL 16.0     | 2-0-0                | TC 0.34    | Vert(LL) | 0.09  | 3-6   | >876   | 360 | MT20   | 244/190 |
| TCDL 7.0      | Plates Increase 1.25 | BC 0.98    | Vert(TL) | -0.15 | 3-6   | >566   | 240 |        |         |
| BCLL 0.0      | Lumber Increase 1.25 | WB 0.03    | Horz(TL) | 0.01  | 1     | n/a    | n/a |        |         |
| BCDL 10.0     | Rep Stress Incr NO   | (Matrix-M) |          |       |       |        |     |        |         |
|               | Code FRC2007/TPI2002 |            |          |       |       |        |     |        |         |
|               |                      |            |          |       |       |        |     |        |         |

Weight: 45 lb

#### LUMBER

TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 10 SYP No.2  
WEBS 2 X 4 SYP No.3  
WEDGE  
Left: 2 X 6 SYP No.2

#### BRACING

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

**REACTIONS** (lb/size) 3=1200/Mechanical, 4=1218/0-1-8 (input: 0-3-8)  
Max Horz 4=148(LC 5)  
Max Uplift 3=645(LC 5), 4=585(LC 5)

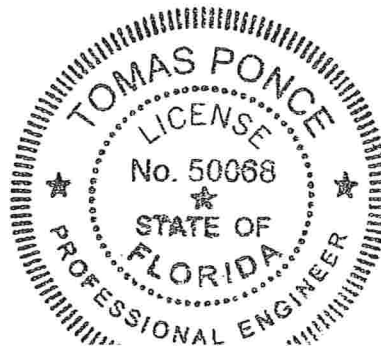
**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
BOT CHORD 4-7=-152/285, 6-7=-152/285

#### NOTES

- 1) Wind: ASCE 7-05; 140mph (3-second gust); TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) \* 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.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 645 lb uplift at joint 3 and 585 lb uplift at joint 4.
- 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 655 lb down and 333 lb up at 1-4-12, and 655 lb down and 333 lb up at 3-4-12, and 655 lb down and 333 lb up at 5-4-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

#### LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25  
Uniform Loads (plf)  
Vert: 1-2=-46, 3-4=-20  
Concentrated Loads (lb)  
Vert: 7=-655(F) 8=-655(F) 9=-655(F)



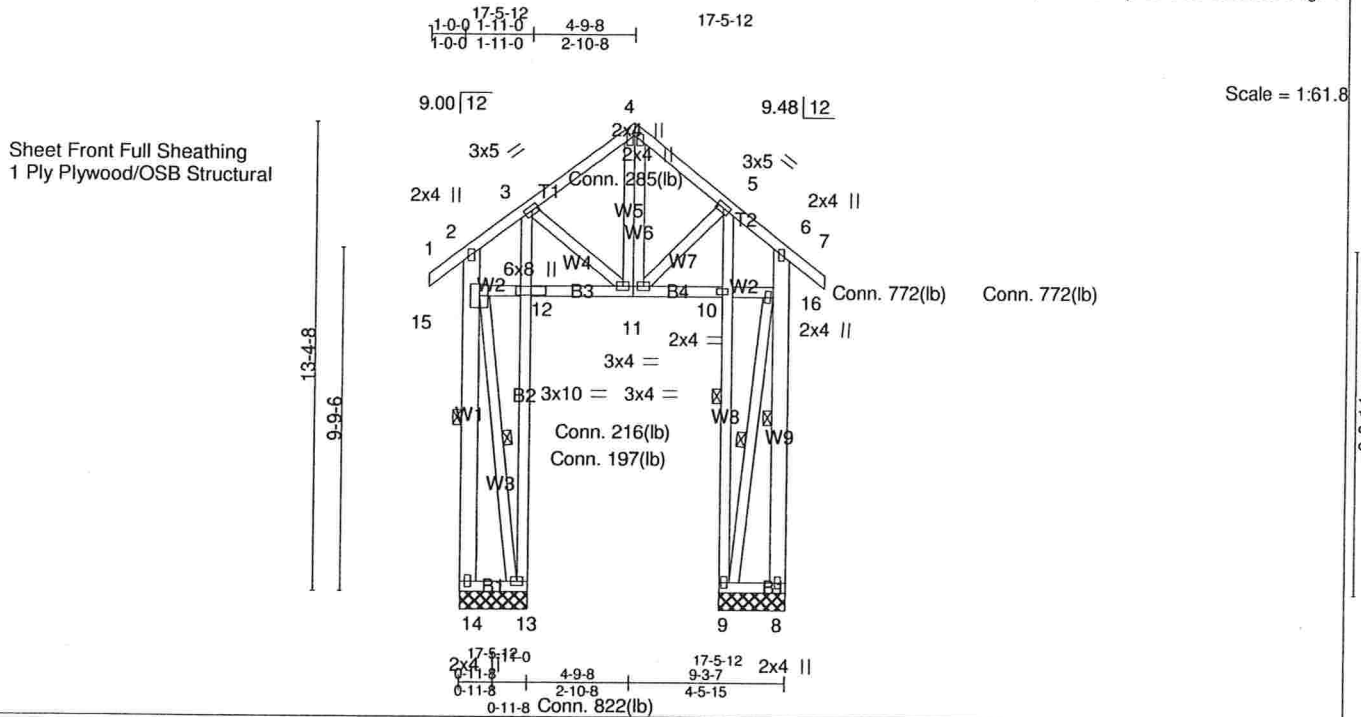
*[Signature]*  
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|                                 |       |            |                                                                            |     |                              |
|---------------------------------|-------|------------|----------------------------------------------------------------------------|-----|------------------------------|
| Job                             | Truss | Truss Type | Qty                                                                        | Ply | BAYBURY_140_FLORIDA_3W107501 |
| BAYBURY                         | C2X   | MONO TRUSS | 2                                                                          | 1   | Job Reference (optional)     |
| Maronda Homes Inc., Sanford, FL |       |            | 7.110 s Dec 15 2008 MiTek Industries, Inc. Mon Apr 20 08:31:42 2009 Page 1 |     |                              |

Maronda Homes Inc., Sanford, FL

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|                      |       |                      |                  |                               |  |                |             |
|----------------------|-------|----------------------|------------------|-------------------------------|--|----------------|-------------|
| <b>LOADING</b> (psf) |       | <b>SPACING</b> 2-0-0 | <b>CSI</b> 3x4 = | <b>DEFL</b> 2x4               |  | <b>PLATES</b>  | <b>GRIP</b> |
| TCLL                 | 16.0  | Plates Increase 1.25 | TC 0.22          | in (loc) l/defl L/d           |  | MT20           | 244/190     |
| TCDL                 | 7.0   | Lumber Increase 1.25 | BC 0.13          | Vert(LL) -0.00 11-12 >999 360 |  |                |             |
| BCLL                 | 0.0 * | Rep Stress Incr YES  | WB 0.21          | Vert(TL) -0.01 10-11 >999 240 |  |                |             |
| BCDL                 | 10.0  | Code FRC2007/TPI2002 | (Matrix-M)       | Horz(TL) -0.09 13 n/a n/a     |  |                |             |
|                      |       |                      |                  |                               |  | Weight: 162 lb |             |

**LUMBER**

TOP CHORD 2 X 4 SYP No.2

BOT CHORD 2 X 4 SYP No.2 \*Except\*

B3,B4: 2 X 4 SYP No

WEBS 2 X 4 SYP No.3 \*Except\*

W1,W9: 2 X 6 SYP No.2, W3,W8: 2 X 4 SYP No.2

## REACTIONS

All bearings 1-11-0.

(lb) - Max Horz 9=146(LC 5)

Max Uplift All uplift 100 lb or less at joint(s) 13 except 14=-200(LC 6), 8=-768(LC 5), 9=-807(LC 4), 12=-191(LC

Max Grav All reactions 250 lb or less at joint(s) 14, 13, 12 except 8=668(LC 4), 9=587(LC 5)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 3-4=-107/251, 14-15=-87/311, 2-15=-91/335

WEBS 8-16=-661/776, 6-16=-88/322, 9-16=-736/785

## NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-05; 140mph (3-second gust); TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; partially; MWFRS (low-rise) and C Interior(1) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) All additional member connections shall be provided by others for forces as indicated.
- 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) 12 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 100 lb uplift at joint(s) 13 except (jt=lb) 14=200, 8=768, 9=807, 12=191.
- 8) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

## BRACING

TOP CHORD

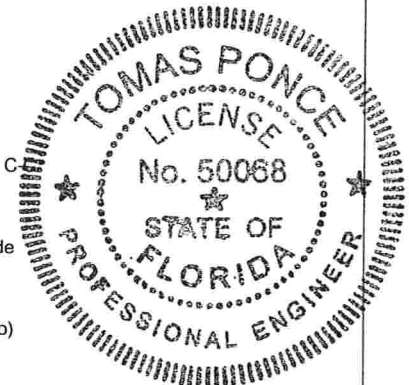
Structural wood sheathing directly applied or 4-9-8 oc purlins, except end verticals.

BOT CHORD

Rigid ceiling directly applied or 6-0-0 oc bracing.

WEBS

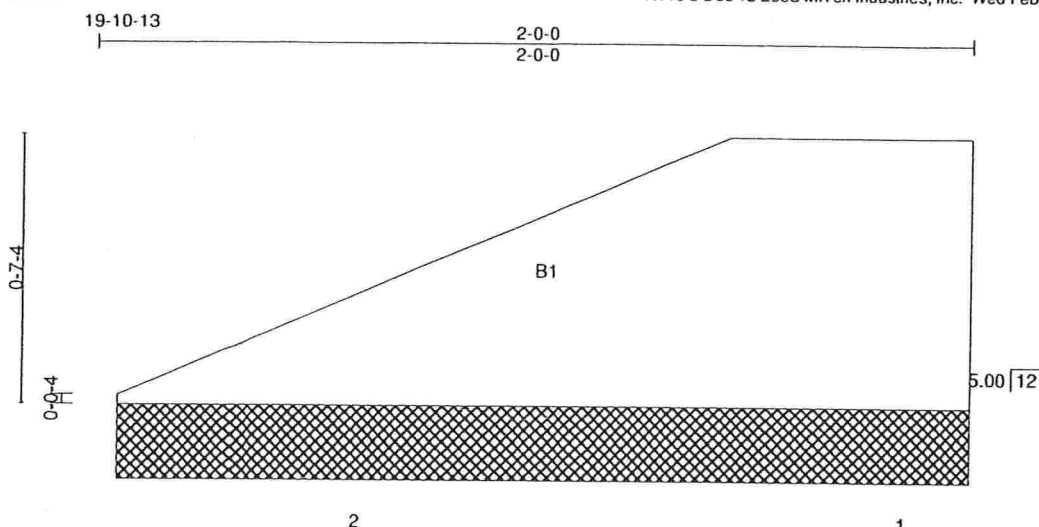
1 Row at midpt 2-14, 13-15, 5-9, 6-8, 9-16



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|                                 |              |                      |          |          |                          |
|---------------------------------|--------------|----------------------|----------|----------|--------------------------|
| Job<br>BAYBURY                  | Truss<br>V1X | Truss Type<br>VALLEY | Qty<br>1 | Ply<br>1 | BAYBURY_140_FLORIDA      |
| Maronda Homes Inc., Sanford, FL |              |                      |          |          | Job Reference (optional) |

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Scale = 1:5.0

|                      |      |                      |            |                      |            |               |               |
|----------------------|------|----------------------|------------|----------------------|------------|---------------|---------------|
| <b>LOADING</b> (psf) |      | <b>SPACING</b> 2'-0" | <b>CSI</b> | <b>DEFL</b> in (loc) | <b>L/d</b> | <b>PLATES</b> | <b>GRIP</b>   |
| TCLL                 | 16.0 | Plates Increase      | 0.90       | TC                   | 0.00       | Vert(LL)      | n/a - n/a 999 |
| TCDL                 | 7.0  | Plt. Metal Increase  | 0.90       | BC                   | 0.00       | Vert(TL)      | n/a - n/a 999 |
| BCLL                 | 0.0  | Lumber Increase      | 0.90       | WB                   | 0.00       | Horz(TL)      | 0.00 n/a n/a  |
| BCDL                 | 10.0 | Rep Stress Incr      | YES        | (Matrix)             |            |               |               |
|                      |      | Code FRC2007/TPI2002 |            |                      |            |               | Weight: 6 lb  |

**LUMBER**  
BOT CHORD 2 X 8 SYP No.2

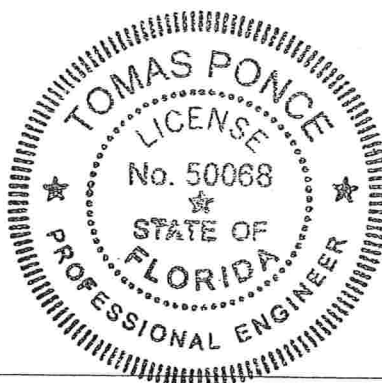
**BRACING**  
BOT CHORD Rigid ceiling directly applied or 10'-0" oc bracing.

**REACTIONS** (lb/size) 2=12'-0"-1'-8" (input: 1-11-6), 1=12'-0"-1'-8" (input: 1-11-6)  
Max Grav 2=25(LC 2), 1=25(LC 2)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**NOTES**  
1) Gable requires continuous bottom chord bearing.  
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.  
3) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6" tall by 1'-0" wide will fit between the bottom chord and any other members.

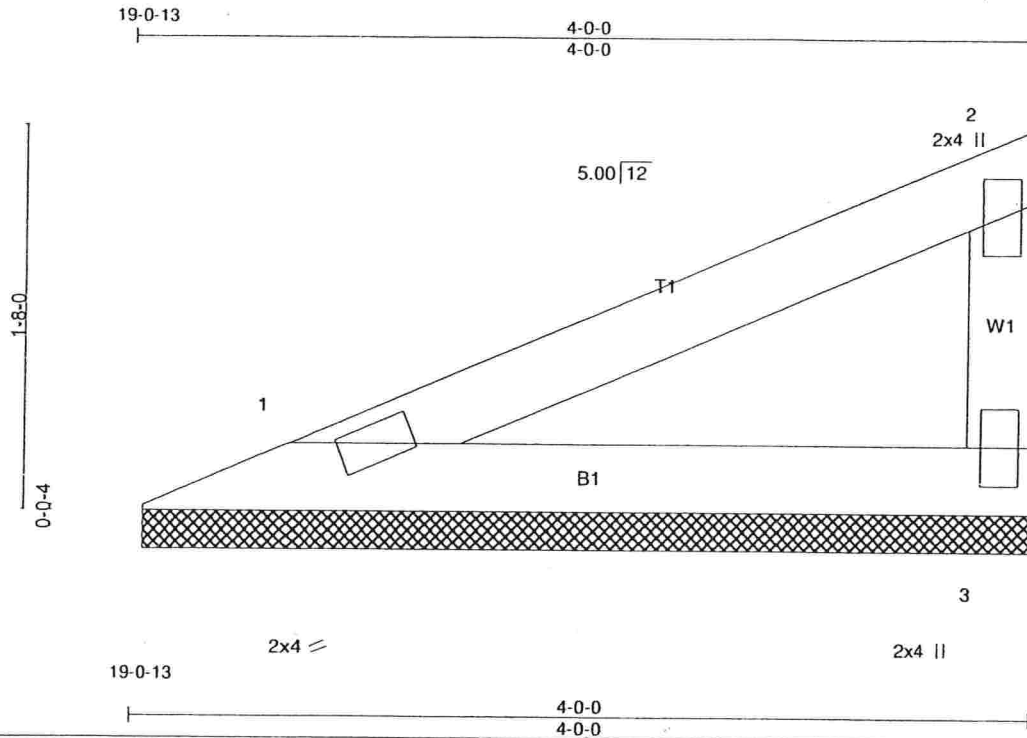
**LOAD CASE(S)** Standard



*[Signature]*

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|                                 |                     |                             |                 |                 |                                                                                                        |
|---------------------------------|---------------------|-----------------------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------|
| Job<br><b>BAYBURY</b>           | Truss<br><b>V2X</b> | Truss Type<br><b>VALLEY</b> | Qty<br><b>1</b> | Ply<br><b>1</b> | <b>BAYBURY_140_FLORIDA</b>                                                                             |
| Maronda Homes Inc., Sanford, FL |                     |                             |                 |                 | Job Reference (optional)<br>7.110 s Dec 15 2008 MITek Industries, Inc. Wed Feb 04 15:06:15 2009 Page 1 |



Scale = 1:9.7

| LOADING (psf) | SPACING              | CSI      | DEFL     | in   | (loc) | l/defl | L/d | PLATES | GRIP          |
|---------------|----------------------|----------|----------|------|-------|--------|-----|--------|---------------|
| TCLL 16.0     | Plates Increase 1.25 | TC 0.12  | Vert(LL) | n/a  | -     | n/a    | 999 | MT20   | 244/190       |
| TCDL 7.0      | Lumber Increase 1.25 | BC 0.09  | Vert(TL) | n/a  | -     | n/a    | 999 |        |               |
| BCLL 0.0      | Rep Stress Incr YES  | WB 0.00  | Horz(TL) | 0.00 |       | n/a    | n/a |        |               |
| BCDL 10.0     | Code FRC2007/TPI2002 | (Matrix) |          |      |       |        |     |        |               |
|               |                      |          |          |      |       |        |     |        | Weight: 13 lb |

#### LUMBER

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

#### BRACING

TOP CHORD Structural wood sheathing directly applied or 4'-0" oc purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 10'-0" oc bracing.

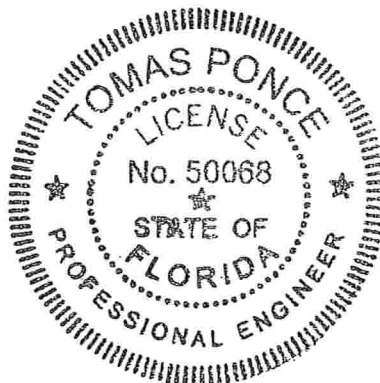
**REACTIONS** (lb/size) 1=103/0-1-8 (input: 3-11-6), 3=103/0-1-8 (input: 3-11-6)  
Max Ho:z 1=68(LC 6)  
Max Uplift 1=-38(LC 6), 3=-67(LC 6)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

#### NOTES

- 1) Wind: ASCE 7-05; 140mph (3-second gust); TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Gable requires continuous bottom chord bearing.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6" tall by 1'-0" wide will fit between the bottom chord and any other members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.

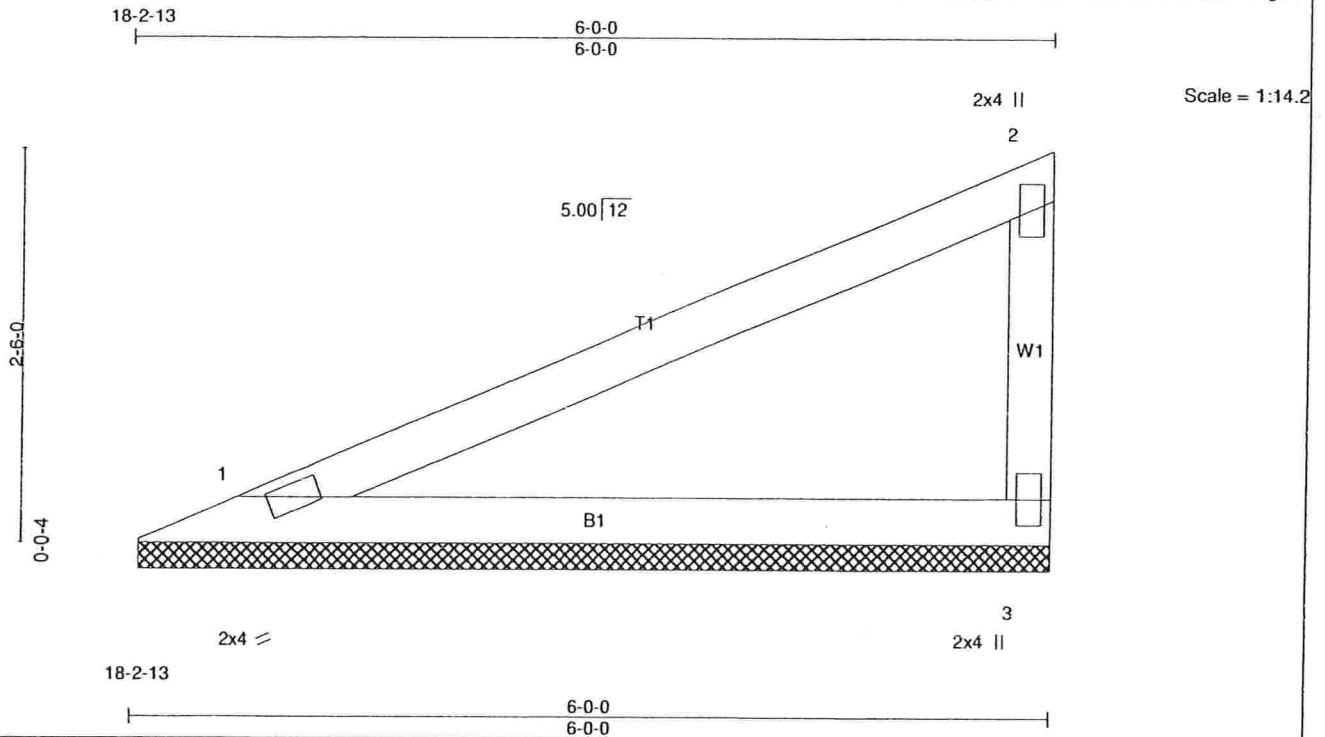
**LOAD CASE(S)** Standard



*[Signature]*

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|                                                                            |       |            |     |     |                          |
|----------------------------------------------------------------------------|-------|------------|-----|-----|--------------------------|
| Job                                                                        | Truss | Truss Type | Qty | Ply | BAYBURY_140_FLORIDA      |
| BAYBURY                                                                    | V3X   | VALLEY     | 1   | 1   | Job Reference (optional) |
| Maronda Homes Inc., Sanford, FL                                            |       |            |     |     |                          |
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| LOADING (psf) | SPACING              | CSI      | DEFL     | in   | (loc) | l/defl | L/d | PLATES        | GRIP    |
|---------------|----------------------|----------|----------|------|-------|--------|-----|---------------|---------|
| TCLL 16.0     | 2-0-0                | TC 0.31  | Vert(LL) | n/a  | -     | n/a    | 999 | MT20          | 244/190 |
| TCDL 7.0      | Plates Increase 1.25 | BC 0.25  | Vert(TL) | n/a  | -     | n/a    | 999 |               |         |
| BCLL 0.0      | Lumber Increase 1.25 | WB 0.00  | Horz(TL) | 0.00 | -     | n/a    | n/a |               |         |
| BCDL 10.0     | Rep Stress Incr YES  | (Matrix) |          |      |       |        |     |               |         |
|               | Code FRC2007/TPI2002 |          |          |      |       |        |     |               |         |
|               |                      |          |          |      |       |        |     | Weight: 20 lb |         |

|                          |                                                                                                 |
|--------------------------|-------------------------------------------------------------------------------------------------|
| <b>LUMBER</b>            | <b>BRACING</b>                                                                                  |
| TOP CHORD 2 X 4 SYP No.2 | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD 2 X 4 SYP No.2 | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.                                  |
| WEBS 2 X 4 SYP No.3      |                                                                                                 |

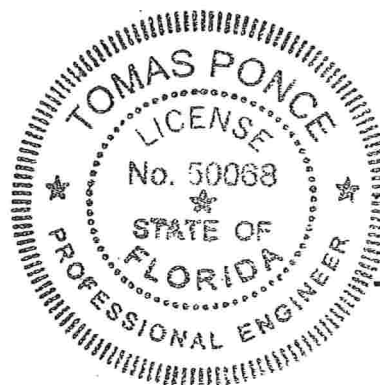
**REACTIONS** (lb/size) 1=169/0-1-8 (input: 5-11-6), 3=169/0-1-8 (input: 5-11-6)  
Max Horz 1=111(LC 6)  
Max Uplift 1=-63(LC 6), 3=-109(LC 6)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

#### NOTES

- 1) Wind: ASCE 7-05; 140mph (3-second gust); TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Gable requires continuous bottom chord bearing.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* 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.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 3=109.

**LOAD CASE(S)** Standard

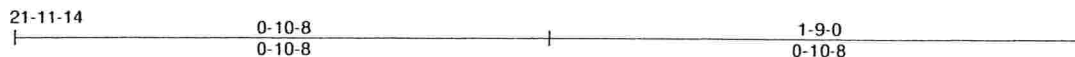


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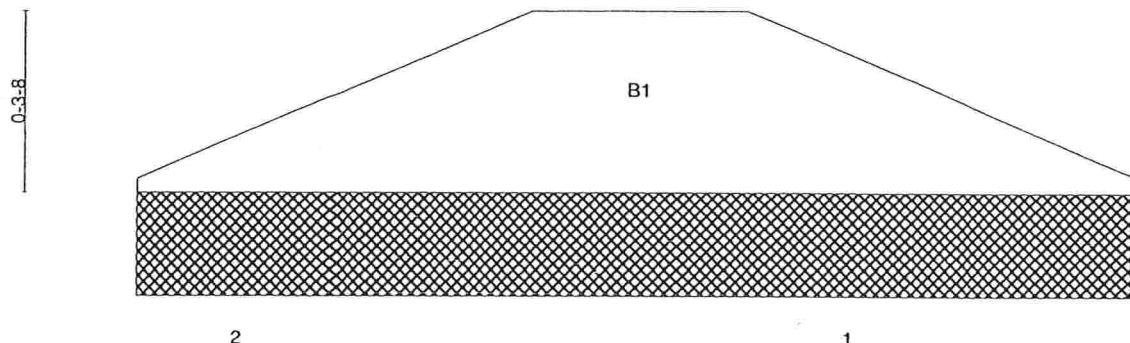


|                                 |                     |                             |                 |                 |                            |
|---------------------------------|---------------------|-----------------------------|-----------------|-----------------|----------------------------|
| Job<br><b>BAYBURY</b>           | Truss<br><b>V4X</b> | Truss Type<br><b>VALLEY</b> | Qty<br><b>1</b> | Ply<br><b>1</b> | <b>BAYBURY_140_FLORIDA</b> |
| Maronda Homes Inc., Sanford, FL |                     |                             |                 |                 | Job Reference (optional)   |

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Scale = 1:3.6



21-11-14

0-0-10  
0-0-10

1-9-0  
1-8-6

| LOADING (psf) | SPACING                  | CSI      | DEFL     | in (loc) | l/defl | L/d | PLATES | GRIP         |
|---------------|--------------------------|----------|----------|----------|--------|-----|--------|--------------|
| TCLL 16.0     | Plates Increase 0.90     | TC 0.00  | Vert(LL) | n/a      | n/a    | 999 |        |              |
| TCDL 7.0      | Plt. Metal Increase 0.90 | BC 0.02  | Vert(TL) | n/a      | n/a    | 999 |        |              |
| BCLL 0.0      | Lumber Increase 0.90     | WB 0.00  | Horz(TL) | 0.00     | n/a    | n/a |        |              |
| BCDL 10.0     | Rep Stress Incr YES      | (Matrix) |          |          |        |     |        |              |
|               | Code FRC2007/TPI2002     |          |          |          |        |     |        | Weight: 2 lb |

#### LUMBER

BOT CHORD 2 X 4 SYP No.3

#### BRACING

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

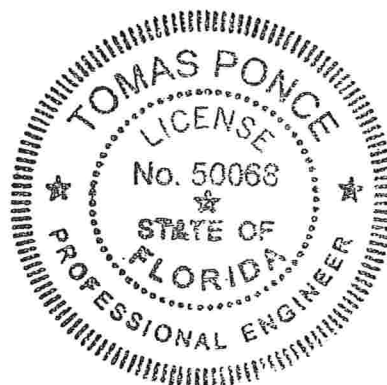
**REACTIONS** (lb/size) 2=10/0-1-8 (input: 1-7-12), 1=10/0-1-8 (input: 1-7-12)  
Max Grav2=20(LC 2), 1=20(LC 2)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

#### NOTES

- 1) Gable requires continuous bottom chord bearing.
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) \* 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.

**LOAD CASE(S)** Standard



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|                                 |                     |                             |                          |                 |                            |
|---------------------------------|---------------------|-----------------------------|--------------------------|-----------------|----------------------------|
| Job<br><b>BAYBURY</b>           | Truss<br><b>V5X</b> | Truss Type<br><b>VALLEY</b> | Qty<br><b>2</b>          | Ply<br><b>1</b> | <b>BAYBURY_140_FLORIDA</b> |
| Maronda Homes Inc., Sanford, FL |                     |                             | Job Reference (optional) |                 |                            |

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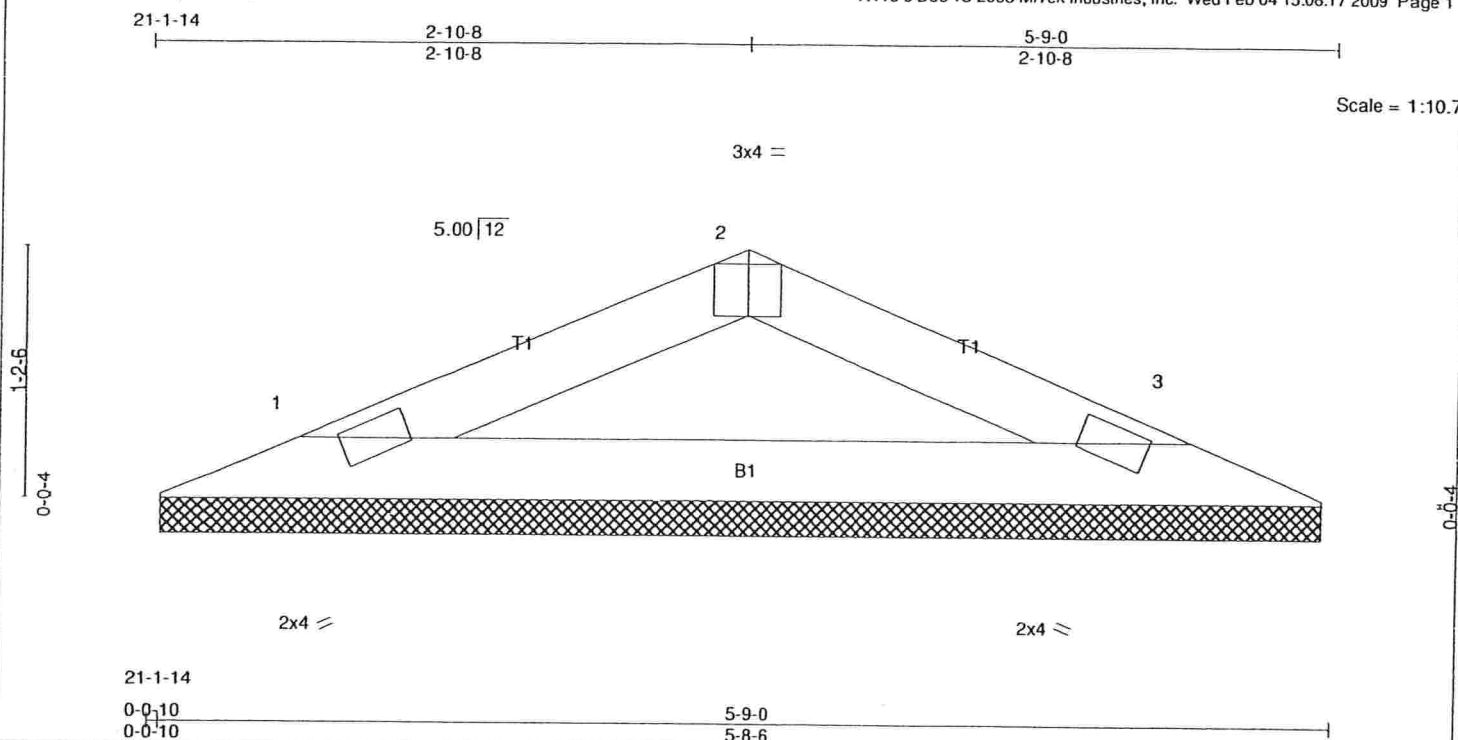


Plate Offsets (X,Y): [2'-0-2-0,Edge]

| LOADING (psf) | SPACING              | CSI      | DEFL     | in    | (loc) | l/defl | L/d | PLATES        | GRIP    |
|---------------|----------------------|----------|----------|-------|-------|--------|-----|---------------|---------|
| TCLL 16.0     | Plates Increase 1.25 | TC 0.08  | Vert(LL) | n/a   | -     | n/a    | 999 | MT20          | 244/190 |
| TCDL 7.0      | Lumber Increase 1.25 | BC 0.18  | Vert(TL) | n/a   | -     | n/a    | 999 |               |         |
| BCLL 0.0      | Rep Stress Incr YES  | WB 0.00  | Horz(TL) | -0.00 | 3     | n/a    | n/a |               |         |
| BCDL 10.0     | Code FRC2007/TPI2002 | (Matrix) |          |       |       |        |     |               |         |
|               |                      |          |          |       |       |        |     | Weight: 15 lb |         |

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

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

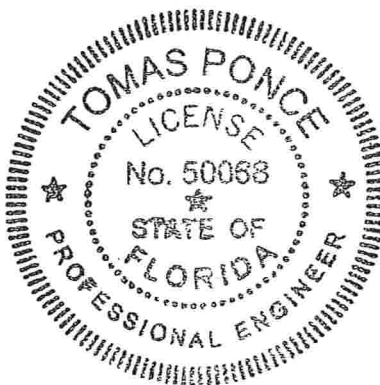
**REACTIONS** (lb/size) 1=142/0-1-8 (input: 5-7-12), 3=142/0-1-8 (input: 5-7-12)  
Max Horz 1=17(LC 6)  
Max Uplift1=-60(LC 6), 3=-60(LC 7)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

#### NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-05; 140mph (3-second gust); TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Gable requires continuous bottom chord bearing.
- 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 100 lb uplift at joint(s) 1, 3.

**LOAD CASE(S)** Standard

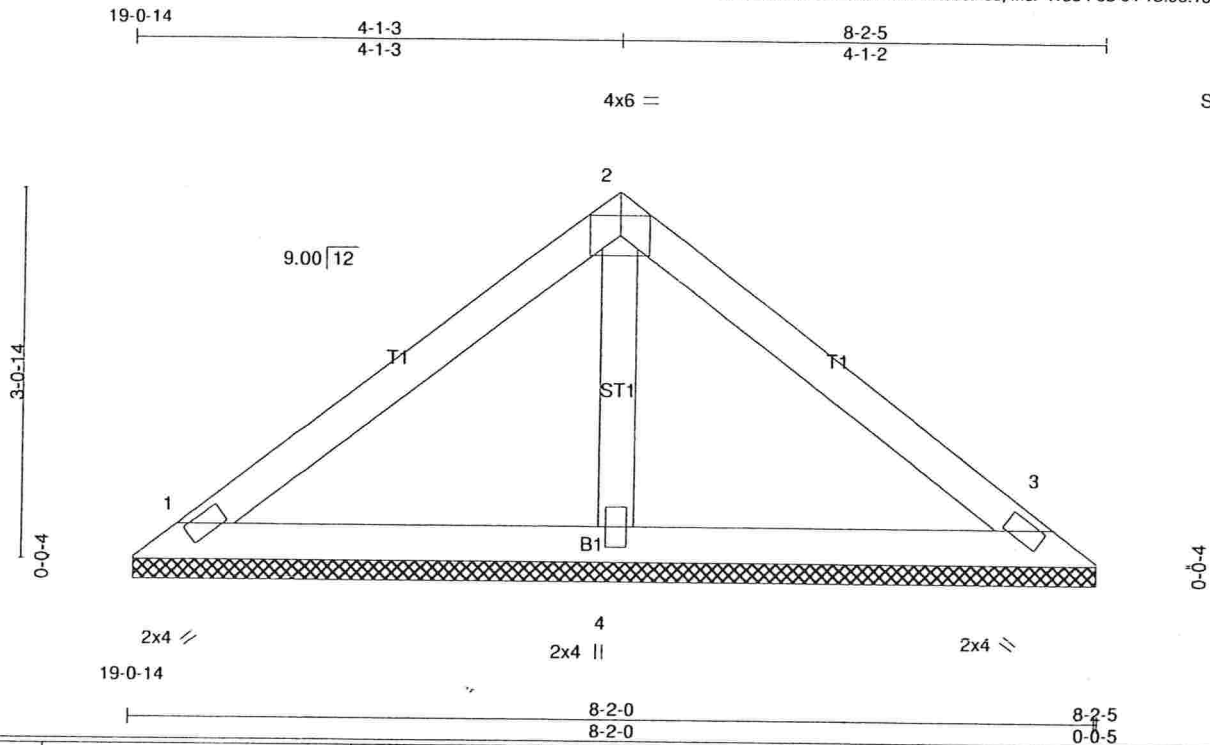


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|                       |                     |                             |                 |                 |                            |
|-----------------------|---------------------|-----------------------------|-----------------|-----------------|----------------------------|
| Job<br><b>BAYBURY</b> | Truss<br><b>V6X</b> | Truss Type<br><b>VALLEY</b> | Qty<br><b>1</b> | Ply<br><b>1</b> | <b>BAYBURY_140_FLORIDA</b> |
|-----------------------|---------------------|-----------------------------|-----------------|-----------------|----------------------------|

Maronda Homes Inc., Sanford, FL

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Scale = 1:18.6

|                      |                      |            |                         |               |             |
|----------------------|----------------------|------------|-------------------------|---------------|-------------|
| <b>LOADING</b> (psf) | <b>SPACING</b> 2'-0" | <b>CSI</b> | <b>DEFL</b>             | <b>PLATES</b> | <b>GRIP</b> |
| TCLL 16.0            | Plates Increase 1.25 | TC 0.24    | in (loc) l/defl L/d     | MT20          | 244/190     |
| TCDL 7.0             | Lumber Increase 1.25 | BC 0.13    | Vert(LL) n/a - n/a 999  |               |             |
| BCCL 0.0             | Rep Stress Incr YES  | WB 0.03    | Vert(TL) n/a - n/a 999  |               |             |
| BCDL 10.0            | Code FRC2007/TPI2002 | (Matrix)   | Horz(TL) 0.00 3 n/a n/a |               |             |
|                      |                      |            |                         | Weight: 29 lb |             |

**LUMBER**  
TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP No.2  
OTHERS 2 X 4 SYP No.3

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

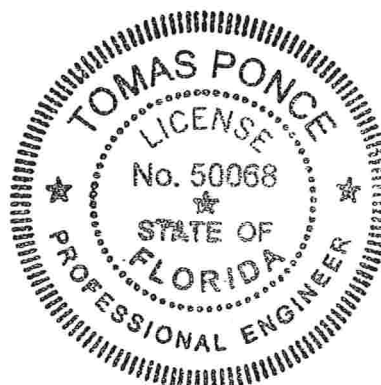
**REACTIONS** (lb/size) 1=132/0-1-8 (input: 8-1-11), 3=132/0-1-8 (input: 8-1-11), 4=218/0-1-8 (input: 8-1-11)  
Max Horz 1=123(LC 5)  
Max Uplift 1=-78(LC 6), 3=-88(LC 7), 4=-36(LC 6)  
Max Grav 1=132(LC 1), 3=132(LC 1), 4=222(LC 2)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

#### NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-05; 140mph (3-second gust); TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Gable requires continuous bottom chord bearing.
- 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" tall by 1'-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 100 lb uplift at joint(s) 1, 3, 4.

**LOAD CASE(S)** Standard

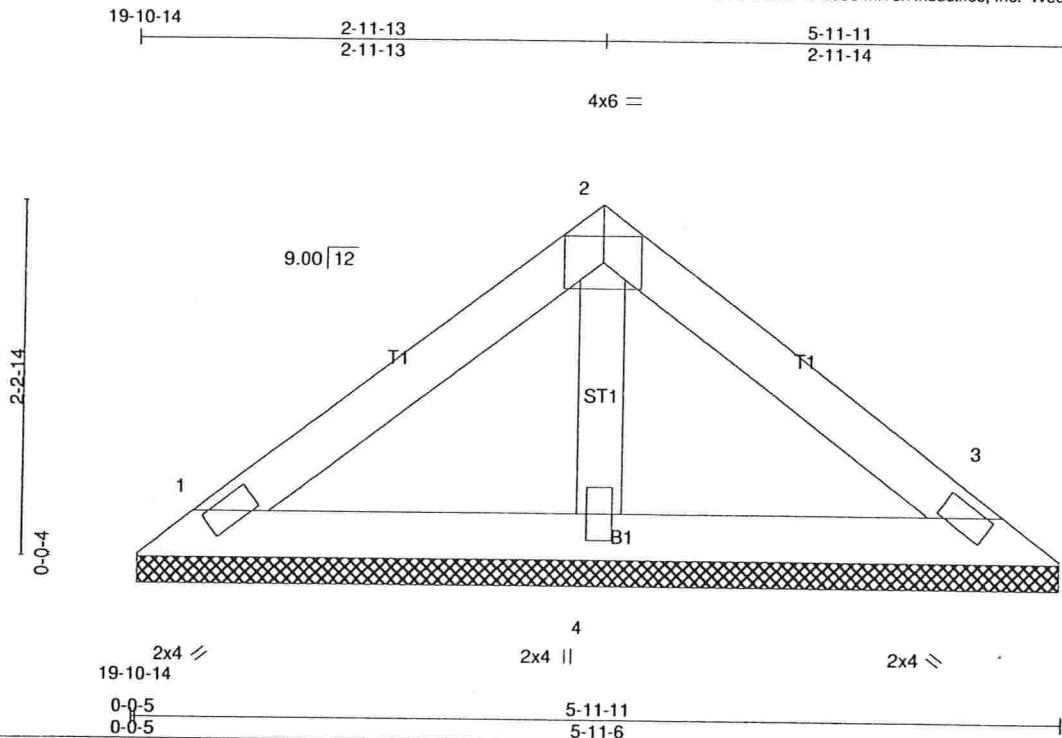


*[Signature]*

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|                                 |                     |                            |                 |                 |                            |
|---------------------------------|---------------------|----------------------------|-----------------|-----------------|----------------------------|
| Job<br><b>BAYBURY</b>           | Truss<br><b>V7X</b> | Truss Type<br><b>GABLE</b> | Qty<br><b>1</b> | Ply<br><b>1</b> | <b>BAYBURY_140_FLORIDA</b> |
| Maronda Homes Inc., Sanford, FL |                     |                            |                 |                 | Job Reference (optional)   |

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Scale = 1:14.1

| LOADING (psf) | SPACING              | CSI      | DEFL     | in   | (loc) | l/defl | L/d | PLATES        | GRIP    |
|---------------|----------------------|----------|----------|------|-------|--------|-----|---------------|---------|
| TCLL 16.0     | 2-0-0                | TC 0.12  | Vert(LL) | n/a  | -     | n/a    | 999 | MT20          | 244/190 |
| TCDL 7.0      | Plates Increase 1.25 | BC 0.06  | Vert(TL) | n/a  | -     | n/a    | 999 |               |         |
| BCLL 0.0      | Lumber Increase 1.25 | WB 0.02  | Horz(TL) | 0.00 | 3     | n/a    | n/a |               |         |
| BCDL 10.0     | Rep Stress Incr YES  | (Matrix) |          |      |       |        |     |               |         |
|               | Code FRC2007/TPI2002 |          |          |      |       |        |     |               |         |
|               |                      |          |          |      |       |        |     | Weight: 21 lb |         |

#### LUMBER

TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP No.2  
OTHERS 2 X 4 SYP No.3

#### BRACING

TOP CHORD Structural wood sheathing directly applied or 5-11-11 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

#### REACTIONS

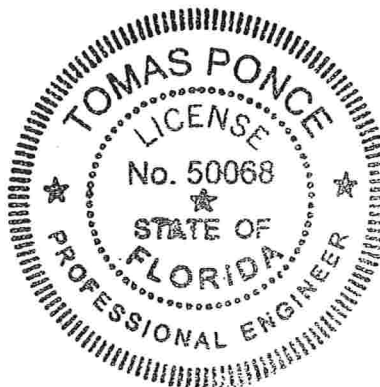
(lb/size) 1=92/0-1-8 (input: 5-11-1), 3=92/0-1-8 (input: 5-11-1), 4=152/0-1-8 (input: 5-11-1)  
Max Horz 1=-86(LC 4)  
Max Uplift 1=-54(LC 6), 3=-61(LC 7), 4=-25(LC 6)  
Max Grav 1=92(LC 1), 3=92(LC 1), 4=154(LC 2)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

#### NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-05; 140mph (3-second gust); TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Gable requires continuous bottom chord bearing.
- 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 100 lb uplift at joint(s) 1, 3, 4.

**LOAD CASE(S)** Standard



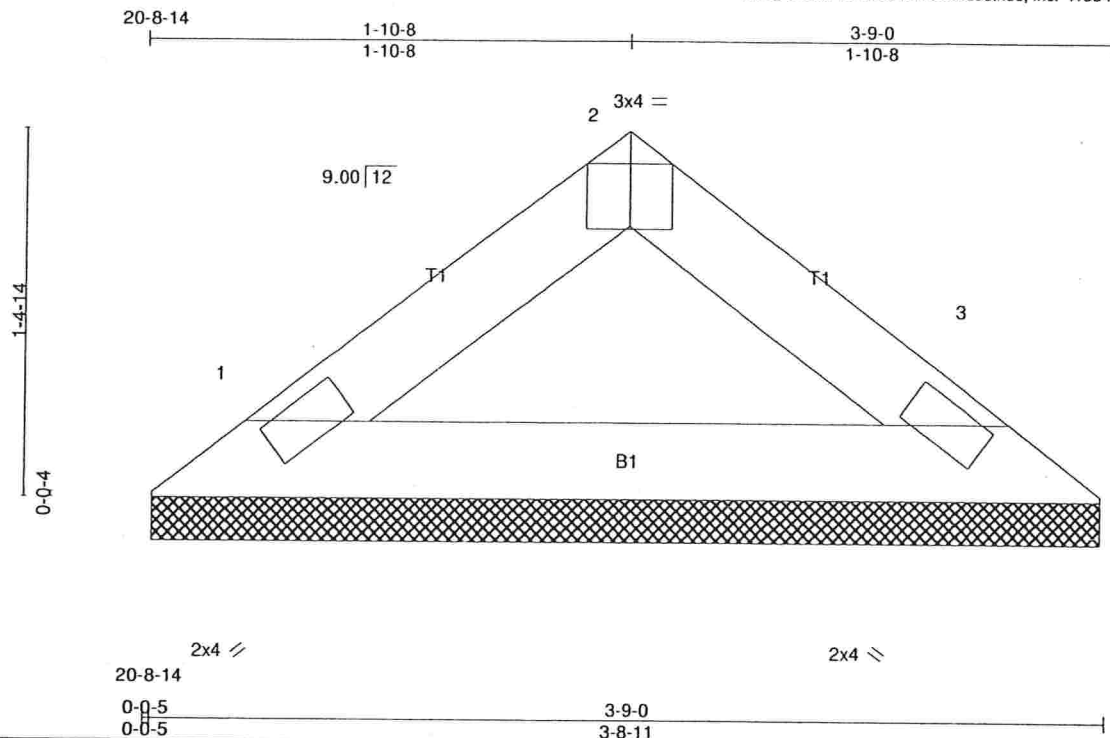
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|                       |                      |                             |                 |                 |                            |
|-----------------------|----------------------|-----------------------------|-----------------|-----------------|----------------------------|
| Job<br><b>BAYBURY</b> | Truss<br><b>V11X</b> | Truss Type<br><b>VALLEY</b> | Qty<br><b>1</b> | Ply<br><b>1</b> | <b>BAYBURY_140_FLORIDA</b> |
|-----------------------|----------------------|-----------------------------|-----------------|-----------------|----------------------------|

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Scale = 1:8.5

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

| LOADING (psf) | SPACING              | CSI      | DEFL     | in   | (loc) | l/defl | L/d | PLATES        | GRIP    |
|---------------|----------------------|----------|----------|------|-------|--------|-----|---------------|---------|
| TCLL 16.0     | 2-0-0                | TC 0.08  | Vert(LL) | n/a  | -     | n/a    | 999 | MT20          | 244/190 |
| TCDL 7.0      | Plates Increase 1.25 | BC 0.14  | Vert(TL) | n/a  | -     | n/a    | 999 |               |         |
| BCLL 0.0      | Lumber Increase 1.25 | WB 0.00  | Horz(TL) | 0.00 | 3     | n/a    | n/a |               |         |
| BCDL 10.0     | Rep Stress Incr YES  | (Matrix) |          |      |       |        |     |               |         |
|               | Code FRC2007/TPI2002 |          |          |      |       |        |     |               |         |
|               |                      |          |          |      |       |        |     | Weight: 11 lb |         |

#### LUMBER

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

#### BRACING

TOP CHORD Structural wood sheathing directly applied or 3-9-0 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

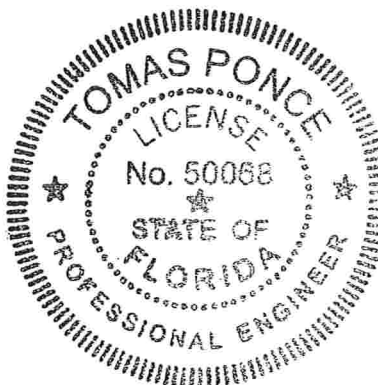
**REACTIONS** (lb/size) 1=95/0-1-8 (input: 3-8-6), 3=95/0-1-8 (input: 3-8-6)  
Max Horz 1=49(LC 4)  
Max Uplift 1=38(LC 6), 3=38(LC 7)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

#### NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-05; 140mph (3-second gust); TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Gable requires continuous bottom chord bearing.
- 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 100 lb uplift at joint(s) 1, 3.

**LOAD CASE(S)** Standard

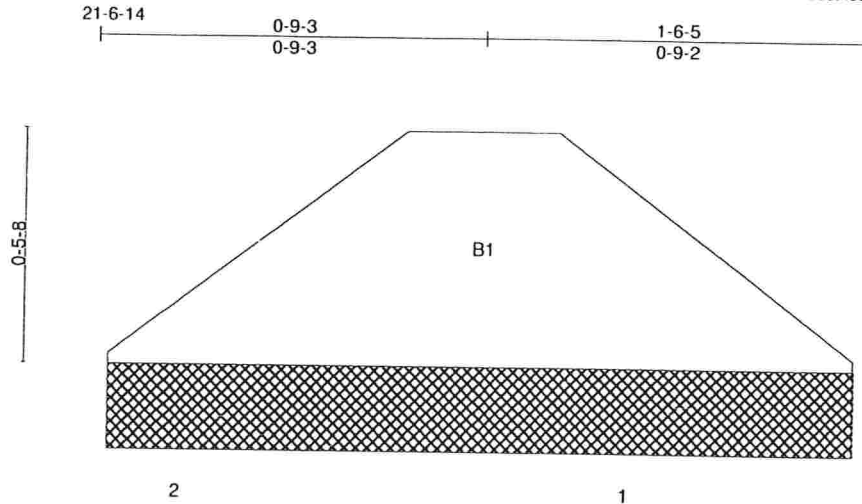


*[Signature]*

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|                                 |                      |                             |                 |                 |                            |
|---------------------------------|----------------------|-----------------------------|-----------------|-----------------|----------------------------|
| Job<br><b>BAYBURY</b>           | Truss<br><b>V12X</b> | Truss Type<br><b>VALLEY</b> | Qty<br><b>1</b> | Ply<br><b>1</b> | <b>BAYBURY_140_FLORIDA</b> |
| Maronda Homes Inc., Sanford, FL |                      |                             |                 |                 | Job Reference (optional)   |

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Scale = 1:4.4

21'-6-14

1'-6-0

1'-6-5  
0'-0-5

| LOADING (psf) | SPACING              | 2'-0'-0 | CSI      | DEFL     | in (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|---------|----------|----------|----------|--------|-----|--------|------|
| TCLL 16.0     | Plates Increase      | 0.90    | TC 0.00  | Vert(LL) | n/a      | -      | n/a | 999    |      |
| TCDL 7.0      | Plt. Metal Increase  | 0.90    | BC 0.00  | Vert(TL) | n/a      | -      | n/a | 999    |      |
| BCLL 0.0      | Lumber Increase      | 0.90    | WB 0.00  | Horz(TL) | 0.00     | -      | n/a | n/a    |      |
| BCDL 10.0     | Rep Stress Incr      | YES     | (Matrix) |          |          |        |     |        |      |
|               | Code FRC2007/TPI2002 |         |          |          |          |        |     |        |      |

Weight: 3 lb

#### LUMBER

BOT CHORD 2 X 6 SYP No.2

#### BRACING

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

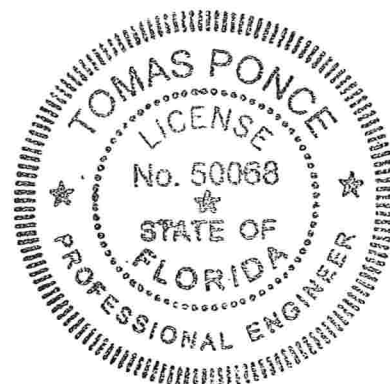
**REACTIONS** (lb/size) 2=9/0-1-8 (input: 1-5-11), 1=9/0-1-8 (input: 1-5-11)  
Max Grav2=18(LC 2), 1=18(LC 2)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

#### NOTES

- Gable requires continuous bottom chord bearing.
- 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.

**LOAD CASE(S)** Standard



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|                                                                            |            |     |     |                                            |
|----------------------------------------------------------------------------|------------|-----|-----|--------------------------------------------|
| Job                                                                        | Truss Type | Qty | Ply | BAYBURY 2-3CAR_FL                          |
| ELEV_2_3CAR                                                                | FLOOR      | 1   | 1   | ELEV 2 & 3 CAR<br>Job Reference (optional) |
| Maronda Homes Inc., Sanford, FL                                            |            |     |     |                                            |
| 7.110 s Dec 15 2008 MiTek Industries, Inc. Thu Feb 05 10:02:21 2009 Page 1 |            |     |     |                                            |

0-1-8 1-3-0

1-1-8 0-9-0 2-0-0 1-4-12

1-6-4 2-0-0 0-11-12 1-7-10 1-8

Scale = 1:61.4

|               |                      |          |                               |        |                |
|---------------|----------------------|----------|-------------------------------|--------|----------------|
| LOADING (psf) | SPACING              | CSI      | DEFL                          | PLATES | GRIP           |
| TCLL 40.0     | 2-0-0                | TC 0.88  | in (loc) l/defl L/d           | MT20   | 244/190        |
| TCDL 10.0     | Plates Increase 1.00 | BC 0.92  | Vert(LL) -0.26 37 >908 480    |        |                |
| BCLL 0.0      | Lumber Increase 1.00 | WB 0.67  | Vert(TL) -0.40 37-38 >592 360 |        |                |
| BCDL 5.0      | Rep Stress Incr NO   | (Matrix) | Horz(TL) 0.05 30 n/a n/a      |        |                |
|               | Code FBC2007/TP12002 |          |                               |        |                |
|               |                      |          |                               |        | Weight: 189 lb |

|                                                                                                       |                                                                                                                                                                                    |
|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>LUMBER</b><br>TOP CHORD 4 X 2 SYP No.2<br>BOT CHORD 4 X 2 SYP No.2 *Except*<br>WEBS 4 X 2 SYP No.3 | <b>BRACING</b><br>TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.<br>BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. |
|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**REACTIONS** (lb/size) 41=1364/0-1-8 (input: 0-6-6), 30=2191/0-1-8 (input: 0-3-8), 21=1260/0-1-8 (input: 0-7-10)  
 Max Grav 41=1403(LC 4), 30=2241(LC 2), 21=1379(LC 3)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**TOP CHORD** 41-42=-1403/0, 1-42=-1386/0, 1-2=-1007/0, 2-3=-2396/0, 3-4=-3200/0, 4-5=-3200/0, 5-6=-3392/0, 6-7=-3392/0, 7-8=-3392/0, 8-9=-2409/0, 9-10=-1067/367, 10-11=0/1496, 11-12=0/1944, 12-13=0/1944, 13-14=-676/1308, 14-15=-1392/831, 15-16=-1392/831, 16-17=-1193/741, 17-18=-403/765, 18-19=0/825

**BOT CHORD** 39-40=0/1847, 38-39=0/2925, 37-38=0/3419, 36-37=0/3392, 35-36=0/2936, 34-35=0/2936, 33-34=-99/1874, 32-33=-99/1874, 31-32=-662/232, 30-31=-2752/0, 29-30=-2752/0, 28-29=-1532/225, 27-28=-1112/1124, 26-27=-1112/1124, 25-26=-831/1392, 24-25=-831/1392, 23-24=-720/932, 22-23=-720/932, 21-22=-825/0, 20-21=-362/0, 19-20=-2197/0, 18-19=-290/0, 17-18=-827/0, 16-17=-1168/0, 15-16=0/1672, 14-15=-1581/0, 13-14=0/1227, 12-13=0/763, 11-12=0/1251, 10-11=-1187/0, 9-10=0/856, 8-9=-988/0, 7-8=-736/0, 6-7=-338/0, 5-6=-305/18, 4-5=-438/281, 3-4=-1188/0, 2-3=0/800, 1-2=-766/0, 13-28=0/799, 14-28=-755/0, 14-26=0/873, 17-22=-790/0, 17-24=-30/456, 16-24=-439/222, 8-36=0/974, 1-40=0/1200

**NOTES**

1) Unbalanced floor live loads have been considered for this design.

2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

3) CAUTION, Do not erect truss backwards.

4) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 462 lb down at 35-7-4, and 462 lb down at 0-3-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard

1) Floor: Lumber Increase=1.00, Plate Increase=1.00

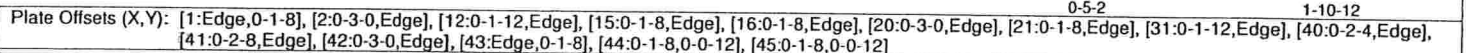
Uniform Loads (plf)

Vert: 20-41=-10, 1-19=-100

Concentrated Loads (lb)

Vert: 19=-462(F) 1=-462(F)

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| LUMBER    |                                                | BRACING   |                                                                                       |
|-----------|------------------------------------------------|-----------|---------------------------------------------------------------------------------------|
| TOP CHORD | 4 X 2 SYP No.2 *Except*<br>T1: 4 X 2 SYP No.1D | TOP CHORD | Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD | 4 X 2 SYP No.2                                 | BOT CHORD | Rigid ceiling directly applied or 6-0-0 oc bracing, Except:                           |
| WEBS      | 4 X 2 SYP No.3                                 |           | 10-0-0 oc bracing: 40-41,39-40,38-39,37-38.                                           |

**FORCES (lb)** - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**TOP CHORD**  
43-44=-338/1209, 1-44=-337/1207, 1-2=0/2503, 2-3=0/995, 3-4=-1328/0, 4-5=-1326/0,  
5-6=-2015/0, 6-7=-2200/0, 7-8=-2200/0, 8-9=-1812/5, 9-10=-864/443, 10-11=0/1432,  
11-12=0/1586, 12-13=-652/999, 13-14=-652/999, 14-15=-1273/729, 15-16=-1400/642,  
16-17=-1259/604, 17-18=-1259/604, 18-19=-466/724, 19-20=-466/724, 20-21=0/821

**BOT CHORD**  
41-42=-2503/0, 40-41=0/477, 39-40=0/1765, 38-39=0/2240, 37-38=0/2135,  
36-37=-196/1465, 35-36=-196/1465, 34-35=-718/235, 33-34=-2508/0, 32-33=-2508/0,  
31-32=-1189/187, 30-31=-839/1089, 29-30=-839/1089, 28-29=-642/1400, 27-28=-642/1400,  
26-27=-642/1400, 25-26=-638/952, 24-25=-638/952, 23-24=-821/0

**WEBS**  
2-41=0/2008, 3-41=-1910/0, 3-40=0/1430, 11-34=0/1433, 10-34=-1354/0, 10-35=0/992,  
9-35=-952/0, 9-37=0/593, 8-37=-559/0, 6-39=-313/50, 5-39=-15/349, 5-40=-662/0,  
11-32=0/1228, 12-32=-1161/0, 12-31=0/795, 14-31=-750/0, 14-29=0/466, 15-29=-496/0,  
20-24=0/949, 18-24=-752/0, 18-26=-36/491, 16-26=-329/284, 21-23=-983/0,  
2-42=-1602/0, 11-33=-2031/0, 20-23=-818/0, 4-40=-616/0, 4-42=-2780/0

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1207 lb uplift at joint 43.
- 3) Uplift for first LC exceeds limits
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) CAUTION, Do not erect truss backwards.
- 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 462 lb down at 0-2-4, and 462 lb down at 35-7-4, and 590 lb down at 6-0-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

1) Floor: Lumber Increase=1.00, Plate Increase=1.00



Continued on page 2



|                                 |       |            |     |     |                          |
|---------------------------------|-------|------------|-----|-----|--------------------------|
| Job                             | Truss | Truss Type | Qty | Ply | BAYBURY 2-3CAR_FL        |
| ELEV_2_3CAR                     | FB    | FLOOR      | 1   | 1   | ELEV BBR 2 & 3 CAR       |
| Maronda Homes Inc., Sanford, FL |       |            |     |     | Job Reference (optional) |

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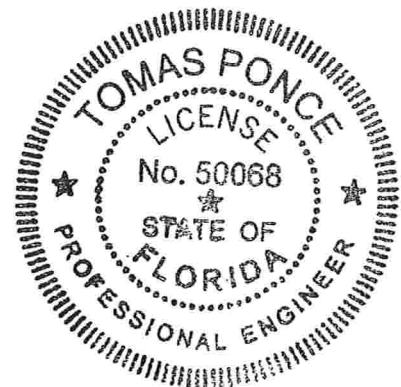
**LOAD CASE(S)** Standard

Uniform Loads (plf)

Vert: 22-43=-10, 1-21=-100

Concentrated Loads (lb)

Vert: 1=-462(F) 21=-462(F) 4=-590(F)



A handwritten signature in black ink, appearing to be "TP" or similar, located below the professional seal.

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|                                                                            |       |            |     |     |                          |
|----------------------------------------------------------------------------|-------|------------|-----|-----|--------------------------|
| Job                                                                        | Truss | Truss Type | Qty | Ply | BAYBURY 2-3CAR_FL        |
| ELEV_2_3CAR                                                                | FC    | FLOOR      | 9   | 1   | ELEV BBR 2 & 3 CAR       |
| Maronda Homes Inc., Sanford, FL                                            |       |            |     |     | Job Reference (optional) |
| 7.110 s Dec 15 2008 MiTek Industries, Inc. Thu Feb 05 10:02:27 2009 Page 1 |       |            |     |     |                          |

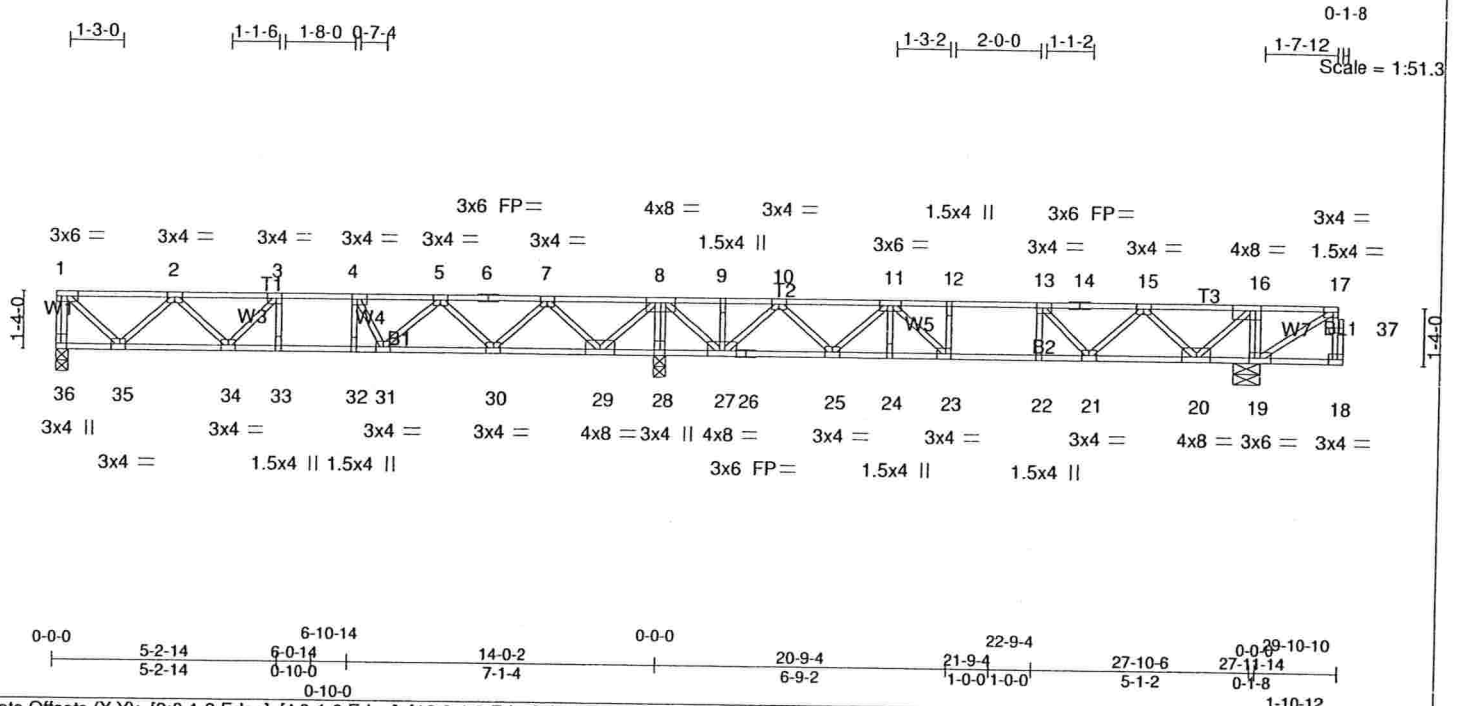


Plate Offsets (X,Y): [3:0-1-8,Edge], [4:0-1-8,Edge], [13:0-1-8,Edge], [16:0-3-0,Edge], [17:0-1-8,Edge], [23:0-1-8,Edge], [35:0-1-8,Edge], [36:Edge,0-1-8], [37:0-1-8,0-0-12]

| LOADING (psf)  | SPACING              | CSI      | DEFL                          | PLATES | GRIP    |
|----------------|----------------------|----------|-------------------------------|--------|---------|
| TCLL 40.0      | Plates Increase 1.00 | TC 0.54  | in (loc) l/defl L/d           | MT20   | 244/190 |
| TCDL 10.0      | Lumber Increase 1.00 | BC 0.70  | Vert(LL) -0.08 21-22 >999 480 |        |         |
| BCLL 0.0       | Rep Stress Incr NO   | WB 0.48  | Vert(TL) -0.10 32-33 >999 360 |        |         |
| BCDL 5.0       | Code FBC2007/TPI2002 | (Matrix) | Horz(TL) 0.02 19 n/a n/a      |        |         |
| Weight: 160 lb |                      |          |                               |        |         |

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

**BRACING**  
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 35-36,34-35,33-34,32-33,31-32.

**REACTIONS** (lb/size) 36=607/0-1-8 (input: 0-3-8), 19=1344/0-1-8 (input: 0-7-10), 28=1764/0-1-8 (input: 0-3-8)  
Max Grav 36=664(LC 4), 19=1399(LC 3), 28=1814(LC 2)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**TOP CHORD** 1-36=-658/0, 1-2=-630/0, 2-3=-1425/0, 3-4=-1639/0, 4-5=-1545/27, 5-6=-917/359, 6-7=-917/359, 7-8=0/909, 8-9=0/1021, 9-10=0/1021, 10-11=-885/574, 11-12=-1492/401, 12-13=-1492/401, 13-14=-1254/457, 14-15=-1254/457, 15-16=-427/667, 16-17=0/823

**BOT CHORD** 34-35=0/1179, 33-34=0/1639, 32-33=0/1639, 31-32=0/1639, 30-31=-179/1346, 29-30=-571/459, 28-29=-1795/0, 27-28=-1795/0, 26-27=-703/461, 25-26=-703/461, 24-25=-465/1303, 23-24=-465/1303, 22-23=-401/1492, 21-22=-401/1492, 20-21=-541/977, 19-20=-823/0

**WEBS** 8-27=0/1191, 10-27=-1032/0, 1-35=0/838, 2-35=-765/0, 2-34=-12/342, 3-34=-306/97, 10-25=0/665, 11-25=-632/0, 11-23=0/609, 8-29=0/1178, 7-29=-1109/0, 7-30=0/724, 5-30=-680/0, 5-31=0/449, 4-31=-512/0, 16-20=0/888, 15-20=-819/0, 15-21=0/477, 13-21=-478/0, 17-19=-985/0, 8-28=-1777/0, 16-19=-847/0, 4-32=-48/253

**NOTES**

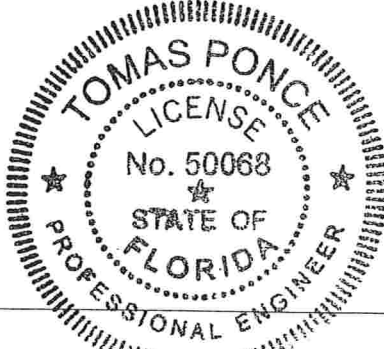
- 1) Unbalanced floor live loads have been considered for this design.
- 2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 3) CAUTION, Do not erect truss backwards.
- 4) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 462 lb down at 29-8-6 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard

- 1) Floor: Lumber Increase=1.00, Plate Increase=1.00

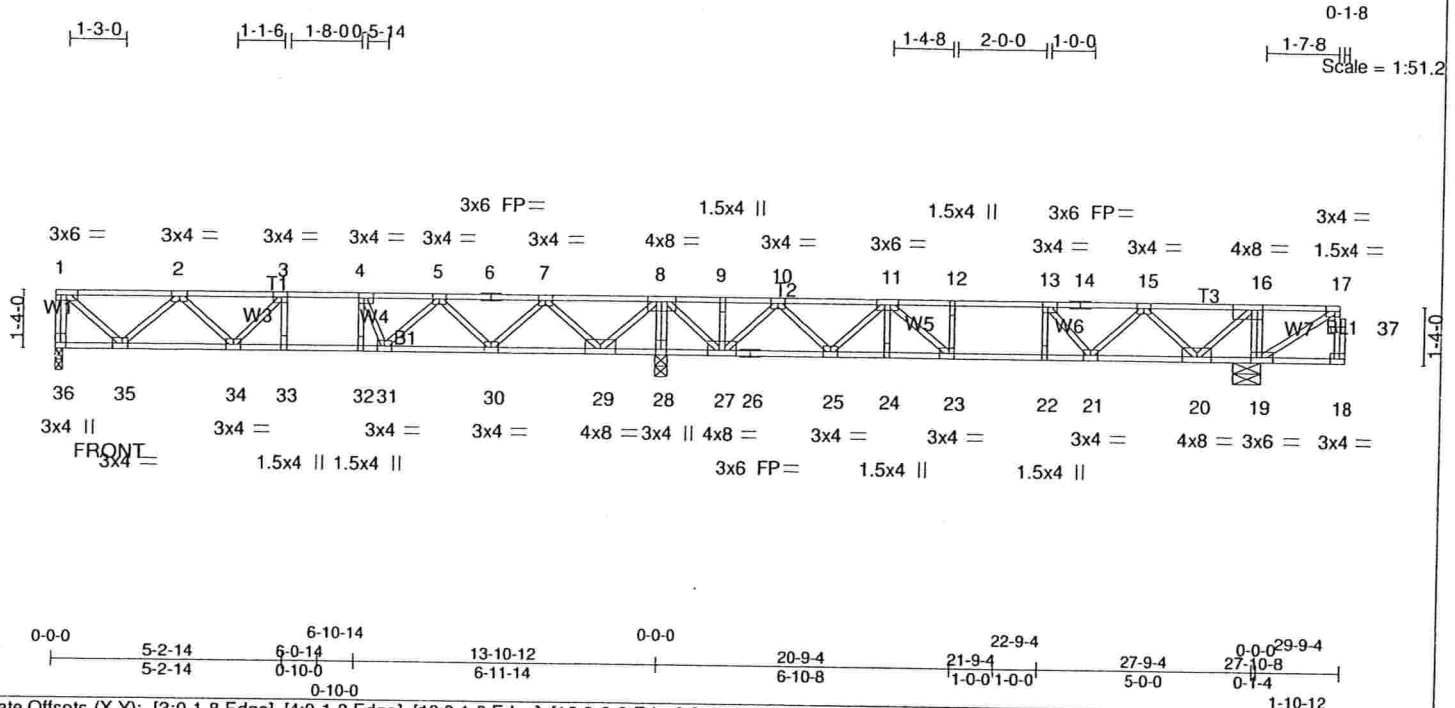
Uniform Loads (plf)  
Vert: 18-36=-10, 1-17=-100

Concentrated Loads (lb)  
Vert: 17=-462(F)



*[Signature]*

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|                      |                      |            |                               |                |             |
|----------------------|----------------------|------------|-------------------------------|----------------|-------------|
| <b>LOADING (psf)</b> | <b>SPACING</b>       | <b>CSI</b> | <b>DEFL</b>                   | <b>PLATES</b>  | <b>GRIP</b> |
| TCLL 40.0            | Plates Increase 1.00 | TC 0.54    | in (loc) l/defl L/d           | MT20           | 244/190     |
| TCDL 10.0            | Lumber Increase 1.00 | BC 0.73    | Vert(LL) -0.08 23-24 >999 480 |                |             |
| BCLL 0.0             | Rep Stress Incr NO   | WB 0.48    | Vert(TL) -0.10 23-24 >999 360 |                |             |
| BCDL 5.0             | Code FBC2007/TPI2002 | (Matrix)   | Horz(TL) 0.02 19 n/a n/a      |                |             |
|                      |                      |            |                               | Weight: 159 lb |             |

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

**BRACING**  
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 35-36,34-35,33-34,32-33,31-32.

**REACTIONS** (lb/size) 36=599/0-1-8 (input: 0-2-2), 19=1342/0-1-8 (input: 0-7-10), 28=1762/0-1-8 (input: 0-3-8)  
 Max Grav36=658(LC 4), 19=1395(LC 3), 28=1811(LC 2)

**FORCES (lb)** - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**TOP CHORD**  
 1-36=-653/0, 1-2=-623/0, 2-3=-1408/0, 3-4=-1612/0, 4-5=-1531/43, 5-6=-912/382, 6-7=-912/382, 7-8=0/922, 8-9=0/1017, 9-10=0/1017, 10-11=-870/556, 11-12=-1486/385, 12-13=-1486/385, 13-14=-1256/441, 14-15=-1256/441, 15-16=-428/654, 16-17=0/811

**BOT CHORD**  
 34-35=0/1168, 33-34=0/1612, 32-33=0/1612, 31-32=0/1612, 30-31=-201/1333, 29-30=-596/463, 28-29=-1797/0, 27-28=-1797/0, 26-27=-685/441, 25-26=-685/441, 24-25=-446/1294, 23-24=-446/1294, 22-23=-385/1486, 21-22=-385/1486, 20-21=-528/974, 19-20=-811/0

**WEBS**  
 1-35=0/830, 2-35=-758/0, 8-29=0/1172, 7-29=-1103/0, 7-30=0/716, 16-20=0/883, 17-19=-975/0, 2-34=-20/333, 3-34=-293/108, 5-30=-672/0, 5-31=0/462, 4-31=-543/0, 8-27=0/1195, 15-20=-814/0, 15-21=0/484, 13-21=-480/0, 10-27=-1034/0, 10-25=0/669, 11-25=-639/0, 11-23=0/595, 4-32=-41/294, 8-28=-1774/0, 16-19=-845/0

**NOTES**

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 36.
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 4) CAUTION, Do not erect truss backwards.
- 5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 462 lb down at 29-7-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard

1) Floor: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)  
 Vert: 18-36=-10, 1-17=-100

Concentrated Loads (lb)  
 Vert: 17=-462(F)

**TOMAS PONCE**  
 LICENSE  
 No. 50068  
 STATE OF  
 FLORIDA  
 PROFESSIONAL ENGINEER

**FEB 24 2009**

|                                 |                    |                            |                                                                            |                 |                                                                                       |
|---------------------------------|--------------------|----------------------------|----------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------|
| Job<br><b>ELEV_2_3CAR</b>       | Truss<br><b>FD</b> | Truss Type<br><b>FLOOR</b> | Qty<br><b>9</b>                                                            | Ply<br><b>1</b> | <b>BAYBURY 2-3CAR_FL</b><br><b>ELEV BBR 2 &amp; 3 CAR</b><br>Job Reference (optional) |
| Maronda Homes Inc., Sanford, FL |                    |                            | 7.110 s Dec 15 2008 MiTek Industries, Inc. Thu Feb 05 10:02:32 2009 Page 1 |                 |                                                                                       |

0-1-8

H 1-3-0

1-2-10 2-0-0 1-1-12

Scale = 1:36.5

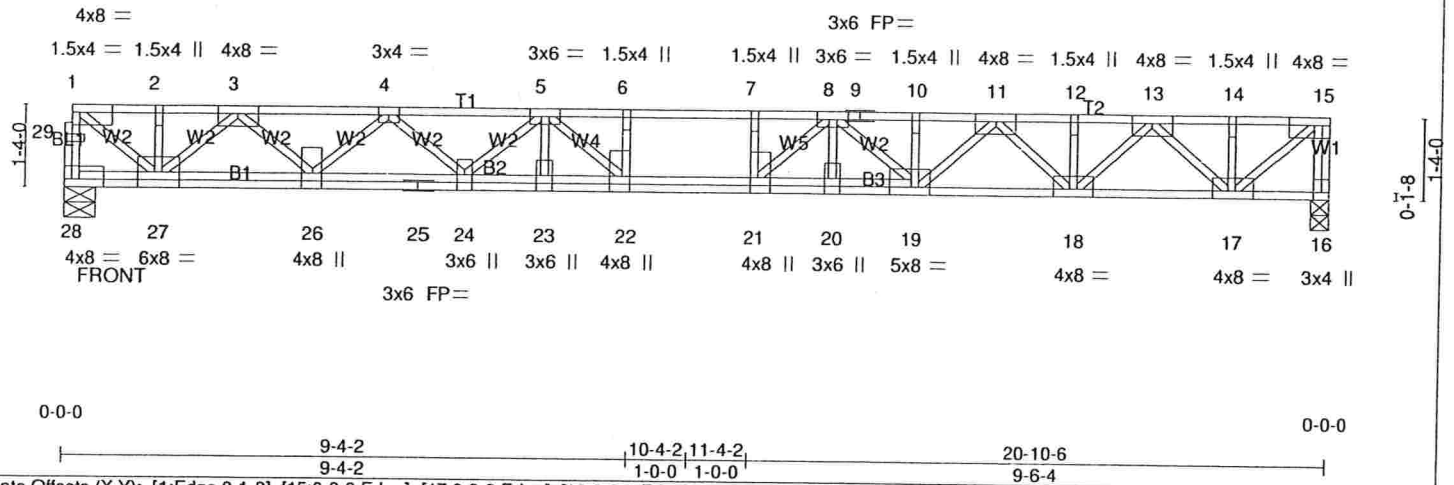


Plate Offsets (X,Y): [1:Edge,0-1-8], [15:0-3-0,Edge], [17:0-3-0,Edge], [19:0-2-4,Edge], [21:0-3-0,Edge], [22:0-3-0,Edge], [26:0-3-0,Edge], [28:Edge,0-1-8], [29:0-1-8,0-0-12]

| LOADING (psf)  | SPACING              | CSI      | DEFL                 | in (loc) | l/defl | L/d | PLATES | GRIP    |
|----------------|----------------------|----------|----------------------|----------|--------|-----|--------|---------|
| TCLL 40.0      | Plates Increase 1.00 | TC 0.61  | Vert(LL) -0.35 21-22 | >713     | 480    |     | MT20   | 244/190 |
| TCDL 10.0      | Lumber Increase 1.00 | BC 0.97  | Vert(TL) -0.54 21-22 | >456     | 360    |     |        |         |
| BCLL 0.0       | Rep Stress Incr NO   | WB 0.66  | Horz(TL) 0.07 16     | n/a      | n/a    |     |        |         |
| BCDL 5.0       | Code FBC2007/TPI2002 | (Matrix) |                      |          |        |     |        |         |
| Weight: 134 lb |                      |          |                      |          |        |     |        |         |

**LUMBER**

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

**BRACING**

TOP CHORD Structural wood sheathing directly applied or 5-5-11 oc purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS** (lb/size) 28=1588/0-1-8 (input: 0-6-6), 16=1135/0-1-8 (input: 0-3-8)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 28-29=-1580/0, 1-29=-1578/0, 15-16=-1128/0, 1-2=-1350/0, 2-3=-1350/0, 3-4=-3176/0, 4-5=-4372/0, 5-6=-5057/0, 6-7=-5057/0, 7-8=-5057/0, 8-9=-4489/0, 9-10=-4489/0, 10-11=-4496/0, 11-12=-3072/0, 12-13=-3072/0, 13-14=-1269/0, 14-15=-1269/0

BOT CHORD 26-27=0/2397, 25-26=0/3922, 24-25=0/3922, 23-24=0/4834, 22-23=0/4834, 21-22=0/5057, 20-21=0/4869, 19-20=0/4869, 18-19=0/3827, 17-18=0/2239

WEBS 1-27=0/1646, 15-17=0/1658, 3-27=-1389/0, 3-26=0/1057, 4-26=-1012/0, 4-24=0/610, 5-24=-613/0, 13-17=-1319/0, 13-18=0/1132, 11-18=-1024/0, 11-19=0/873, 5-22=-210/744, 8-19=-504/0, 8-21=-236/711

**NOTES**

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 3) CAUTION, Do not erect truss backwards.
- 4) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 462 lb down at 0-2-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard

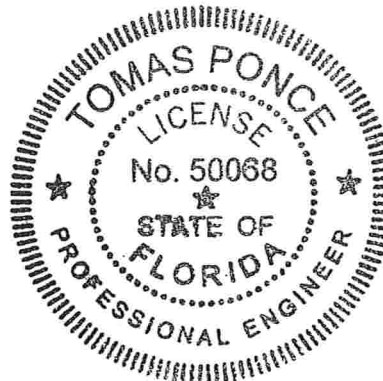
1) Floor: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 16-28=-10, 1-15=-100

Concentrated Loads (lb)

Vert: 1=-462(F)



*[Signature]*

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|                                 |                    |                            |                                                                            |                 |                                                                                       |
|---------------------------------|--------------------|----------------------------|----------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------|
| Job<br><b>ELEV_2_3CAR</b>       | Truss<br><b>FE</b> | Truss Type<br><b>FLOOR</b> | Qty<br><b>3</b>                                                            | Ply<br><b>1</b> | <b>BAYBURY 2-3CAR_FL</b><br><b>ELEV BBR 2 &amp; 3 CAR</b><br>Job Reference (optional) |
| Maronda Homes Inc., Sanford, FL |                    |                            | 7.110 s Dec 15 2008 MiTek Industries, Inc. Thu Feb 05 10:02:34 2009 Page 1 |                 |                                                                                       |

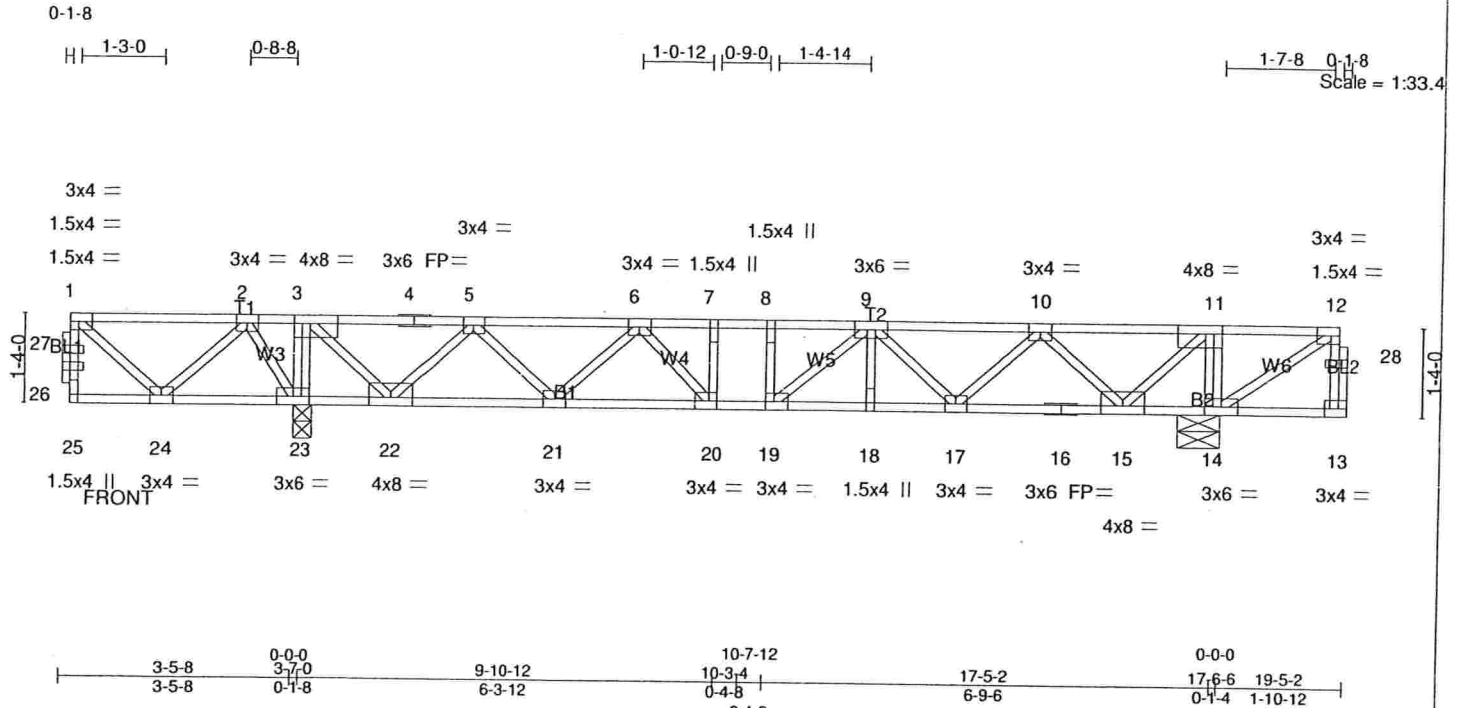


Plate Offsets (X,Y): [3:0-3-0,Edge], [11:0-3-0,Edge], [12:0-1-8,Edge], [19:0-1-8,Edge], [20:0-1-8,Edge], [26:0-1-8,0-0-12], [27:0-1-8,0-0-12], [28:0-1-8,0-0-12]

| LOADING (psf) | SPACING              | CSI      | DEFL                       | PLATES         | GRIP    |
|---------------|----------------------|----------|----------------------------|----------------|---------|
| TCLL 40.0     | 2-0-0                | TC 0.49  | in (loc) l/defl L/d        | MT20           | 244/190 |
| TCDL 10.0     | Plates Increase 1.00 | BC 0.51  | Vert(LL) -0.09 19 >999 480 |                |         |
| BCLL 0.0      | Lumber Increase 1.00 | WB 0.41  | Vert(TL) -0.12 19 >999 360 |                |         |
| BCDL 5.0      | Rep Stress Incr NO   | (Matrix) | Horz(TL) 0.03 14 n/a n/a   |                |         |
|               | Code FBC2007/TP12002 |          |                            |                |         |
|               |                      |          |                            | Weight: 109 lb |         |

|                          |                                                                                                 |
|--------------------------|-------------------------------------------------------------------------------------------------|
| <b>LUMBER</b>            | <b>BRACING</b>                                                                                  |
| TOP CHORD 4 X 2 SYP No.2 | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD 4 X 2 SYP No.2 | BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except:                           |
| WEBS 4 X 2 SYP No.3      | 10-0-0 oc bracing: 24-25.                                                                       |

**REACTIONS** (lb/size) 23=1151/0-1-8 (input: 0-3-8), 14=1071/0-1-8 (input: 0-7-10)  
Max Grav23=1161(LC 2), 14=1485(LC 3)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=0/516, 3-4=-601/347, 4-5=-601/347, 5-6=-1564/133, 6-7=-1982/84, 7-8=-1982/84, 8-9=-1982/84, 9-10=-1526/277, 10-11=-529/595, 11-12=0/812

BOT CHORD 22-23=-516/0, 21-22=-211/1224, 20-21=-85/1880, 19-20=-84/1982, 18-19=-159/1875, 17-18=-159/1875, 16-17=-413/1171, 15-16=-413/1171, 14-15=-812/0

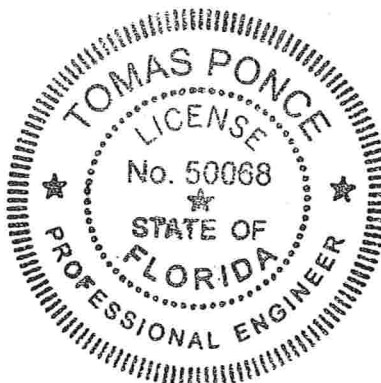
WEBS 3-23=-794/0, 11-14=-929/0, 3-22=0/987, 5-22=-916/0, 11-15=0/1026, 10-15=-959/0, 12-14=-975/0, 2-23=-473/0, 5-21=0/519, 6-21=-490/0, 6-20=-193/396, 10-17=0/573, 9-17=-550/0, 9-19=-181/469

#### NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 3) CAUTION, Do not erect truss backwards.
- 4) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 462 lb down at 19-2-14 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

#### LOAD CASE(S) Standard

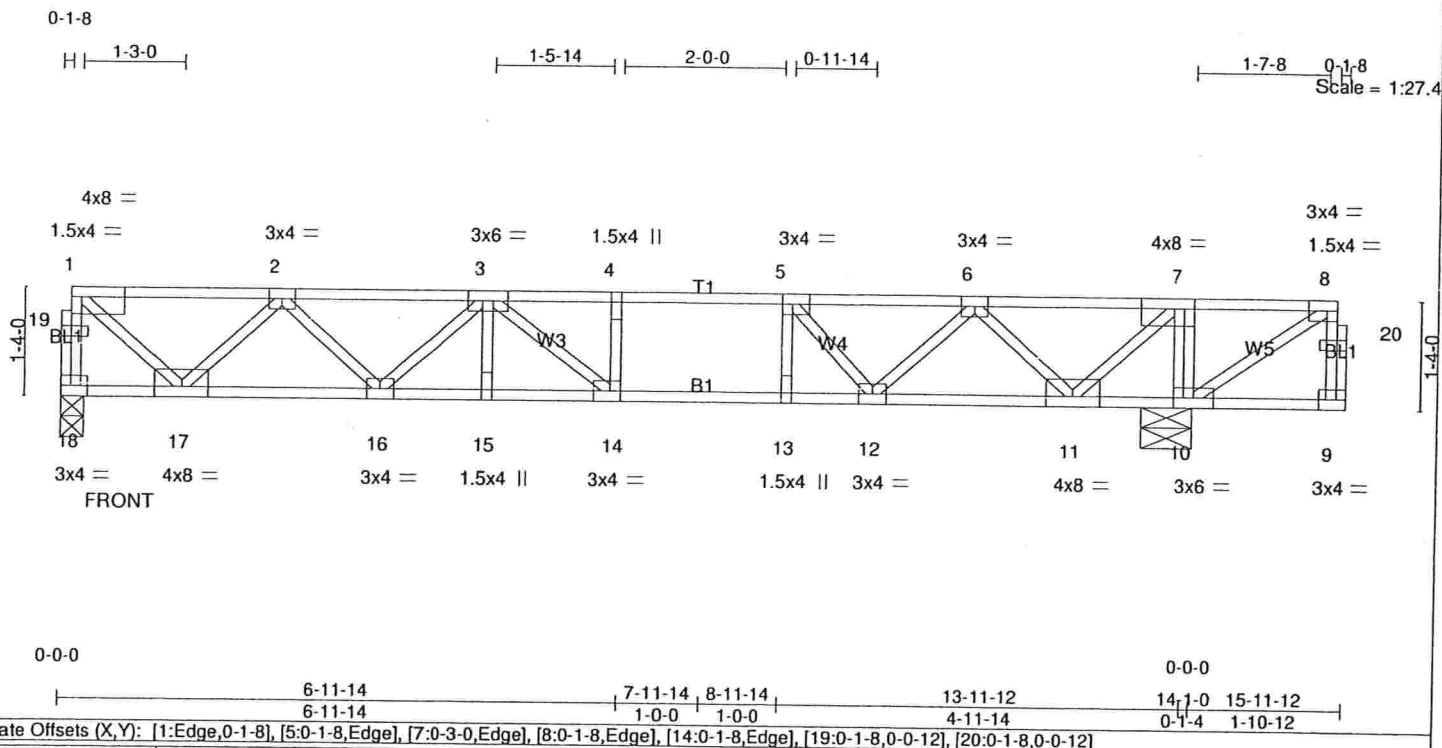
- 1) Floor: Lumber Increase=1.00, Plate Increase=1.00
- Uniform Loads (plf)  
Vert: 13-25=-10, 1-12=-100
- Concentrated Loads (lb)  
Vert: 12=-126(F)



*[Signature]*

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|                                 |                    |                            |                                                                            |                 |                                                                                       |
|---------------------------------|--------------------|----------------------------|----------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------|
| Job<br><b>ELEV_2_3CAR</b>       | Truss<br><b>FF</b> | Truss Type<br><b>FLOOR</b> | Qty<br><b>4</b>                                                            | Ply<br><b>1</b> | <b>BAYBURY 2-3CAR_FL</b><br><b>ELEV BBR 2 &amp; 3 CAR</b><br>Job Reference (optional) |
| Maronda Homes Inc., Sanford, FL |                    |                            | 7.110 s Dec 15 2008 MiTek Industries, Inc. Thu Feb 05 10:02:35 2009 Page 1 |                 |                                                                                       |



|                                                                                                                                            |                      |            |                               |               |             |
|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------|-------------------------------|---------------|-------------|
| Plate Offsets (X,Y): [1:Edge,0-1-8], [5:0-1-8,Edge], [7:0-3-0,Edge], [8:0-1-8,Edge], [14:0-1-8,Edge], [19:0-1-8,0-0-12], [20:0-1-8,0-0-12] |                      |            |                               |               |             |
| <b>LOADING</b> (psf)                                                                                                                       | <b>SPACING</b>       | <b>CSI</b> | <b>DEFL</b>                   | <b>PLATES</b> | <b>GRIP</b> |
| TCLL 40.0                                                                                                                                  | Plates Increase 1.00 | TC 0.73    | in (loc) l/defl L/d           | MT20          | 244/190     |
| TCDL 10.0                                                                                                                                  | Lumber Increase 1.00 | BC 0.87    | Vert(LL) -0.15 14-15 >999 480 |               |             |
| BCLL 0.0                                                                                                                                   | Rep Stress Incr NO   | WB 0.39    | Vert(TL) -0.22 14-15 >757 360 |               |             |
| BCDL 5.0                                                                                                                                   | Code FBC2007/TPI2002 | (Matrix)   | Horz(TL) 0.03 10 n/a n/a      |               |             |
| Weight: 86 lb                                                                                                                              |                      |            |                               |               |             |

|                           |                                                                                                 |
|---------------------------|-------------------------------------------------------------------------------------------------|
| <b>LUMBER</b>             | <b>BRACING</b>                                                                                  |
| TOP CHORD 4 X 2 SYP No.2  | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD 4 X 2 SYP No.1D | BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.                                   |
| WEBS 4 X 2 SYP No.3       |                                                                                                 |

**REACTIONS** (lb/size) 18=726/0-1-8 (input: 0-3-8), 10=1118/0-1-8 (input: 0-7-10)  
Max Grav 18=736(LC 2), 10=1173(LC 4)

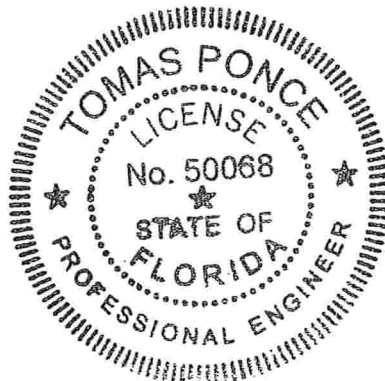
**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 18-19=-732/0, 1-19=-731/0, 1-2=-721/0, 2-3=-1670/0, 3-4=-1984/0, 4-5=-1984/0, 5-6=-1584/122, 6-7=-541/544, 7-8=0/808  
BOT CHORD 16-17=0/1346, 15-16=0/2007, 14-15=0/2007, 13-14=0/1984, 12-13=0/1984, 11-12=-327/1179, 10-11=-808/0  
WEBS 5-13=-12/334, 7-10=-906/0, 7-11=0/973, 8-10=-971/0, 1-17=0/928, 2-17=-870/0, 6-11=-890/0, 6-12=0/666, 5-12=-839/0, 2-16=0/450, 3-16=-458/0, 3-14=-406/297

#### NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 3) CAUTION, Do not erect truss backwards.
- 4) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 462 lb down at 15-9-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

#### LOAD CASE(S) Standard

- 1) Floor: Lumber Increase=1.00, Plate Increase=1.00  
Uniform Loads (plf)  
Vert: 9-18=-10, 1-8=-100  
Concentrated Loads (lb)  
Vert: 8=-126(F)



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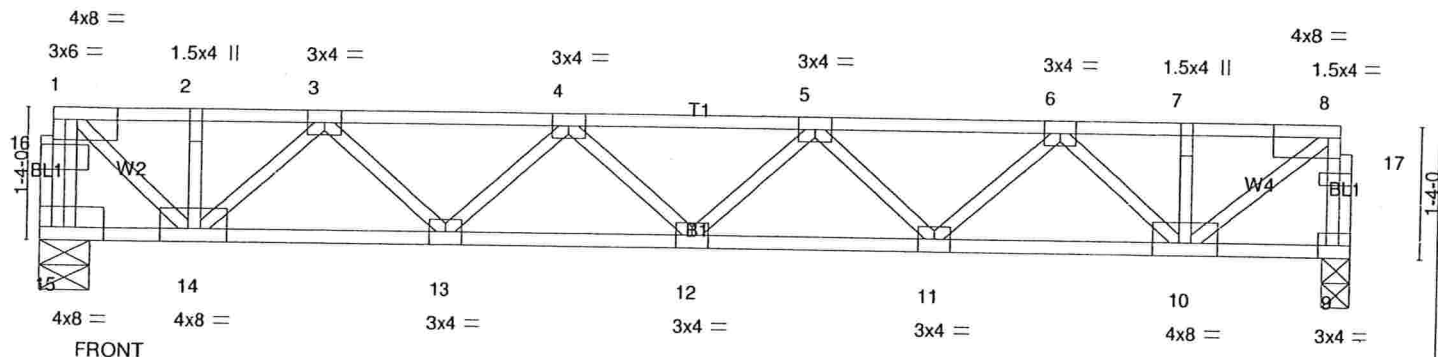
|                                 |                    |                            |                 |                 |                                                                                       |
|---------------------------------|--------------------|----------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------|
| Job<br><b>ELEV_2_3CAR</b>       | Truss<br><b>FG</b> | Truss Type<br><b>FLOOR</b> | Qty<br><b>4</b> | Ply<br><b>1</b> | <b>BAYBURY 2-3CAR_FL</b><br><b>ELEV BBR 2 &amp; 3 CAR</b><br>Job Reference (optional) |
| Maronda Homes Inc., Sanford, FL |                    |                            |                 |                 |                                                                                       |

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0-1-8

1-1-8 1-3-0

1-4-4 0-1-8  
Scale = 1:22.5



0-0-0

13-4-4

13-4-4

0-0-0

Plate Offsets (X,Y): [1:Edge,0-1-8], [8:0-1-8,Edge], [15:Edge,0-1-8], [16:0-1-8,0-1-8], [17:0-1-8,0-12]

| LOADING (psf) | SPACING              | CSI      | DEFL           | in | (loc) | I/defl | L/d | PLATES | GRIP          |
|---------------|----------------------|----------|----------------|----|-------|--------|-----|--------|---------------|
| TCLL 40.0     | Plates Increase 1.00 | TC 0.25  | Vert(LL) -0.07 | 12 | >999  | 480    |     | MT20   | 244/190       |
| TCDL 10.0     | Lumber Increase 1.00 | BC 0.49  | Vert(TL) -0.11 | 12 | >999  | 360    |     |        |               |
| BCLL 0.0      | Rep Stress Incr NO   | WB 0.41  | Horz(TL) 0.03  | 9  | n/a   | n/a    |     |        |               |
| BCDL 5.0      | Code FBC2007/TPI2002 | (Matrix) |                |    |       |        |     |        |               |
|               |                      |          |                |    |       |        |     |        | Weight: 75 lb |

|                          |                                                                                                 |
|--------------------------|-------------------------------------------------------------------------------------------------|
| <b>LUMBER</b>            | <b>BRACING</b>                                                                                  |
| TOP CHORD 4 X 2 SYP No.2 | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD 4 X 2 SYP No.2 | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.                                  |
| WEBS 4 X 2 SYP No.3      |                                                                                                 |

**REACTIONS** (lb/size) 15=1166/0-1-8 (input: 0-6-6), 9=719/0-1-8 (input: 0-3-8)

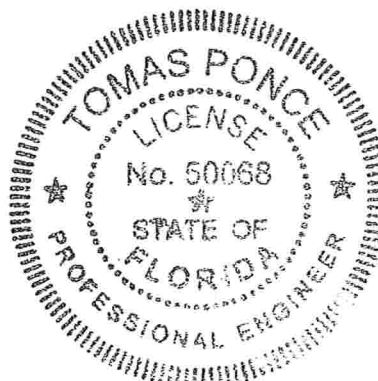
**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 15-16=-1165/0, 1-16=-1150/0, 9-17=-713/0, 8-17=-712/0, 1-2=-814/0, 2-3=-814/0, 3-4=-1662/0, 4-5=-1954/0, 5-6=-1668/0, 6-7=-828/0, 7-8=-828/0  
BOT CHORD 13-14=0/1357, 12-13=0/1941, 11-12=0/1944, 10-11=0/1365  
WEBS 3-14=-738/0, 3-13=0/425, 4-13=-387/0, 5-11=-384/0, 6-11=0/421, 6-10=-730/0, 8-10=0/1022, 1-14=0/943

#### NOTES

- 1) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 2) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 462 lb down at 0-3-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 3) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

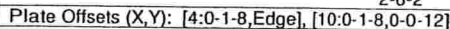
#### LOAD CASE(S) Standard

- 1) Floor: Lumber Increase=1.00, Plate Increase=1.00  
Uniform Loads (plf)  
Vert: 9-15=-10, 1-8=-100  
Concentrated Loads (lb)  
Vert: 1=-462(F)



*[Handwritten Signature]*

FEB 24 2009



Weight: 39 lb

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

(lb) - Max Grav All reactions 250 lb or less at joint(s) 5, 8 except 9=504(LC 2), 7=304(LC 1)

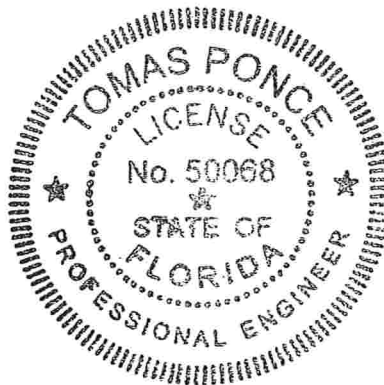
WEBS 2-7=-294/0

1) Unbalanced floor live loads have been considered for this design.

- 2) Refer to girder(s) for truss to truss connections.
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 4) CAUTION, Do not erect truss backwards.
- 5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 462 lb down at 0-2-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

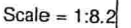
1) Floor: Lumber Increase=1.00, Plate Increase=1.00

- Uniform Loads (plf)  
Vert: 5-9=-10, 1-4=-100  
Concentrated Loads (lb)  
Vert: 1=-462(F)



FEB 24 2009





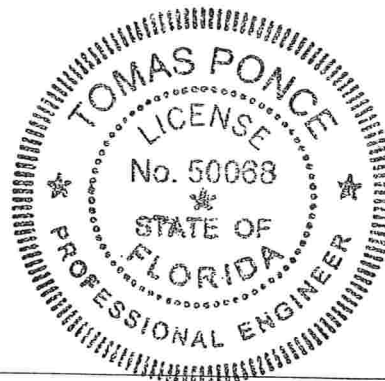
Weight: 26 lb

|           |                                                                                       |
|-----------|---------------------------------------------------------------------------------------|
| TOP CHORD | Structural wood sheathing directly applied or 4-0-8 oc purlins, except end verticals. |
| BOT CHORD | Rigid ceiling directly applied or 10-0-0 oc bracing.                                  |

TOP CHORD 1-6=-802/0  
WEBS 2-4=-270/0

- 1) Refer to girder(s) for truss to truss connections.
- 2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 3) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 597 lb down at 0-1-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

Uniform Loads (plf)  
Vert: 4-6=-10, 1-3=-100  
Concentrated Loads (lb)  
Vert: 1=-597(F)



FEB 24 2009

|                                 |                    |                            |                 |                 |                                                                                       |
|---------------------------------|--------------------|----------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------|
| Job<br><b>ELEV_2_3CAR</b>       | Truss<br><b>FI</b> | Truss Type<br><b>FLOOR</b> | Qty<br><b>1</b> | Ply<br><b>1</b> | <b>BAYBURY 2-3CAR_FL</b><br><b>ELEV BBR 2 &amp; 3 CAR</b><br>Job Reference (optional) |
| Maronda Homes Inc., Sanford, FL |                    |                            |                 |                 |                                                                                       |

7.110 s Dec 15 2008 MiTek Industries, Inc. Thu Feb 05 10:02:37 2009 Page 1

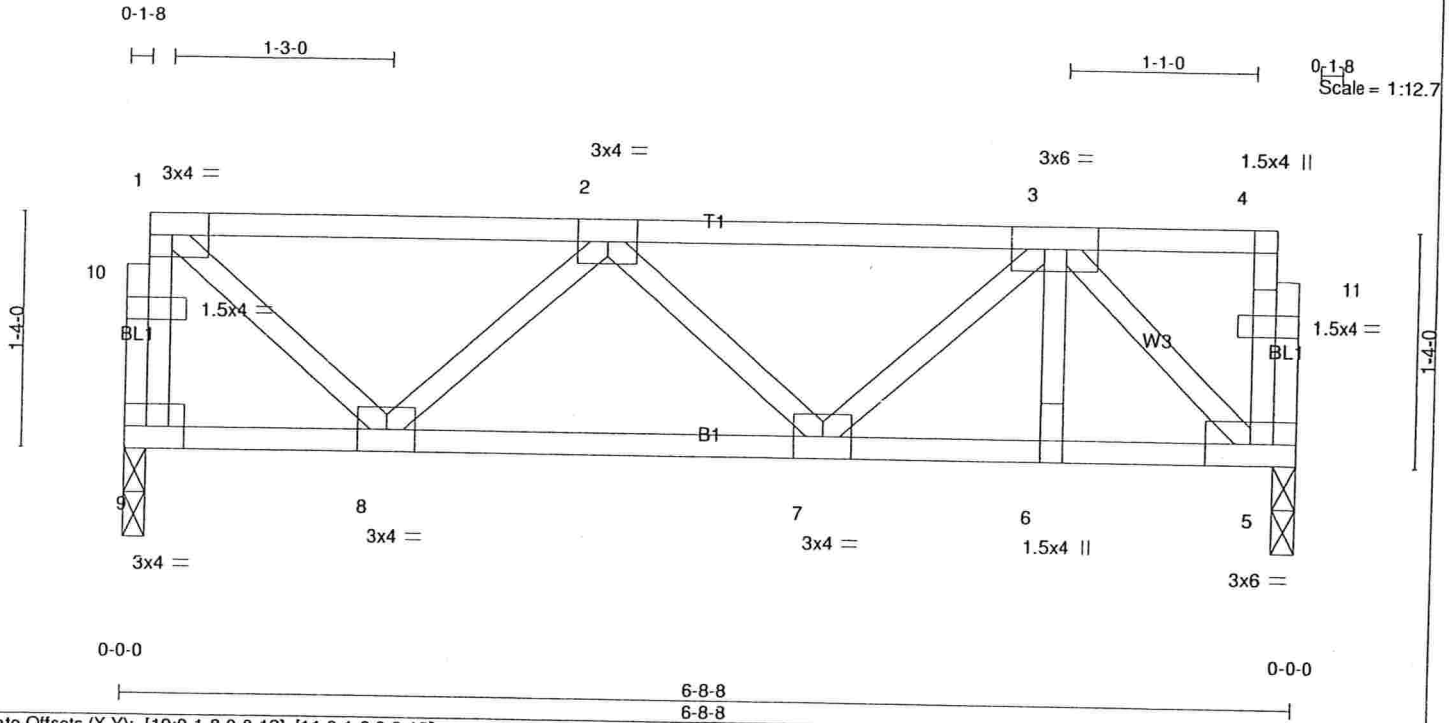


Plate Offsets (X,Y): [10:0-1-8,0-0-12], [11:0-1-8,0-0-12]

|                      |                      |            |                                 |               |             |
|----------------------|----------------------|------------|---------------------------------|---------------|-------------|
| <b>LOADING</b> (psf) | <b>SPACING</b> 2-0-0 | <b>CSI</b> | <b>DEFL</b> in (loc) l/defl L/d | <b>PLATES</b> | <b>GRIP</b> |
| TCLL 40.0            | Plates Increase 1.00 | TC 0.34    | Vert(LL) -0.01 7 >999 480       | MT20          | 244/190     |
| TCDL 10.0            | Lumber Increase 1.00 | BC 0.12    | Vert(TL) -0.01 7-8 >999 360     |               |             |
| BCLL 0.0             | Rep Stress Incr YES  | WB 0.14    | Horz(TL) 0.00 5 n/a n/a         |               |             |
| BCDL 5.0             | Code FBC2007/TPI2002 | (Matrix)   |                                 |               |             |
|                      |                      |            |                                 | Weight: 39 lb |             |

|                          |                                                                                                 |
|--------------------------|-------------------------------------------------------------------------------------------------|
| <b>LUMBER</b>            | <b>BRACING</b>                                                                                  |
| TOP CHORD 4 X 2 SYP No.2 | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD 4 X 2 SYP No.2 | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.                                  |
| WEBS 4 X 2 SYP No.3      |                                                                                                 |

**REACTIONS** (lb/size) 9=349/0-1-8 (input: 0-1-8), 5=349/0-1-8 (input: 0-1-8)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 9-10=-345/0, 1-10=-344/0, 1-2=-283/0, 2-3=-434/0

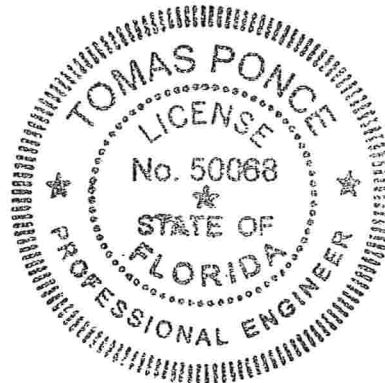
BOT CHORD 7-8=0/513, 6-7=0/329, 5-6=0/329

WEBS 1-8=0/360, 2-8=-320/0, 3-5=-451/0

#### NOTES

- 1) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 9, 5.
- 2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

**LOAD CASE(S)** Standard



*[Handwritten signature]*

FEB 24 2009

# COLUMBIA COUNTY DEPARTMENT OF BUILDING AND ZONING

## OCCUPANCY

COLUMBIA COUNTY, FLORIDA

### Department of Building and Zoning Inspection

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

Parcel Number 10-4S-16-02856-131

Building permit No. 000027942

Use Classification SFD, UTILITY

Fire: 77.00

Permit Holder TED BROCK

Waste: 201.00

Owner of Building MARONDA HOMES

Total: 278.00

Location: 330 SW MULBERRY DRIVE, LAKE CITY, FL

Date: 10/28/2009



Building Inspector

POST IN A CONSPICUOUS PLACE  
(Business Places Only)

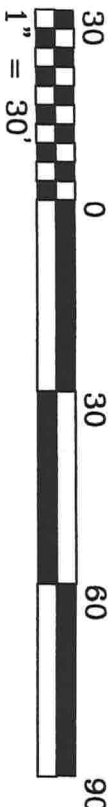


**LEGAL DESCRIPTION:**  
LOT THIRTY-ONE (31) OF "TIMBERLANDS" AS PER  
PLAT THEREOF, AS RECORDED IN PLAT BOOK '9',  
PAGE 27 OF THE PUBLIC RECORDS OF COLUMBIA  
COUNTY, FLORIDA



# PROPOSED BUILDING LAYOUT

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



## CERTIFIED TO:

- 1) MARONDA HOMES

## BUILDING SETBACK NOTE:

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

## BENCHMARK NOTE:

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

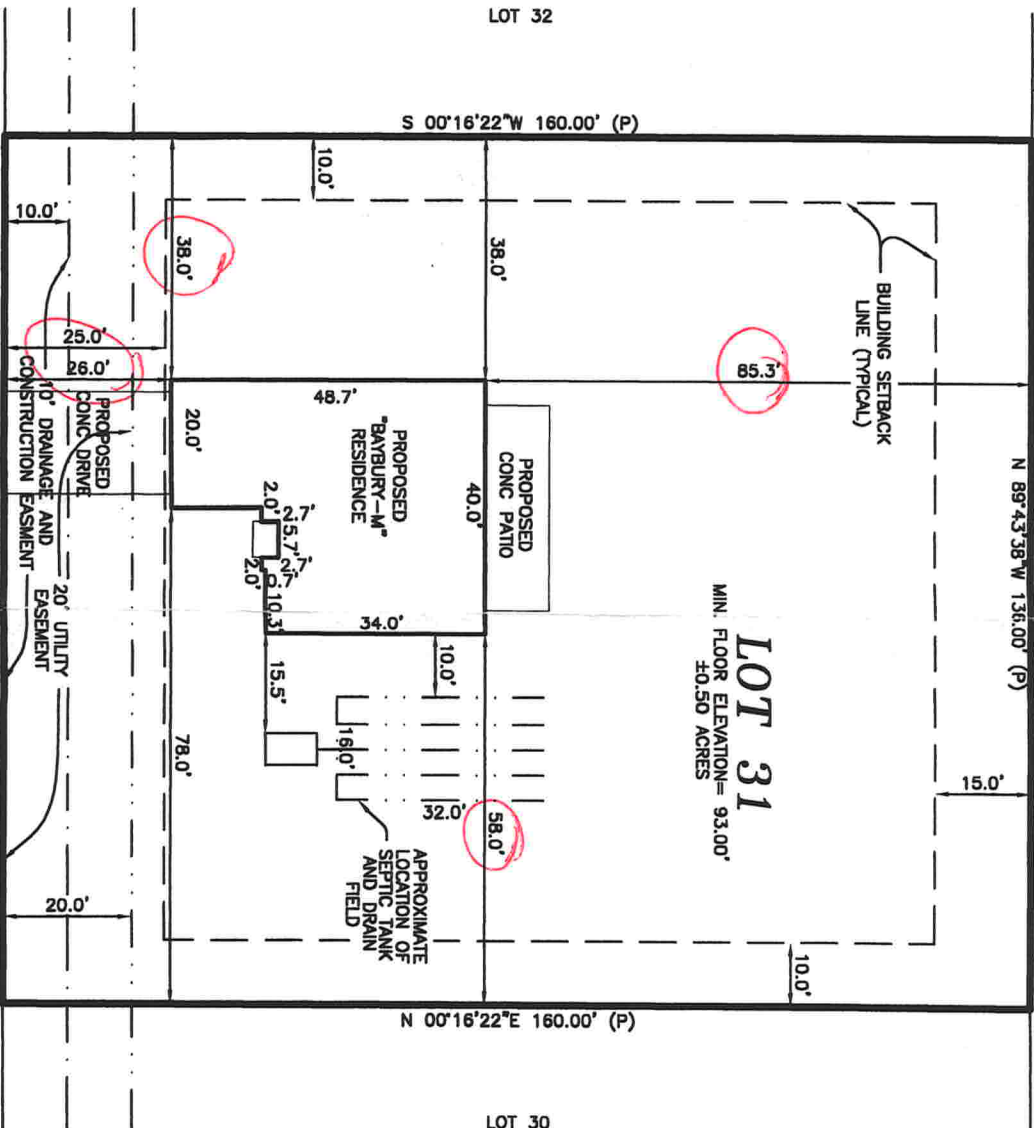
## SURVEYOR NOTES:

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

## FLOOD NOTE:

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

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



## TITLE NOTE:

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

## LEGEND:

- = FOUND 1/2" REBAR NO IDENTIFICATION
- = FOUND 1/2" REBAR & CAP
- LB. 6894
- = SET 1/2" REBAR & CAP
- LB. 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
- C/F = CHAIN LINK FENCE
- CM = CONCRETE MONUMENT
- CONC = CONCRETE
- ELEC = ELECTRIC
- ELEV = ELEVATION
- FND = FOUND
- FNC = FENCE
- LB = LICENSED SURVEYOR BUSINESS
- (M) = FIELD MEASURED
- MH = MANHOLE
- O.U. = OVERHEAD UTILITIES
- P = PLAT
- P.B. = PLAT BOOK
- P.U.E. = PUBLIC UTILITIES EASEMENT
- TRANS = TRANSFORMER
- TYP = TYPICAL
- WM = WATER METER
- WV = WATER VALVE

## THIS IS NOT A BOUNDARY SURVEY CERTIFICATE OF SURVEYOR.

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

I HEREBY CERTIFY THAT THE SURVEY DATA SHOWN HEREON, IS A  
TRUE AND CORRECT REPRESENTATION OF A SURVEY PERFORMED UNDER  
MY SUPERVISION OF THE HEREDON 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 61G17-8, FLORIDA ADMINISTRATIVE CODE.

BY: *[Signature]* JAMES E. BRINKMAN, PSM - FLA. CERT# 5582

DATE: 6/23/09

BRINKMAN SURVEYING & MAPPING INC.



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

SCALE: 1" = 30'

"THE BENCHMARK IN QUALITY SERVICE"

DRAWN BY: J.D.M.

DATE: 5/28/2009

CHECKED BY: J.B.

FIELD WORK COMPLETED ON \*\*\*\* FIELDBOOK \*\*, PAGE \*\*

PREPARED FOR: MARONDA

DRAWING NUMBER  
081-09

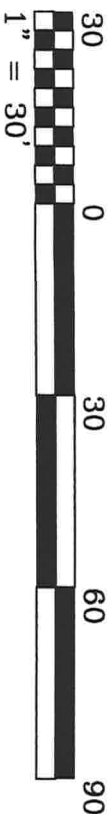


27942

**LEGAL DESCRIPTION:**  
LOT THIRTY-ONE (31) OF "TIMBERLANDS" AS PER PLAT THEREOF AS RECORDED IN PLAT BOOK '9', PAGE 27 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

# BOUNDARY SURVEY

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



**CERTIFIED TO:**

1) MARONDA HOMES

**BEARING NOTE:**

BEARINGS SHOWN HEREON ARE REFERRED TO AN ASSUMED VALUE OF S. 89°43'38" W., FOR THE CENTERLINE OF S.W. MULBERRY DRIVE.

**BUILDING SETBACK NOTE:**

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

**BENCHMARK NOTE:**

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

**SURVEYOR NOTES:**

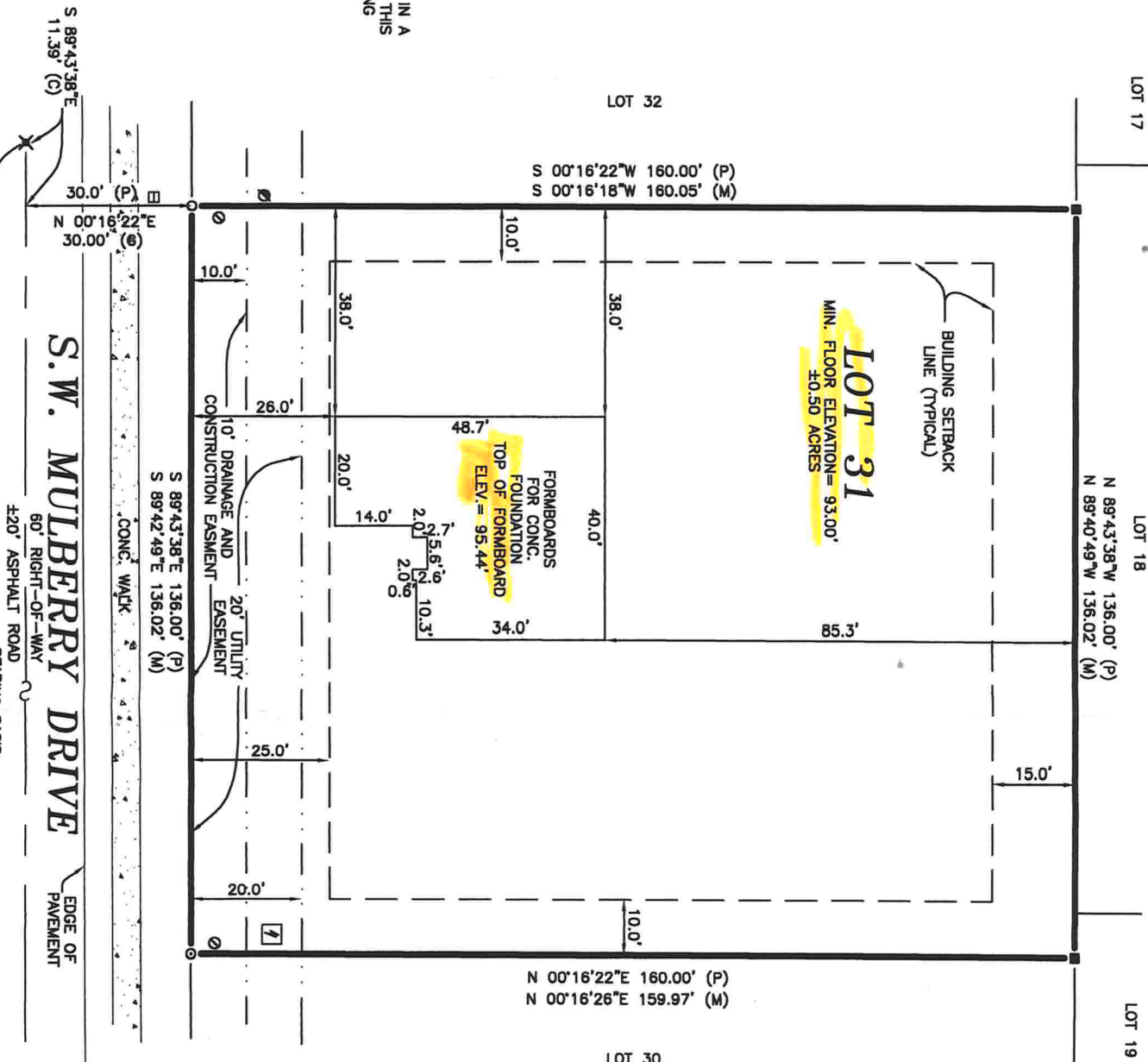
- 1) TO THE BEST OF MY KNOWLEDGE, THERE ARE NO ENCROACHMENTS, BOUNDARY LINE DISPUTES, EASEMENTS, OR CLAIMS OF EASEMENTS, OTHER THAN ARE DEPICTED ON THIS DRAWING.
- 2) ALL UTILITIES AND OR IMPROVEMENTS, IF ANY, MAY NOT BE SHOWN ON THIS DRAWING.
- 3) IN THE OPINION OF THIS SURVEYOR THE BOUNDARY SHOWN HEREON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

**FLOOD NOTE:**

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

**TITLE NOTE:**

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



**LEGEND:**

- = FOUND 1/2" REBAR & CAP  
L.B. 6894
- = SET 1/2" REBAR & CAP  
L.B. 6894
- = FOUND 4" X 4" CONC. MON.  
P.S.M. 5757
- ✕ = FOUND NAIL & DISK  
P.S.M. 5757
- ⊖ = CATV RISER
- ⊖ = TELEPHONE HANDHOLE
- ⊖ = FIBERGLASS LIGHT POLE
- ⊖ = ELECTRIC TRANSFORMER

**ABBREVIATIONS:**

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

**CERTIFICATE OF SURVEYOR:**

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

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

BY: JAMES E. BRINKMAN, P.S.M. - FLA. CERT# 5582  
DATE: 7/30/09



**BRINKMAN SURVEYING & MAPPING INC.**

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

SCALE: 1" = 30'

"THE BENCHMARK IN QUALITY SERVICE"

DATE: 7/30/2009

DRAWN BY: J.D.M.  
CHECKED BY: J.B.

FIELD WORK COMPLETED ON 7/24/2009 FIELDBOOK 101, PAGE 76

PREPARED FOR: MARONDA

DRAWING NUMBER  
081-09





# HOMETEAM

PEST DEFENSE®

Casey

## TREATMENT WORKORDER

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

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

|                 |  |                   |      |
|-----------------|--|-------------------|------|
| DATE CALLED IN: |  | DATE OF SCHEDULE: | 8-5  |
| TIME CALLED IN: |  | TIME SCHEDULE:    | 9:00 |

|                  |                     |                |            |
|------------------|---------------------|----------------|------------|
| JOB NAME:        | Maconda             | SUBDIVISION:   | Timbeelaar |
| JOB ADDRESS:     | 330 SW Mulberry Dr. |                |            |
| BILLING NAME:    |                     | BILLING PHONE: |            |
| BILLING ADDRESS: |                     |                |            |
| CALLED IN BY:    | PHONE:              | PERMIT NUMBER: | 27942      |

LOT & MODEL NUMBER: Lot 31

DATE & TIME COMPLETED: 8/5/09 9:25am

SQUARE FOOT: 1962 LINEAR FOOT: BLOCKVOIDS:

SLAB TYPE: MONO TYPE OF FILL: sand/dirt

APPROX. DEPTH OF FOOTING: Outside: Inside:

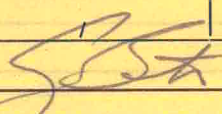
☐ Addition ☐ Spot Treat ☐ Pool Addition ☐ Driveway

☐ Final/Completion ☐ Other

PESTICIDE USED: Imaxx Pro TOTAL APPLIED: 100ga

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

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

X  X TECHNICIAN: Casey

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