

DATE 07/13/2009

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT

000027942

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 DRIVE LAKE CITY FL 32024
CONTRACTOR TED BROCK PHONE 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, UTILITY ESTIMATED COST OF CONSTRUCTION 162600.00
HEATED FLOOR AREA 2827.00 TOTAL AREA 3252.00 HEIGHT STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 5/12 FLOOR SLAB
LAND USE & ZONING RSF-2 MAX. HEIGHT 26
Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00
NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 10-4S-16-02856-131 SUBDIVISION TIMBERLANDS
LOT 31 BLOCK PHASE UNIT TOTAL ACRES 0.50

000001739 CBC1256382
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
CULVERT 09-337 BK WR Y
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 date/app. by Foundation date/app. by Monolithic date/app. by
Under slab rough-in plumbing date/app. by Slab date/app. by Sheathing/Nailing date/app. by
Framing date/app. by Insulation date/app. by
Rough-in plumbing above slab and below wood floor date/app. by Electrical rough-in date/app. by
Heat & Air Duct date/app. by Peri. beam (Lintel) date/app. by Pool date/app. by
Permanent power date/app. by C.O. Final date/app. by Culvert date/app. by
Pump pole date/app. by Utility Pole date/app. by M/H tie downs, blocking, electricity and plumbing date/app. by
Reconnection date/app. by RV date/app. by Re-roof date/app. by

BUILDING PERMIT FEE \$ 815.00 CERTIFICATION FEE \$ 16.26 SURCHARGE FEE \$ 16.26
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ 25.00 TOTAL FEE 947.52

INSPECTORS OFFICE CLERKS OFFICE

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

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

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

1001552

31/1

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

Septic Permit No. _____

Fax (904) 332-6375Name Authorized Person Signing Permit TEO BROCK / ROGER BONIFANT Phone (904) 296-1490Address 6800 SOUTH POINT PKWY #300 JAX. FL 32216Owners Name MARONDA HOMES INC. OF FL Phone 904-296-1490911 Address 330 SW MULBERRY DR. LAKE CITY FL 32024Contractors Name THEODORE C. BROCK Phone 904-296-1490Address 6800 SOUTHPOINT PKWY #300 JAX. FL 32216Fee Simple Owner Name & Address N/ABonding Co. Name & Address N/AArchitect/Engineer Name & Address THOMAS PONCE 4005 MARONDA WAY, SANFORDMortgage Lenders Name & Address BANK OF AMERICA FL, 32771250 PARK AVE. S #400 WINTER PARK FL 32789Circle the correct power company - FL Power & Light Clay Elec. Suwannee Valley Elec. - Progress EnergyProperty ID Number 10-45-16-02856-131 Estimated Cost of Construction \$126,810Subdivision Name TIMBERLANDS Lot 31/ Block Unit Phase 1Driving Directions HWY 90, LEFT ON 247 SOUTH, RIGHT ON 252 B, LEFT ONTIMBER RIDGE DR. TURN LEFT ON TO SW MULBERRYDR. 8th LOT ON RIGHT Number of Existing Dwellings on Property 0Construction of RESIDENTIAL SINGLE FAMILY Total Acreage 0.5 Lot Size 136x160Do 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

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

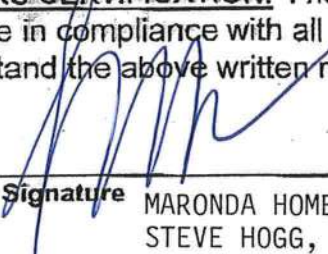
According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects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

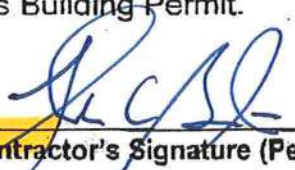
YOU ARE HEREBY NOTIFIED as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes 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.

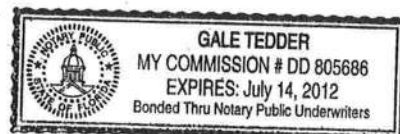
Contractor's Signature (Permitee)  6.25.09
THEODORE BROCK

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

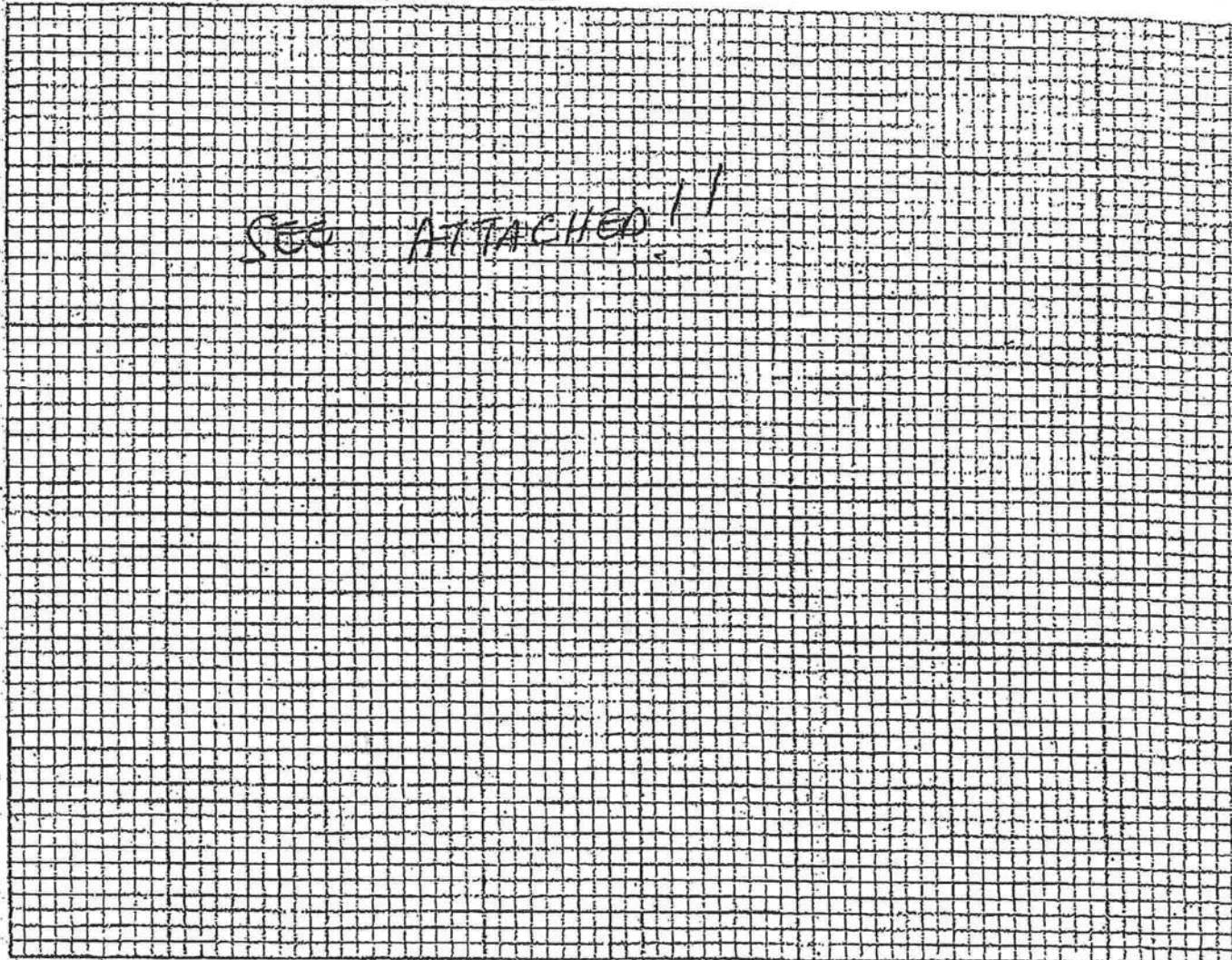
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number

D9-0337

PART II - SITE PLAN

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



Notes:

* Site Plan submitted by: [Signature]

Signature

* 6-18-09

Title

Plan Approved X

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 PLAT THEREOF, AS RECORDED IN PLAT BOOK "9", PAGE 27 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA

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



1) WARONDA HOMES

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

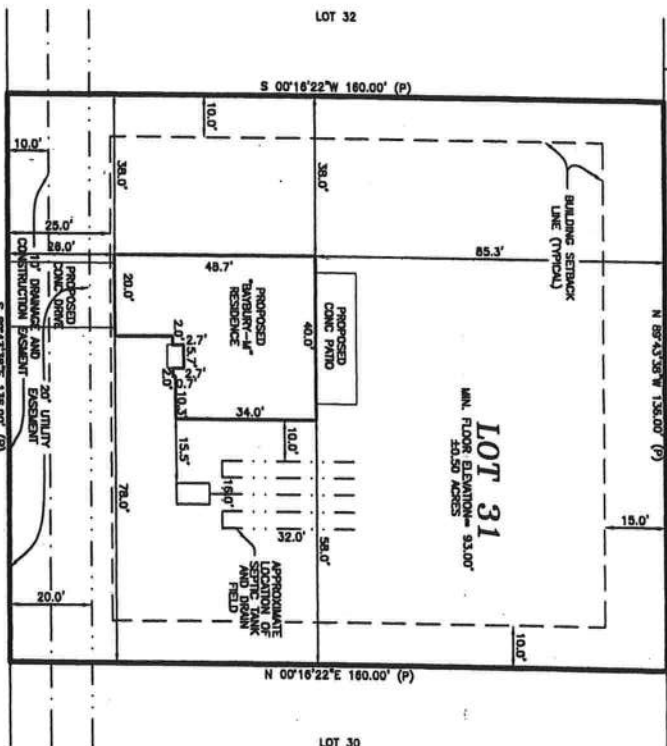
ELEVATIONS SHOWN HEREON ARE BASED UPON A BENCHMARK SET IN A 6" PINE AT THE FRONT OF LOT 2, WITH AN ELEVATION OF 98.76'. THIS INFORMATION WAS PROVIDED TO THIS SURVEYOR BY BROTT SURVEYING (PLATTING SURVEYOR) DATUM UNKNOWN.

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 LINES AND OR APPROVEDMENTS, IF ANY, MAY NOT BE SHOWN ON THIS DRAWING.
- 3) IN THE OPINION OF THIS SURVEYOR THE LOCATION SHOWN HEREON BEST REPRESENTS THE LOCATION OF THE SUBJECT PROPERTY IN RELATION TO THE ADJACENT LOTS. THE SURVEYOR HAS CONDUCTED A VISUAL INSPECTION AND FOUND IT TO BE ACCEPTABLE TO THIS SURVEYOR.
- 4) BUILDING, STORM, LANDS DEPicted HEREON ARE SHOWN AS PER THE RECORD PLAT, HEREON ARE SUBJECT TO CHANGE. PRIOR TO ANY NEW CONSTRUCTION, THE SURVEYOR MUST BE CONSULTED FOR ANY CHANGES TO BE CONDUCTED FOR THE CURRENT SURVEY. REDEMPTIONS.
- 5) THIS MAP OF SURVEY REFLECTS CONTOURS LOCATED AS OF THE DATE OF FIELD WORK COMPLETION (SEE TITLE BLOCK).
- 6) ASSAYS OF ENVIRONMENTAL CONCERN HAVE NOT BEEN LOCATED BY THIS SURVEYOR, UNLESS OTHERWISE DEPICTED HEREON.

IN THE OPINION OF THIS SURVEYOR, ACCORDING TO THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATING MAP COMMUNITY PANEL NO. 1200707-0175-4, DATED 1-6-88, THIS PROPERTY IS IN FLOOD ZONE "X" WHICH IS A FLOOD DETERMINED TO BE OUTSIDE 500-YEAR FLOOD PLAIN, AS SCALD FROM SUD RAP. INFORMATION FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) 1200707-0175-4, DATED 1-6-88, IS BEING SUBMITTED WITH THIS MAP. REVISIONS AND AMENDMENTS ARE PERIODICALLY MADE BY LETTER AND MAY NOT BE REFLECTED ON THE MOST CURRENT MAP.

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 FOR ANY CLAIMS OF 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.



S.W. MULBERRY DRIVE
EST. 1967-1985

●	FOUNDED 1/2" REBAR NO IDENTIFICATION	MC	AIR CONDITIONER
○	FOUNDED 1/2" REBAR & CAP	MS	OR OBTAINED FROM MEASURED
○	LB. 6894	CVB	CABLE TELEVISION
○	SET 1/2" REBAR & CAP	CB	CABLE
○	LB. 6894	CM	CONCRETE BLOCK
○	FOUNDED 3/4" IRON PIPE	CM	CONCRETE MORTARMENT
■	NO IDENTIFICATION	CONC	CONCRETE
■	FOUNDED 4" x 4" CONC. MON.	ELEC	ELECTRIC
■	NO IDENTIFICATION	ELEV	ELEVATION
□	SET 4" x 4" CONC. MON.	FL	FLOOR
□	P.S.M. 5582	FR	FRIDGE
×	SET NAIL & DISK P.S.M. 5582	LB	LICENSED SURVEYOR BUSINESS
×	FOUNDED NAIL & DISK	LI	LIQUID
■	FOUNDED 6" x 6" S.R.L.	MANHOLE	MANHOLE UTILITIES
■	FR. MON.	MS	MATERIALS
■	CONV RISER	PAV	PAVEMENT
■	TELEPHONE PEDESTAL	PB	PUBLIC UTILITIES DEPARTMENT
■	WOOD POWER POLE	POL	POLICE
		TP	TYPICAL
		TP	TYPICAL
		W	WATER
		WV	WATER VALVE

[illegible]

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 HERON DESCRIBED PROPERTY, AND IT MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE BOARD OF LAND SURVEYORS, PURSUANT TO SECTION 472.027, FLORIDA STATUTES, AND CHAPTER 61G-24, FLORIDA ADMINISTRATIVE CODE.

DAVIDS E. BRINDMAN; PSM - FLA. CERT# 55682
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	MARCONDA				
		DRAWING NUMBER			
		MS-00			

Columbia CHD

APPROVED

ATTN: 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: 6283.00

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 ~~\$100,000~~ 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 warrants unto said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2007, reservations, restrictions and easements of record, if any.

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

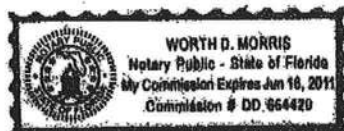
BY:

ROBERT R. LARDIZABAL, PRESIDENT

STATE OF FLORIDA
 COUNTY OF DUVAL

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

My Commission Expires:



Worth D. Morris
 Printed Name: WORTH D. MORRIS
 Notary Public
 Serial Number



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Rough Openings For Doors

By [Mike Merisko](#) ☆Article Word Count: 435 [\[View Summary\]](#) [Comments \(0\)](#)

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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

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>

Article Source: [http://EzineArticles.com/?expert=Mike Merisko](http://EzineArticles.com/?expert=Mike_Merisko)

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13. [Replacing the Garage Door](#)
14. [Door Hinges - Quality Equals Longevity](#)
15. [Improve the Entrance of Your Home](#)

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Article Submitted On: August 13, 2006

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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 (ft²) 2827

7. Windows	Description	Area
a. U-Factor:	Dbl, U=0.60	246.00 ft ²
SHGC:	SHGC=0.32	
b. U-Factor:	N/A	ft ²
SHGC:		
c. U-Factor:	N/A	ft ²
SHGC:		
d. U-Factor:	N/A	ft ²
SHGC:		
e. U-Factor:	N/A	ft ²
SHGC:		

8. Floor Types	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	1232.00 ft ²
b. Floor over Garage	R=19.0	410.00 ft ²
c. other	R=	80.00 ft ²

9. Wall Types	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	1328.00 ft ²
b. Concrete Block - Int Insul, Exterior	R=4.1	976.00 ft ²
c. Frame - Wood, Adjacent	R=13.0	192.00 ft ²
d. N/A	R=	ft ²

10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=30.0	1722.00 ft ²
b. N/A	R=	ft ²
c. N/A	R=	ft ²

11. Ducts
 a. Sup: Attic Ret: Interior AH: Interior Sup. R= 6, 400 ft²

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.

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

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

OWNER/AGENT: *KENNETH WAYNE CAMPBELL*
 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 Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
_____	None	None			ft²		

DUCTS

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

TEMPERATURES

Programable Thermostat: Y		Ceiling Fans:											
Cooling	☒ Jan	☒ Feb	☒ Mar	☒ Apr	☒ May	☒ Jun	☒ Jul	☒ Aug	☒ Sep	☒ Oct	☒ Nov	☒ Dec	
Heating	☒ Jan	☒ Feb	☒ Mar	☒ Apr	☒ May	☒ Jun	☒ Jul	☒ Aug	☒ Sep	☒ Oct	☒ Nov	☒ Dec	
Venting	☒ Jan	☒ Feb	☒ Mar	☒ Apr	☒ May	☒ Jun	☒ Jul	☒ Aug	☒ Sep	☒ Oct	☒ Nov	☒ Dec	
Thermostat Schedule: HERS 2006 Reference													
Schedule Type		1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM PM	78 80	78 80	78 78	78 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78	80 78
Cooling (WEH)	AM PM	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78
Heating (WD)	AM PM	66 68	66 68	66 68	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	68 66
Heating (WEH)	AM PM	66 68	66 68	66 68	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	68 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. 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. 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. 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. 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 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 ²
3. Number of units, if multiple family	2		b. Concrete Block - Int Insul, Exterior	R=4.1	976.00 ft ²
4. Number of Bedrooms	4		c. Frame - Wood, Adjacent	R=13.0	192.00 ft ²
5. Is this a worst case?	Yes		d. N/A	R=	ft ²
6. Conditioned floor area (ft ²)	2827		10. Ceiling Types	Insulation	Area
7. Windows**	Description	Area	a. Under Attic (Vented)	R=30.0	1722.00 ft ²
a. U-Factor:	Dbl, U=0.60	246.00 ft ²	b. N/A	R=	ft ²
SHGC:	SHGC=0.32		c. N/A	R=	ft ²
b. U-Factor:	N/A	ft ²	11. Ducts		
SHGC:			a. Sup: Attic Ret: Interior AH: Interior Sup. R= 6, 400 ft ²		
c. U-Factor:	N/A	ft ²	12. Cooling systems (combined)		
SHGC:			a. Central Unit	Cap: 65 kBtu/hr	
d. U-Factor:	N/A	ft ²		SEER: 14	
SHGC:			13. Heating systems (combined)		
e. U-Factor:	N/A	ft ²	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 ²	a. Electric	Cap: 50 gallons	
b. Floor over Garage	R=19.0	410.00 ft ²		EF: 0.93	
c. other	R=	80.00 ft ²	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: THADONE BROS

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 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)	2088 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	28347 Btuh

Infiltration

Method	Simplified	
Construction quality	Average	
Fireplaces	0	
	Heating	Cooling
Area (ft ²)	1232	1232
Volume (ft ³)	9856	9856
Air changes/hour	0.45	0.23
Equiv. AVF (cfm)	74	38

Heating Equipment Summary

Make	TEMPSTAR
Trade	HEATPUMP
Model	N4H330AKA

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

Sensible Cooling Equipment Load Sizing

Structure	18206 Btuh
Ducts	5331 Btuh
Central vent (50 cfm)	967 Btuh
Blower	0 Btuh
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

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	935 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.



Right-Suite Residential 6.0.119 RSR21115

C:\Program Files\Wrightsoft HVAC\Man J Calcs 2007\2009 JACKSONVILLE\BAYBURY 1ST FLOOR.rpt Calc =

2009-Apr-05 14:32:43
Page 1

Project Information

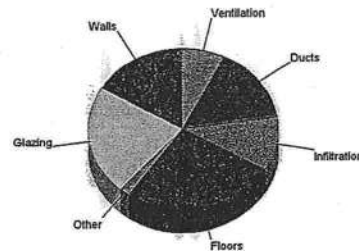
For: BAYBURY 1ST FLOOR

Design Conditions

Location:		Indoor:		Heating	Cooling
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
Outdoor:		Heating	Cooling		
Dry bulb (°F)		32	93		
Daily range (°F)		-	18 (M)		
Wet bulb (°F)		15.0	77		
Wind speed (mph)		15.0	7.5		
		Infiltration:			
		Method		Simplified	
		Construction quality		Average	
		Fireplaces		0	

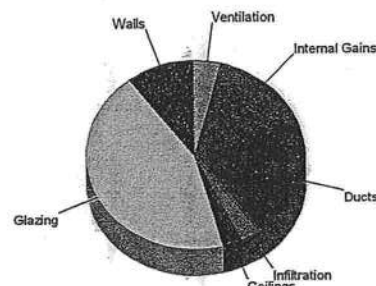
Heating

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	
Total		28347	100.0



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	
Total		24504	100.0



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 ²)	1595	1595
Volume (ft ³)	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	0 Btuh @ 47°F
Heating output	0 °F
Temperature rise	935 cfm
Actual air flow	0.038 cfm/Btuh
Air flow factor	0.60 in H2O
Static pressure	
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 H2O
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

C:\Program Files\Wrightsoft HVAC\Man J Calcs 2007\2009 JACKSONVILLE\BAYBURY 2ND FLOOR.rpt Calc =

2009-Apr-05 14:39:36

Page 1

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

Inst:200912011561 Date:7/13/2009 Time:11:32 AM

BC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1176 P:2540

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

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

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
b) Telephone No.: 407 660-4422 Fax No. (Opt.): 407 660-4708 32751
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

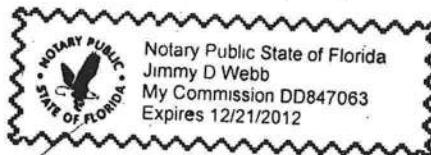
10. _____
Signature of Owner or Owner's Authorized Officer/Director/Partner/Manager
MARONDA HOMES INC. OF FLORIDA
Print Name STEVE HOGG, V.P.

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.)

FIELD DENSITY WORKSHEET

CLIENT MARONDA HOMES 9TMO3101 DATE 24 JULY 08
LAKE CITY
 PROJECT NAME TIMBERLAHOS LOT #31 PROJECT NO. _____
 EARTH CONTRACTOR 330 SW MULBERRY DR. PERMIT NO. #27942
 COMPACTION REQUIREMENT (%) 95% ☐ Standard Proctor TESTED BY JWL
☒ Modified Proctor FIELD CONTACT _____
 TOTAL ON-SITE TIME _____ MILES FROM OFFICE _____
☐ Limerock ☐ Subgrade ☐ Pipe Backfill ☒ Building Pad ☒ Building Footing ☐ Other _____

TEST LOCATION	LAB PROCTOR		TEST DEPTH	PROBE DEPTH	% MOIST.	WET DENSITY (PCF)	DRY DENSITY (PCF)	% COMP.
	DENS.	OMC						
CTR. OF PAD	105.8	10.7	FL	12"	3.4	107.9	104.3	98.6
CTR. OF E.FTG	2	2	2	2	6.8	107.8	100.9	95.4
CTR. OF H.FTG	2	2	2	2	6.2	107.9	101.6	96.0

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

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

SEE ATTACHED



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

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

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

Contractor or Contractor's Authorized Agent Signature

Print Name

Date

Location

Permit # (FOR STAFF USE ONLY)

02/02/04 – 2 of 2

Website: www.stlpermits.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:

LIVIBERLUMAS

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.



Category/Subcategory	Manufacturer	Product Description	Limitation of Use	State #	Local #
A. EXTERIOR DOORS					
1. Swinging	Plastpro Inc./ Nanya Plastics Corp.	Fiberglass Dr Single Fiberglass Dr w/ Sidelite Fiberglass Dr w/ Dbl Sidelite 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 FL 6184.3 FL 6184.5 FL 6729.1	
2. Sliding	Simonton Windows Florida Extruders	Sliding Glass Doors	500 72x80 SGD-R45 Milestone 1000 SGD	FL 5979.1 FL 8409.2	
3. Sectional					
4. Roll Up	Wayne Dalton Corp.	Garage Doors 130 10'-16' 9110/5102 8'-9' Garage Doors 140 10'-16' 9110/5102 8'-9'	As indicated in evaluation report and installation drawings. Not to be used in HVHZ	FL 9174.3 FL 9174.1 FL 9174.6 FL 9174.5	
B. WINDOWS					
1. Single Hung	Florida Extruders	Milestone Series 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 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 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					
C. PANEL WALL					
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	
D. ROOFING PRODUCTS					
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 Butimen					
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	
E. SHUTTERS					
1. Storm Panels					

F. STRUCTURAL COMPONENTS

1. Wood Connectors/Anchors	United Steel Products	Anchors, Hangers, etc Structural Components Wood Connectors	Subject to limitation and installation instructions specified in NOA 05- 0105-05.	565-R3, 567- R3, 568-R2, 569-R3, 570- R2, 571-R2, 574-R2, 576- R3, 578-R2, 815-R1, 816- R1, 817-R1, 819-R1, 820- R2, 821-R1, 822-R1, 859- R4, 1247-R1, 2033-R2, 4928-R1, 5631-R1, 9835-R1, 10739, 11664, 11748, 11838, 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 Psbox8 (5-5/8)	Limits shall not exceed the affordable design load and spans. The lintels shall not be uses in a fire resistance rated assembly. A proper barrier is required when using corrosive lumber products in contact with the steel lintels. Not for use in HVHZ Miami or Broward counties at this time		
G. Skylights					
1. Skylights					
2. Other					
H. New Exterior Envelope Products					
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 manufacture'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:
Cell Phone Number:

(904) 296-1490

Fax Number:

(904) 332-6375

E-Mail Address:

© 1987 US
Friedberg, Dreyer
213C

- ## Installation Instructions

- [illegible]



- Zip-68 cut drywall and then -
caulk (preferred) or mud
- Butt baseboard to rim and
back-cut slightly
- Install Drywall on bottom plate or
floor near center of appliance

Model 425
(4 1/2" Deep)

Part Number
DB-425

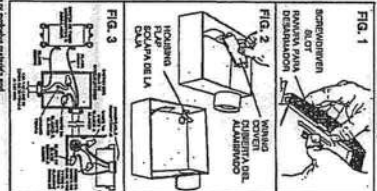
Available throughout the country from select vendors. Limited yields and prices may vary. No carry forward, voidable and no combining.

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 All rights reserved. NEB07-001

BRAIN
To register this product visit
www.brain.com.

TO PROCEED, THE READER MUST, OF COURSE, BE ABLE TO IDENTIFY THE FOLLOWING:

1. Use the following list to answer questions 1 through 10. The first number in each item refers to the number of the item in the list.
2. Select the word or words that best describe the situation.
3. Select the word or words that best describe the situation.
4. Select the word or words that best describe the situation.
5. Select the word or words that best describe the situation.
6. Select the word or words that best describe the situation.
7. Select the word or words that best describe the situation.
8. Select the word or words that best describe the situation.
9. Select the word or words that best describe the situation.
10. Select the word or words that best describe the situation.



is to provide training not only, but that can be successful in helping to improve the
 report.

2. To test their theory, the authors set out to study urban and rural, long-dwelled and recently arrived, men and women, and men and women of different ethnicities, education level, etc. of poor and middle class.
3. Peasants used traditional food to produce for higher transaction and requirements.

WCMAD THE UNIT

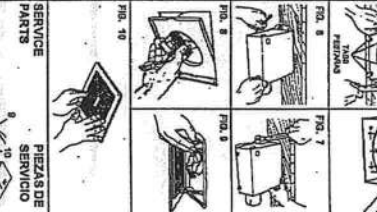
DISCREETLY MAINTAINANCE
A look at the products before you. Document the panel layout and identify the way the device is used. Call the client and add a note about the panel layout and the way the device is used. Call the client and add a note about the panel layout and the way the device is used.

be removed from your room following any passing down on fire to allow better passing out on escape. Window plants may be removed by traveling a straight line to the window and then down.

1. Receiving and testing new items: TEL 19
2. Receiving and testing new items: TEL 19
3. Receiving and testing new items: TEL 19
4. Receiving and testing new items: TEL 19
5. Receiving and testing new items: TEL 19

MAKE BLIND HOUSING WALLING FLUSH WITH THE EXISTING CEILING OR WALL. Sealant is applied to the bottom of the blind housing to prevent air from leaking through. Sealant is also applied to the bottom of the blind housing to prevent air from leaking through. Sealant is also applied to the bottom of the blind housing to prevent air from leaking through.

- [illegible]



6. Turn the egg up again a couple of inches and cook 1 minute. Add in milk and cook 2 minutes. Turn the egg up again.

- the use of the term "cognitive" is not inconsistent with the use of the term "cognitive" in the literature on cognitive psychology. The term "cognitive" is used in a broad sense to refer to the mental processes that underlie behavior, including perception, learning, memory, and problem solving. The term "cognitive" is also used in a narrow sense to refer to the mental processes that are involved in the acquisition and use of knowledge. The term "cognitive" is used in a broad sense in the literature on cognitive psychology, and in a narrow sense in the literature on cognitive science. The term "cognitive" is used in a broad sense in the literature on cognitive psychology, and in a narrow sense in the literature on cognitive science.

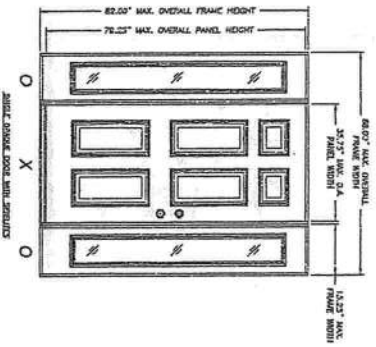
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2 of 2

NAN YA PLASTICS CORP.

PLASTPRO INC.
9 PEACH TREE HILL ROAD
LIVINGSTON, NEW JERSEY 07039
PH: 800-779-0561 FAX: 973-269-4001

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

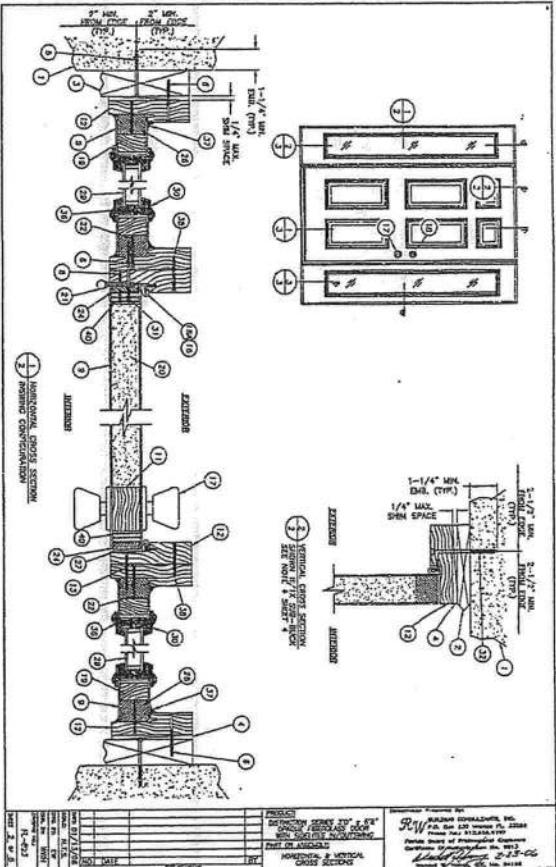


1. TWO SIDELITES ARE USED. DIMENSIONS AND 1/2\"/>
2. FINISHES ARE TO BE USED AND SPACES AS SHOWN ON WALL FINISHES OR STICKS.
3. WHEN USED AS AN OUTSWING DOOR, THE DOOR SHALL BE COMPLETED WITH SECTION 1003.1.4 OF THE TYPICAL DOOR AND SILL DETAIL. WHEN USED AS AN INSWING DOOR, THE DOOR SHALL BE COMPLETED WITH SECTION 1003.1.4 OF THE TYPICAL DOOR AND SILL DETAIL. THE DOOR SHALL BE COMPLETED WITH SECTION 1003.1.4 OF THE TYPICAL DOOR AND SILL DETAIL. THE DOOR SHALL BE COMPLETED WITH SECTION 1003.1.4 OF THE TYPICAL DOOR AND SILL DETAIL.
4. FOR 3/4\"/>
5. DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.

TYPE	ORIGINAL FINISH DIMENSION	SPECIAL FINISH DIMENSION	GLASS TYPE	GLASS THICKNESS (IN)	
				PERMANENT	TEMPORARY
INSWING	88.00" *	7.00" *	1/8" TDS, - A3 - 1/8" TEMP.	+50.0	-50.0
	88.00" *	83.00" *		+50.0	-50.0
OUTSWING	80.00" *	7.00" *			
	80.00" *	83.00" *			

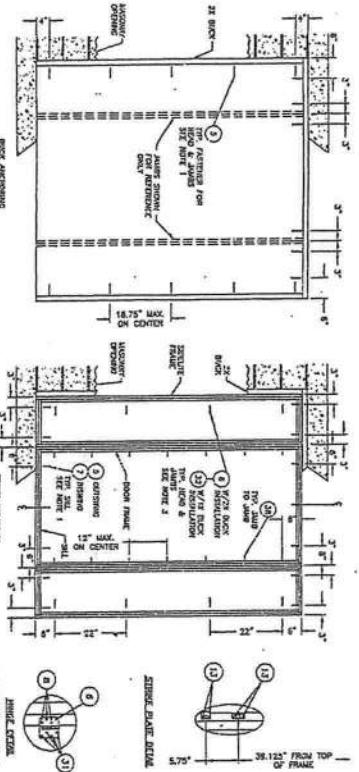
REVISIONS

NO.	DATE	DESCRIPTION
1	11-23-00	ISSUED FOR CONSTRUCTION



REVISIONS

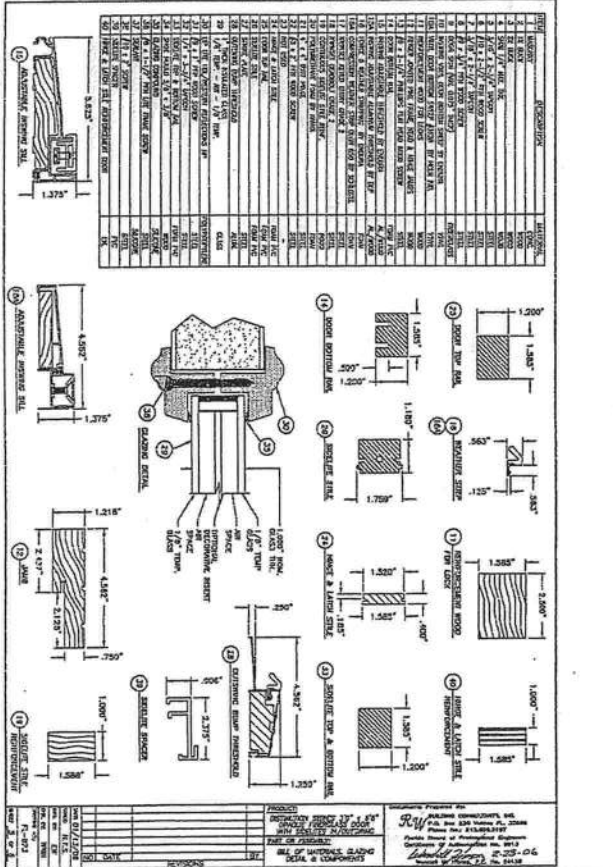
NO.	DATE	DESCRIPTION
1	11-23-00	ISSUED FOR CONSTRUCTION



1. 3/4\"/>
2. 1/4\"/>
3. WHEN USED AS AN INSWING DOOR, THE DOOR SHALL BE COMPLETED WITH SECTION 1003.1.4 OF THE TYPICAL DOOR AND SILL DETAIL. WHEN USED AS AN OUTSWING DOOR, THE DOOR SHALL BE COMPLETED WITH SECTION 1003.1.4 OF THE TYPICAL DOOR AND SILL DETAIL.
4. FOR 3/4\"/>
5. DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.

REVISIONS

NO.	DATE	DESCRIPTION
1	11-23-00	ISSUED FOR CONSTRUCTION



REVISIONS

NO.	DATE	DESCRIPTION
1	11-23-00	ISSUED FOR CONSTRUCTION

FIBERGLASS EXTERIOR DOORS IN SWING / OUT SWING DOOR WITH (TWO) SIDELITES

RELEASE DATE: 09/02/08



14011 321-0064 4005 MARONDA WAY SANFORD, FLORIDA

Florida Product Approval #6184.5

ED-2

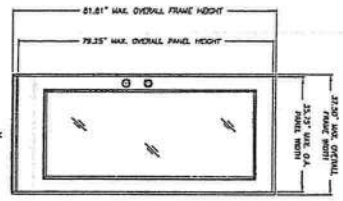
NAN YA PLASTICS CORP.

PLASTPRO INC.
 9 PEACH TREE HILL ROAD
 LIVINGSTON, NEW JERSEY 07039
 PH: 800-778-0581 FAX: 973-750-4001

DISTINCTION SERIES
30" x 68" FLUSH GLAZED
FIBERGLASS DOOR
INSWING / OUTSWING
"NON-IMPACT"

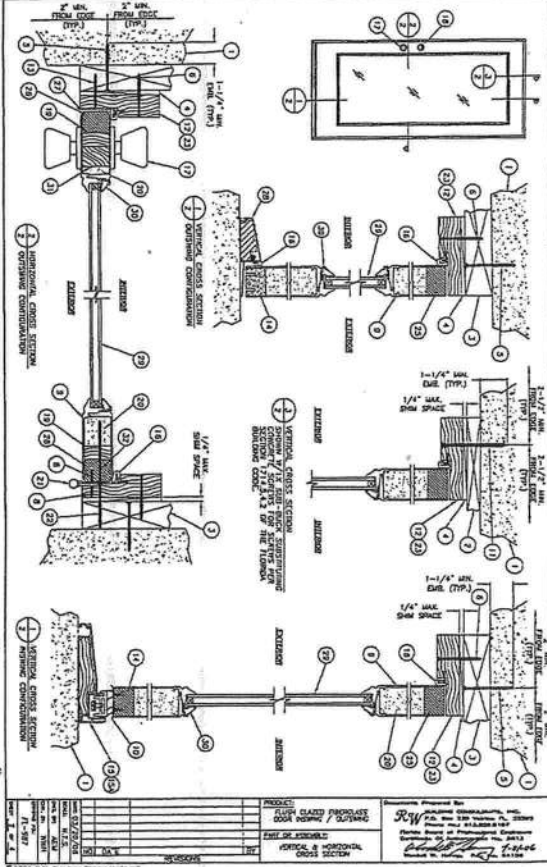
- GENERAL NOTES:
 1. DOOR SHALL BE FABRICATED AND ASSEMBLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
 2. DOOR SHALL BE FABRICATED FROM UNREINFORCED FIBERGLASS.
 3. DOOR SHALL BE FABRICATED FROM UNREINFORCED FIBERGLASS.
 4. DOOR SHALL BE FABRICATED FROM UNREINFORCED FIBERGLASS.
 5. DOOR SHALL BE FABRICATED FROM UNREINFORCED FIBERGLASS.
 6. DOOR SHALL BE FABRICATED FROM UNREINFORCED FIBERGLASS.

ITEM	DESCRIPTION	QUANTITY
1	DOOR FRAME	1
2	DOOR GLASS	1
3	DOOR HINGES	2
4	DOOR LOCK	1
5	DOOR STOP	1
6	DOOR SEAL	1

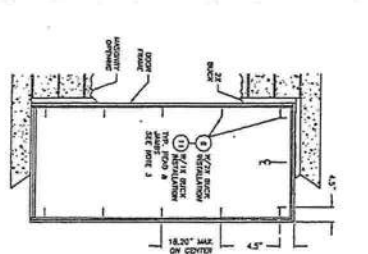
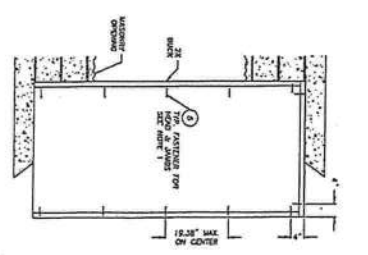
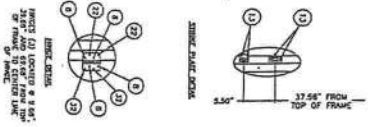


ITEM	DESCRIPTION	QUANTITY
1	DOOR FRAME	1
2	DOOR GLASS	1
3	DOOR HINGES	2
4	DOOR LOCK	1
5	DOOR STOP	1
6	DOOR SEAL	1

ITEM	DESCRIPTION	QUANTITY
1	DOOR FRAME	1
2	DOOR GLASS	1
3	DOOR HINGES	2
4	DOOR LOCK	1
5	DOOR STOP	1
6	DOOR SEAL	1

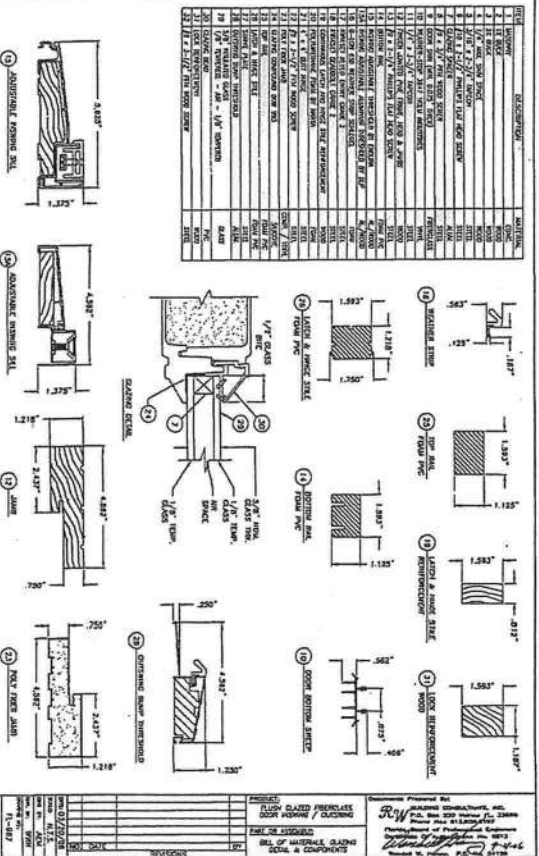


ITEM	DESCRIPTION	QUANTITY
1	DOOR FRAME	1
2	DOOR GLASS	1
3	DOOR HINGES	2
4	DOOR LOCK	1
5	DOOR STOP	1
6	DOOR SEAL	1



- GENERAL NOTES:
 1. DOOR SHALL BE FABRICATED AND ASSEMBLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
 2. DOOR SHALL BE FABRICATED FROM UNREINFORCED FIBERGLASS.
 3. DOOR SHALL BE FABRICATED FROM UNREINFORCED FIBERGLASS.
 4. DOOR SHALL BE FABRICATED FROM UNREINFORCED FIBERGLASS.
 5. DOOR SHALL BE FABRICATED FROM UNREINFORCED FIBERGLASS.
 6. DOOR SHALL BE FABRICATED FROM UNREINFORCED FIBERGLASS.

ITEM	DESCRIPTION	QUANTITY
1	DOOR FRAME	1
2	DOOR GLASS	1
3	DOOR HINGES	2
4	DOOR LOCK	1
5	DOOR STOP	1
6	DOOR SEAL	1



ITEM	DESCRIPTION	QUANTITY
1	DOOR FRAME	1
2	DOOR GLASS	1
3	DOOR HINGES	2
4	DOOR LOCK	1
5	DOOR STOP	1
6	DOOR SEAL	1

Florida Product Approval #6729.1

ED-4

Maronda Homes
 4001 321-0064 4005 MARONDA WAY SANFORD, FLORIDA

FIBERGLASS EXTERIOR DOORS
IN SWING / OUT SWING DOOR
GLAZED DOOR
 RELEASE DATE: 09/02/08

NAN YA PLASTICS CORP.

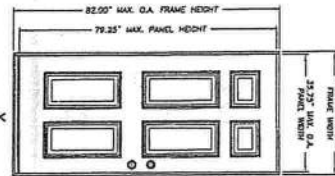
9 PEACH TREE HILL ROAD
LIVINGSTON, NEW JERSEY 07039
PH: 609-778-0581 FAX: 973-786-4001

DISTINCTION SERIES 30" x 68" OPAQUE FIBERGLASS DOOR IN SWING / OUT SWING

GENERAL NOTES

1. THIS PRODUCT HAS BEEN EVALUATED AND IS IN COMPLIANCE WITH THE FLORIDA BUILDING CODE EXCEPTING THE 90% VELOCITY WINDBorne ZONE.
2. ALL DIMENSIONS SHALL BE AS SHOWN AND SHALL BE GIVEN ON MILL FINISHED OR SMOOTH.
3. THIS DOOR IS A NON-INSULATED DOOR. THIS PRODUCT CODE AS APPLIED TO THIS DOOR IS A NON-INSULATED DOOR. THE USE OF AN INSULATED DOOR PRODUCT AND CODE MAY REQUIRE THE USE OF A DIFFERENT PRODUCT AND CODE. THE USER MUST CONSULT THE FLORIDA BUILDING CODE FOR THE LATEST REQUIREMENTS FOR EXEMPTIONS FROM THE FLORIDA BUILDING CODE.
4. THE DOOR SHALL BE SHOWN FOR 2X BRICK MASONRY CONSTRUCTION.
5. DIMENSIONS FOR CONCRETE OR THIS PRODUCT ARE SHOWN FOR 2X BRICK MASONRY CONSTRUCTION.

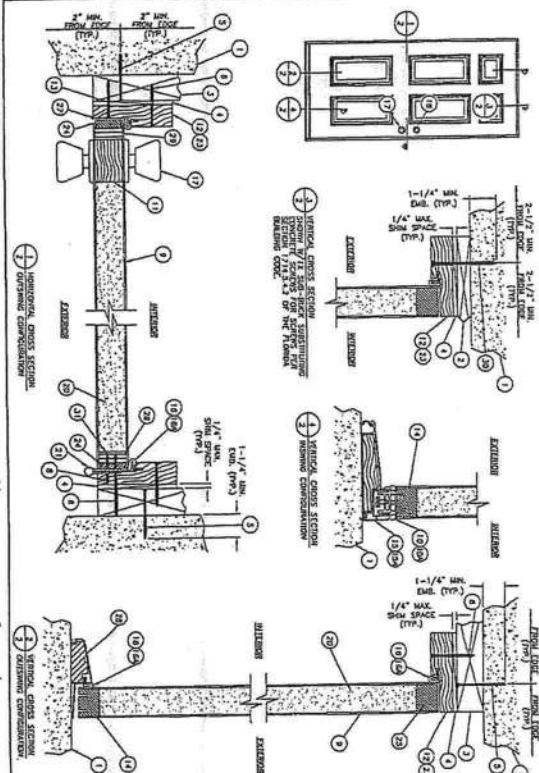
ITEM	DESCRIPTION	UNIT	QUANTITY
1	30" x 68" OPAQUE FIBERGLASS DOOR	EA	1
2	2X BRICK MASONRY	SQ. YD.	1.00
3	CONCRETE OR THIS PRODUCT	SQ. YD.	1.00



ITEM	DESCRIPTION	UNIT	QUANTITY
1	30" x 68" OPAQUE FIBERGLASS DOOR	EA	1
2	2X BRICK MASONRY	SQ. YD.	1.00
3	CONCRETE OR THIS PRODUCT	SQ. YD.	1.00

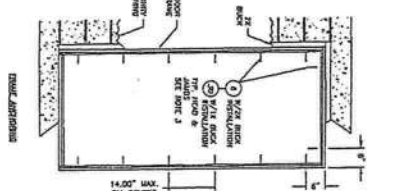
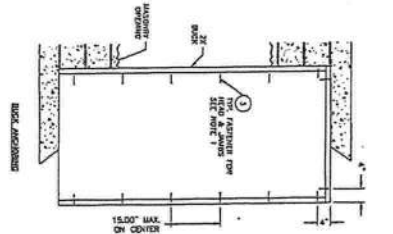
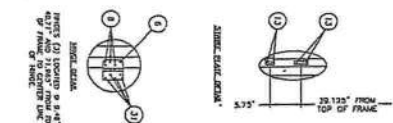
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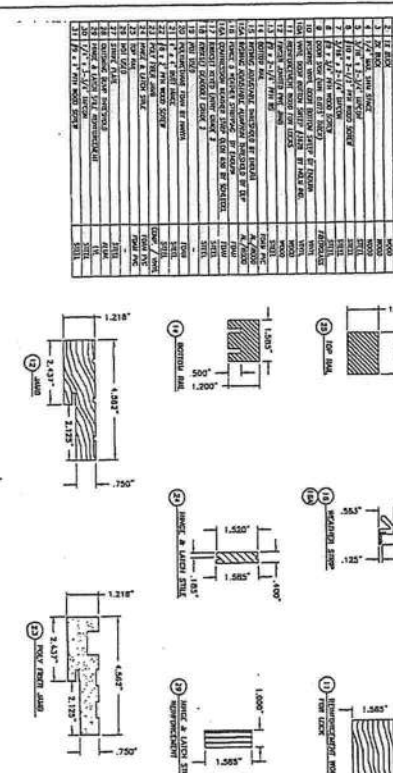


ITEM	DESCRIPTION	UNIT	QUANTITY
1	30" x 68" OPAQUE FIBERGLASS DOOR	EA	1
2	2X BRICK MASONRY	SQ. YD.	1.00
3	CONCRETE OR THIS PRODUCT	SQ. YD.	1.00

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BY: [Signature]
REVISIONS
DATE: 01/17/08
BY: [Signature]



ITEM	DESCRIPTION	UNIT	QUANTITY
1	30" x 68" OPAQUE FIBERGLASS DOOR	EA	1
2	2X BRICK MASONRY	SQ. YD.	1.00
3	CONCRETE OR THIS PRODUCT	SQ. YD.	1.00



ITEM	DESCRIPTION	UNIT	QUANTITY
1	30" x 68" OPAQUE FIBERGLASS DOOR	EA	1
2	2X BRICK MASONRY	SQ. YD.	1.00
3	CONCRETE OR THIS PRODUCT	SQ. YD.	1.00

REVISIONS
DATE: 01/17/08
BY: [Signature]
REVISIONS
DATE: 01/17/08
BY: [Signature]

- NOTES:
1. 3/4" THICKNESS REQUIRED A MINIMUM 2-1/4" CLEARANCE TO MASONRY BLOCK AND A MINIMUM 2-1/4" CLEARANCE TO ADJACENT WINDOW.
 2. 1/4" THICKNESS REQUIRED A MINIMUM 2-1/4" CLEARANCE TO MASONRY BLOCK AND A MINIMUM 2-1/4" CLEARANCE TO ADJACENT WINDOW.
 3. THE DOOR SHALL BE SHOWN FOR 2X BRICK MASONRY CONSTRUCTION.
 4. THE DOOR SHALL BE SHOWN FOR 2X BRICK MASONRY CONSTRUCTION.

REVISIONS
DATE: 01/17/08
BY: [Signature]
REVISIONS
DATE: 01/17/08
BY: [Signature]



ITEM	DESCRIPTION	UNIT	QUANTITY
1	30" x 68" OPAQUE FIBERGLASS DOOR	EA	1
2	2X BRICK MASONRY	SQ. YD.	1.00
3	CONCRETE OR THIS PRODUCT	SQ. YD.	1.00

REVISIONS
DATE: 01/17/08
BY: [Signature]
REVISIONS
DATE: 01/17/08
BY: [Signature]

Florida Product Approval #6184.1

ED-0

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

GDI

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

NOTES:

1. SHORT GLAZED PANEL OPTION - .000" UMBRAN 200 GLAZING IN WOLDED FRAMES SPACED TOGETHER WITH A MINIMUM OF (5) .000" SPACES INSTALLED IN TOP OR INTERMEDIATE SECTION (WITH OR WITHOUT DECORATIVE INSERTS) MEETS UNIFORM STRESS DESIGN REQUIREMENTS SHOWN ON THIS DRAWING. GLAZING SHALL HAVE A MINIMUM HEIGHT OF 13'-2" AND A MINIMUM LENGTH OF 18'-2". GLAZING IS NOT IMPACT RESISTANT AND DOES NOT MEET THE REQUIREMENTS FOR WIND-BORNE DEBRIS RESISTANCE.
2. LONG GLAZED PANEL OPTION - NOT AVAILABLE WITH THIS OPTION CODE.
3. WIND OR WOOD DOOR STOP WALLED A MINIMUM OF 4" O.C. MUST SHOW UP TOP AND BOTH ENDS OF PANELS MINIMUM 7/8" TO MEET NEGATIVE PRESSURES.
4. KEY LOCK, SLIDE LOCK, OR OPERATOR REQUIRED.
5. SECTION SHALL BE CONSTRUCTED WITH FRAMED IN PLACE POLYURETHANE FOAM INSULATION (SPECIFICALLY DESIGNED TO 30 IN MINIMUM FACE STEEL AND A POLYURETHANE BRIDGE, END CAP TO HAVE A MINIMUM 1" DEPTH).
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 2x4 STRUCTURAL GRADE LUMBER. REFER TO JAMB CONNECTION SUPPLEMENT FOR ATTACHMENT TO SUPPORTING STRUCTURE.
8. LOUVER OPTION - .000" UMBRAN ALUMINUM LAMINATES IN WOLDED FRAMES SPACED TOGETHER WITH A MINIMUM OF (5) .000" SPACES INSTALLED IN THE END PANELS OF THE BOTTOM SECTION. LOUVERS DO NOT IMPACT RESISTANT AND DO NOT MEET THE REQUIREMENTS FOR WIND-BORNE DEBRIS RESISTANCE.
9. FOLLOWING DIMENSION INDICATES SLOTTED JAMB BRACKET ATTACHED TO TRACK WITH 1/4"-20x1/2" TRACK BOLT AND NUT.
10. FOLLOWING DIMENSION INDICATES QUICK INSTALL JAMB BRACKET INSTALLED IN BUTTERFLY SLOT. NO ADDITIONAL HARDWARE NEEDED TO ATTACH TO TRACK.

REVISIONS

NO.	DATE	DESCRIPTION
P4	CHANGES TO GENERAL FORMAT AND CHANGED U-BARS FACTORIES TYPE AT END CAPS AND BOTTOM TRACKS	
P5	ADDED SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE AND CHANGED NUMBER OF FASTENERS AND CENTER JAMBS REQUIRED FOR HARDWARE DOOR MODELS	
P6	ADDED IMPACT RESISTANCE TO DOOR. ADDED MODEL INFO. ADDED NOTE 8 TO STATE THAT LOUVERS ARE NOT IMPACT RESISTANT.	
P7	MODIFIED JAMB BRACKET SCHEDULE FOR FAT OPTION. ADDED LINE TRACK DETAIL SHEET 2. SHEET 4/17/08	

KEY LOCK OF SLIDE LOCK
BOTH ENDS (NOT REQUIRED WITH OPERATION - SEE NOTE 4)
SLIDE LOCK SHOWN FOR CLARITY

NOTE: (4) SECTION BOLT
DOOR BOLT, SEE SHEET 2 FOR U-BAR LOCATIONS ON DOORS WITH COVER SECTION QUANTITIES AND SEE NOTE 1 ON THIS SHEET FOR GLAZING OPTIONS.

SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE

DOOR HEIGHT	UNIFORM LOAD EXH. JAMB (PLF)
10'-0" ALL	230.3/-230.4
11'-0" ALL	218.3/-218.4
12'-0" ALL	206.3/-206.4
13'-0" ALL	194.3/-194.4

JAMB BRACKET SCHEDULE

DOOR HEIGHT (SECTION)	NO. OF JAMBS (EACH JAMB)	JAMB TYPE	LOCATION OF CENTERLINE OF JAMB BRACKET MEASURED FROM BOTTOM OF TRACK (ALL DIMENSIONS IN FT.)
7'-0"	4	B	(1) 13" (2) 31" (3) 51" (4) 71" (5) 91" (6) 111" (7) 131" (8) 151" (9) 171" (10) 191" (11) 211" (12) 231" (13) 251" (14) 271" (15) 291" (16) 311" (17) 331" (18) 351" (19) 371" (20) 391" (21) 411" (22) 431" (23) 451" (24) 471" (25) 491" (26) 511" (27) 531" (28) 551" (29) 571" (30) 591" (31) 611" (32) 631" (33) 651" (34) 671" (35) 691" (36) 711" (37) 731" (38) 751" (39) 771" (40) 791" (41) 811" (42) 831" (43) 851" (44) 871" (45) 891" (46) 911" (47) 931" (48) 951" (49) 971" (50) 991" (51) 1011" (52) 1031" (53) 1051" (54) 1071" (55) 1091" (56) 1111" (57) 1131" (58) 1151" (59) 1171" (60) 1191" (61) 1211" (62) 1231" (63) 1251" (64) 1271" (65) 1291" (66) 1311" (67) 1331" (68) 1351" (69) 1371" (70) 1391" (71) 1411" (72) 1431" (73) 1451" (74) 1471" (75) 1491" (76) 1511" (77) 1531" (78) 1551" (79) 1571" (80) 1591" (81) 1611" (82) 1631" (83) 1651" (84) 1671" (85) 1691" (86) 1711" (87) 1731" (88) 1751" (89) 1771" (90) 1791" (91) 1811" (92) 1831" (93) 1851" (94) 1871" (95) 1891" (96) 1911" (97) 1931" (98) 1951" (99) 1971" (100) 1991" (101) 2011" (102) 2031" (103) 2051" (104) 2071" (105) 2091" (106) 2111" (107) 2131" (108) 2151" (109) 2171" (110) 2191" (111) 2211" (112) 2231" (113) 2251" (114) 2271" (115) 2291" (116) 2311" (117) 2331" (118) 2351" (119) 2371" (120) 2391" (121) 2411" (122) 2431" (123) 2451" (124) 2471" (125) 2491" (126) 2511" (127) 2531" (128) 2551" (129) 2571" (130) 2591" (131) 2611" (132) 2631" (133) 2651" (134) 2671" (135) 2691" (136) 2711" (137) 2731" (138) 2751" (139) 2771" (140) 2791" (141) 2811" (142) 2831" (143) 2851" (144) 2871" (145) 2891" (146) 2911" (147) 2931" (148) 2951" (149) 2971" (150) 2991" (151) 3011" (152) 3031" (153) 3051" (154) 3071" (155) 3091" (156) 3111" (157) 3131" (158) 3151" (159) 3171" (160) 3191" (161) 3211" (162) 3231" (163) 3251" (164) 3271" (165) 3291" (166) 3311" (167) 3331" (168) 3351" (169) 3371" (170) 3391" (171) 3411" (172) 3431" (173) 3451" (174) 3471" (175) 3491" (176) 3511" (177) 3531" (178) 3551" (179) 3571" 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10'-16' Wide Wind Zone 140

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Maronda Homes

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

Wayne Dalton

Wayne Dalton

PRODUCT APPROVAL INFORMATION SHEET FOR FLORIDA

Project Name: _____ Permit # _____
 Project Address: _____

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and product approval number(s) for the building components listed below as applicable to the building construction project for the permit number listed above. You should contact your product supplier if you do not know the product approval number for any of the applicable listed products. Information regarding statewide product approval may be obtained at: www.floridabuilding.org.
 REVISED 2-18-2009

Category/Subcategory	Manufacturer	Product Description	Limitation of Use	State 2007#	Design Pressures
A. EXTERIOR DOORS					
1. Swinging	Pasipio Inc. / Newy Plastic Corp.	Fiberglass Dr Single Fiberglass Dr w/ Sliding Fiberglass Dr w/ Dbl Sliding	Restricted for use in locations adhering to the Florida Building Code and where requirements as determined by ACSE 7 Minimum Design Loads for Building and Other Structures.	FL 6184.1 FL 6184.3 FL 6184.5	+63 / -70 +50 / -50 +50 / -50
2. Sliding	Simmons Windows Florida Extruders	Fiberglass Dr Single Sliding Glass Doors	350 72x80 SCD-R45 Milstone 1000 SCD	FL 6729.1 FL 5979.1 FL 8409.2	+50 / -50 +50 / -50 +45 / -45
3. Sectional	Wayne Dalton Corp.	Garage Doors 130 10' - 8" - 9" 9100/5120 Garage Doors 140 10' - 16" 9100/5120	As indicated in evaluation report and installation drawings. Not to be used in HVHZ.	FL 9174.3 FL 9174.1 FL 9174.6 FL 9174.5	+25.9/28.8 +26.9/28.8 +32.2/45.7 +40.2/48.6
B. WINDOWS					
1. Single hung	Florida Extruders	Milstone Series 1000	53" x 84" Max Windows have not been evaluated for use in High Velocity Hurricane Zones.	FL 9262.2	+45 / -45
2. Horizontal slider	Florida Extruders	Milstone Series 1000	74"x72" XCOX Max Windows have not been evaluated for use in High Velocity Hurricane Zones.	FL 9266.1	+45 / -45
3. Fixed	Florida Extruders	Milstone Series 1000	73"x37" Max Windows have not been evaluated for use in High Velocity Hurricane Zones.	FL 9242.2	+45 / -45
Category/Subcategory	Manufacturer	Product Description	Limitation of Use	State 2007#	Design Pressures
7. Pass-through			been evaluated for use in High Velocity Hurricane Zones.		
8. Projected	Florida Extruders	Milstone Tube Wall	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 3166-R3	60 PSF
9. Mullion					
10. Wind breaker					
11. Dual action					
12. Other					
C. PANEL WALL					
1. Sliding					
2. Soffit	Alcoa Metal Corp	Quad 4 Aluminum Soffit Systems	For use as soffit only. Not for use in HVHZ.	FL 4459-R1	62.0 PSF
D. ROOFING PRODUCTS					
1. Asphalt shingles	Owens Corning	Asphalt Shingle	This Approval not for use in the HVHZ. All FBC sections that apply to counties except Broward and Miami-Dade must be followed.	FL 10674-R1 FL 5444-R1	N/A N/A
2. Underlayment	Certain Teed Corp.	Asphalt Shingle			
3. Roofing fasteners					
4. Nonstructural metal roof					
5. Built-up roofing					
6. Modified bitumen	Polyglass USA	Two layer torch down	The max design pressure for the selected assembly shall meet or exceed the Zone 1 design pressure determined in accordance with FBC chapter 16.	FL 1654-R4	+N/A / -62.5
7. Single ply roofing					

Category/Subcategory	Manufacturer	Product Description	Limitation of Use	State 2007#	Design Pressures
8. Roofing tiles					
9. Roofing insulation					
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	Owens Corning Lamison	Ridge Vent OT Ridge Vent	This Approval not for use in the HVHZ. All FBC sections that apply to counties except Broward and Miami-Dade must be followed.	FL 10758 FL 3792-R3	N/A N/A
E. SHUTTERS					
1. Storm Panels	AST Building Products Atlantic Shutter, Inc.	21" Galvanized Steel Storm Panels 24 GA. Galv. Steel Panel 24 & 22 GA. Steel Panel	This product may only be installed on concrete, hollow concrete block or wood substrates. This product is NOT suitable for installation in the High Velocity Hurricane Zone or Dade Wind Speed > 140.	FL 7989-R2 FL 5547 FL 4804	+70 / -70 N/A N/A
E. STRUCTURAL COMPONENTS					
Wood					
concrete/masonry					
United Steel Products		Anchor, Hangers Etc. Structural Components Wood Connectors	Subject to limitation and installation instructions specified in NOA 05-0105.DS.	565-R3-567- R3-568- R2-669-R3, 570-R2-571- R2-574- R2-576-R3, 578-R2-815- R1-816- R1-817-R3, R1-818-R3, R1-819-R3, R1-820-R3, R1-821-R3, R1-822-R3, R1-823-R3, R1-824-R3, R1-825-R3, R1-826-R3, R1-827-R3, R1-828-R3, R1-829-R3, R1-830-R3, R1-831-R3, R1-832-R3, R1-833-R3, R1-834-R3, R1-835-R3, R1-836-R3, R1-837-R3, R1-838-R3, R1-839-R3, R1-840-R3, R1-841-R3, R1-842-R3, R1-843-R3, R1-844-R3, R1-845-R3, R1-846-R3, R1-847-R3, R1-848-R3, R1-849-R3, R1-850-R3, R1-851-R3, R1-852-R3, R1-853-R3, R1-854-R3, R1-855-R3, R1-856-R3, R1-857-R3, R1-858-R3, R1-859-R3, R1-860-R3, R1-861-R3, R1-862-R3, R1-863-R3, R1-864-R3, R1-865-R3, R1-866-R3, R1-867-R3, R1-868-R3, R1-869-R3, R1-870-R3, R1-871-R3, R1-872-R3, R1-873-R3, R1-874-R3, R1-875-R3, R1-876-R3, R1-877-R3, R1-878-R3, R1-879-R3, R1-880-R3, R1-881-R3, R1-882-R3, R1-883-R3, R1-884-R3, R1-885-R3, R1-886-R3, R1-887-R3, R1-888-R3, R1-889-R3, R1-890-R3, R1-891-R3, R1-892-R3, R1-893-R3, R1-894-R3, R1-895-R3, R1-896-R3, R1-897-R3, R1-898-R3, R1-899-R3, R1-900-R3, R1-901-R3, R1-902-R3, R1-903-R3, R1-904-R3, R1-905-R3, R1-906-R3, R1-907-R3, R1-908-R3, R1-909-R3, R1-910-R3, R1-911-R3, R1-912-R3, R1-913-R3, R1-914-R3, R1-915-R3, R1-916-R3, R1-917-R3, R1-918-R3, R1-919-R3, R1-920-R3, R1-921-R3, R1-922-R3, R1-923-R3, R1-924-R3, R1-925-R3, R1-926-R3, R1-927-R3, R1-928-R3, R1-929-R3, R1-930-R3, R1-931-R3, R1-932-R3, R1-933-R3, R1-934-R3, R1-935-R3, R1-936-R3, R1-937-R3, R1-938-R3, R1-939-R3, R1-940-R3, R1-941-R3, R1-942-R3, R1-943-R3, R1-944-R3, R1-945-R3, R1-946-R3, R1-947-R3, R1-948-R3, R1-949-R3, R1-950-R3, R1-951-R3, R1-952-R3, R1-953-R3, R1-954-R3, R1-955-R3, R1-956-R3, R1-957-R3, R1-958-R3, R1-959-R3, R1-960-R3, R1-961-R3, R1-962-R3, R1-963-R3, R1-964-R3, R1-965-R3, R1-966-R3, R1-967-R3, R1-968-R3, R1-969-R3, R1-970-R3, R1-971-R3, R1-972-R3, R1-973-R3, R1-974-R3, R1-975-R3, R1-976-R3, R1-977-R3, R1-978-R3, R1-979-R3, R1-980-R3, R1-981-R3, R1-982-R3, R1-983-R3, R1-984-R3, R1-985-R3, R1-986-R3, R1-987-R3, R1-988-R3, R1-989-R3, R1-990-R3, R1-991-R3, R1-992-R3, R1-993-R3, R1-994-R3, R1-995-R3, R1-996-R3, R1-997-R3, R1-998-R3, R1-999-R3, R1-1000-R3	N/A

Category/Subcategory	Manufacturer	Product Description	Limitation of Use	State 2007#	Design Pressures
2. Truss gables					
3. Manufactured timber					
4. Manufactured masonry					
5. Concrete masonry					
6. Concrete masonry					
7. Concrete masonry					
8. Insulation foam					
9. Insulation foam					
10. Insulation foam					
11. Wall					
12. Floor					
13. Other					
F. STRUCTURAL COMPONENTS					
1. Structural					
2. Other					
3. Other					
4. Other					
5. Other					
6. Other					
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Maronda Homes

FLORIDA: THIS STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 900 OF THE FLORIDA BUILDING CODE AND THE FLORIDA BUILDING CODE. ALL CORRECTIONS HAVE BEEN CHECKED BY THE ARCHITECT AND APPROVED FOR CONSTRUCTION. A. EXCLUDED BUILDING

REVISIONS:

10-23-07 UPDATE LISTS

09-20-08 UPDATE ROLL UP DOORS

08-14-08 ADDED POWERS STEEL UNITS

09-16-08 ADDED MANUF. ENGRS NOTE

02-23-2009 UPDATED FOR 2007 CODES

PRODUCT APPROVAL

DRAWN BY: _____

RELEASE DATE: MARCH 1, 2009

Garage: _____

Maronda Homes

Author/Lead Project Architect: _____ (Print Name)

Company Name: _____ (Print Name)

Contractor Name: _____ (Print Name)

Address: _____

City: _____ State: _____ Zip Code: _____

Telephone Number: () _____ Fax Number: () _____

Cell Phone Number: () _____ E-mail Address: _____

SHEET 1

Project Name: _____ Permit # _____
Project Address: _____

REVISÉD 2-18-200

Category/Subcategory	Manufacturer	Product Description	Limitation of Use	State 2007W	Design Pressures
A. EXTERIOR DOORS					
1. Swinging	Pilgrum Inc / Nayco Products Corp.	Pilerglass Dr- Single Pilerglass Dr- w/ Sticello Pilerglass Dr- w/ Dbl Sticello	Evaluated for use in locations subjected to Building Code and where pressure requirements are determined by ASCE 7 Minimum Design Loads for Building and Other Structures.	FL 6188.1 FL 6184.3 FL 6184.5	+43 / -70 +50 / -50 +50 / -50
2. Sliding	Simmons Windows Florida Extruders	Pilerglass Dr- Single Glazed Sliding Glass Doors		FL 6729.1	+50 / -50
3. Sectional	Wopra Dalton Corp.	Group Doors 120 10' - 10' w 9100 / 5120 8" w 9100 / 5120 10' - 10' w 9100 / 5120 8" -	As indicated in evaluation report and installation drawings. Not to be used in HVHZ.	FL 9174.3 FL 9174.1 FL 9174.6 FL 9174.5	+33.9 / +24.8 +32.9 / +20.8 +32.2 / +0.7 +43.2 / -0.6
B. WINDOWS					
1. Single hung	Florida Extruders	Milumex Series 1000	5 1/2" x 8 1/2" New Windows have not been evaluated for use in High Velocity Hurricane Zones.	FL 9262.2	+45 / -45
2. Horizontal slider	Florida Extruders	Milumex Series 1000	As indicated in evaluation report and installation drawings. Not to be used in High Velocity Hurricane Zones.	FL 9236.1	+43 / -43
3. Fixed	Florida Extruders	Milumex Series 1000	As indicated in evaluation report and installation drawings. Not to be used in High Velocity Hurricane Zones.	FL 9242.2	+43 / -43
Category/Subcategory	Manufacturer	Product Description	Limitation of Use	State 2007W	Design Pressures
7. Pear-through 8. Projected 9. Multisun	Florida Extruders	Milumex Tube Mold	Evaluated for use in locations where pressure requirements are determined by ASCE 7 Minimum Design Loads for Building and Other Structures.	FL 3136-R3	60 PSF
10. Wind breaker 11. Dual section 12. Other					
C. PAVERS WALL					
1. Sliding 2. Solid	Alcoa Metal Corp	Grand & Aluminum So-HR Systems	For use as soffit only; Not for use in HVHZ.	FL 4439-R1	62.0 PSF
D. ROOFING					
1. Asphalt shingles 2. Asphalt shingles	Owens Corning Certain Teed Corp.	Asphalt Shingle Asphalt Shingle	This material not for use in the HVHZ. All PRCs must be applied to counties except Broward and Miami-Dade must be followed.	FL 1067-R1 FL 5444-R1	N/A N/A
2. Underlayment					
3. Roofing Membrane					
4. Miscellaneous metal roof					
5. Built-up roofing					
6. Modified Bitumen	Polygan USA	Two layer torch down	The most design pressure for the Zone 1 or Zone 2 must be used to determine the Zone 1 design pressure determined in accordance with FBC chapter 16.	FL 1634-R4	+N/A / - 62.5
7. Single ply roofing					

Category/Subcategory	Manufacturer	Product Description	Limitation of Use	State 2007#	Daily Premium
8. Roofing tiles					
9. Roofing insulation					
10. Wood shingles/shakes					
11. Wood shingles/shakes					
12. Liquid applied roofing					
13. Liquid applied roofing					
14. Cement-adhesive					
15. Roof tile adhesive					
16. Spray applied polyurethane roof					
17. Roof vents					
E. ATTACHMENTS					
1. Storm Panels	ART Building Products	ART Building Products Artisan Shutters, Inc. Aluclik Hurricane Shutters Inc. KD Manufacturing	21# Galvanized Sheet Storm Panels 24 GSA OGV Steel Panel 24 & 32 GSA Metal Panel KD STORM PANEL	EL 1045B EL 3792-83	N/A N/A
			This product may only be installed on concrete, hollow concrete block or wood substrates. This product is NOT suitable for use on masonry, stucco or vinyl substrates. Zone or Baffle Wind Speed > 140.	EL 1045B EL 3792-83	N/A N/A
			This product may only be installed on concrete, hollow concrete block or wood substrates. This product is NOT suitable for use on masonry, stucco or vinyl substrates. Zone or Baffle Wind Speed > 140.	EL 798B-82 EL 5547 EL 4804 EL 2773	430/-70 N/A N/A N/A
F. STRUCTURAL COMPONENTS					
Wood	United Steel Products	Anchors, Hangers, Brackets, Structural Components Wood Connectors	Subject to limitations and installation instructions specified in NDA 05-0109-05.	565-B3-567- 83-568-83- 570-82-271- 82-574- 575-576-815- 81-816-	
concrete/anchor					

Category/Subcategory	Manufacturer	Product Description	Limitation of Use	Design Provisions
2. Truss plates	Miltek Industries Inc.	Truss Connectors	No Limitation of Use.	PT 2197 R.I
3. Engineered lumber				PT 2197 R.I
4. Joisting				
5. Cooler-freezers				
6. Concrete subframes				
7. Material				
8. Installation forms				
9. Plastics				
10. Deck-roof				
11. Wall				
12. Slabs				
13. Other	Powers Steel Inc.	Filemark Fibronk (4-5/8)	Litmark shall not exceed the allowable design stress. Litmark shall not be used in a fire resistance rated assembly. A proper burner is used to produce the fire test. Litmark shall not be used in fire products in contact with steel linings. Not for use in EHV12 Midspan or Brovoad countries at this time.	6224-R.I
G. SPECIALTIES				
1. Shy light				
H. NEW EXTERIOR ENVIRONMENTAL PRODUCTS				
2.				

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

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

Authorised Person's Name _____ (Print Name) _____ (Signature)
 (Connector or Design Professional)
 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

Revised 2-23-2009

Building Permit:

Building Address:

Contractor:

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 7X16	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 7x6	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.)	Inswing 3/16" Tapcons @ 15" 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 Boring /Archives Boring 2x Wood Bucks	Series 1000 Fixed	Florida Extruders / Milestone	See floor plan	(3) 5/16" 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 Mulli#10 x 3/4" Screw	+45 / -45	FL3136-R3
Roof	CLASSIC	OWENS CORNING		8 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 Stucco 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 10674-R1
Soffit	16" Ventied Soffit QUAD	ALSCO METAL CORP.				FL 4459 R1
Hurricane Panels	Galvalined Steel Non-Porous Storm Panels	ASI BUILDING PRODUCTS	Block-Frame	1/4" Rawl 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 SOLE RESPONSIBILITY FOR THEIR PRODUCTS.

Maronda Homes

FLORIDA: THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF SECTION 607 OF THE FLORIDA BUILDING CODE 2007. (ESSENTIAL) ALL CONNECTORS HAVE BEEN CHECKED TO WITHSTAND ALL APPLICABLE LOADS EXPOSURE & ENCLOSED BUILDING.

14071 321-0064 4005 MARONDA WAY SANFORD, FLORIDA

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enTprod.apprval.com

PSL PRODUCT AFFIDAVIT

FBC / FRC 2007 CODES

DRAWN BY: GARAGE:

RELEASE DATE: MARCH 1, 2009

MAR 09

REVISIONS:	
10-29-07	UPDATE LISTS
01-29-08	UPDATE ROLL UP DOORS
09-14-08	ADDED POWERS STEEL UNITS
09-15-08	ADDED MANUF. ENSTRS NOTE
02-23-2009	UPDATED FOR 2007 CODES

SHEET:



INNOVATIONS FOR LIVING™

APPROVED APPLICATIONS

Trade Name: Vent Star Standard, Vent Star Low Profile, Vent Star Ridge Vent, Vent Star Edge Vent

System Type A:

Mechanical attachment of ridge vent system over composition shingles.

Details:



1. Determine whether the ridge is true or slightly irregular. The shingles (2" (nom.) or 1.1/2" (ridge peak) shingles) or shingles of 2" (nom.) or 1.1/2" (ridge peak) shingles) must be installed over the ridge. Once the ridge is cut and any overlapping shingles covering the ridge are removed, the ridge is ready for vent installation.



2. Place the Vent Star vent, round side down along entire length of ridge. Make certain the ridge is not covered by the vent. Make certain the ridge is not covered by the vent. Make certain the ridge is not covered by the vent.



3. Push apart a 3" or 1.1/2" pre-cut section of the foam roofing. Using construction adhesive or another seal, insert the pre-cut section of the foam roofing under the ridge vent. Push the ridge vent back into place. The ridge vent is now installed.



4. Make a 1/2" cut in the foam roofing at the ridge. Push the ridge vent into the cut. The ridge vent is now installed.



5. After vent has been installed, cut ridge shingles, trim them, and seal with roofing nails in a common overlapping pattern. Make certain the ridge is not covered by the vent. Make certain the ridge is not covered by the vent. Make certain the ridge is not covered by the vent.

Not For Areas:

Roofs to manufacturers' product literature

212



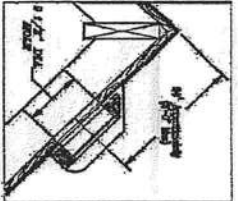
LOMANCO 770D ROOF VENT INSTALLATION INSTRUCTIONS

Thank you for your purchase! In purchasing the LOMANCO 770D Roof Vent, the 770D is an optional vent that will help reduce wind damage to your roof when properly installed with proper vents.

IMPORTANT

1. READ THESE INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. Installation of the LOMANCO 770D Roof Vent should comply with all local codes and standards. A WARNING! Sharp blades are exposed during installation. Use proper hand safety techniques and equipment to avoid injury.

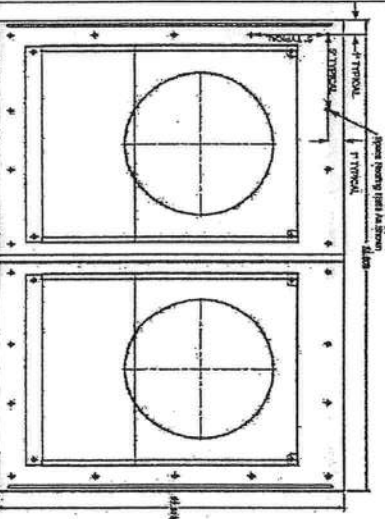
2. The seam of the vent should be sealed on either side with a sealant. Use a 1/2" (nom.) or 1.1/2" (ridge peak) shingles. Make these points:



3. When it comes to the roof, you want to make sure the vent is installed properly. The vent should be installed on the roof with the vent facing down. The vent should be installed on the roof with the vent facing down. The vent should be installed on the roof with the vent facing down.

4. Using marked positions as center point, mark the roof with a 1/2" (nom.) or 1.1/2" (ridge peak) shingles. The vent should be installed on the roof with the vent facing down. The vent should be installed on the roof with the vent facing down. The vent should be installed on the roof with the vent facing down.

5. Fasten the vent by using a sealant and with roofing nails. Also use roofing cement to seal the roof around the vent. The vent should be installed on the roof with the vent facing down. The vent should be installed on the roof with the vent facing down. The vent should be installed on the roof with the vent facing down.



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Maronda Homes

(407) 321-0864 4005 MARONDA WAY SANFORD, FLORIDA

REVISIONS:
2-16-09 Updated to Code.

ROOF VENT DETAILS

1 of 2

DRAWN BY: GARAGE:
RELEASE DATE:

Florida Product Approval # FL10758

Florida Product Approval # FL3792-R3

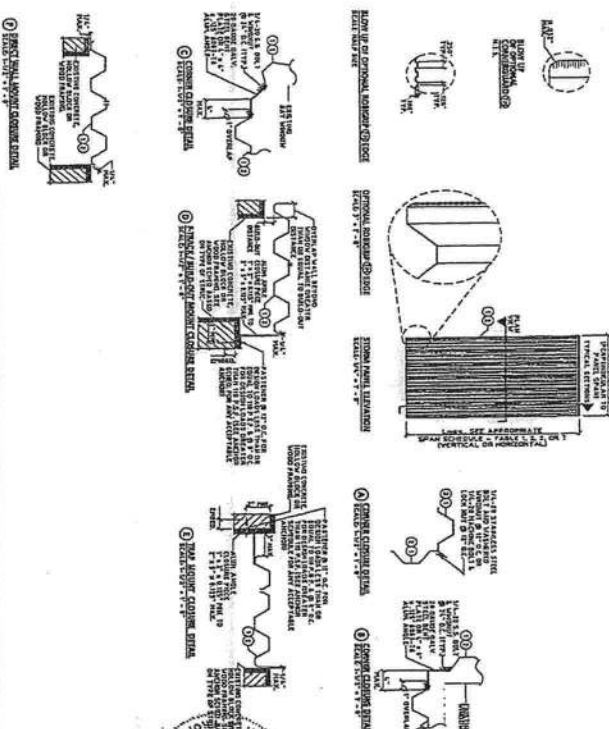
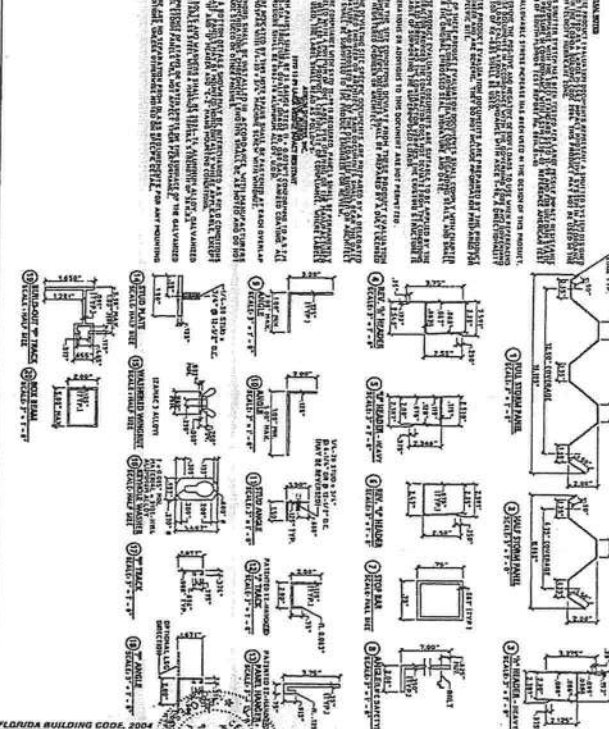
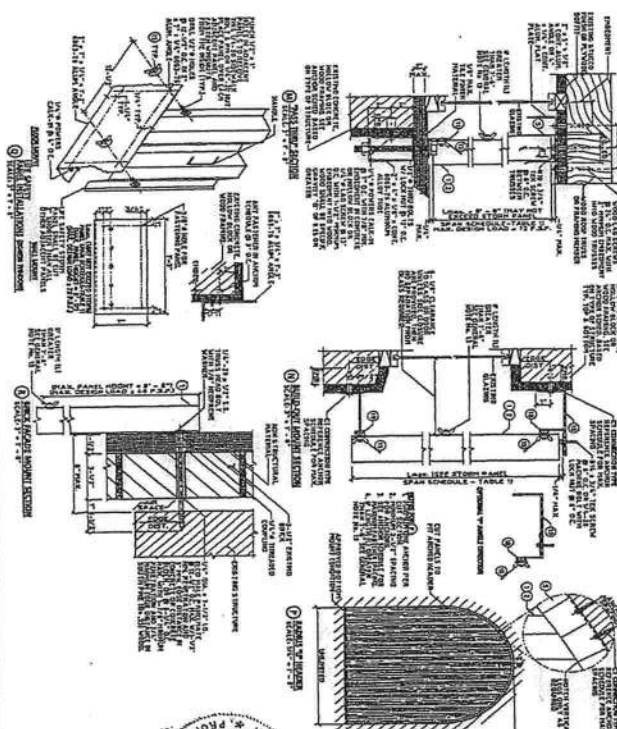
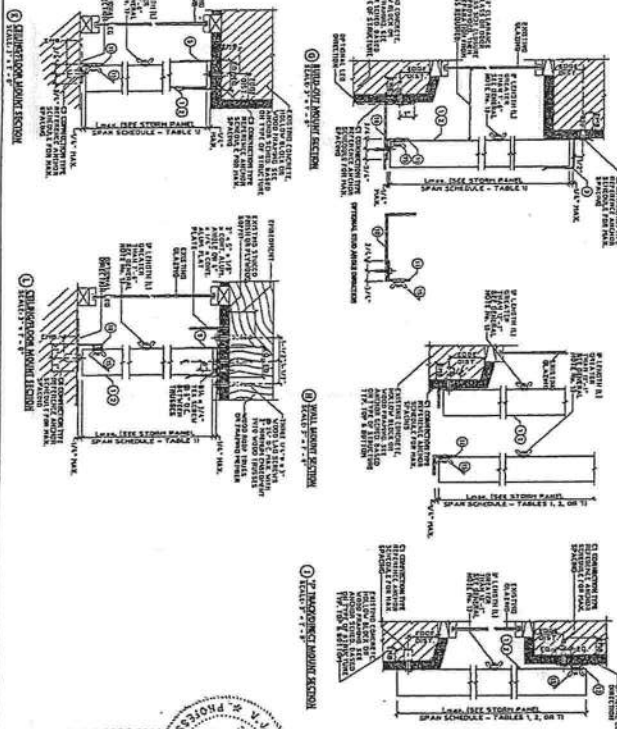
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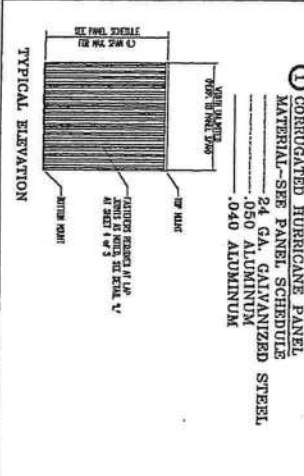
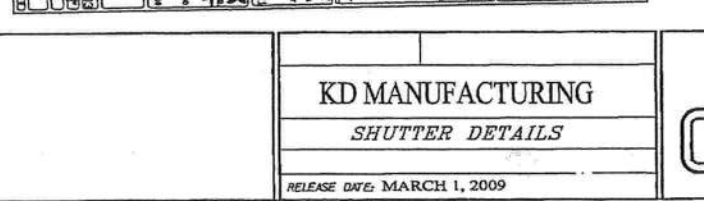
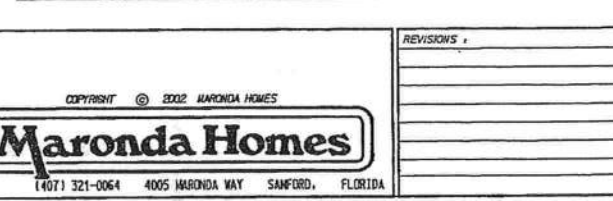
RVD

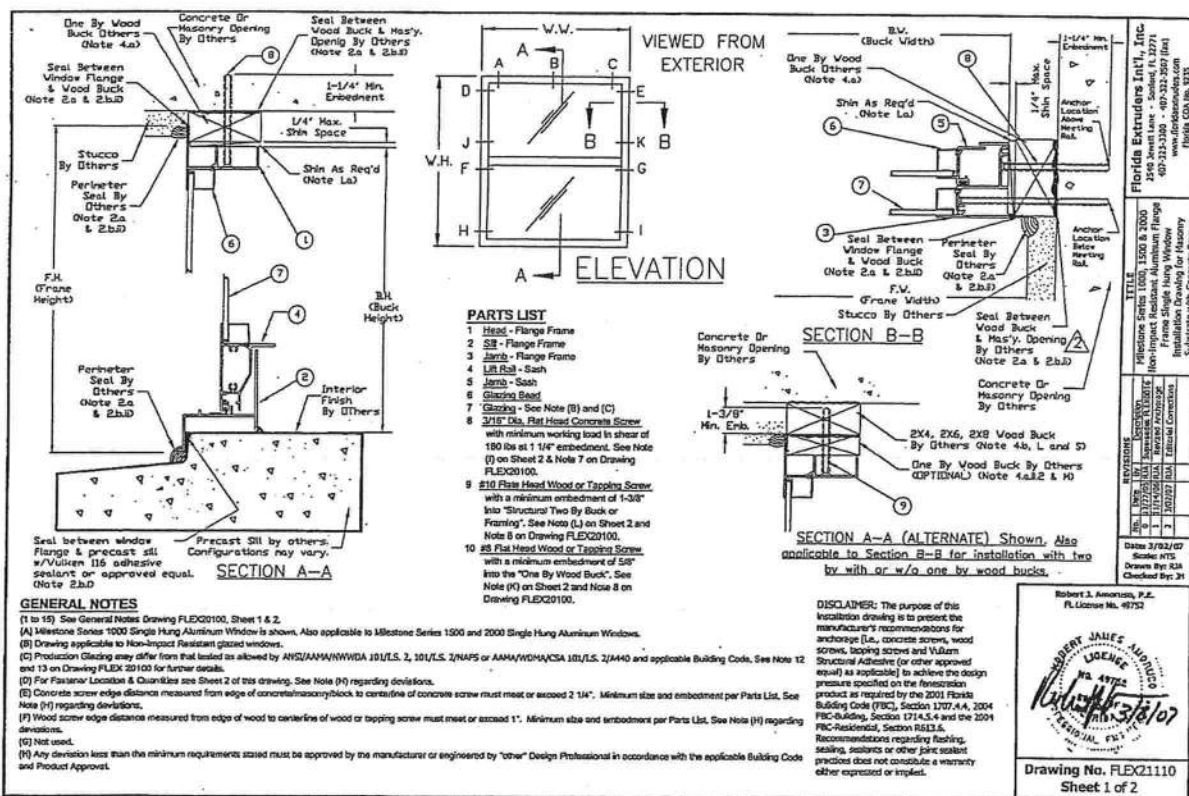
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FLORIDA APPROVAL #FL7989-R2



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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					
462	47	25	A, B, C	D, E, F, G, H, I					
463	47	37 3/8	A, B, C	D, E, F, G, H, I					
464	47	49 5/8	A, B, C	D, E, F, G, H, I					
464S	47	55 1/4	A, B, C	D, E, F, G, H, I					
465	47	62	A, B, C	D, E, F, G, H, I					
466	47	71	A, B, C	D, E, F, G, H, I, J, K					
467	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:

- (1) Where window is installed in an opening with a non-structural one by wood buck for the head and jamb and masonry or concrete sill, installation is as follows:
- At the head and jamb, 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.
- (2) See fastener location table this sheet for concrete screw locations and any additional installation requirements.
- (3) Any remaining factory applied installation fastener hole in the head at location "B" 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):

(1) Where window is installed in an opening with a structural two by wood buck for the head and jamb and a masonry or concrete sill, installation is as follows:

 - At the head and jamb, 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.

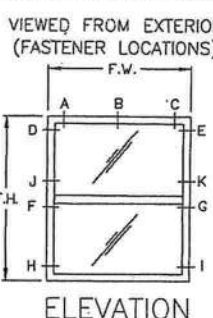
(4) If a two by and one by wood buck are used together (See Section A-A Alternate, similar for Section B-B), then #10 wood screws of sufficient length to achieve 1-3/8" min. embedment into the two by wood buck will be used and the one by wood buck will be secured to the two by wood buck as required in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

(5) #10 wood screws shall be installed at factory applied installation fastener hole locations.

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

DESIGN PRESSURE RATING & FBC CODE COMPLIANCE

- (7) If exact window size is not listed in fastener installation table, use fastener quantity listed for next larger size.
- (8) Installation 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.
- (9) Production Glazing may differ from that tested as allowed by ANSI/AAMA/NWDA 101/LS 2, 101/LS 2/NAPS or AAMA/NWDA/CSA 101/LS 2/M40 and applicable Building Code. See Note 12 and 13 on Drawing FLEX 20100 for further details.
- (10) Two by wood buck and/or framing at the head and jamb 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.
- (11) See FLEX20100, Notes 10 to 15 for additional FBC Code Compliance.

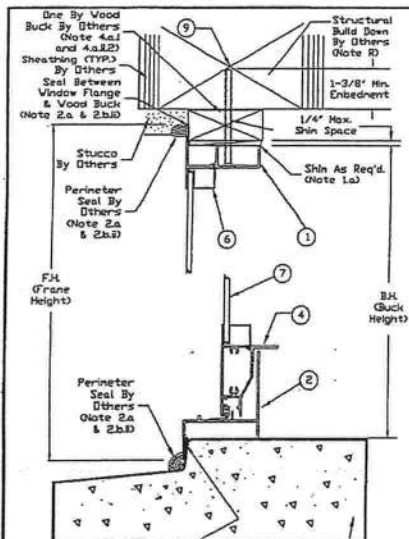


Drawing No. FLEX21110 Sheet 2 of 2

Florida Extruders Int'l., Inc.
2540 Sweet Lane - Suwanee, GA 30071
404-231-2800 - 404-231-2801 (fax)
www.floridawindows.com
Florida CDA No. 9235

REVISIONS

NO.	DATE	DESCRIPTION
1	3/02/07	Initial Release
2	12/12/07	Revised to meet 2007 Florida Building Code
3	12/12/07	Revised to meet 2007 Florida Building Code
4	12/12/07	Revised to meet 2007 Florida Building Code
5	12/12/07	Revised to meet 2007 Florida Building Code



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" embedment. See Note (I) on this drawing and Note 7 on Drawing FLEX20100.
- 9 #10 Flat Head Wood or Tapping Screw, with a minimum embedment of 1-3/8" into "Structural Two By Buck or Framing". See Note (K) on this drawing and Note 8 on Drawing FLEX20100.

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-Impact Resistant glazed windows.
- (C) Production Glazing may differ from that tested as allowed by ANSI/AMA/NWMA 101/LS. 2, 101/LS. 2/NAPS or AMA/NWMA/CSA 101/LS. 2/NAPS 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 3 1/4". Minimum size and embedment per Parts List. See Note (H) regarding deviations.
- (F) Wood or tapping screw edge distance measured from edge of wood to centerline of wood or tapping screw must meet or exceed 1". Minimum size and embedment per Parts List. See Note (H) regarding deviations.
- (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.

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 Vulcan Structural Adhesive (or other approved equal) as applicable) to achieve the design pressure specified on the fastener product as required by the 2001 Florida Building Code (FBC), Section 1707.4.4, 2004 FBC-Building, Section 1714.4.4 and the 2004 FBC-Residential, Section R613.6. Recommendations regarding flashing, sealing, fasteners or other joint sealant practices does not constitute a warranty either expressed or implied.

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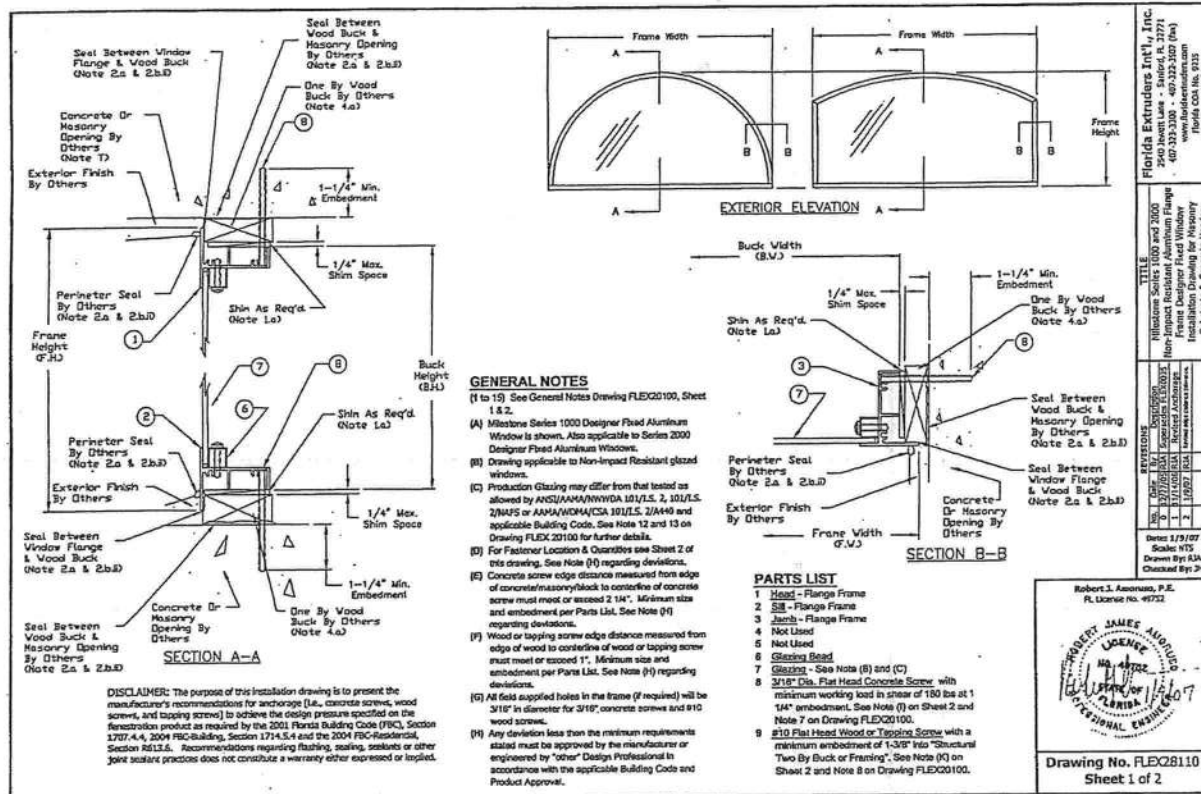
AMOROSO ENGINEERING
1001 S. US HWY 1
SUITE 100
FORT MYERS, FL 33901
888.444.4444
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DATE: 03/24/07
SCALE: NTS
DRAWN BY: JCA
CHECKED BY: JH

Drawing No. FLEX22110
Sheet 1 of 2

FASTENER LOCATION TABLE (see Elevation View, Sheet 1)

Series	Size Code	Frame Width and Height			Fastener Screw Location	
		Width	Height (Full Radius)	Height (Jamb Radius)	Head (No. 10 WS)	Jamba (No. 10 WS or Concrete Screw)
100015000000	12	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	13	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	14	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	14S	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	15	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	16	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	17	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	18	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	19	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	20	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I, J, K, Y, Z
100015000000	21	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	22	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	23	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	24	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	25	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	26	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	27	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	28	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	29	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	30	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	31	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	32	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	33	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	34	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	35	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	36	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	37	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	38	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	39	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	40	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	41	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	42	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	43	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	44	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	45	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	46	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	47	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	48	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	49	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	50	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	51	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	52	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	53	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	54	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	55	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	56	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	57	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	58	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	59	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	60	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	61	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	62	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	63	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	64	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	65	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	66	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	67	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
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100015000000	69	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	70	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	71	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	72	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	73	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	74	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	75	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	76	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	77	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	78	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	79	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	80	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	81	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	82	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	83	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	84	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	85	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	86	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	87	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	88	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	89	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	90	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	91	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	92	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	93	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	94	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	95	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	96	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	97	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	98	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	99	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I
100015000000	100	19 1/8	26 1/2	26 1/2	28 3/16	A, B, C, D, E, F, G, H, I



Florida Extruders Int'l., Inc.
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REVISIONS

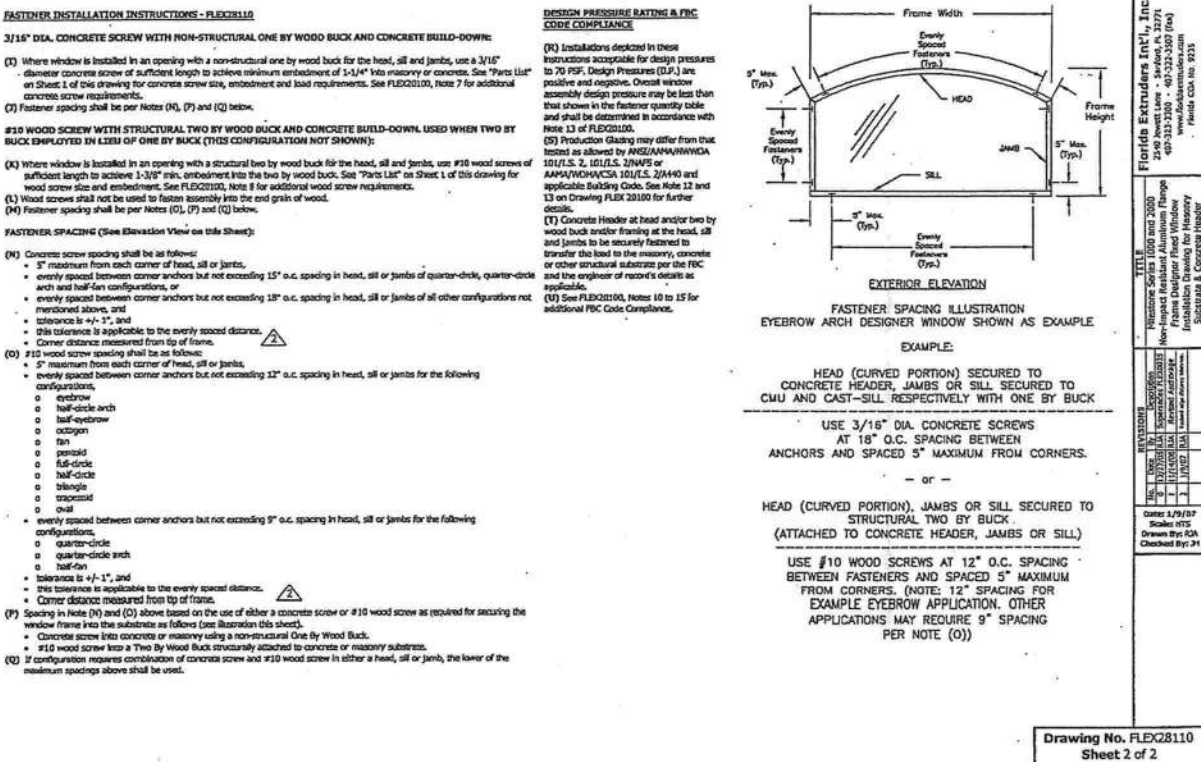
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1	1/9/07	Scale: 1/8" = 1'-0"
2	1/11/07	Revised fastener quantities
3	1/11/07	Revised fastener quantities
4	1/11/07	Revised fastener quantities

Drawn By: RJA
Checked By: JH

Robert J. Anderson, P.E.
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PROBERT JAMES ANDERSON
Professional Engineer
No. 49752
FLORIDA
1/11/07

Drawing No. FLEX28110
Sheet 1 of 2



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REVISIONS

NO.	DATE	DESCRIPTION
1	1/9/07	Scale: 1/8" = 1'-0"
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4	1/11/07	Revised fastener quantities

Drawn By: RJA
Checked By: JH

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Professional Engineer
No. 49752
FLORIDA
1/11/07

Drawing No. FLEX28110
Sheet 2 of 2

Florida Product Approval # FL9236.1

HORIZONTAL

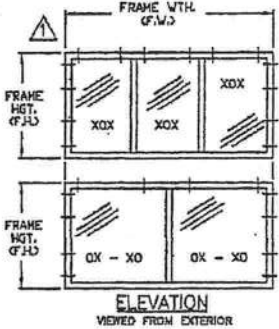
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FASTENER QUANTITIES TABLE (See Elevation View which depicts for illustrative purposes only maximum number of fasteners in Head & Jamb)

Series 1000 Horizontal Slider OX - OX Configuration				
Size Code	Frame (1)	Fastener Quantities (2)	Head	Jamba
1H2	25 1/2	28	4	2
1H3	25 1/2	28 3/8	4	2
1H4	25 1/2	28 3/8	4	2
1H4S	25 1/2	28 1/4	4	4
1H5	25 1/2	63	4	4
1H6	25 1/2	72	4	4
2H2	30 1/2	28	4	2
2H3	30 1/2	28 3/8	4	2
2H4	30 1/2	28 3/8	4	2
2H4S	30 1/2	28 1/4	4	4
2H5	30 1/2	63	4	4
2H6	30 1/2	72	4	4
3H2	35 1/2	28	4	2
3H3	35 1/2	28 3/8	4	2
3H4	35 1/2	28 3/8	4	2
3H4S	35 1/2	28 1/4	4	4
3H5	35 1/2	63	4	4
3H6	35 1/2	72	4	4
4H2	40 1/2	28	4	2
4H3	40 1/2	28 3/8	4	2
4H4	40 1/2	28 3/8	4	2
4H4S	40 1/2	28 1/4	4	4
4H5	40 1/2	63	4	4
4H6	40 1/2	72	4	4
5H2	45 1/2	28	4	2
5H3	45 1/2	28 3/8	4	2
5H4	45 1/2	28 3/8	4	2
5H4S	45 1/2	28 1/4	4	4
5H5	45 1/2	63	4	4
5H6	45 1/2	72	4	4

Series 1000 Horizontal Slider OX - OX Configuration				
Size Code	Frame (1)	Fastener Quantities (2)	Head	Jamba
1O2	74	28	4	2
1O3	74	28 3/8	4	2
1O4	74	28 3/8	4	2
1O4S	74	28 1/4	4	4
1O5	74	63	4	4
1O6	74	72	4	4
2O2	84	24	4	2
2O3	84	24 3/8	4	2
2O4	84	24 3/8	4	2
2O4S	84	24 1/4	4	4
2O5	84	54	4	4
2O6	84	60	4	4
3O2	94	24	4	2
3O3	94	24 3/8	4	2
3O4	94	24 3/8	4	2
3O4S	94	24 1/4	4	4
3O5	94	54	4	4
3O6	94	60	4	4
4O2	104	24	4	2
4O3	104	24 3/8	4	2
4O4	104	24 3/8	4	2
4O4S	104	24 1/4	4	4
4O5	104	54	4	4
4O6	104	60	4	4
5O2	114	24	4	2
5O3	114	24 3/8	4	2
5O4	114	24 3/8	4	2
5O4S	114	24 1/4	4	4
5O5	114	54	4	4
5O6	114	60	4	4

Series 1000 Horizontal Slider OX - OX Configuration				
Size Code	Frame (1)	Fastener Quantities (2)	Head	Jamba
1O2	74	28	4	2
1O3	74	28 3/8	4	2
1O4	74	28 3/8	4	2
1O4S	74	28 1/4	4	4
1O5	74	63	4	4
1O6	74	72	4	4
2O2	108 1/4	28	4	2
2O3	108 1/4	28 3/8	4	2
2O4	108 1/4	28 3/8	4	2
2O4S	108 1/4	28 1/4	4	4
2O5	108 1/4	72	4	4
2O6	108 1/4	72	4	4
3O2	111	28	4	2
3O3	111	28 3/8	4	2
3O4	111	28 3/8	4	2
3O4S	111	28 1/4	4	4
3O5	111	54	4	4
3O6	111	60	4	4
4O2	123	28	4	2
4O3	123	28 3/8	4	2
4O4	123	28 3/8	4	2
4O4S	123	28 1/4	4	4
4O5	123	54	4	4
4O6	123	60	4	4
5O2	126	28	4	2
5O3	126	28 3/8	4	2
5O4	126	28 3/8	4	2
5O4S	126	28 1/4	4	4
5O5	126	54	4	4
5O6	126	60	4	4
6O2	138	28	4	2
6O3	138	28 3/8	4	2
6O4	138	28 3/8	4	2
6O4S	138	28 1/4	4	4
6O5	138	54	4	4
6O6	138	60	4	4
7O2	141	28	4	2
7O3	141	28 3/8	4	2
7O4	141	28 3/8	4	2
7O4S	141	28 1/4	4	4
7O5	141	54	4	4
7O6	141	60	4	4
8O2	153	28	4	2
8O3	153	28 3/8	4	2
8O4	153	28 3/8	4	2
8O4S	153	28 1/4	4	4
8O5	153	54	4	4
8O6	153	60	4	4
9O2	165	28	4	2
9O3	165	28 3/8	4	2
9O4	165	28 3/8	4	2
9O4S	165	28 1/4	4	4
9O5	165	54	4	4
9O6	165	60	4	4
10O2	177	28	4	2
10O3	177	28 3/8	4	2
10O4	177	28 3/8	4	2
10O4S	177	28 1/4	4	4
10O5	177	54	4	4
10O6	177	60	4	4



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) Installation 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 FLEQ2100.
- (R) Production Glazing may differ from that tested as allowed by ANSI/AAMA/NWMA 101/L.S. 2, 101/L.S. 2/HA/PS or AAMA/WDMA/CSA 101/L.S. 2/HA/40 and applicable Building Code. See Note 12 and 13 on Drawing FLEX 25110 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 RRC and the engineer of record's data as applicable.
- (T) See FLEQ2100, Notes 10 to 15 for additional PRC Code Compliance.

Fastener Quantities Table Notes:

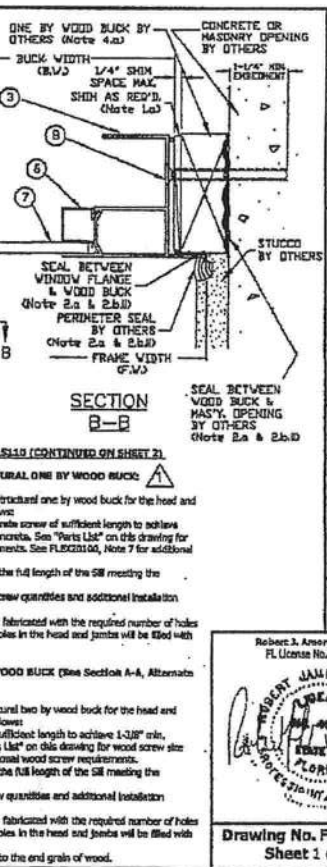
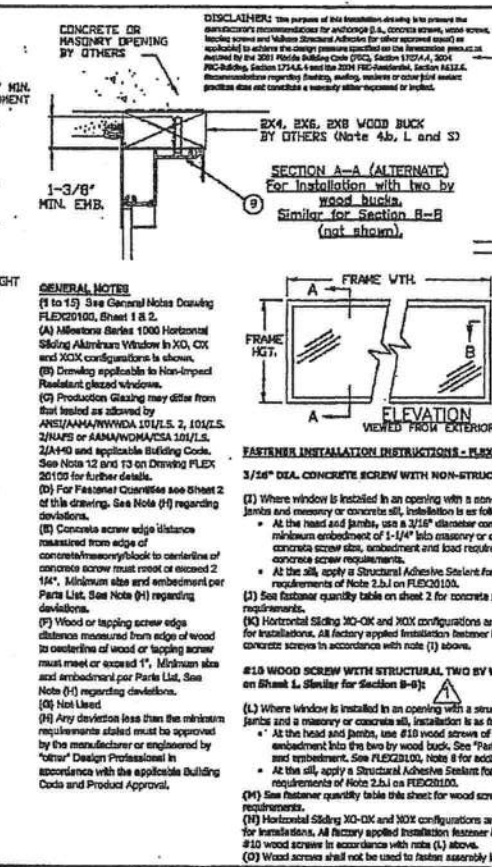
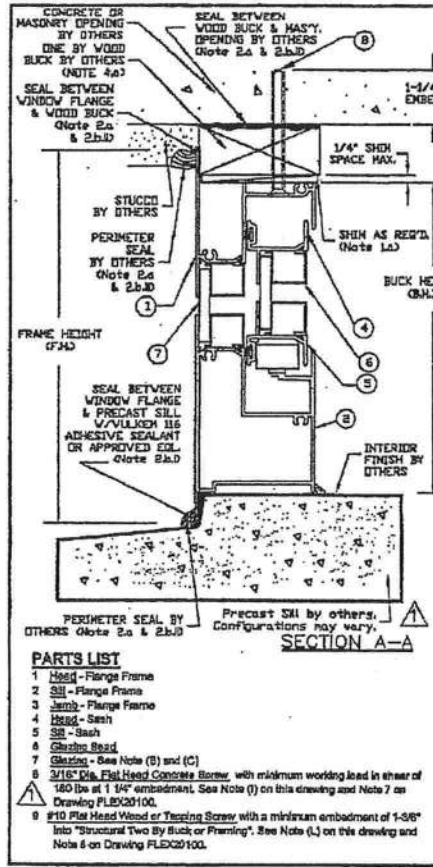
- 1) Buck Width and Height = Frame Width or Height - 1".
- 2) Only the required number of holes at the correct locations will be present in the frame based on the number of fasteners to be installed listed above.

Drawing No. FLEX25110
Sheet 2 of 2

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GENERAL NOTES

- (1) To 15) See General Notes Drawing FLEQ2100, Sheet 1 & 2.
- (A) Minimums for Series 1000 Horizontal Sliding Aluminum Window in XO, OX and OXO configurations is shown.
- (B) Drawing applicable to Non-Impact Resistant glazed windows.
- (C) Production Glazing may differ from that tested as allowed by ANSI/AAMA/NWMA 101/L.S. 2, 101/L.S. 2/HA/PS or AAMA/WDMA/CSA 101/L.S. 2/HA/40 and applicable Building Code. See Note 12 and 13 on Drawing FLEX 25110 for further details.
- (D) For Fastener Quantities see Sheet 2 of this drawing. See Note (P) regarding deviations.
- (E) Concrete screw edge distances measured from edge of concrete/masonry to centerline of concrete screw must meet or exceed 2 1/4". Minimum size and embedment per Parts List. See Note (H) regarding deviations.
- (F) Wood or tapping screw edge distances measured from edge of wood to centerline of wood or tapping screw must meet or exceed 1". Minimum size and embedment per Parts List. See Note (H) regarding deviations.
- (G) Any deviation less than the minimum requirements stated must be approved by the manufacturer or engineer by "other" Design Professional in accordance with the applicable Building Code and Product Approval.
- (H) Not Used.
- (I) Where window is installed in an opening with a non-structural one by wood buck for the head and jamb and a masonry or concrete sill, installation is as follows:
 - At the head and jamb, 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 this drawing for concrete screw sizes, embedment and load requirements. See FLEQ2100, Note 7 for additional concrete screw requirements.
 - At the sill, apply a Structural Adhesive Sealant for the full length of the sill meeting the requirements of Note 2.5.1 on FLEQ2100.
- (J) See fastener quantity table on sheet 2 for concrete screw quantities and additional installation requirements.
- (K) Horizontal Sliding XO-OX and OXO configurations are fabricated with the required number of holes for installations. All factory applied installation fastener holes in the head and jamb will be filled with concrete screws in accordance with note (I) above.
- (L) Where window is installed in an opening with a structural two by wood buck for the head and jamb and a masonry or concrete sill, installation is as follows:
 - At the head and jamb, use #10 wood screws of sufficient length to achieve 1-3/8" min. embedment into the two by wood buck. See "Parts List" on this drawing for wood screw size and embedment. See FLEQ2100, Note 8 for additional wood screw requirements.
 - At the sill, apply a Structural Adhesive Sealant for the full length of the sill meeting the requirements of Note 2.5.1 on FLEQ2100.
- (M) See fastener quantity table this sheet for wood screw quantities and additional installation requirements.
- (N) Horizontal Sliding XO-OX and OXO configurations are fabricated with the required number of holes for installations. All factory applied installation fastener holes in the head and jamb will be filled with #10 wood screws in accordance with note (L) above.
- (O) Wood screws shall not be used to fasten assembly into the end grain of wood.

PARTS LIST

- 1 Head - Flange Frame
- 2 Sill - Flange Frame
- 3 Jamb - Flange Frame
- 4 Head - Sash
- 5 Sill - Sash
- 6 Glazing Bead
- 7 Glazing - See Note (B) and (C)
- 8 3/16" Dia. Flat Head Concrete Screw, with minimum working lead in shear of 180 lbs at 1 1/4" embedment. See Note (I) on this drawing and Note 7 as Drawing FLEQ2100.
- 9 #10 Flat Head Wood or Tapping Screw with a minimum embedment of 1-5/8" into Structural Two By Buck or Framing. See Note (L) on this drawing and Note 8 on Drawing FLEQ2100.

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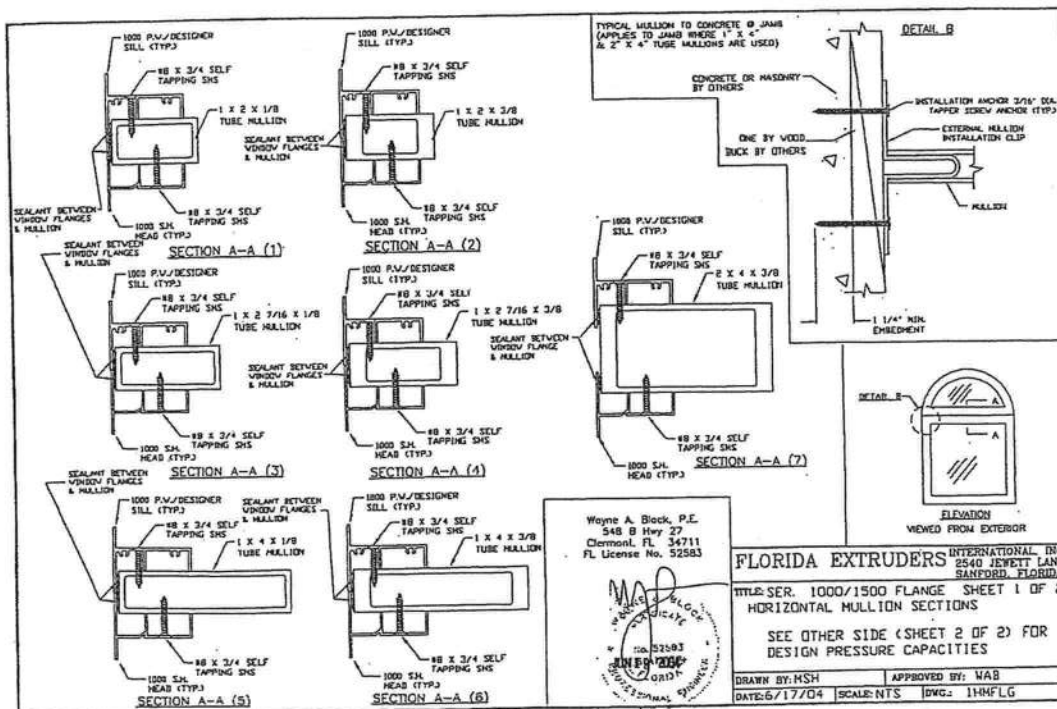
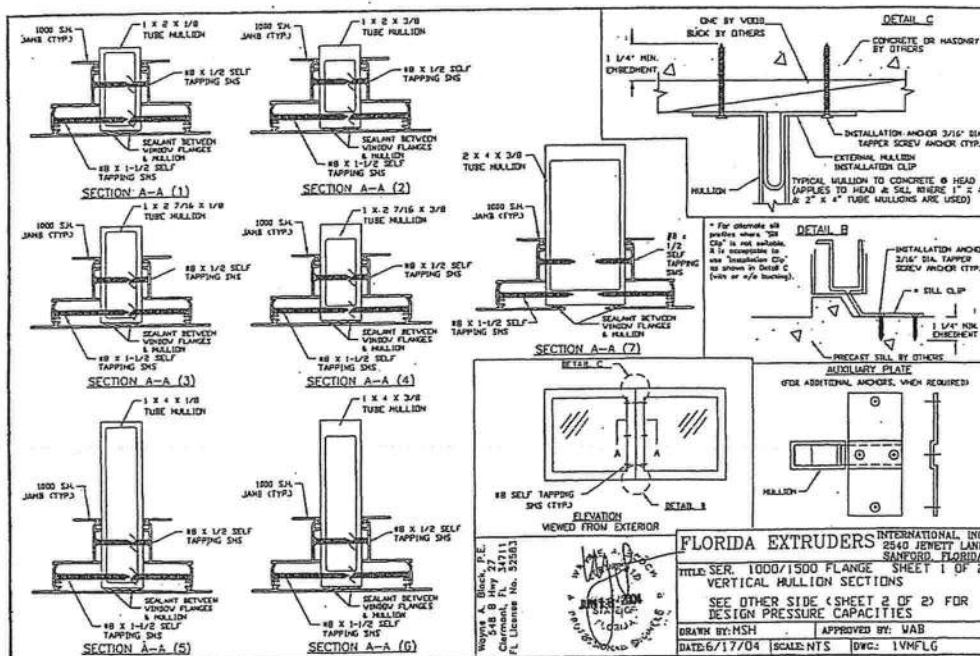
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Drawing No. FLEX25110
Sheet 1 of 2

FLORIDA EXTRUDERS
WINDOWS IN BLOCK
4 of 6

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REVISIONS:
2-16-09 Updated to Code.



PARTS LIST

- 1 Head - Flange Frame
- 2 SH - Flange Frame
- 3 Jamb - Flange Frame
- 4 Head - Panel
- 5 SH - Panel
- 6 Lock Site - Panel
- 7 Jamb Site - Panel
- 8 Hook Site
- 9 Glazing - See Note (B) and (V)
- 10 3/16" Dia. Flat Head Concrete Screw, with minimum working load in shear of 180 lbs at 1-1/4" embedment. See Note (K) on this drawing and Note 7 on Drawing FLEXQ110.
- 11 SH Wood or Tapping Screw with a minimum embedment of 1-1/8" into two by framing. See Note (P) on this drawing and Note 8 on Drawing FLEXQ2100.
- 12 SH Wood or Tapping Screw with Plastic Inserts (Note B) on FLEXQ2100 at a minimum embedment of 7/8" into the concrete sill. See Note (C) on this drawing and Note 8 on Drawing FLEXQ2100.

1/4" MAX. SHIM SPACE

← S.G.B. WIDTH

1-1/4" MAX. SHIM SPACE

1-1/8" MIN. EMBEDMENT

TWO BY TWO BY OTHERS
(Note 4b & V)

SHIM AS REQ'D.
(Note 1c)

SEAL BETWEEN FLANGE & SHEATHING
(Note 2a & 2d)

PERIMETER SEAL BY OTHERS
(Note 2a & 2d)

STUCCO OR SIDING BY OTHERS

SHEATHING BY OTHERS

SECTION B-B

DISCLAIMER: The purpose of this Installation drawing is to present the manufacturer's recommendations for architecture (i.e., concrete screws, weld access and tapping screws) to achieve the design pressure specified on the fastener product as required by the 2001 Florida Building Code (FBC), Section 1907.4.4, and 2004 FBC-Rising, Section 1907.4.4 and the 2004 FBC-Residential, Section R512.1. Recommendations regarding flashing, sealing, sealants or other joint sealant practices not covered in a hierarchy either expressed or implied.

Size Code	Configuration	Width	Height	Jambs (Min. 3" VCB)	Head (Min. 3" VCB)	Stud (Min. 3" VCB)	Hook Bury (Min. 3" VCB)
4058	XX, CL, 1/2	45	80	8	12	12	8
3068	XX, CL, 1/2	65	80	8	5	2, 25	5
2068	XX, CL, 1/2	85	80	8	5	2, 25	5
8068	XX, CL, 1/2	105	80	8	12	8	8
10568	XX, CL, 1/2	125	80	8	12	8	8
20568	XX, CL, 1/2	145	80	8	12	8	8
30568	XX, CL, 1/2	165	80	8	12	8	8
40568	XX, CL, 1/2	185	80	8	12	8	8
50568	XX, CL, 1/2	205	80	8	12	8	8
60568	XX, CL, 1/2	225	80	8	12	8	8
70568	XX, CL, 1/2	245	80	8	12	8	8
80568	XX, CL, 1/2	265	80	8	12	8	8
90568	XX, CL, 1/2	285	80	8	12	8	8
100568	XX, CL, 1/2	305	80	8	12	8	8
110568	XX, CL, 1/2	325	80	8	12	8	8
120568	XX, CL, 1/2	345	80	8	12	8	8
130568	XX, CL, 1/2	365	80	8	12	8	8
140568	XX, CL, 1/2	385	80	8	12	8	8
150568	XX, CL, 1/2	405	80	8	12	8	8
160568	XX, CL, 1/2	425	80	8	12	8	8
170568	XX, CL, 1/2	445	80	8	12	8	8
180568	XX, CL, 1/2	465	80	8	12	8	8
190568	XX, CL, 1/2	485	80	8	12	8	8
200568	XX, CL, 1/2	505	80	8	12	8	8
210568	XX, CL, 1/2	525	80	8	12	8	8
220568	XX, CL, 1/2	545	80	8	12	8	8
230568	XX, CL, 1/2	565	80	8	12	8	8
240568	XX, CL, 1/2	585	80	8	12	8	8
250568	XX, CL, 1/2	605	80	8	12	8	8
260568	XX, CL, 1/2	625	80	8	12	8	8
270568	XX, CL, 1/2	645	80	8	12	8	8
280568	XX, CL, 1/2	665	80	8	12	8	8
290568	XX, CL, 1/2	685	80	8	12	8	8
300568	XX, CL, 1/2	705	80	8	12	8	8
310568	XX, CL, 1/2	725	80	8	12	8	8
320568	XX, CL, 1/2	745	80	8	12	8	8
330568	XX, CL, 1/2	765	80	8	12	8	8
340568	XX, CL, 1/2	785	80	8	12	8	8
350568	XX, CL, 1/2	805	80	8	12	8	8
360568	XX, CL, 1/2	825	80	8	12	8	8
370568	XX, CL, 1/2	845	80	8	12	8	8
380568	XX, CL, 1/2	865	80	8	12	8	8
390568	XX, CL, 1/2	885	80	8	12	8	8
400568	XX, CL, 1/2	905	80	8	12	8	8
410568	XX, CL, 1/2	925	80	8	12	8	8
420568	XX, CL, 1/2	945	80	8	12	8	8
430568	XX, CL, 1/2	965	80	8	12	8	8
440568	XX, CL, 1/2	985	80	8	12	8	8
450568	XX, CL, 1/2	1005	80	8	12	8	8
460568	XX, CL, 1/2	1025	80				

Feature Installation Check Notes:

1) Are some concrete concrete screws are only required in one of the factory applied installation hole sets (i.e., a hole cast during the hole tying in place a peripheral rebar in the width of the door frame). In those cast designs, the hole cast in the center of the hole will receive a concrete screw. The hole cast in the perimeter will be filled in accordance with Notes Q and R.

2) In some concrete concrete screws are required in both factory applied installation hole sets. "11" through "16" designate in which size & configurations two concrete screws are required. The remaining holes will be filled in accordance with Note Q.

3) "10" means, install two concrete screws in one set of installation holes.

4) "12" means, install two concrete screws in two sets of installation holes.

5) "13" means, install two concrete screws in three sets of installation holes.

6) "14" means, install two concrete screws in four sets of installation holes.

7) "16" means, install two concrete screws in five sets of installation holes.

8) "18" means, install two concrete screws in six sets of installation holes.

9) "20" means, install two concrete screws in seven sets of installation holes.

10) "22" means, install two concrete screws in eight sets of installation holes.

11) "24" means, install two concrete screws in nine sets of installation holes.

12) Location of additional concrete screws in hand holes is determined as follows:

a) First adjacent to inside or outside jamb cast in hand & sill.

b) Secondly, at each end of hand & sill near jamb corner, if provided.

13) Screws in hand & sill other than as listed in a & b.

14) Location of additional concrete screws to be installed are as follows:

a) First, adjacent to locks in jamb.

b) Secondly, at each end of wood new hand & set carriers.

c) Location in jamb corner if provided as listed in a & b.

15) C1 = concrete screw and WS = wood screw

GENERAL NOTES

(1) to (15) See General Notes Drawing RUCG1010, Sheet 1 & 2.

(16) Milners Series 1000 Sliding Glass Door is shown. Also applicable to Milestone Series 2000 Sliding Glass Door.

(17) Drawing applies to Non-Impact Resistant Sliding Glass Doors glazed with 3/16" fully tempered glass. See Note (V).

(18) Where "X" represents moving panel and "O" represents fixed panel, approved configurations are as listed on the fastener installation chart on Sheet 2.

(19) Not all configurations listed on the fastener chart are shown on this drawing, however installation sections "A-A", "B-B" & Hook Strip Detail show the installation of all approved configurations.

(20) For pocket door configurations, use doestop by-pass door size and configuration in the chart to the finished opening of the pocket door.

(21) Concrete screw edge distances measured from edge of concrete/masonry/pole to centerline of concrete screw must meet or exceed 2 1/4".

(22) Minimum size and embedment per Parts List. See Note (J) regarding deviations.

(23) Edge distance of fasteners must be at least 1 1/2" from edge of wood or metal. The fastener must be driven to the point to centerline of wood or tapping screw must meet or exceed 1 1/2". Minimum size and embedment per Parts List. See Note (J) regarding deviations.

(24) All field supplied holes in the frame (if required) will be 3/16" in diameter.

(25) Wood screw withdrawal values used to generate the fastening requirements are based on Spruce-Pine-Fir with a Specific Gravity of 0.50.

(26) See Note (J) regarding deviations.

(27) Any deviation from 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 INSTALLATION INSTRUCTIONS
3/16" DIA. CONCRETE SCREW WITH STILL

(K) Where door is installed in an opening with a masonry or concrete sill, 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 fastener requirements. See FLEDB001010, Note 7 for additional concrete screw installation requirements.

(L) See fastener installation chart this sheet for concrete screw quantities and additional installation requirements.

(M) Install one concrete screw in each pair of factory applied fastener holes unless noted otherwise on the fastener installation chart. It is acceptable to install a 3/16" diameter concrete screw with a 1-1/4" embedment in all holes in the sill which will exceed the minimum embedment of the fastener.

(N) Alternate concrete screw installation fasteners front to back in the sill frame member when both sets of holes are not used.

(O) All remaining factory applied installation fastener holes in the sill not used for concrete screw installation shall be anchored with plastic anchors (see FLEDB001010, Note 8) for details) and #8 wood screws of sufficient length to provide min. 7/8" in. embedment into the masonry or concrete. See "Parts List" on Sheet 1 of this drawing for wood screw size and embedment requirements. See FLEDB001010, Note 8 for additional wood screw requirements.

68 WOOD SCREW WITH STRUCTURAL TWO BY WOOD

(P) Where the head, jamb and pocket door hook strip is installed in a wood opening with a structural two by wood buck and/or framing, use #8 wood screws of sufficient length to achieve 1-1/8" minimum embedment into the two by wood buck and/or framing providing the point of fastener applied installation holes. See "Parts List" on Sheet 1 of this drawing for wood screw size and embedment requirements. See FLEBC02100, Note 8 for additional wood screw requirements.

(Q) See fastener installation chart this sheet for #8 wood screw requirements in Part(s), head and hook strip.

(R) Not used.

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

DESIGN PRESSURE RATING & FBC CODE COMPLIANCE

(T) If exact door size is not listed in fastener installation chart, use fastener quantity listed for next larger size, for the appropriate design pressure required.

(U) Installations depicted in these instructions acceptable for design pressures to 55 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 FLEBC02100.

(V) Production Glazing may differ from that tested as allowed by ANSI/AAMA/HWDDA 101/UL 2, 101/UL 2/NAF5 or AAMA/HWDDA/CSA 101/UL 2/NAF4 and applicable listing code. Refer to Note 12 and 13 on Drawing FLEBC 101100 for further details.

(W) Two by wood buck and/or framing 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.

(X) See FLEBC02100, Notes 10 to 15 for additional FBC Code Compliance.

Division M

Drawing No. FLE024111
Sheet 2 of 2

AL BETWEEN
 K STRIP &
 D JUCK
 te 2a & 2d/d

1/8" MIN
 (CTPP)

7/8" MAX.

LATHING
 OTHERS

STRIP
TAIL

B C

(E)

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

JOSEPH JAMES AMOROSO
 LICENSE
 NO. 49752
 EXPIRATION 3/31/07
 SPECIAL FMT

Drawing No. FLEX24111
 Sheet 1 of 2

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 407-223-3301
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 Fort Lauderdale, FL 33334
 A. Word
 407-551-0100
 10000 S.W. 11th St., Suite 100
 Fort Lauderdale, FL 33334
 A. Word
 407-551-0100

TITLE
 Aluminum Scaffolding
 Non-impact Fastened
 Ramps From Sliding Glass
 Doors For ADA
 Compliance
 A. Word
 407-551-0100

REVISIONS
 NO. DATE BY DESCRIPTION
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 2 12/27/01 J. Amoroso
 3 02/27/02 J. Amoroso
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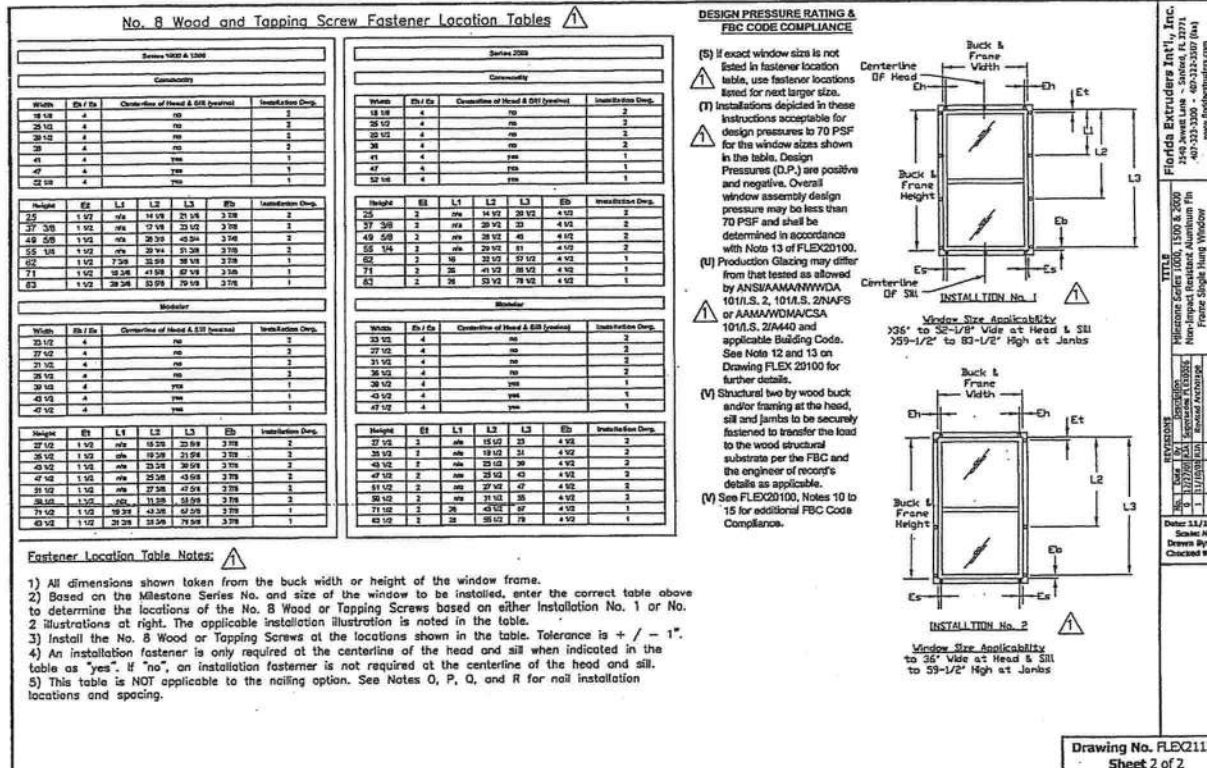
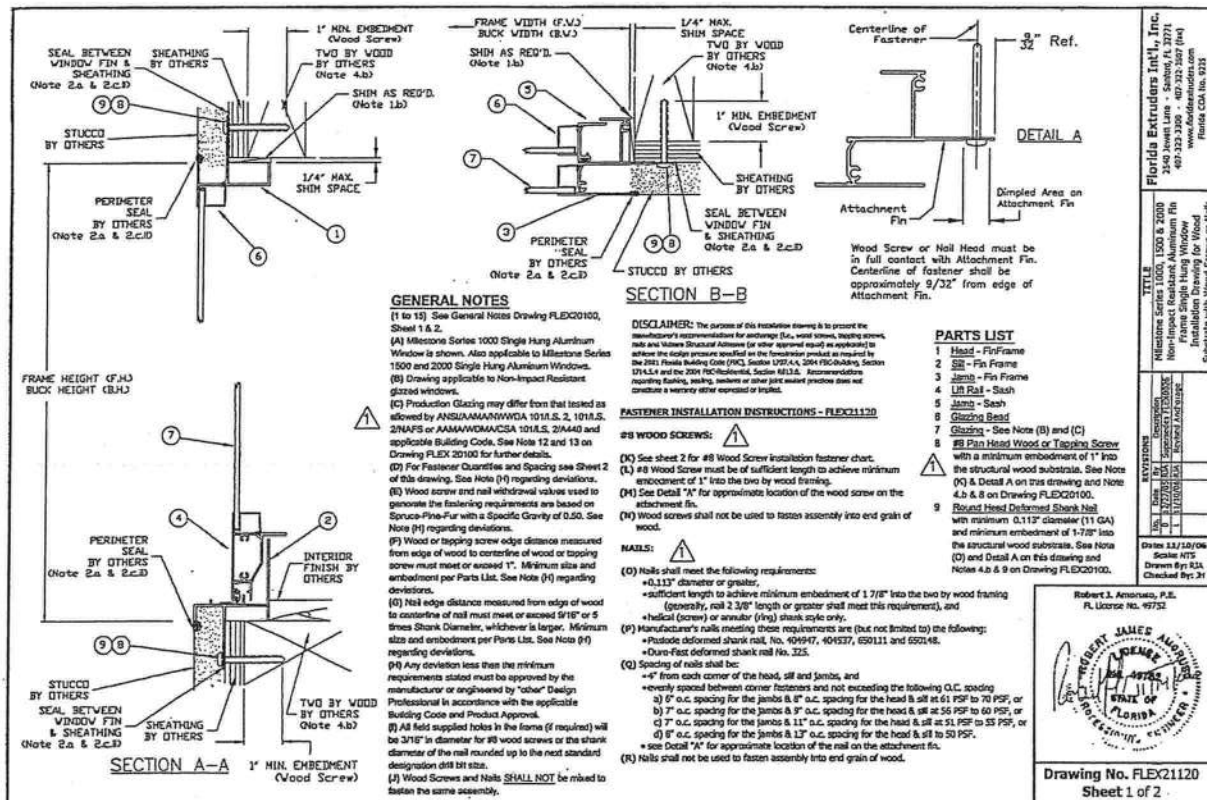
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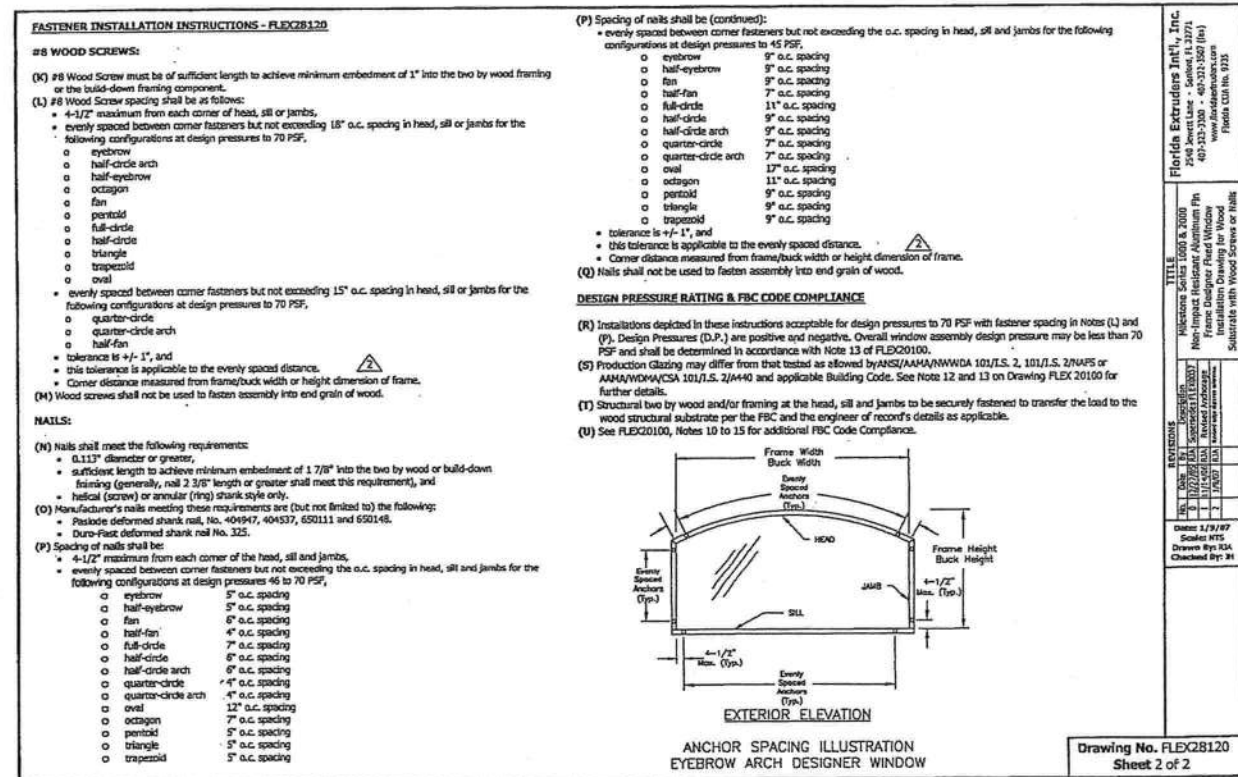
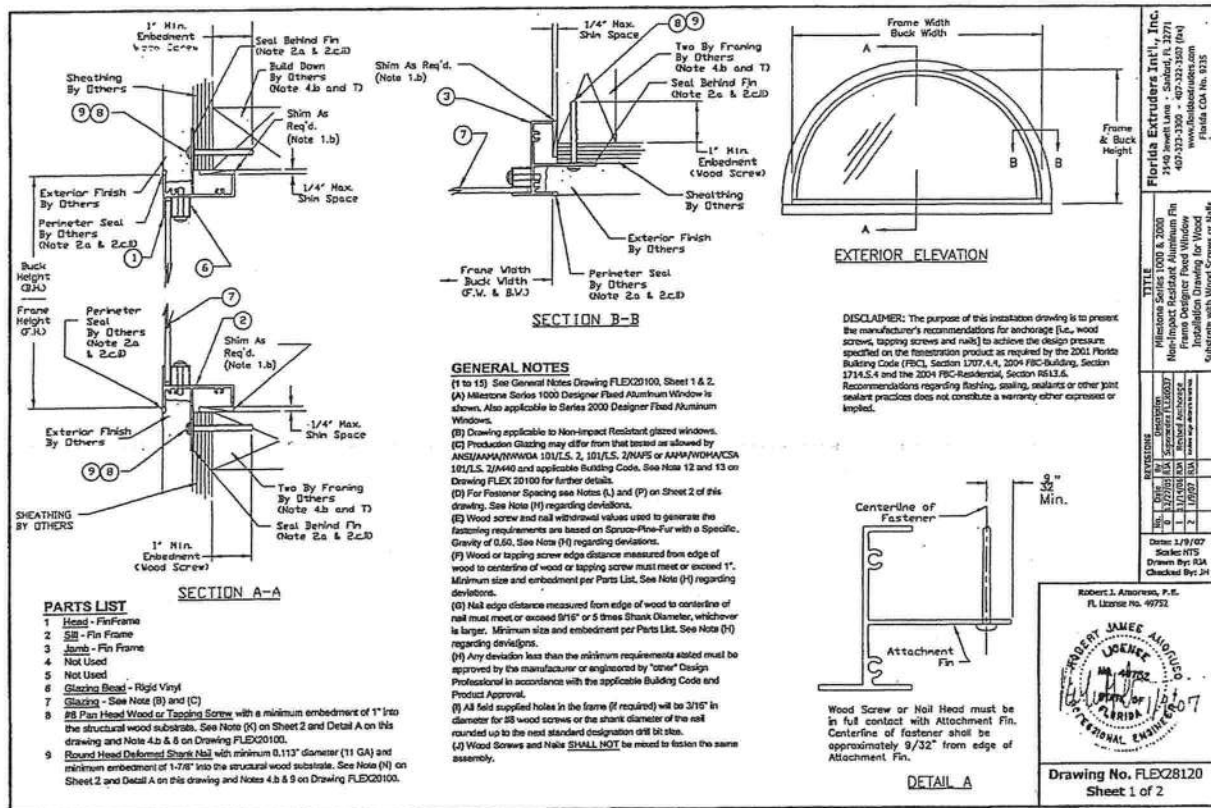
FLORIDA EXTRUDERS
WINDOWS IN BLOCK
6 of 6

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REVISIONS :
2-16-09 Updated to Code.





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REVISIONS

NO.	DATE	DESCRIPTION
1	1/12/07	Initial Release
2	1/12/07	Revised Anchorage
3	1/12/07	Revised Anchorage
4	1/12/07	Revised Anchorage

DATE: 1/19/07
SCALE: NTS
DRAWN BY: RJA
CHECKED BY: JH

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

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

Drawing No. FLEX28120
Sheet 1 of 2

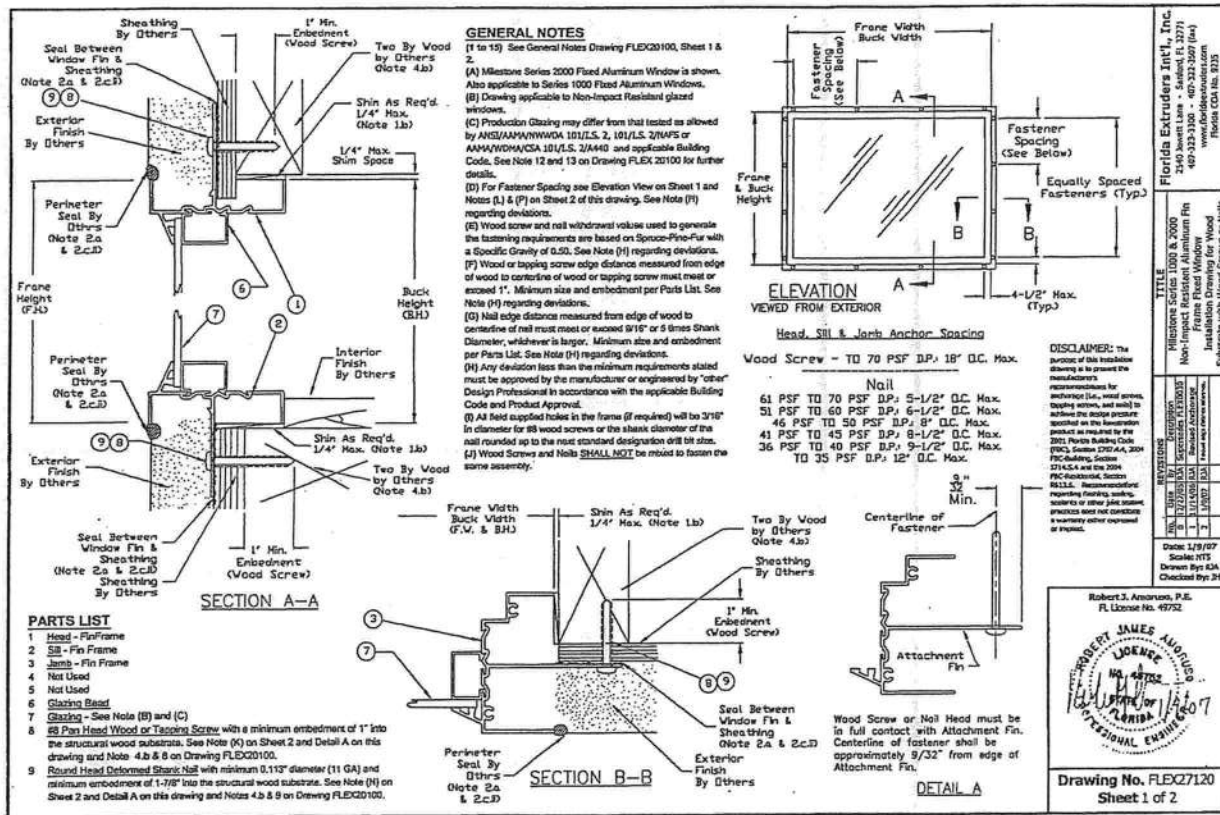
Florida Extruders Int'l., Inc.
 2948 Sweet Lane - Suite 1, 32771
 407-323-2302 - 407-323-2303 (fax)
 www.floridextruders.com
 Florida CCB No. 9235

REVISIONS

NO.	DATE	DESCRIPTION
1	1/12/07	Initial Release
2	1/12/07	Revised Anchorage
3	1/12/07	Revised Anchorage
4	1/12/07	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 distances.
 - 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 distances.
 - 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 the Elevation View on Sheet 1 of this drawing for the following window sizes:
 - to 32" x 80"
 - to 63" x 80"
 - 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/AIAA/WHWDA 101/LS. 2, 101/LS. 2/WHFS or AIAA/WHWDA 101/LS. 2/WHFS 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

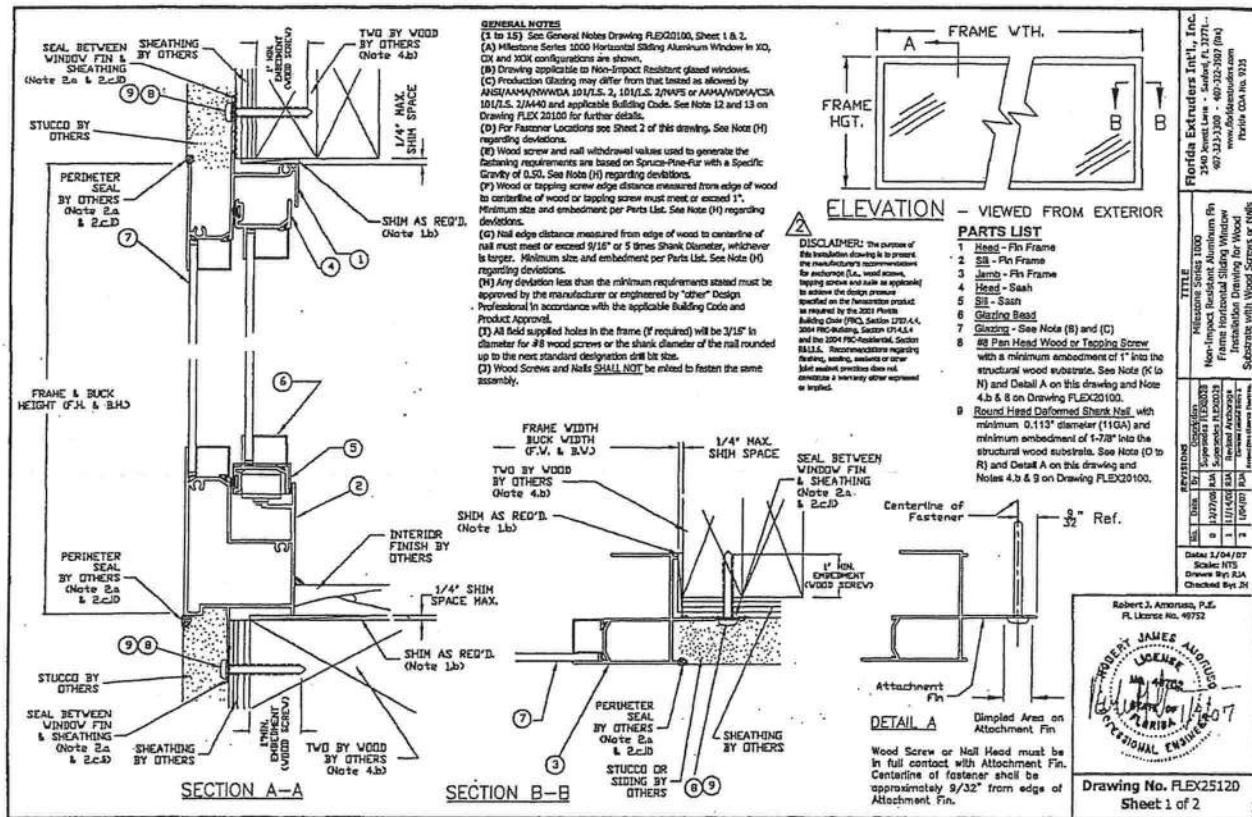
COPYRIGHT © 2002 MARONDA HOMES

Maronda Homes

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

REVISIONS:

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

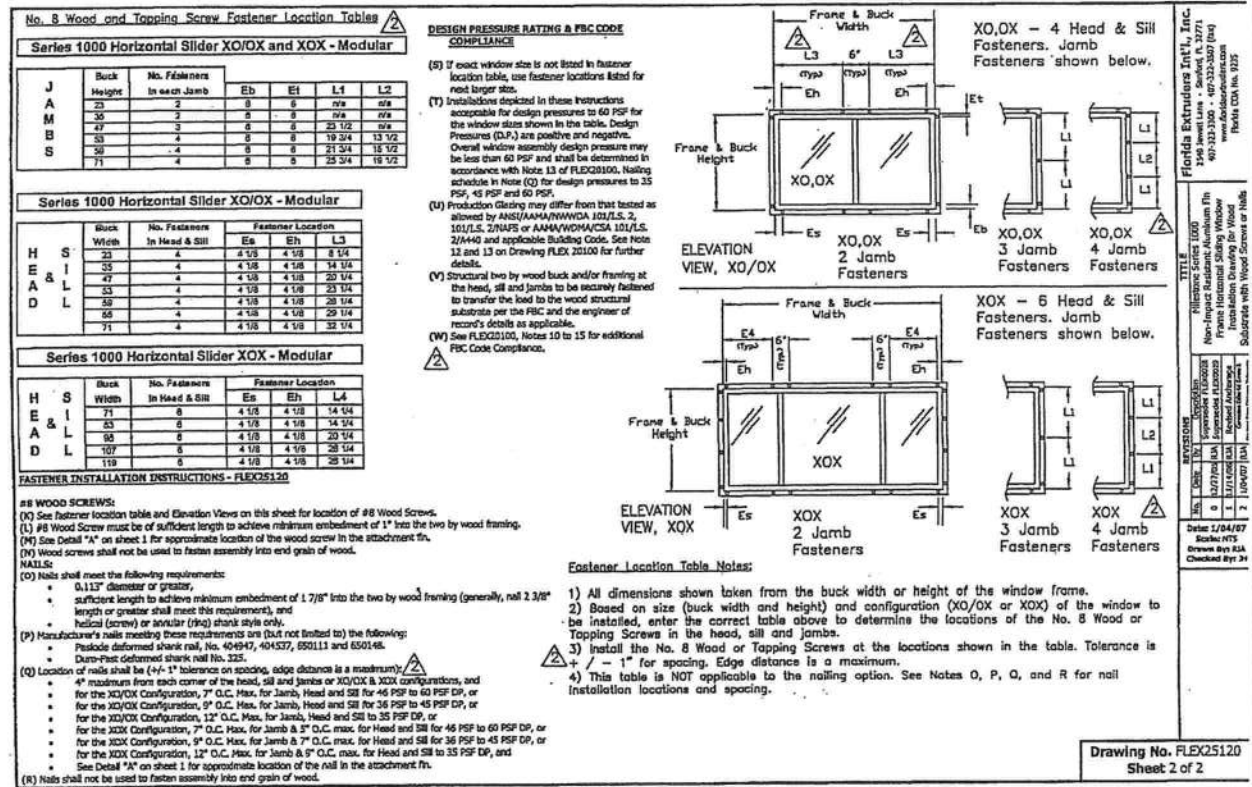


Florida Extruders Int'l., Inc.
2940 West Lake - Sanford, FL 32771-
407-321-2300 (Fax) 407-321-2309 (Tel)
www.floridawindows.com
Florida COA No. 9236

DATE: 1/24/07
SCALE: NTS
DRAWN BY: J.A.
CHECKED BY: J.A.

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

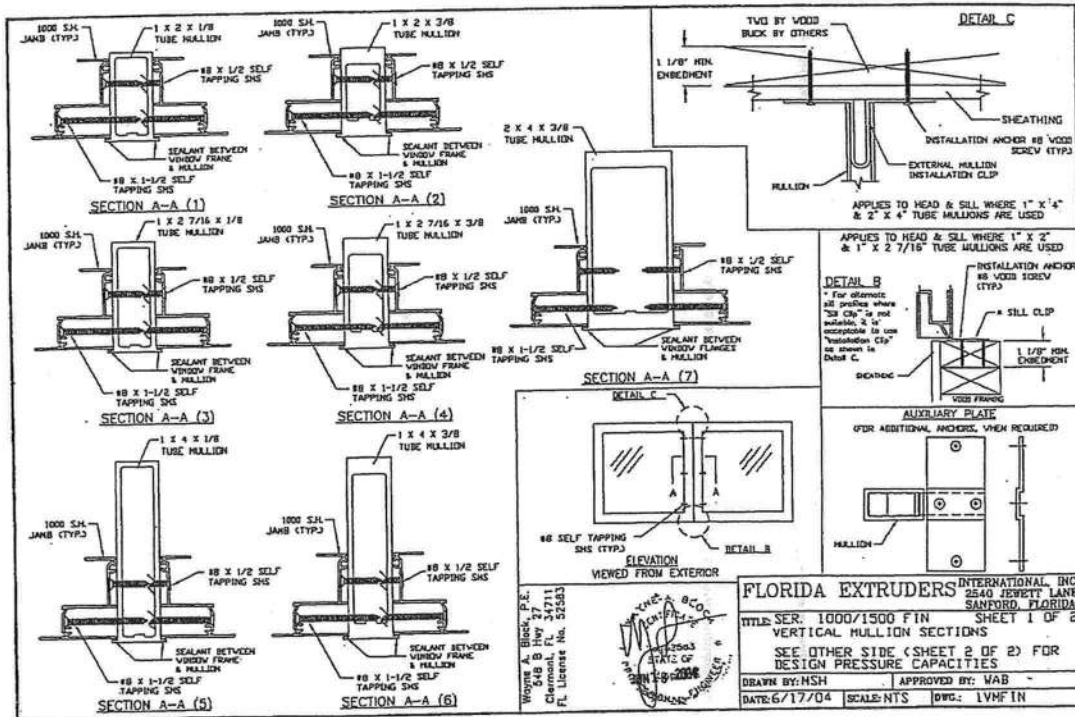
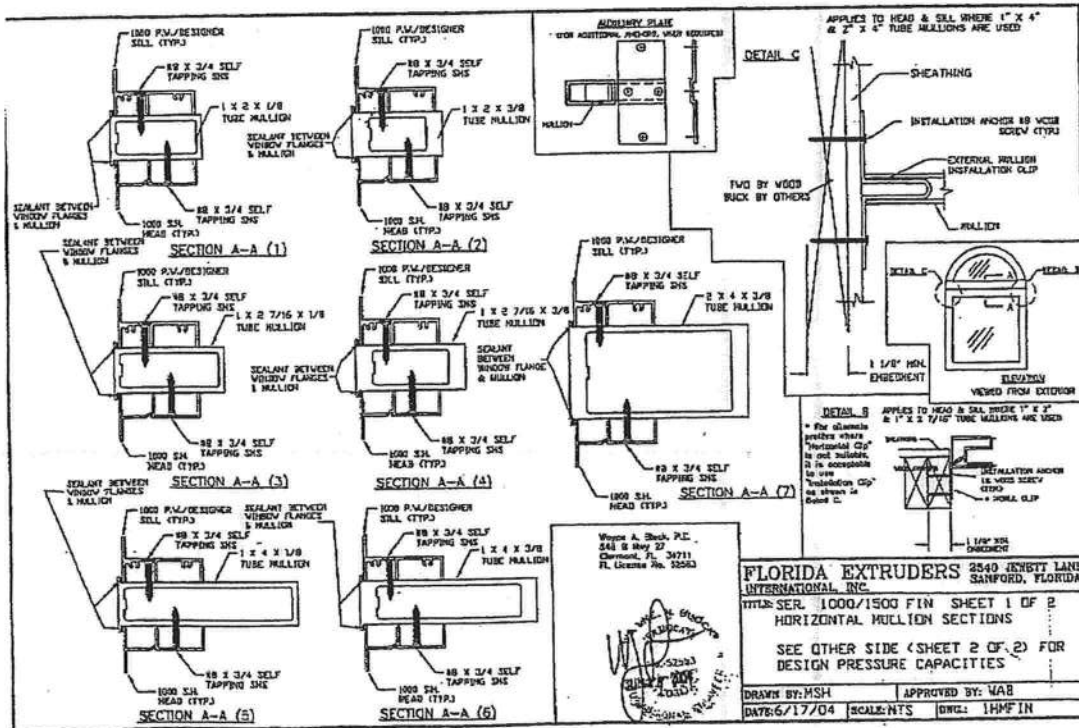
Drawing No. FLEX25120
Sheet 1 of 2



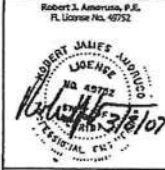
Florida Extruders Int'l., Inc.
2940 West Lake - Sanford, FL 32771-
407-321-2300 (Fax) 407-321-2309 (Tel)
www.floridawindows.com
Florida COA No. 9236

DATE: 1/24/07
SCALE: NTS
DRAWN BY: J.A.
CHECKED BY: J.A.

Drawing No. FLEX25120
Sheet 2 of 2



WINB



GENERAL NOTES

(1) to 15) See General Notes Drawing FLEC20100, Sheet 1 & 2.

(A) Milstone Series 1000 Sliding Glass Door is shown. Also applicable to Milstone Series 9000 Sliding Glass Door.

(B) Drawing applicable to Non-Impact Resistant Sliding Glass Doors glazed with 3/16" fully tempered glass. See Note (9).

(C) Where "T" represents moving panel and "D" represents fixed panel, approved configurations are as listed on the fastener installation chart on Sheet 2.

(D) Not all configurations listed on the fastener chart are shown on this drawing, however installation sections "A-A", "B-B" & Hook Strip Detail apply to installation of all approved configurations.

(E) Fastener door configurations, use closest-by-pair door size and configuration in the chart to the finished opening of the pocket door.

(F) Concrete screw edge distance measured from edge of concrete/masonry/block to centerline of concrete screw must meet or exceed 2 1/4". Minimum size and embedment per Parts List. See Note (C) regarding deviations.

(G) Wood or tapping screw edge distance measured from edge of wood receiving the point to centerline of wood or tapping screw must meet or exceed 1". Minimum size and embedment per Parts List. See Note (C) regarding deviations.

(H) All field supply holes in the frame (if required) will be 3/16" in diameter.

(I) Wood screw withdrawal values used to generate the fastening requirements are based on Spruce-Pine-Fir with a Specific Gravity of 0.50. See Note (C) regarding deviations.

(J) 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 INSTALLATION INSTRUCTIONS - FLEC4111

3/16" DIA. CONCRETE SCREW WITH SILL:

(A) Where door is installed in an opening with a masonry or concrete sill, 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 requirements. See FLEC20100, Note 7 for additional constraints and requirements.

(B) See fastener installation chart this sheet for concrete screw quantities and additional installation requirements.

(C) Install one concrete screw in each pair of factory applied installation holes unless noted otherwise on the fastener installation chart. It is acceptable to install a 3/16" diameter concrete screw with a 1-1/4" embedment in all holes in the sill which will exceed the minimum requirements of the Fastener Installation Chart.

(D) Alternate concrete screw installation fasteners front to back in the sill frame member when both sets of holes are not used.

(E) All remaining factory applied installation fastener holes in the sill not used for concrete screw installation shall be anchored with plastic anchors (see FLEC20100, Note 6J for details) and #8 wood screws of sufficient length to provide min. 7/8" in. embedment into the concrete or masonry. See "Parts List" on Sheet 1 of this drawing for wood screw size and embedment requirements. See FLEC20100, Note 8 for wood screw wood requirements.

#8 WOOD SCREW WITH STRUCTURAL TWO BY FOUR BUCK FOR HEAD, JAMBS AND POCKET DOOR HOOK STRIP:

(A) Where the head, jambs and pocket door hook strip is installed in a wood opening with a structural two by wood buck and/or framing, use #8 wood screws of sufficient length to achieve 1-1/8" minimum embedment into the two by wood buck and/or framing regardless of the point at all factory applied installation holes. See "Parts List" on Sheet 1 of this drawing for wood screw size and embedment requirements. See FLEC20100, Note 8 for additional wood screw requirements.

(B) See fastener installation chart this sheet for #8 wood screw requirements in Jam(s), head and hook strip.

(C) Not used.

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

DESIGN PRESSURE RATING & FBC CODE COMPLIANCE

(T) If exact door size is not listed in fastener installation chart, use fastener quantity listed for next larger size, for the approximate design pressure required.

(U) Installations depicted in these instructions acceptable for design pressures to 55 PSF for the window sizes shown in the chart. Design Pressures (D.P.s) 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 15 of FLEC20100.

(V) Protection Glazing may differ from that tested as allowed by ANSI/AIAA/HVMA W01.10/L.S. 2, 10U/L.S. 2, 20A/FS or AIAA/HVMA/CSA 1011.5S.2/1040 and applicable Building Code. See Note 12 and 13 on Drawing FLEC 20100 for further details.

(W) Two by wood and/or framing to be successfully 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.

(X) See FLEC20100, Notes 10 to 15 for additional FBC Code Compliance.

Drawing No.
Sheet

Drawing No. FLEX24111
Sheet 2 of 2

(H) 97200501

Certificate of ARI-Certified Performance

Barbury 30 / 2.5

The following

97200501

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

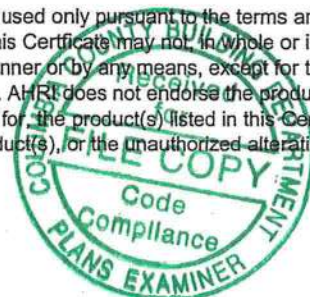
Today's Date: 3/22/2009

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 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.

TERMS AND CONDITIONS

This Certificate shall be used for individual, personal, and confidential reference purposes only, and may be used only pursuant to the terms and conditions listed. This Certificate and the contents hereof are proprietary products of AHRI. The contents of this Certificate may not, in whole or in part, be reproduced; copied; disseminated; entered into a computer database; or otherwise utilized, in any form or manner or by any means, except for the user's individual, personal and confidential reference. Contained herein are product information and certified ratings. AHRI does not endorse the product(s) listed in this Certificate and makes no representations, warranties or guarantees as to, and assumes no responsibility for, the product(s) listed in this Certificate. AHRI expressly disclaims all liability for damages of any kind arising out of the use or performance of the product(s), or the unauthorized alteration of data, listed in this Certificate.



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

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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.

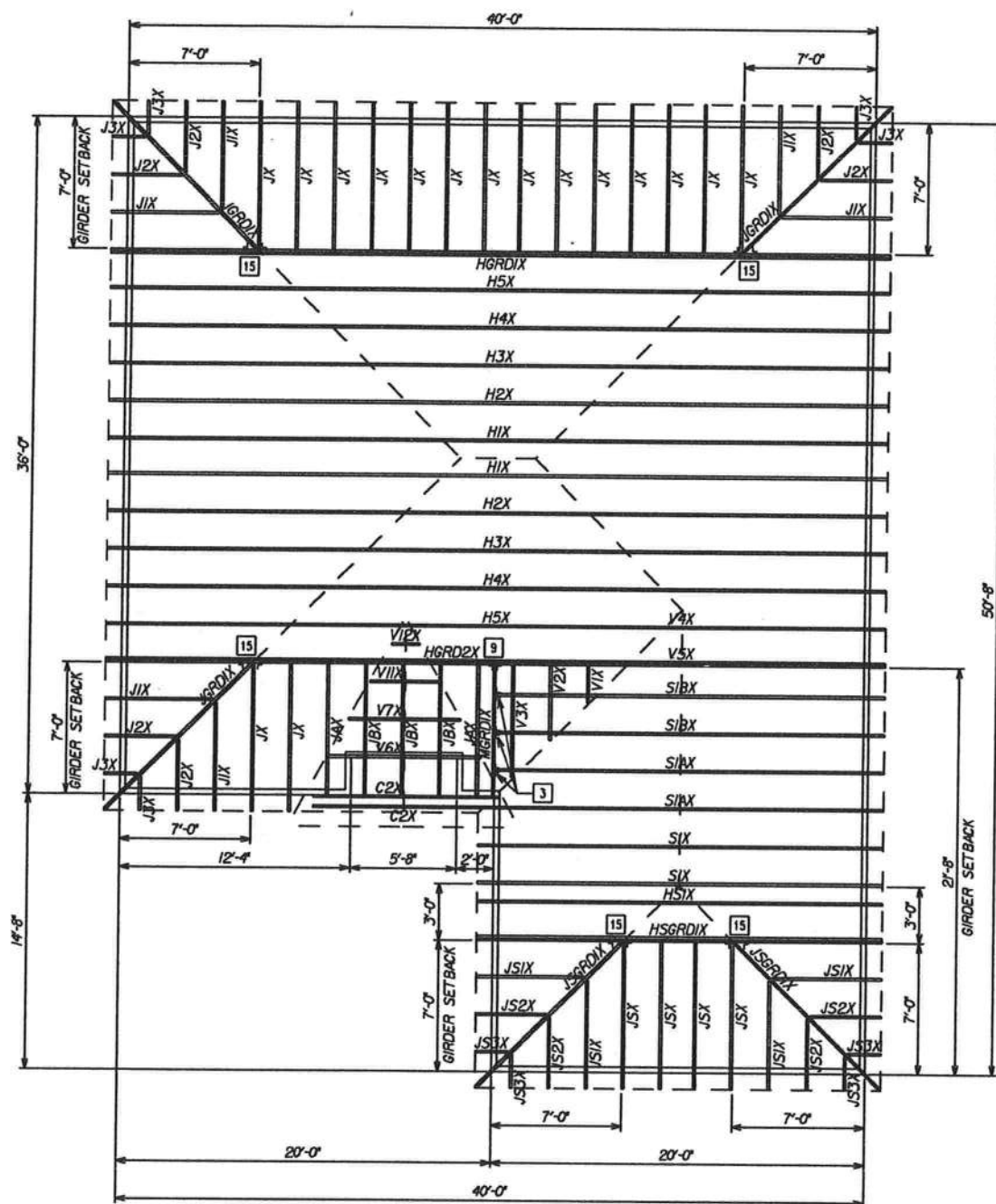
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BCSI-B1	2008	03/12/09	V2X	02/04/09	03/12/09	TC Live:	16.0 psf
HIP TRUSS	02/09/09	03/12/09	V3X	02/04/09	03/12/09	TC Dead:	7.0 psf
VALLEY	02/09/09	03/12/09	V4X	02/04/09	03/12/09	BC Live:	10.0 psf
TOE NAIL	02/09/09	03/12/09	V5X	02/04/09	03/12/09	BC Dead:	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	FLOOR TRUSSES				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		
			SEAT PLATES				
			FLOOR SEAT PLATES			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

x HARDWARE MANUFACTURED
BY SIMPSON

x x HARDWARE MANUFACTURED
BY CLEVELAND

GARAGE: RIGHT

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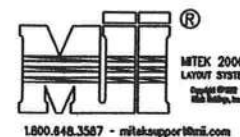


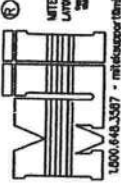
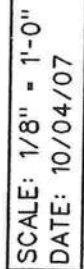
(407) 321-0064 4005 MARONDA WAY SANFORD, FLORIDA

SCALE: 1/8" = 1'-0"
DATE: 03/10/2009

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"





DESIGNER: J. Pitcock
CHECKER: K. Cooper

LOADING-FRC2007/TPI2002				
TC LIVE	40.00	SNOW LOAD	N/A	
TC DEAD	10.00	LUMBER DOL	1.00	
BC LIVE	0.00	PLATE DOL	1.00	
BC DEAD	5.00	WIND	N/A	
TOTAL	55.00	SPACING	2'-0"	

BAYBURY - FL

2 CAR GARAGE

GARAGE : RIGHT

HARDWARE LEGEND

- | | |
|---|----------|
| 1 | THD28-2 |
| 2 | THD48 |
| 3 | THD48-IF |

PERMIT
FT2

WARNING! BCSI-B1 SUMMARY SHEET - GUIDE FOR HANDLING, INSTALLING, RESTRAINING & BRACING OF METAL PLATE CONNECTED WOOD TRUSSES***

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.

Warning! 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.

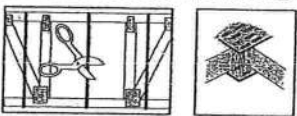
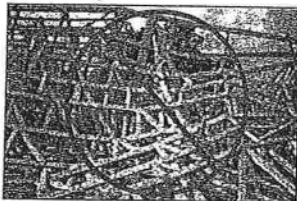
Warning! Banding and truss plates have sharp edges. Wear gloves when handling and safety glasses when cutting banding.

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 Cuentas y Miembros Secundarios*** para más información. El resto de los diseños de arriostres permanentes son la responsabilidad del Diseñador del Edificio.



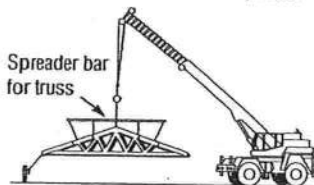
HANDLING — MANEJO

Warning! Avoid lateral bending. — Evite la flexión lateral.



Warning! 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.



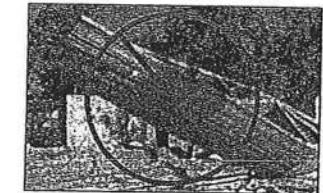
Warning! Use proper rigging and hoisting equipment.

Use equipo apropiado para levantar e improvisar.



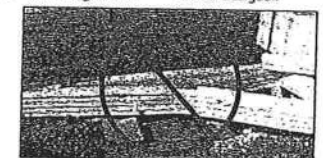
Warning! Do not store unbraced bundles upright.

No almacene verticalmente los trusses sueltos.



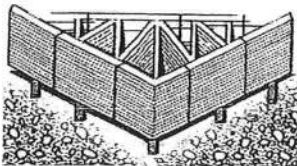
Warning! Do not store on uneven ground.

No almacene en tierra desigual.



Warning! 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.



Warning! If trusses are to be stored horizontally, place blocking of sufficient height beneath the stack of trusses at 8' to 16' 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 16' 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.

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

Warning! Don't overload the crane.

Advertencia! ¡No sobrecargue la grúa!

Warning! 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.

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

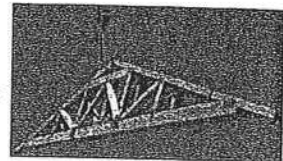
Two lift points may be used for bundles with trusses up to 60'.

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.

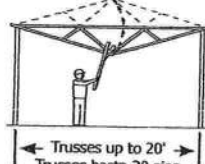
Advertencia! No sobrecargue la estructura apoyada con el paquete de trusses.

Warning! 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

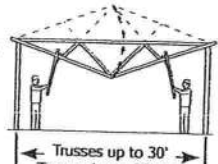
Warning! Trusses 20' or less, support at peak.

Soporte del pico los trusses de 20 pies o menos.



Warning! 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

Warning! Hold each truss in position with the erection equipment until top chord temporary lateral restraint is installed and use 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.

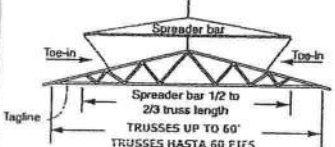
Advertencia! El uso de un solo lugar en el pico para levantar puede hacer daño al truss.



HOISTING RECOMMENDATIONS FOR SINGLE TRUSSES RECOMENDACIONES PARA LEVANTAR TRUSSES INDIVIDUALES

Warning! Trusses 30' or less, support at quarter points.

Trusses up to 30' TRUSSES HASTA 30 PIES



Trusses up to 60' TRUSSES HASTA 60 PIES

Trusses up to and over 60' TRUSSES HASTA Y SOBRE 60 PIES

TEMPORARY RESTRAINT & BRACING RESTRICCIÓN Y ARRIOSTRE TEMPORAL

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

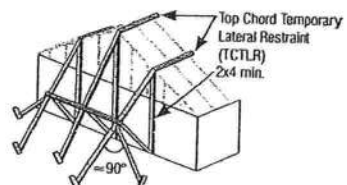
Vea el resumen BCSI-B2 - Instalación de Trusses y Restricción/Arrioste Temporal*** para más información.

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

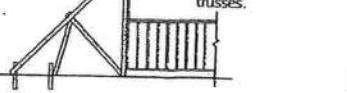
Coloque los arriostres de tierra para el primer truss directamente en línea con cada una de las filas de restricción lateral temporal de la cuerda superior (vea la tabla en la próxima columna).

Warning! 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 este 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

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

*Consult a Professional Engineer for trusses longer than 60'.

*Consulte a un Ingeniero Profesional para trusses más de 60 pies.

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

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

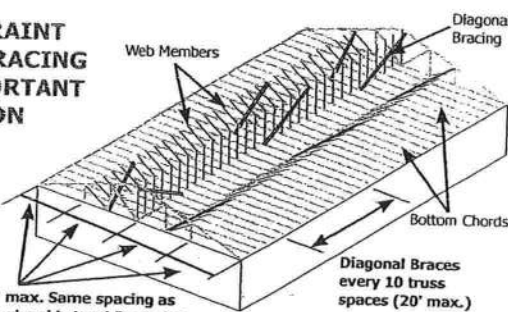
Para información sobre restricción/arriostre/refuerzo para Armazones Hastiales vea el resumen BCSI-B3 - Restricción/Arriostre Permanente de Cuerdas y Miembros Secundarios***

- 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!**

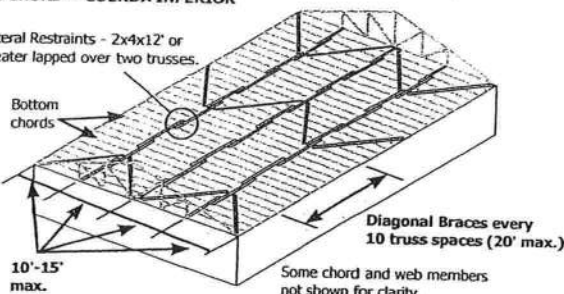


10'-15' max. Same spacing as bottom chord Lateral Restraint

Some chord and web members not shown for clarity.

3) BOTTOM CHORD — CUERDA INFERIOR

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



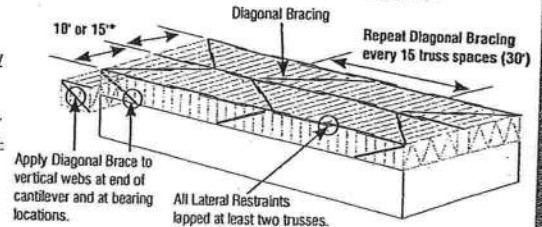
10'-15' max.

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

- 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.



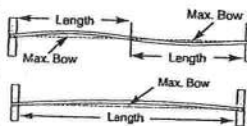
Apply Diagonal Bracing to vertical webs at end of cantilever and at bearing locations.

All Lateral Restraints lapped at least two trusses.

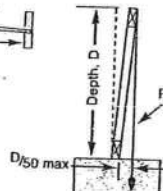
*Top chord Temporary Lateral Restraint spacing shall be 10' o.c. max. for 3x2 chords and 15' o.c. for 4x2 chords.

INSTALLING — INSTALACIÓN

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



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



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

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

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

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

No exceda las 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



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

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

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

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



ALTERATIONS — ALTERACIONES

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

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

No corte, altere o perforo ningún miembro estructural de un truss, a menos que esté específicamente permitido en el Dibujo del Diseño del Truss.

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

Trusses que se han sobrecargado durante la construcción o han sido alterados sin 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.

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, WITCA and TPI expressly disclaim any responsibility for damages arising from the use, application, or reliance on the recommendations and information contained herein.



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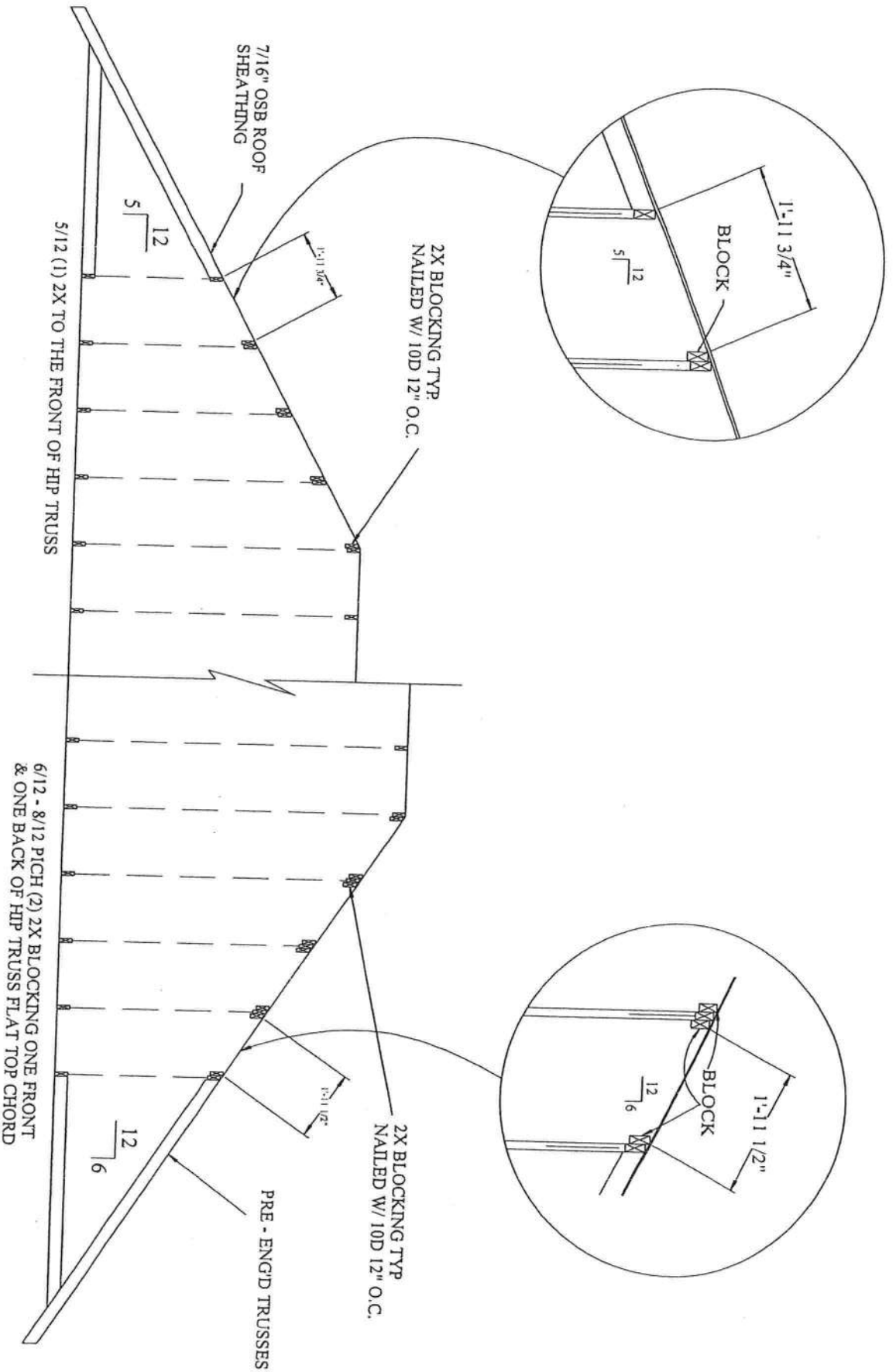


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B1WARN11x17 070724

This document summarizes the information provided in Section B1 of the 2005 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 WITCA - 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(s). Printed in the United States of America.

HIP TRUSS BLOCKING REQUIREMENTS



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

TRUSS DETAILS HIP TRUSS BLOCKING

DRAWN BY: GARAGE
RELEASE DATE: 2/9/09

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

REVISIONS:

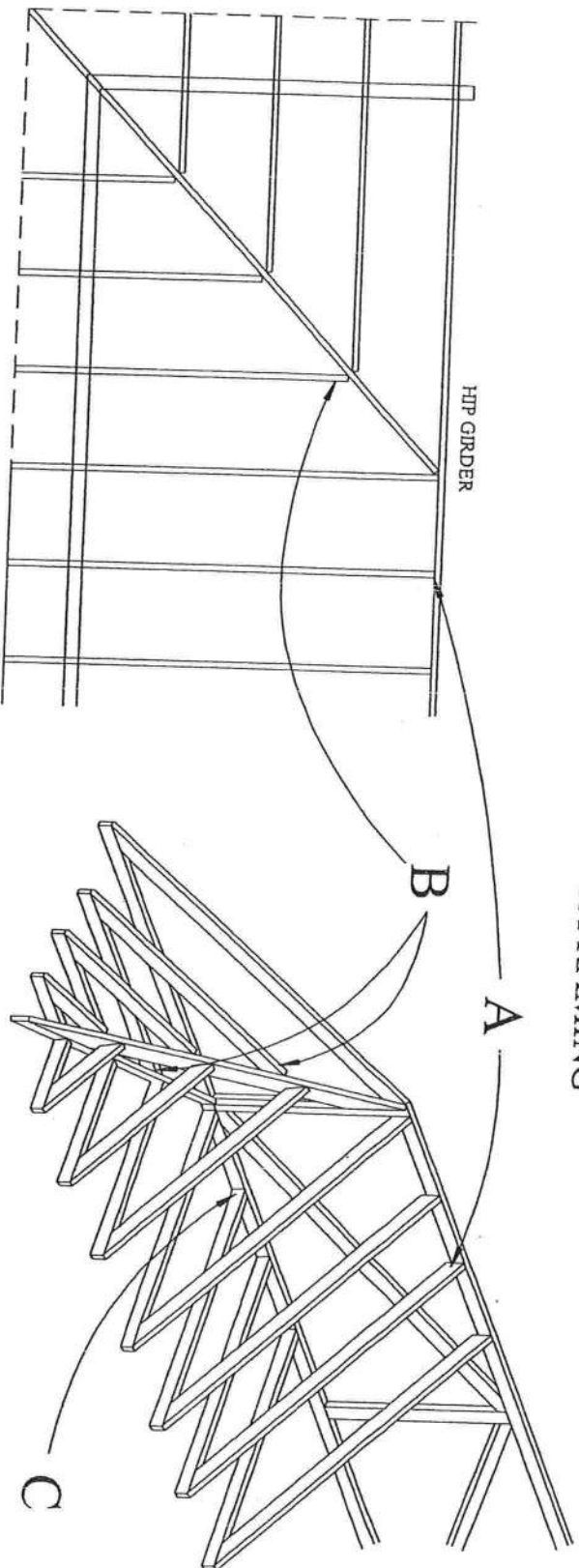
SHEET:

HB1

PLOT DATE:

TOE-NAILED CONNECTIONS AT BEARING LOCATIONS

TYPICAL CORNER FRAMING



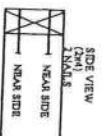
CONNECTION VALUES:

	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.
25' 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

45 DEGREE ANGLE / SQUARE CUT

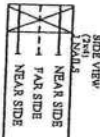
Connection at B



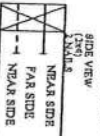
10d (0.131" x 3") nails

90 DEGREE ANGLE/SQUARE CUT

Connection at A



Connection at C



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

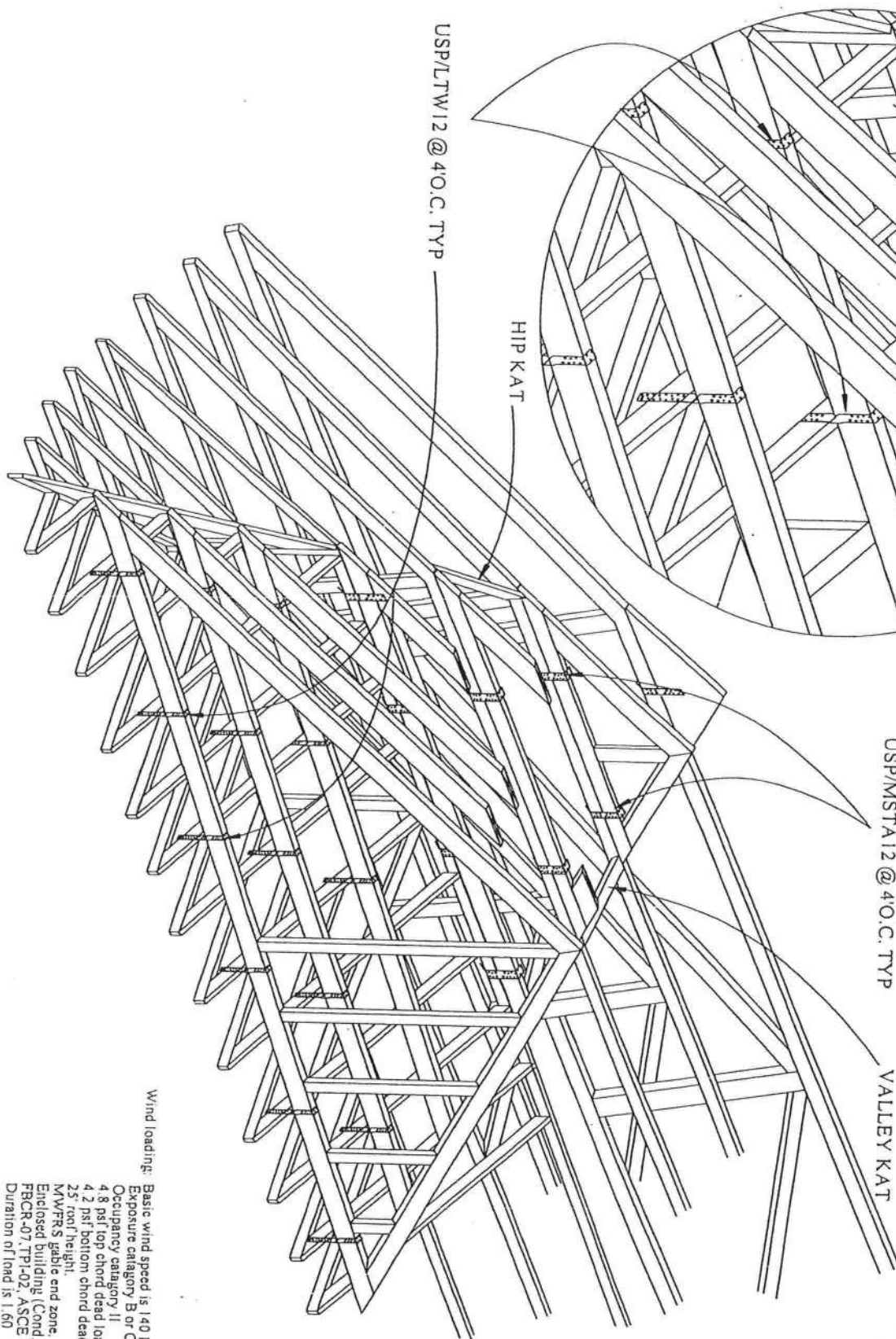
REVISIONS:

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.



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.
MV/FRS gable end zone.
Enclosed building (Cond. I)
FBCR-07 TPI-02, ASCE 7-05
Duration of load is 1.60

TRUSS DETAILS

VALLEY CONNECTIONS

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

Maronda Homes

(407) 321-8864 4605 HARENDIA WAY SANFORD, FLORIDA

REVISIONS

SHEET:

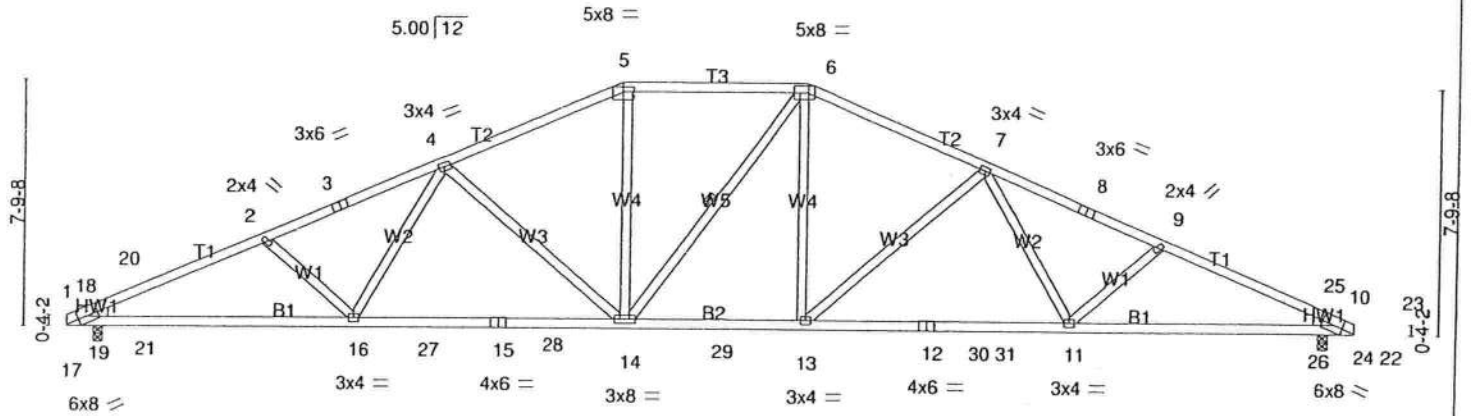
VCI

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					
Job Reference (optional)					

17-5-12	6-4-9	12-1-9	17-10-8	23-10-8	29-7-7	35-4-7	41-9-0	17-5-12
	6-4-9	5-8-15	5-8-15	6-0-0	5-8-15	5-8-15	6-4-9	

Scale = 1:71.1



17-5-12

17-5-12

0-10-8	9-3-1	17-10-8	23-10-8	32-5-15	40-10-8	41-9-0
0-10-8	8-4-9	8-7-7	6-0-0	8-7-7	8-4-9	0-10-8

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]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase 1.25	TC 0.79	Vert(LL) 0.36	11-13	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.82	Vert(TL) -0.74	11-13	>677	240		
BCLL 0.0	Rep Stress Incr YES	WB 0.48	Horz(TL) 0.15	10	n/a	n/a		
BCDL 10.0	Code FRC2007/TPI2002	(Matrix-M)						
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

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

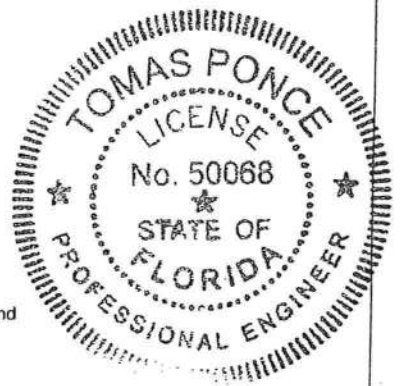
BOT CHORD 19-21=-512/848, 16-21=-1402/2558, 16-27=-1201/2366, 27-28=-1201/2366, 15-28=-1201/2366, 14-15=-1201/2366, 14-29=-886/2015, 13-29=-886/2015, 12-13=-1201/2385, 12-30=-1201/2385, 30-31=-1201/2385, 11-31=-1201/2385, 11-26=-1402/2574, 24-26=-512/853

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



[Signature]

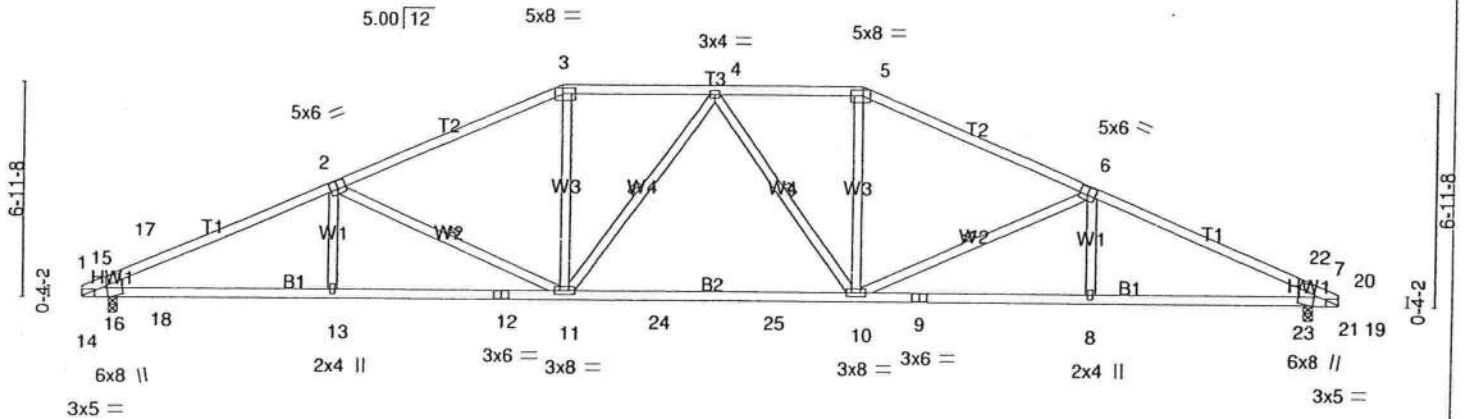
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Job BAYBURY	Truss H2X	Truss Type HIP	Qty 2	Ply 1	BAYBURY_140_FLORIDA
Maronda Homes Inc., Sanford, FL			Job Reference (optional)		

7.110 s Dec 15 2008 MiTek Industries, Inc. Wed Feb 04 15:05:24 2009 Page 1



Scale = 1:72.6



17-5-12

17-5-12

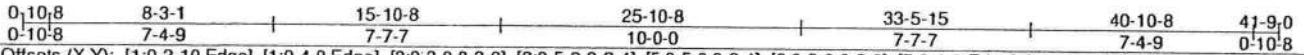


Plate Offsets (X,Y): [1:0-2-10,Edge], [1:0-4-0,Edge], [2:0-3-0,0-3-0], [3:0-5-0,0-2-4], [5:0-5-0,0-2-4], [6:0-3-0,0-3-0], [7:0-4-0,Edge], [7:0-2-10,Edge]

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								

LUMBER

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

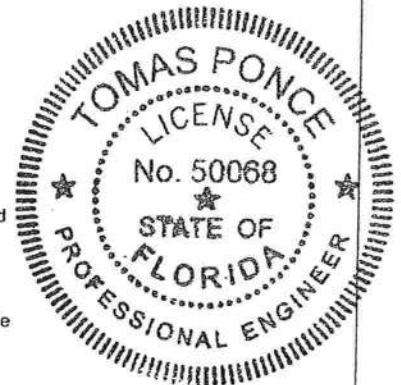
BOT CHORD 16-18=-504/765, 13-18=-1379/2444, 12-13=-1382/2443, 11-12=-1382/2443,
11-24=-1103/2163, 24-25=-1103/2163, 10-25=-1103/2163, 9-10=-1382/2443,
8-9=-1382/2443, 8-23=-1379/2444, 21-23=-504/765

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]

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Job BAYBURY	Truss H3X	Truss Type HIP	Qty 2	Ply 1	BAYBURY_140_FLORIDA
Maronda Homes Inc., Sanford, FL					Job Reference (optional)

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Scale = 1:77.0

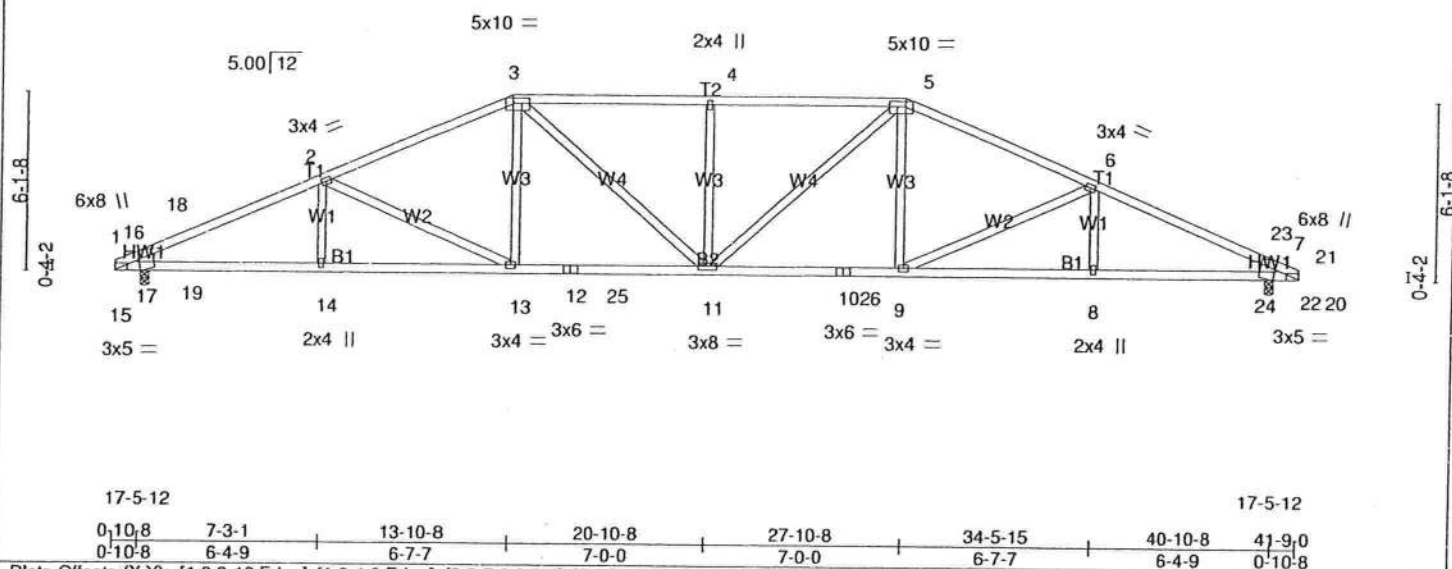


Plate Offsets (X,Y): [1:0-2-10,Edge], [1:0-4-0,Edge], [3:0-7-0,0-2-4], [5:0-7-0,0-2-4], [7:0-4-0,Edge], [7:0-2-10,Edge]

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

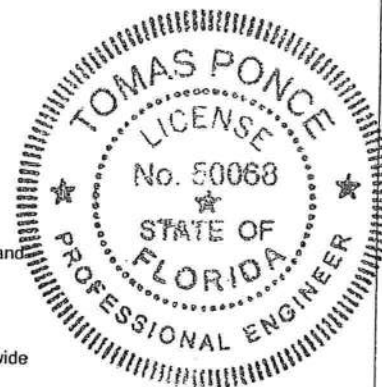
REACTIONS (lb/size) 17=1471/0-1-8 (input: 0-3-8), 22=1471/0-1-8 (input: 0-3-8)
 Max Horz 17=111(LC 6)
 Max Uplift 17=519(LC 6), 22=519(LC 7)

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

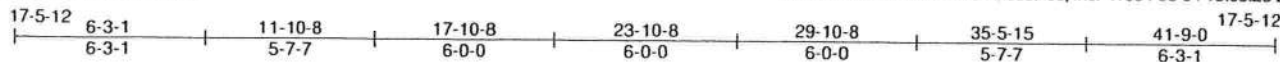


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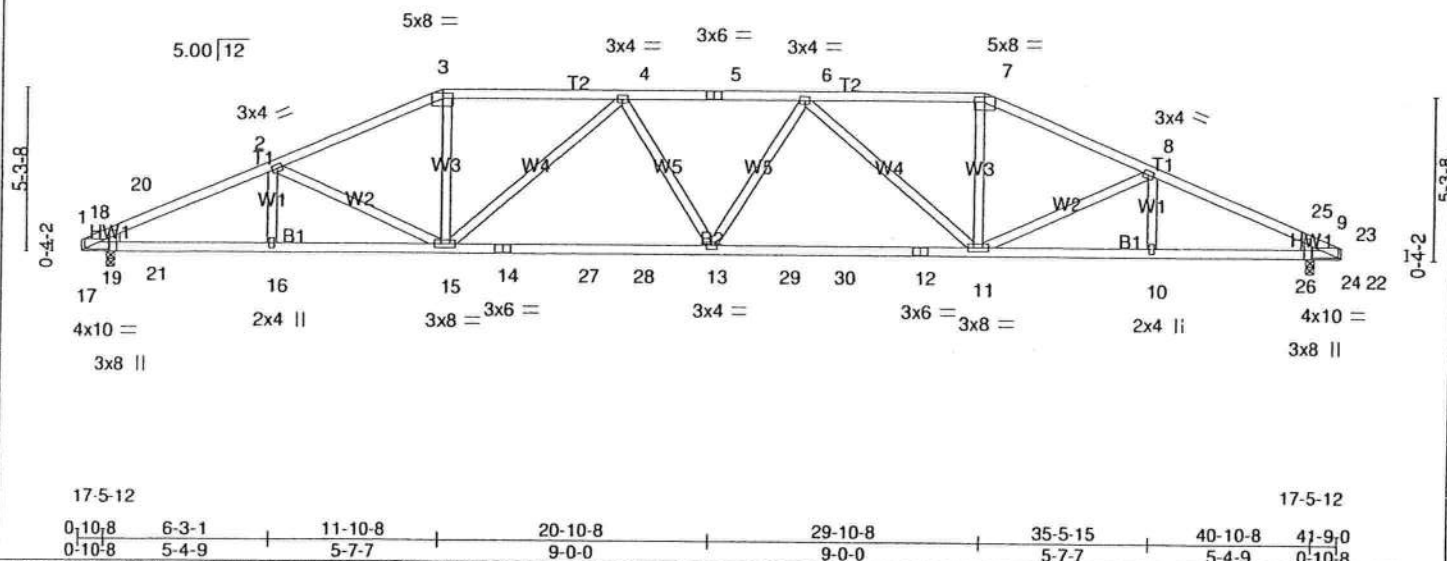
Job	Truss	Truss Type	Qty	Ply	BAYBURY_140_FLORIDA
BAYBURY	H4X	HIP	2	1	Job Reference (optional)

Maronda Homes Inc., Sanford, FL

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Scale = 1:72.4



LOADING (psf)		SPACING		CSI		DEFL		PLATES		GRIP	
TCLL	16.0	Plates Increase	1.25	TC	0.77	in (loc)	l/defl	L/d	MT20	244/190	
TCDL	7.0	Lumber Increase	1.25	BC	0.91	Vert(LL)	0.40 13	>999			
BCLL	0.0	Rep Stress Incr	YES	WB	0.65	Vert(TL)	-0.70 13-15	>712			
BCDL	10.0	Code FRC2007/TPI2002		(Matrix-M)		Horz(TL)	0.17 9	n/a			
Weight: 207 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"
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 2-7-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-11-3 oc bracing.

REACTIONS (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)

FORCES (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

- 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=542, 24=542.

LOAD CASE(S) Standard



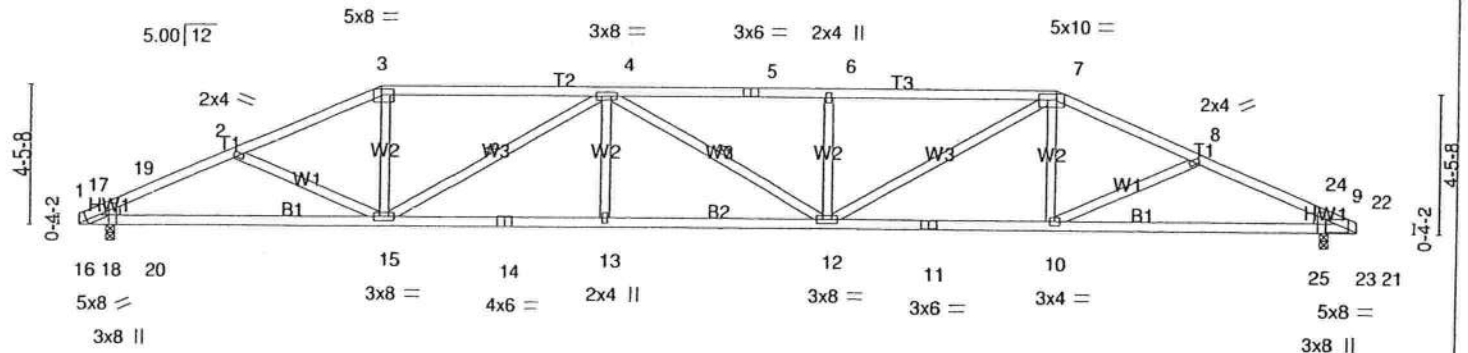
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Job	Truss	Truss Type	Qty	Ply	BAYBURY_140_FLORIDA
BAYBURY	H5X	HIP	2	1	Job Reference (optional)
Maronda Homes Inc., Sanford, FL					

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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



17-5-12

17-5-12

0-10-8	9-10-8	17-3-1	24-5-15	31-10-8	40-10-8	41-9-0
0-10-8	9-0-0	7-4-9	7-2-13	7-4-9	9-0-0	0-10-8

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	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

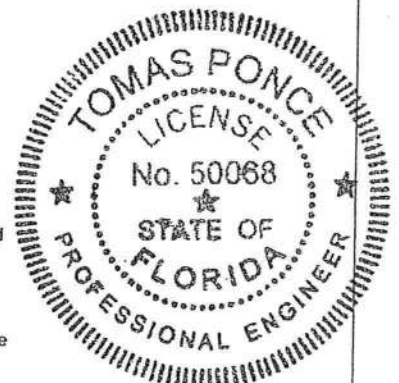
BOT CHORD 18-20=-560/742, 15-20=-1460/2223, 14-15=-2009/3123, 13-14=-2009/3123, 12-13=-2009/3123, 11-12=-1397/2270, 10-11=-1397/2270, 10-25=-1460/2224, 23-25=-560/742

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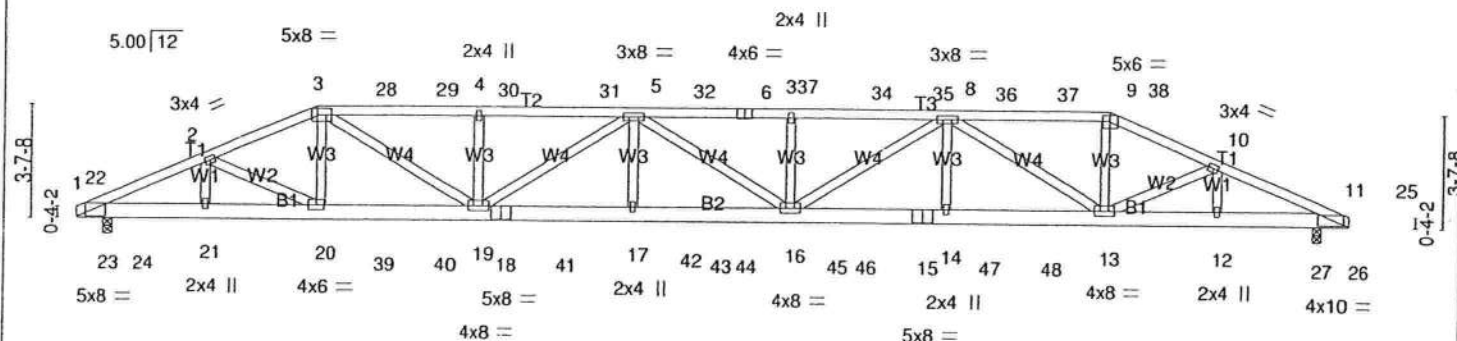
Job	Truss	Truss Type	Qty	Ply	BAYBURY_140_FLORIDA
BAYBURY	HGRD1X	HIP	1	2	Job Reference (optional)

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	5-3-7	3-7-7	4-3-1	

Scale = 1:71.8



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	17-5-12
0-10-8	3-4-9	3-7-7	5-3-7	5-1-11	5-1-11	5-1-11	5-3-7	5-3-7	3-7-7	3-4-9	0-10-8	

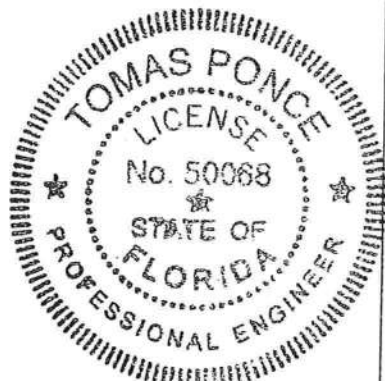
Plate Offsets (X,Y): [1:0-2-12,0-2-8], [3:0-5-12,0-2-8], [6:0-3-0,Edge], [9:0-3-0,0-2-4], [11:0-1-15,0-0-5]											
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP		
TCLL 16.0	Plates Increase	1.25	TC 0.52	Vert(LL)	0.62 16-17	>813	360	MT20	244/190		
TCDL 7.0	Lumber Increase	1.25	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	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 4-3-0 oc purlins.
BOT CHORD 2 X 6 SYP No.1D	BOT CHORD Rigid ceiling directly applied or 7-6-1 oc bracing.
WEBS 2 X 4 SYP No.3	

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
 1) 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.
 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 3) Unbalanced roof live loads have been considered for this design.
 4) Wind: ASCE 7-05; 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
 5) Provide adequate drainage to prevent water ponding.
 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 7) * 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.
 8) 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



[Signature]

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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

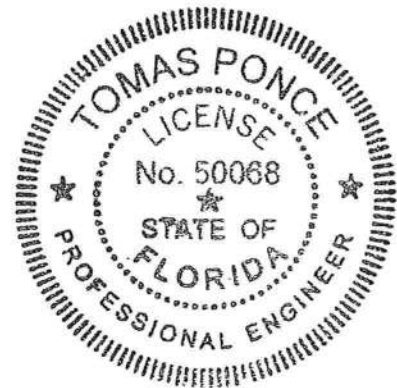
1) Regular: Lumber Increase=1.25, Plate Increase=1.25

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)



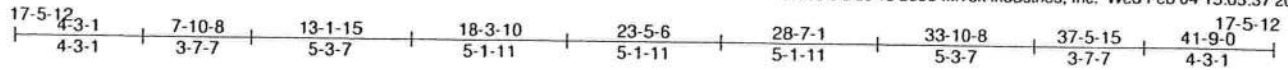
[Handwritten Signature]

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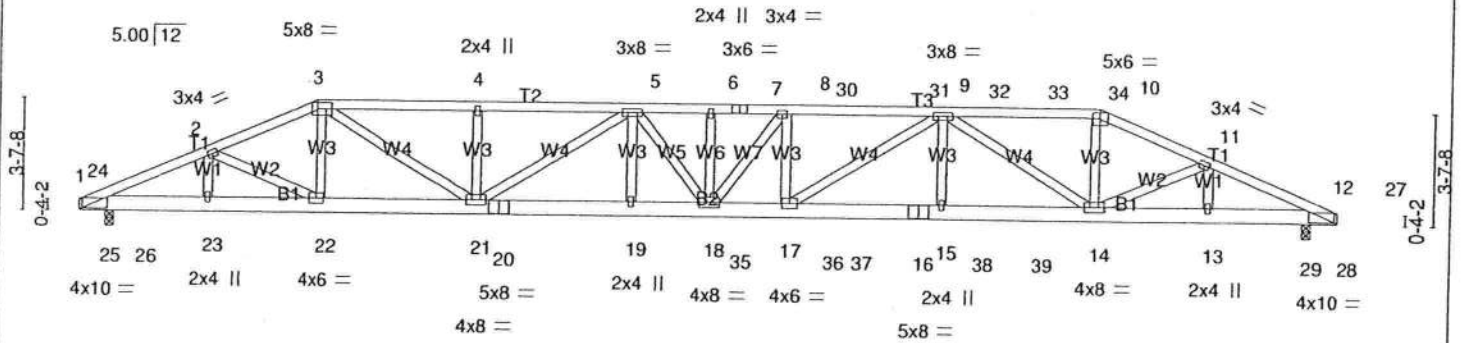
Job	Truss	Truss Type	Qty	Ply	BAYBURY_140_FLORIDA
BAYBURY	HGRD2X	HIP	1	2	Job Reference (optional)

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Scale = 1:72.5



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): [1:0-5-0,0-1-11], [3:0-5-12,0-2-8], [10:0-3-0,0-2-4], [12:0-5-0,0-1-11]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.53	Vert(LL)	0.55	18	>917	360	MT20	244/190
TCOL 7.0	Lumber Increase	1.25	BC 0.75	Vert(TL)	-0.81	18	>620	240		
BCLL 0.0	Rep Stress Incr	NO	WB 0.47	Horz(TL)	0.13	12	n/a	n/a		
BCDL 10.0	Code FRC2007/TPI2002		(Matrix-M)							
									Weight: 503 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 *Except*
W6: 2 X 4 SYP No.2

BRACING

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.

REACTIONS

(lb/size) 26=2304/0-1-8 (input: 0-3-8), 29=2892/0-1-8 (input: 0-3-8)
Max Horz 26=63(LC 5)
Max Uplift 26=1177(LC 4), 29=1615(LC 3)

FORCES (lb)

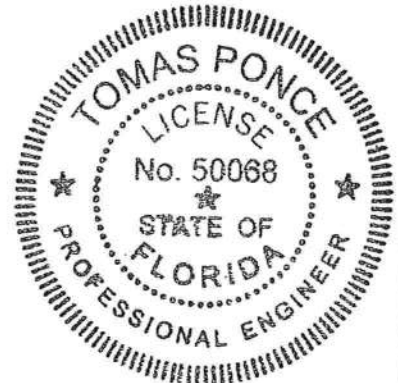
- Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-24=-1287/659, 2-24=-3918/2066, 2-3=-4692/2568, 3-4=-6800/3834, 4-5=-6800/3834,
5-6=-9548/5489, 6-7=-9548/5489, 7-8=-9548/5489, 8-30=-9275/5434, 30-31=-9275/5434,
31-32=-9275/5434, 9-32=-9275/5434, 9-33=-5650/3371, 33-34=-5650/3371,
10-34=-5651/3371, 10-11=-6031/3556, 11-27=-4996/2872, 12-27=-1645/925
BOT CHORD 1-25=-599/1172, 25-26=-1837/3545, 23-26=-1840/3545, 22-23=-1840/3545,
21-22=-2277/4327, 20-21=-4930/8849, 19-20=-4930/8849, 18-19=-4930/8849,
18-35=-5309/9275, 17-35=-5309/9275, 17-36=-4600/7935, 36-37=-4600/7935,
16-37=-4600/7935, 15-16=-4600/7935, 15-38=-4600/7935, 38-39=-4600/7935,
14-39=-4600/7935, 13-14=-2570/4525, 13-29=-2570/4525, 28-29=-2570/4525,
12-28=-842/1500
WEBS 2-23=-667/416, 2-22=-489/931, 3-21=-1682/2949, 5-21=-2455/1447, 5-19=-29/265,
5-18=-756/1137, 8-17=-685/486, 9-17=-838/1617, 9-15=0/344, 9-14=-2748/1607,
10-14=-958/1852, 11-14=-697/1219, 11-13=-825/522, 6-18=-1249/670, 8-18=-91/471,
24-25=-1116/622, 27-28=-1402/840

NOTES

- 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.

Continued on page 2



[Signature]

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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

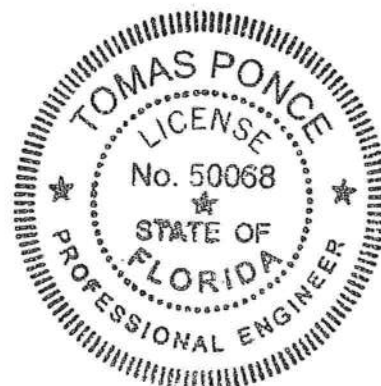
- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25

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.

FEB 24 2009

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

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Scale = 1:37.6

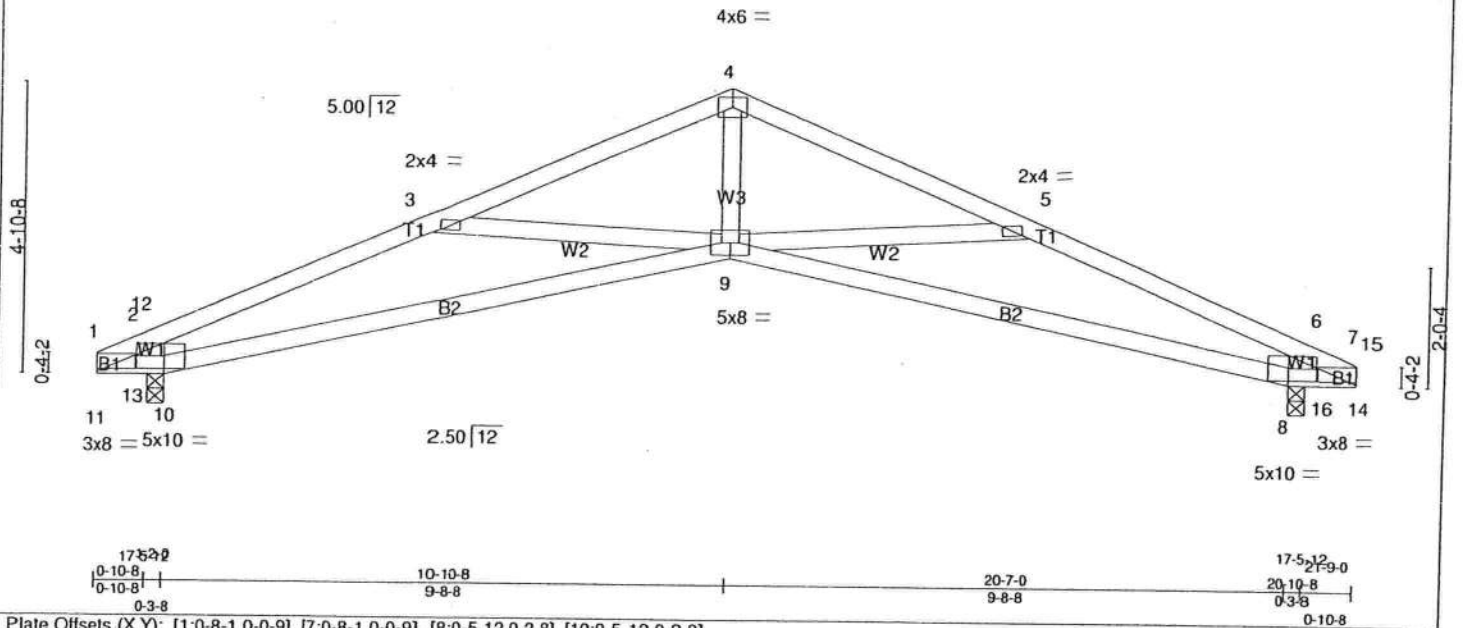


Plate Offsets (X,Y): [1:0-8-1,0-0-9], [7:0-8-1,0-0-9], [8:0-5-12,0-2-8], [10:0-5-12,0-2-8]

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

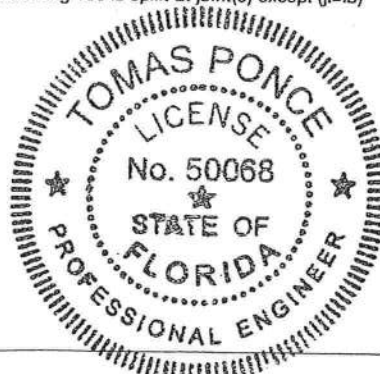
BOT CHORD 11-13=-677/734, 10-13=-1367/1820, 9-10=-984/1619, 8-9=-984/1619, 8-16=-1367/1820,
14-16=-678/735

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

- 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) 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) except (jl=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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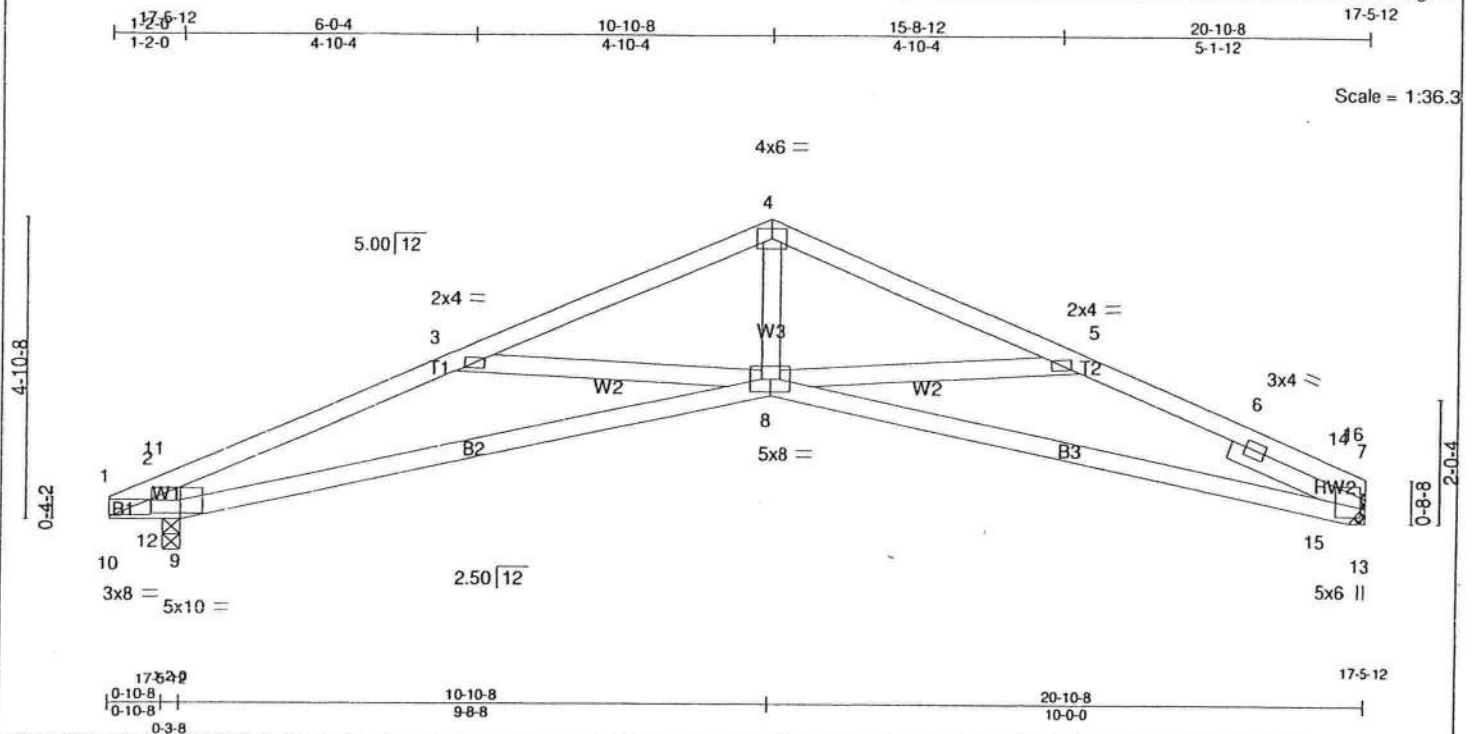


Plate Offsets (X,Y): [1:0-8-1,0-0-5], [7:0-2-10,0-1-2], [9:0-5-12,0-2-8]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase 1.25	TC 0.68	Vert(LL)	0.25 8-15	>938	360	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.88	Vert(TL)	-0.39 8-15	>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: 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
 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.

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

- 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, 13=282.

LOAD CASE(S) Standard



[Signature]

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LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 16.0	Plates Increase 1.25	TC 0.68	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/TPI2002	(Matrix-M)			Weight: 114 lb

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

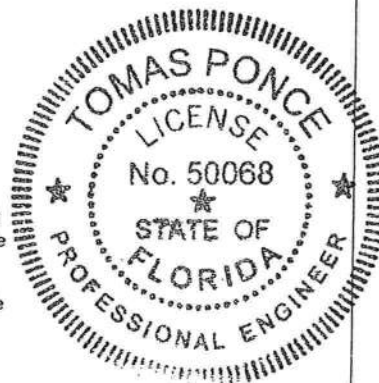
TOP CHORD	Structural wood sheathing directly applied or 3-3-12 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 5-3-7 oc bracing. Except: 6-0-0 oc bracing: 8-9

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 2-18=795/836, 9-18=1409/1855, 8-9=1033/1643, 8-21=992/1634, 19-21=448/499
WEBS 16-9=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

- 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, 19=282.

LOAD CASE(S) Standard



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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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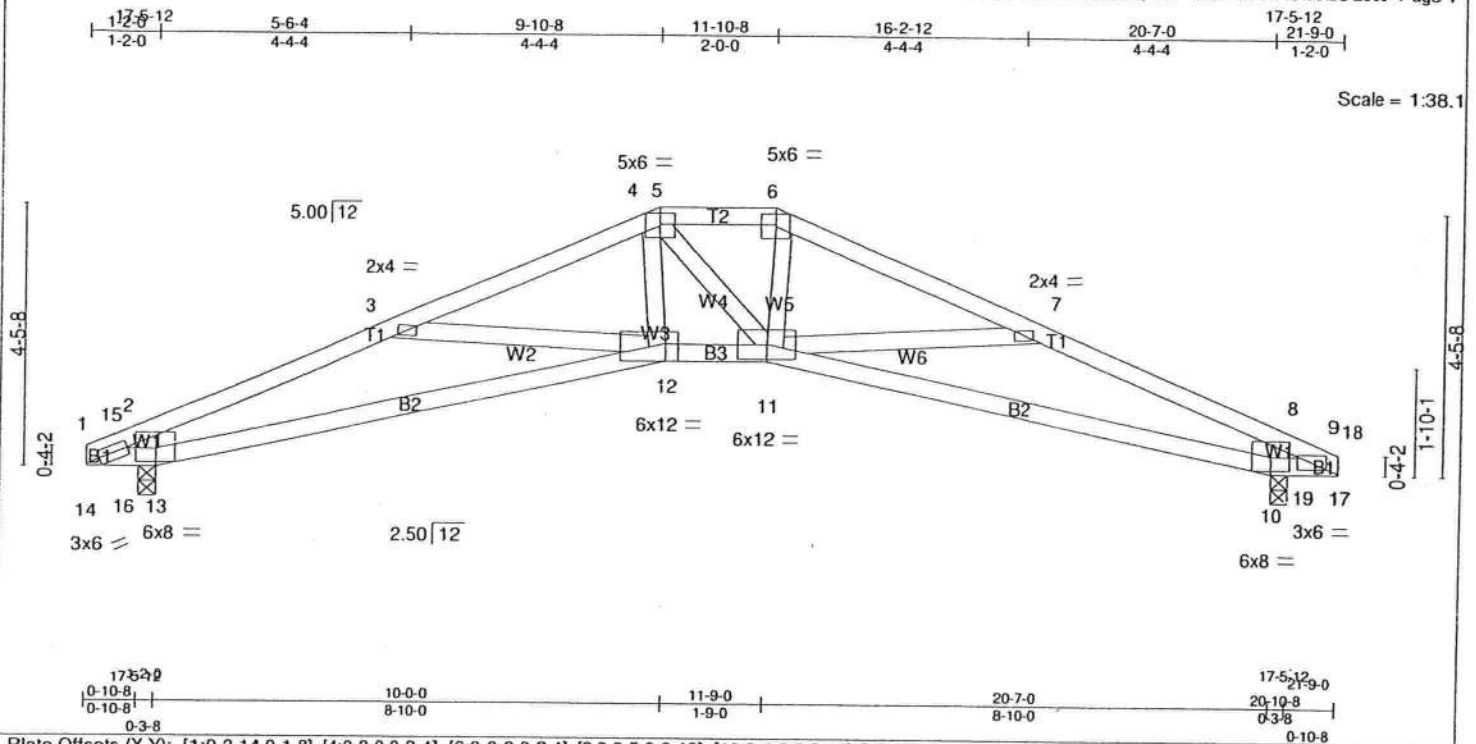


Plate Offsets (X,Y): [1:0-2-14,0-1-8], [4:0-3-0,0-2-4], [6:0-3-0,0-2-4], [9:0-2-5,0-0-13], [10:0-4-0,0-2-11], [13:0-4-0,0-2-11]

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

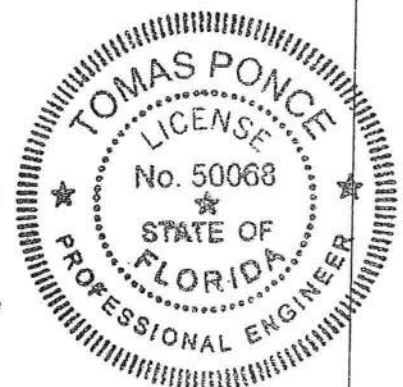
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

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

- 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.
- 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]

FEB 24 2009

Job BAYBURY	Truss HSGRD1X	Truss Type SPECIAL	Qty 1	Ply 2	BAYBURY_140_FLORIDA
Job Reference (optional)					

Maronda Homes Inc., Sanford, FL

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Scale = 1:36.9

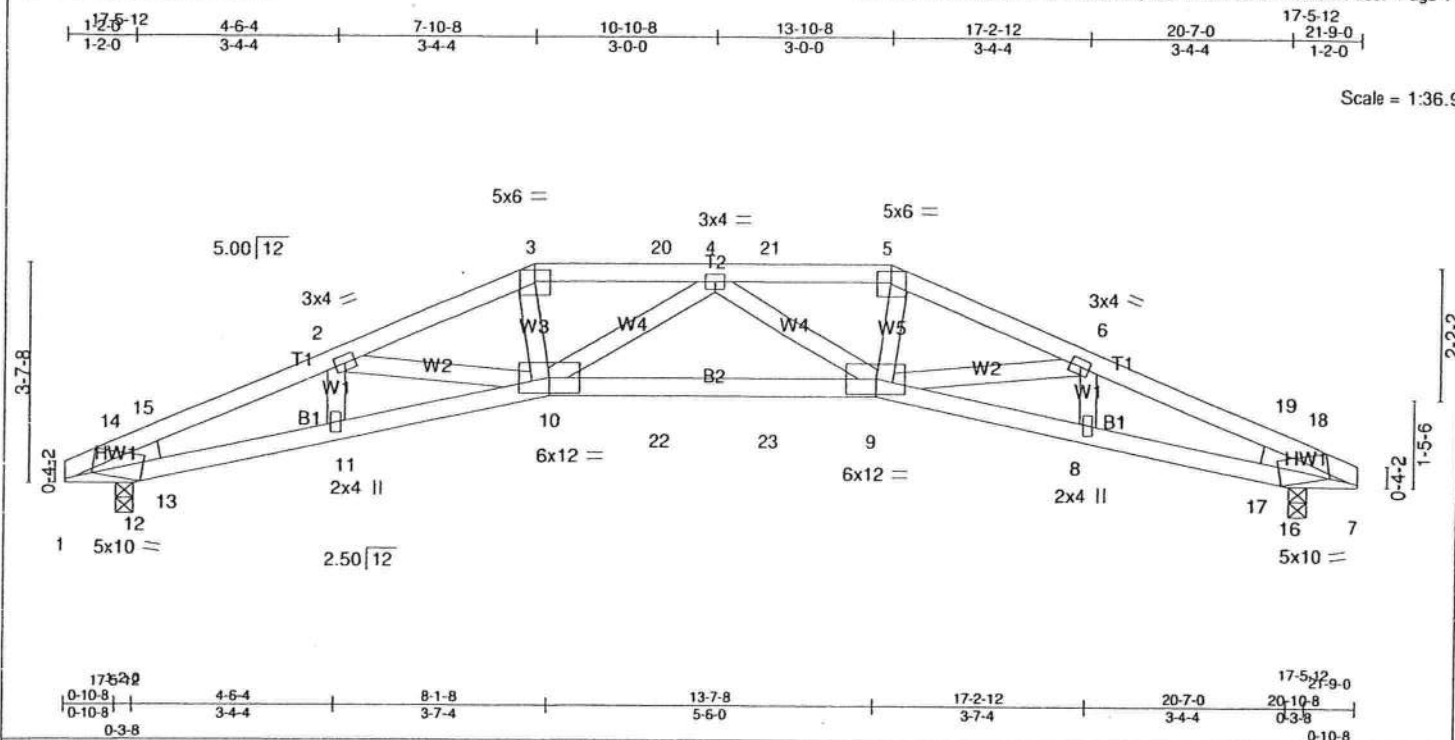


Plate Offsets (X,Y): [1:0-3-13,Edge], [3:0-3-0,0-2-4], [5:0-3-0,0-2-4], [7:0-3-13,Edge]					
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 16.0	Plates Increase 2.0-0	TC 0.57	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.83	Vert(LL) 0.27 9-10 >982 360		
BCLL 0.0	Rep Stress Incr NO	WB 0.20	Vert(TL) -0.36 9-10 >725 240		
BCDL 10.0	Code FRC2007/TPI2002	(Matrix-M)	Horz(TL) 0.20 7 n/a n/a		
Weight: 197 lb					

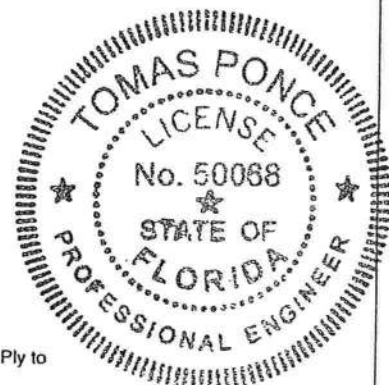
LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2 *Except* T2: 2 X 4 SYP No.3	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2 X 4 SYP No.2 *Except* B2: 2 X 4 SYP No.3	BOT CHORD Rigid ceiling directly applied or 7-8-0 oc bracing.

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]

FEB 24 2009

Job BAYBURY	Truss HSGRD1X	Truss Type SPECIAL	Qty 1	Ply 2	BAYBURY_140_FLORIDA Job Reference (optional)
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Maronda Homes Inc., Sanford, FL

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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

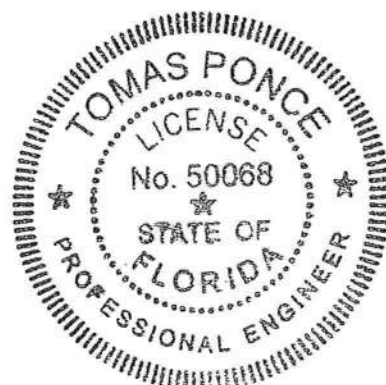
1) Regular: Lumber Increase=1.25, Plate Increase=1.25

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 handwritten signature in black ink, appearing to be "T. Ponce", written over the seal area.

FEB 24 2009

Job	Truss	Truss Type	Qty	Ply	BAYBURY_140_FLORIDA
BAYBURY	JGRD1X	MONO TRUSS	3	1	
Maronda Homes Inc., Sanford, FL			Job Reference (optional)		
17-5-12			7.110 s Dec 15 2008 MiTek Industries, Inc. Wed Feb 04 15:05:49 2009 Page 1		

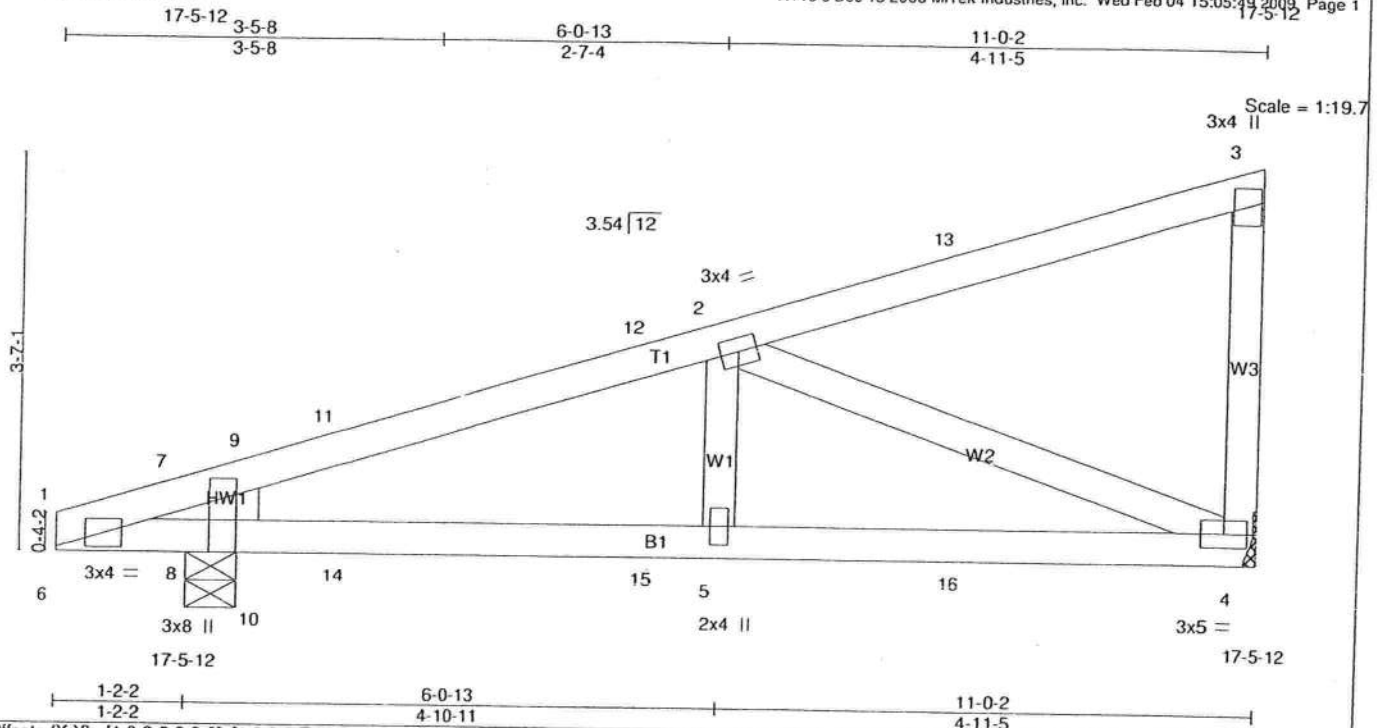


Plate Offsets (X,Y): [1:0-3-2,0-0-0], [1:0-0-8,Edge]

LOADING (psf)	SPACING	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

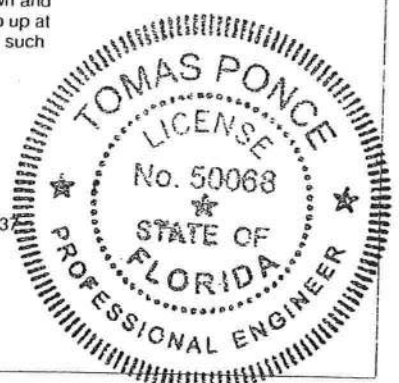
Uniform Loads (plf)

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 BAYBURY	Truss JX	Truss Type MONO TRUSS	Qty 16	Ply 1	BAYBURY_140_FLORIDA
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Maronda Homes Inc., Sanford, FL

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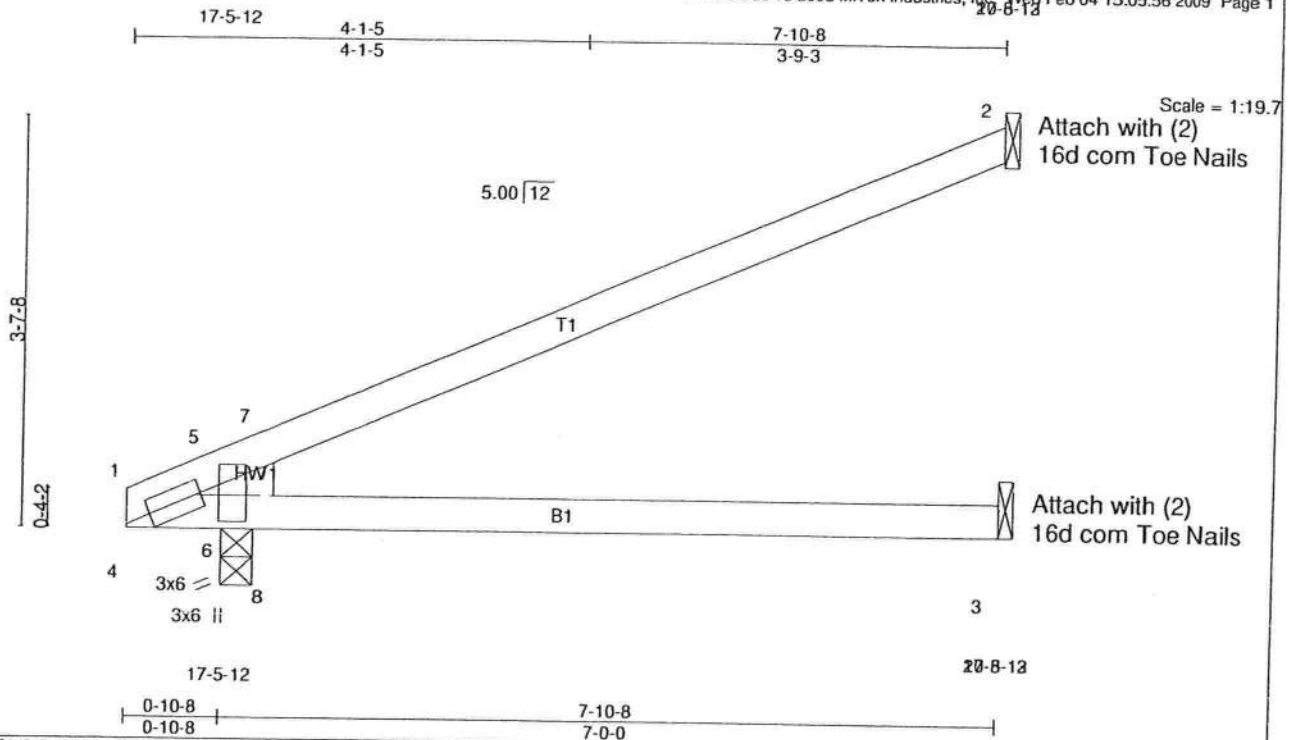


Plate Offsets (X,Y): [1:0-2-14,0-1-8], [1:0-0-7,0-10-3]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 16.0	Plates Increase 1.25	TC 0.41	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		
BCLL 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 Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

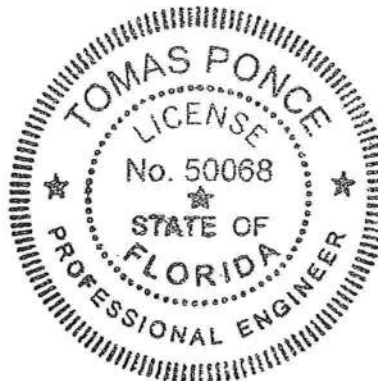
REACTIONS (lb/size) 2=143/Mechanical, 3=82/Mechanical, 6=290/0-1-8 (input: 0-3-8)
Max Horz 6=169(LC 6)
Max Uplift 2=-154(LC 6), 3=-2(LC 6), 6=-107(LC 6)
Max Grav 2=143(LC 1), 3=125(LC 2), 6=290(LC 1)

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]

FEB 24 2009

Job BAYBURY	Truss JAX	Truss Type MONO TRUSS	Qty 2	Ply 1	BAYBURY_140_FLORIDA
Maronda Homes Inc., Sanford, FL					Job Reference (optional)

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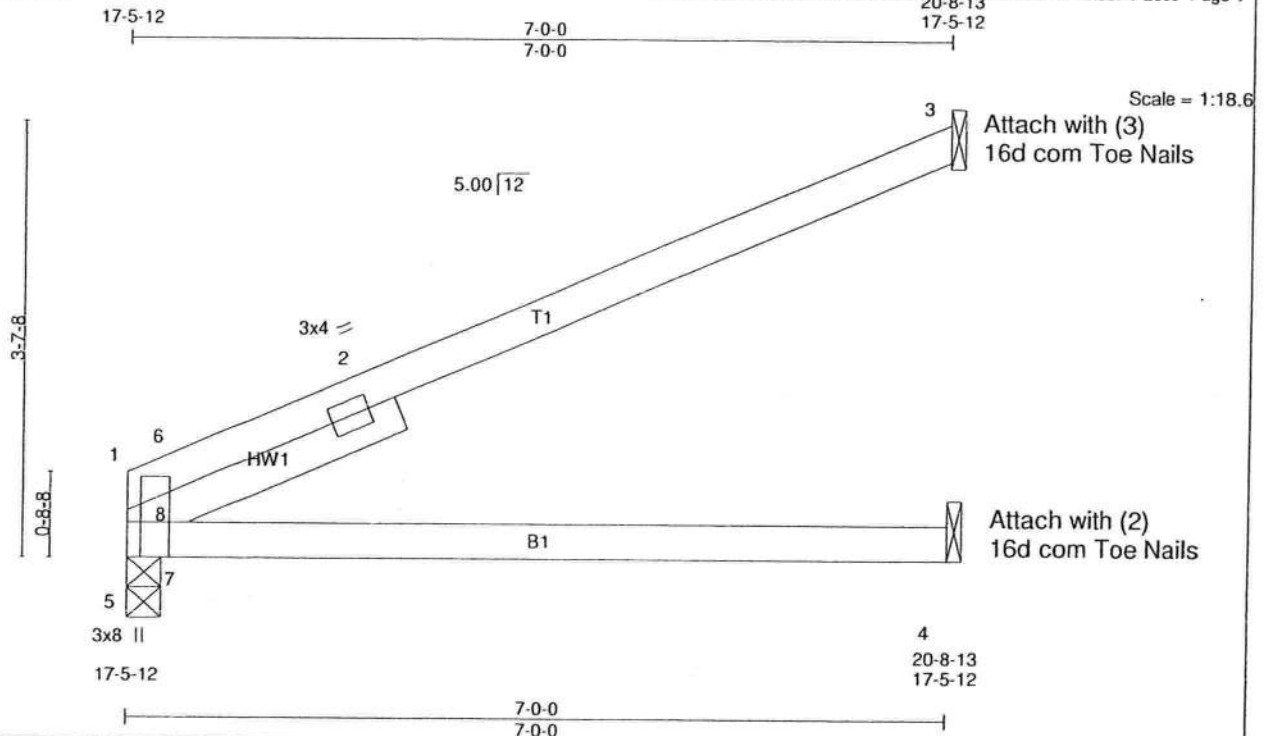


Plate Offsets (X,Y): [1:0-3-8,Edge]

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

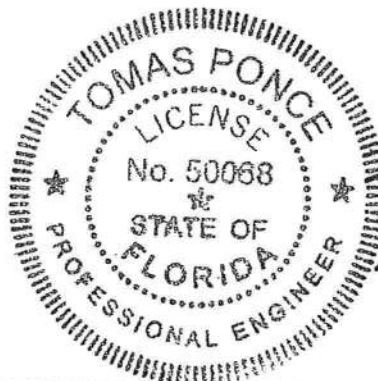
BOT CHORD 5-7=-412/156

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



FEB 24 2009

Job	Truss	Truss Type	Qty	Ply	BAYBURY_140_FLORIDA_3WI07501
BAYBURY	JBX	MONO TRUSS	3	1	Job Reference (optional)
Maronda Homes Inc., Sanford, FL					

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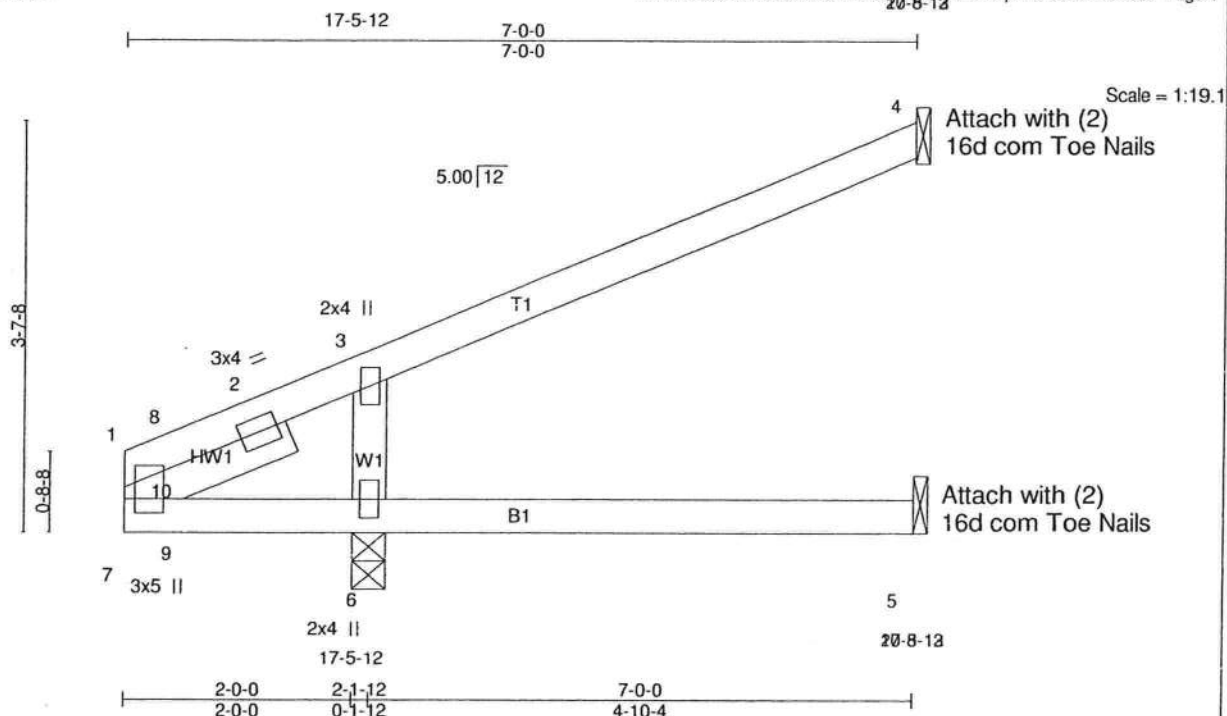


Plate Offsets (X,Y): [1:0-1-8,0-1-2]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	2-0-0	TC 0.27	Vert(LL)	0.04	5-6	>999	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.24	Vert(TL)	-0.04	5-6	>999		
BCLL 0.0	Lumber Increase 1.25	WB 0.13	Horz(TL)	-0.07	4	n/a		
BCDL 10.0	Rep Stress Incr YES	(Matrix-M)						
	Code FRC2007/TPI2002							
								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)

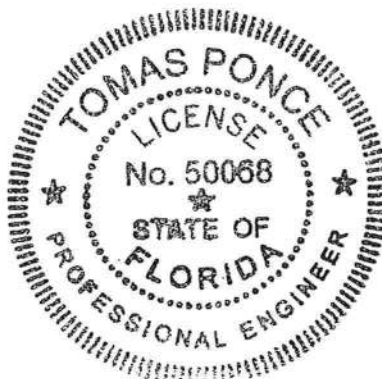
FORCES

(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]

APR 20 2009

Job BAYBURY	Truss J1X	Truss Type JACK	Qty 6	Ply 1	BAYBURY_140_FLORIDA
Maronda Homes Inc., Sanford, FL					Job Reference (optional)

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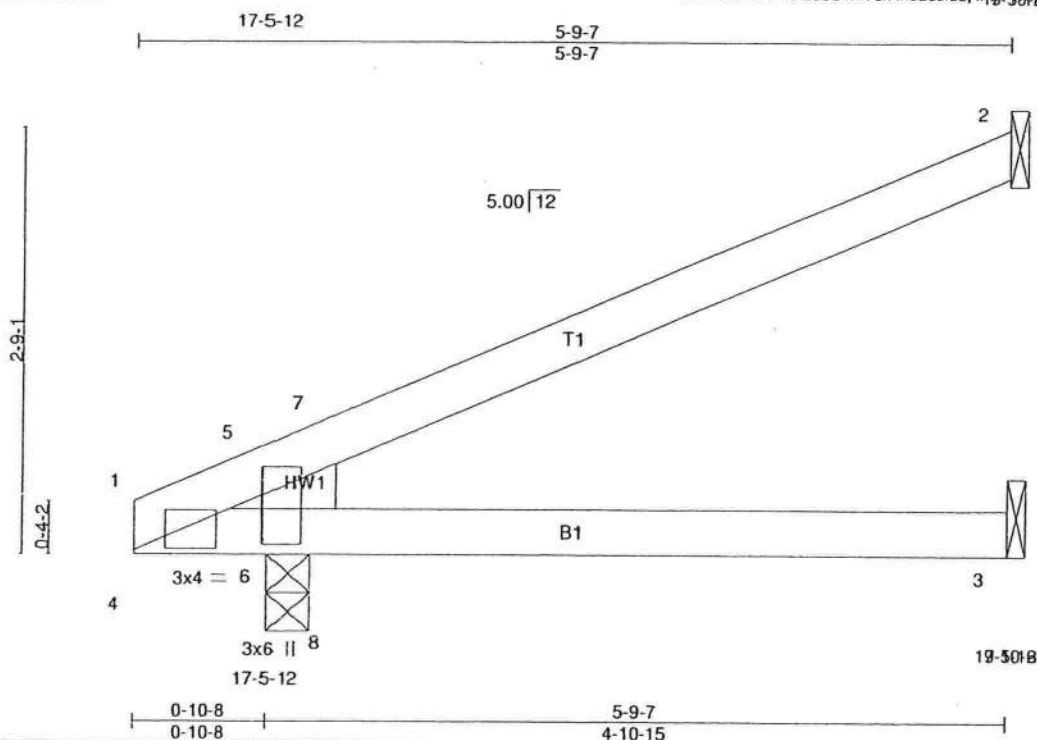


Plate Offsets (X,Y): [1:0-2-9,0-0-1], [1:0-0-7,0-10-3]

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

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=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)

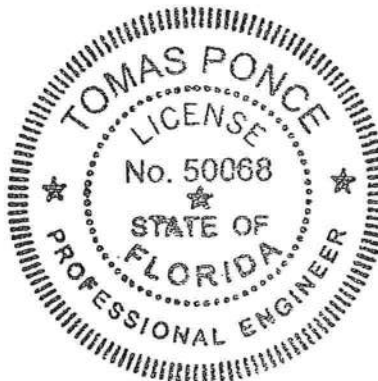
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

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 (it=lb) 2=107.

LOAD CASE(S) Standard



[Signature]

FEB 24 2009

Job BAYBURY	Truss J2X	Truss Type JACK	Qty 6	Ply 1	BAYBURY_140_FLORIDA
Maronda Homes Inc., Sanford, FL					Job Reference (optional) 7.110 s Dec 15 2008 MiTek Industries, Inc. Wed Feb 04 15:05:44 2009 Page 1

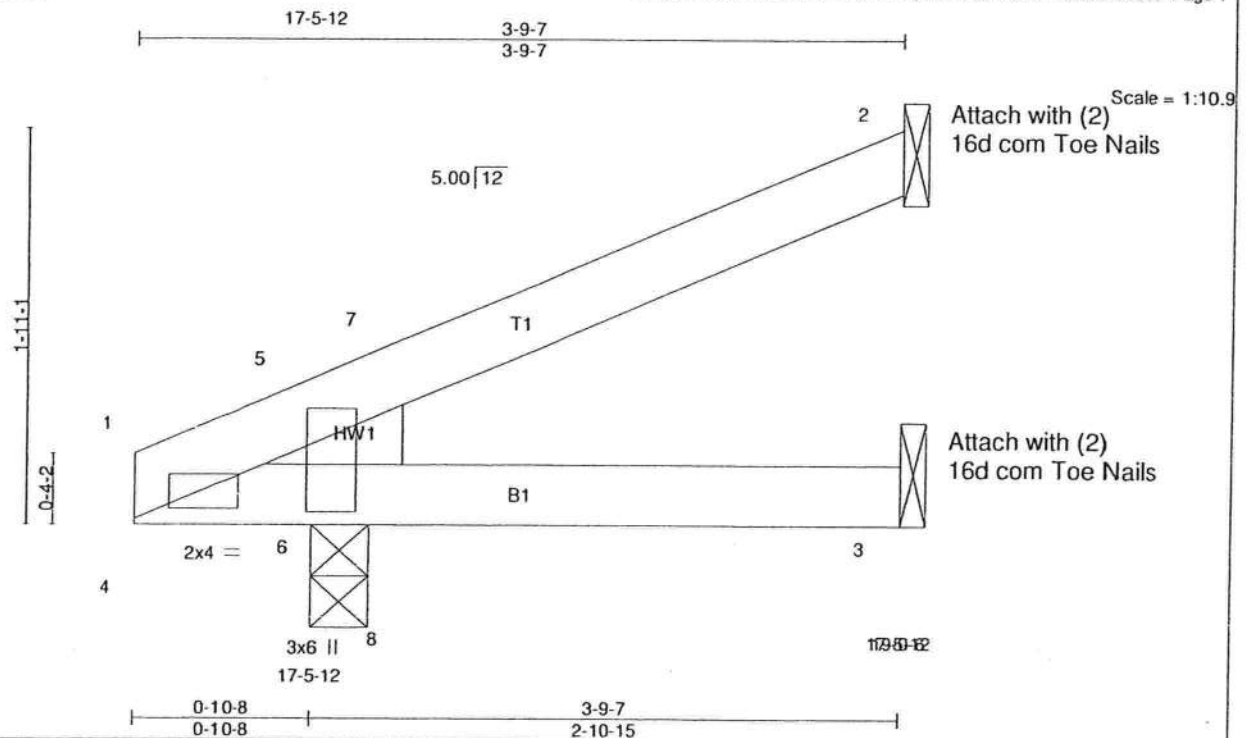


Plate Offsets (X,Y): [1:0-2-1,0-0-9], [1:0-0-7,0-10-3]

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.

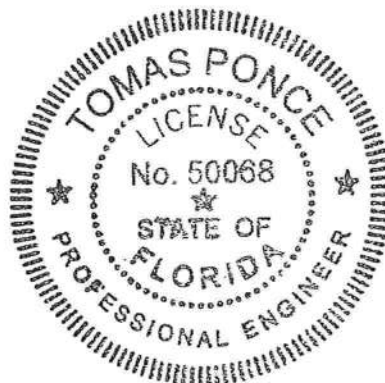
REACTIONS (lb/size) 2=54/Mechanical, 3=31/Mechanical, 6=161/0-1-8 (input: 0-3-8)
Max Horz 6=81(LC 6)
Max Uplift 2=-62(LC 6), 3=-5(LC 6), 6=-59(LC 6)
Max Grav 2=54(LC 1), 3=47(LC 2), 6=161(LC 1)

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.

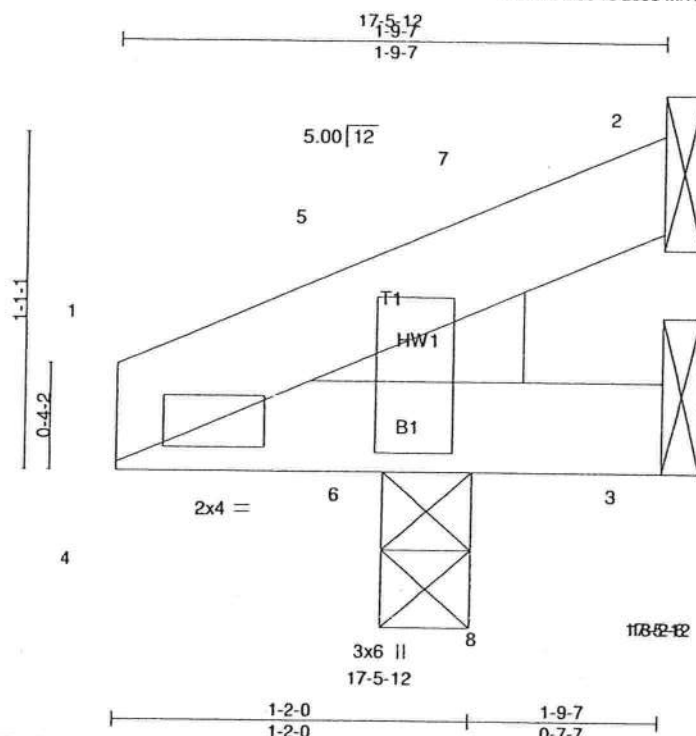
LOAD CASE(S) Standard



[Signature]

FEB 24 2009

Job	Truss	Truss Type	Qty	Ply	BAYBURY_140_FLORIDA
BAYBURY	J3X	JACK	66	1	Job 100012 (optional)
Maronda Homes Inc., Sanford, FL			7.110 s Dec 15 2008 MiTek Industries, Inc. Wed Feb 04 15:05:45 2009 Page 1		



Attach with (2)
16d corn Toe Nails

[illegible]

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 Uplift 3=-3(LC 6), 6=-41(LC 6), 2=-15(LC 6)
 Max Grav 3=3(LC 2), 6=116(LC 1), 2=3(LC 1)



FEB 24 2009

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

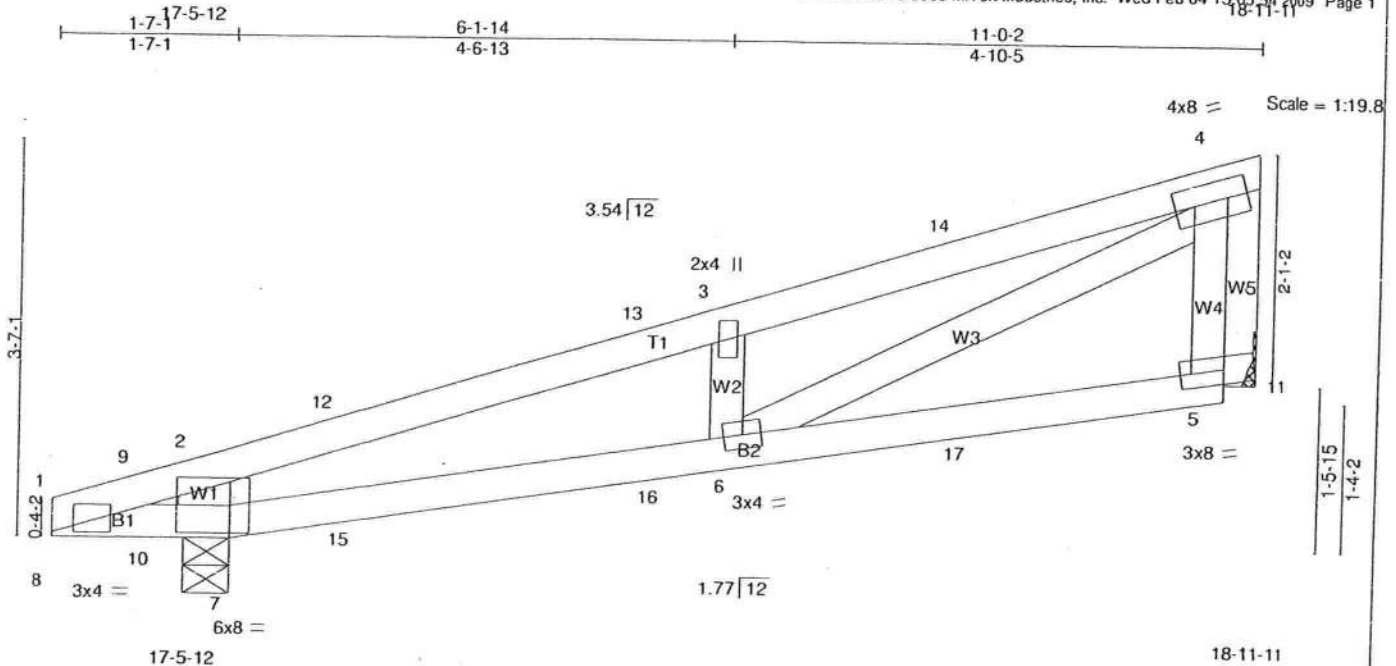


Plate Offsets (X,Y): [1:0-1-4,0-1-8], [5:0-4-11,0-1-8], [7:0-5-12,0-0-8]

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

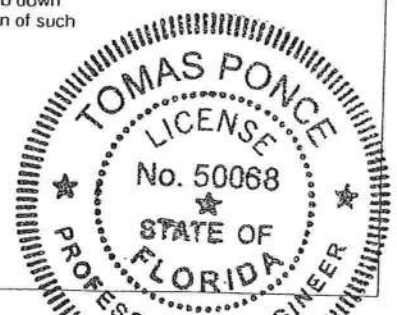
NOTES

- 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



FEB 24 2009

Job BAYBURY	Truss JSGRD1X	Truss Type SPECIAL	Qty 2	Ply 1	BAYBURY_140_FLORIDA
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Maronda Homes Inc., Sanford, FL

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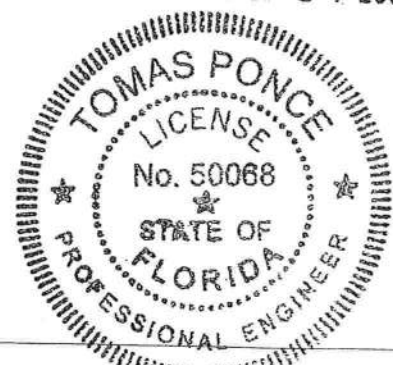
LOAD CASE(S) Standard

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)



FEB 24 2009



Job	Truss	Truss Type	Qty	Ply	BAYBURY_140_FLORIDA
BAYBURY	JSX	SPECIAL	4	1	
Maronda Homes Inc., Sanford, FL					Job Reference (optional)

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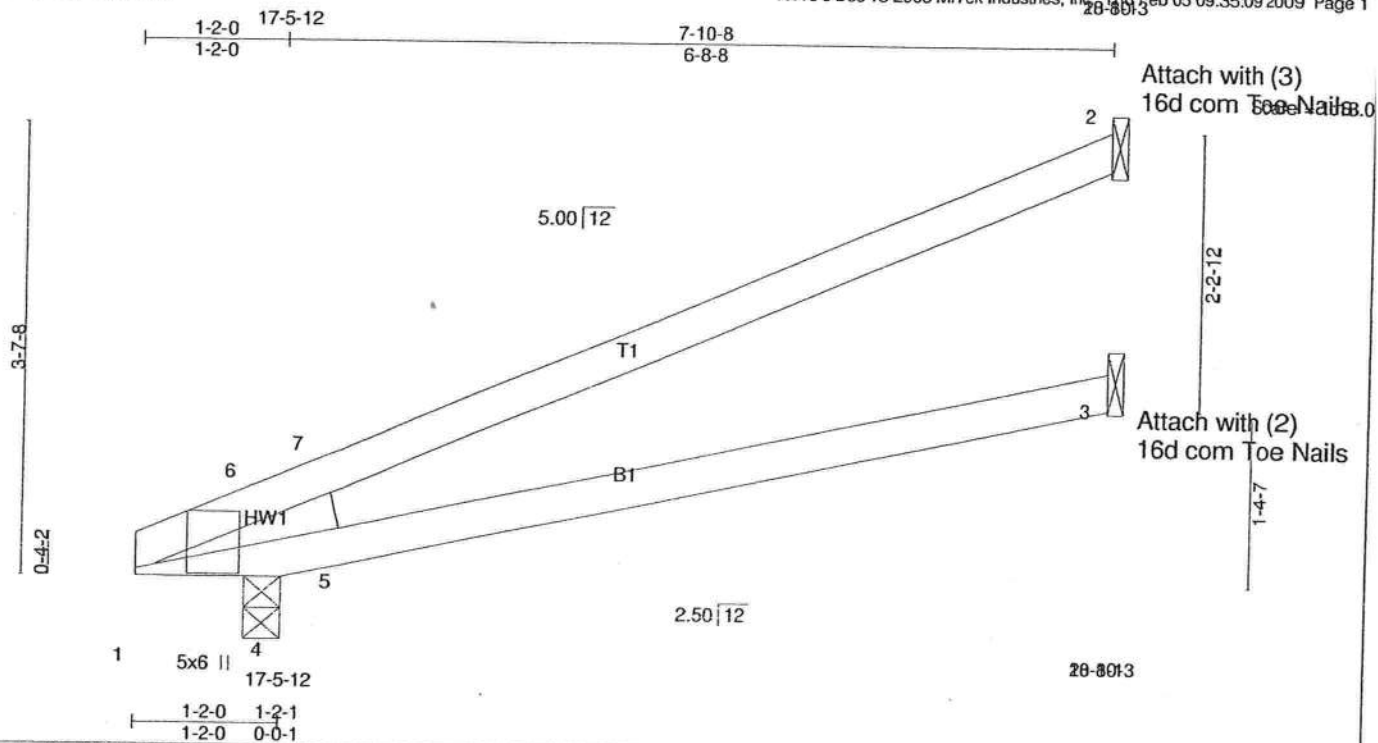


Plate Offsets (X,Y): [1:0-5-4,Edge]

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)

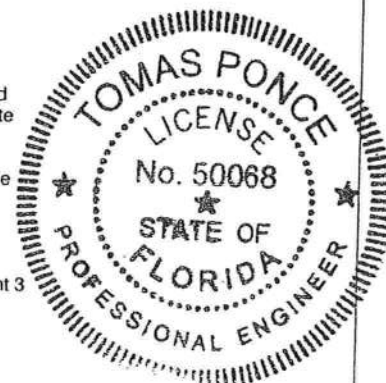
2=141/Mechanical, 3=81/Mechanical, 4=246/0-1-8 (input: 0-3-8)
Max Horz 4=147(LC 6)
Max Uplift 2=-152(LC 6), 3=-4(LC 6), 4=62(LC 6)
Max Grav 2=141(LC 1), 3=122(LC 2), 4=246(LC 1)

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



FEB 24 2009

Job BAYBURY	Truss JS1X	Truss Type SPECIAL	Qty 4	Ply 1	BAYBURY_140_FLORIDA
Maronda Homes Inc., Sanford, FL					Job Reference (optional)

7.110 s Dec 15 2008 MiTek Industries, Inc. Wed Feb 04 15:05:52 2009 Page 1

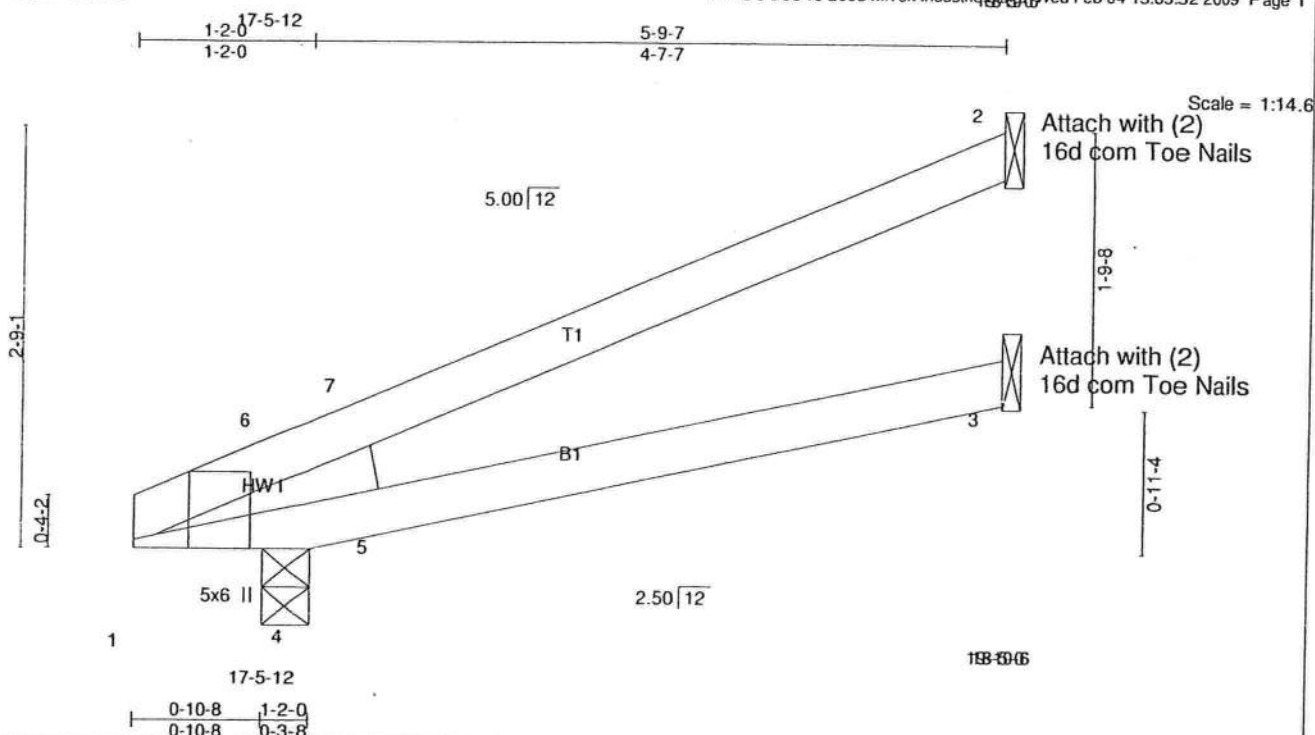


Plate Offsets (X,Y): [1:0-1-0,Edge]

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 BAYBURY	Truss JS2X	Truss Type SPECIAL	Qty 4	Ply 1	BAYBURY_140_FLORIDA
Maronda Homes Inc., Sanford, FL					Job Reference (optional) 7.110 s Dec 15 2008 MiTek Industries, Inc. Wed Feb 04 15:05:52 2009 Page 1

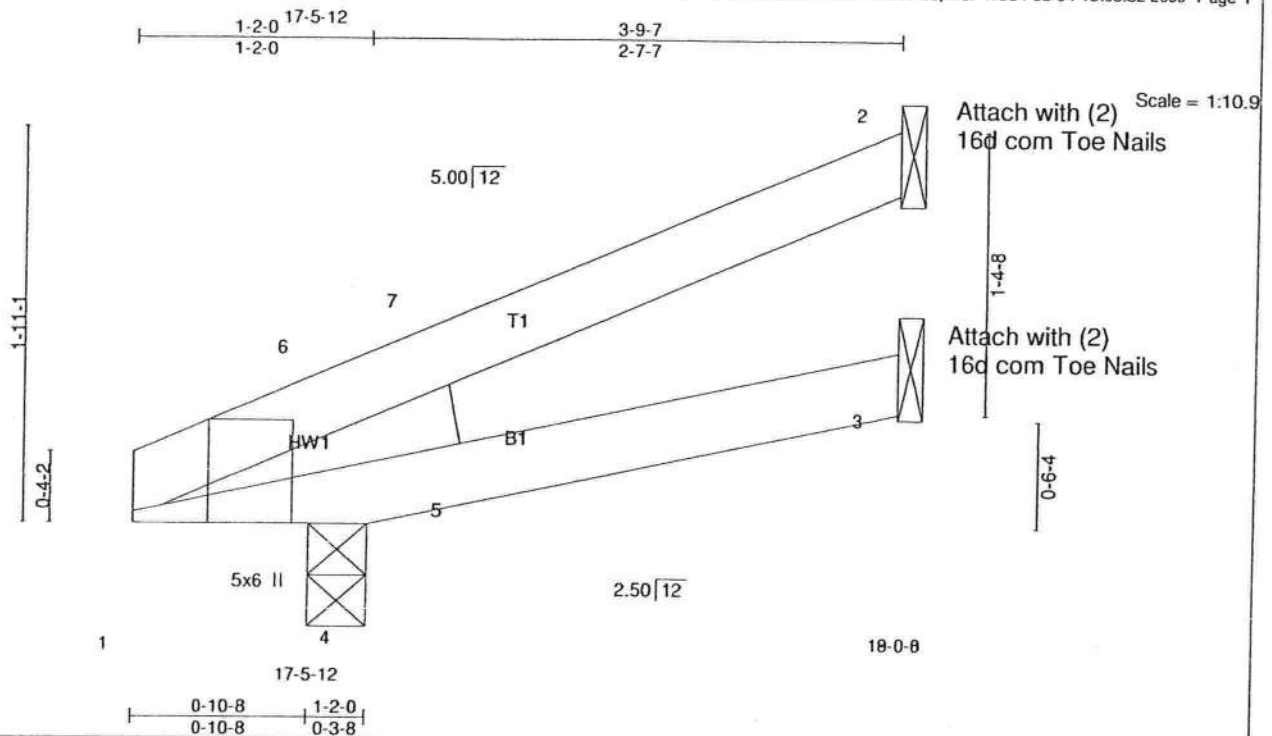


Plate Offsets (X,Y): [1:0-1-0,Edge]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase 2-0-0	TC 0.06	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 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) 2, 3, 4.

LOAD CASE(S) Standard



[Signature]

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

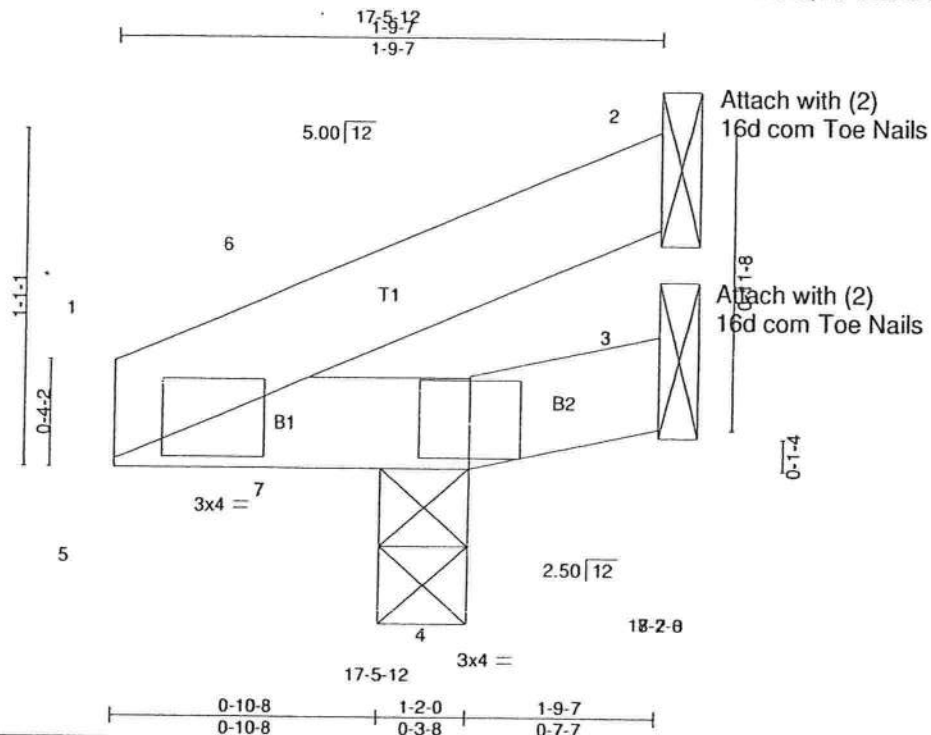


Plate Offsets (X,Y): [4:0-2-0,0-0-7]

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/TP12002							
							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.

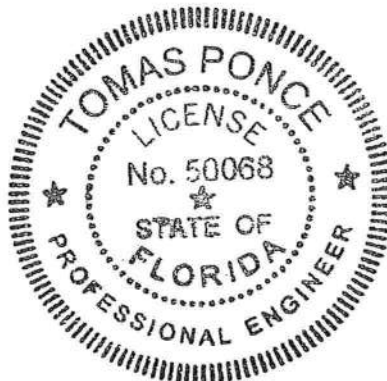
REACTIONS (lb/size) 3=6/Mechanical, 4=102/0-1-8 (input: 0-3-8), 2=9/Mechanical
Max Horz 4=38(LC 6)
Max Uplift 4=-94(LC 6), 2=-16(LC 5)
Max Grav 3=12(LC 2), 4=102(LC 1), 2=9(LC 1)

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.

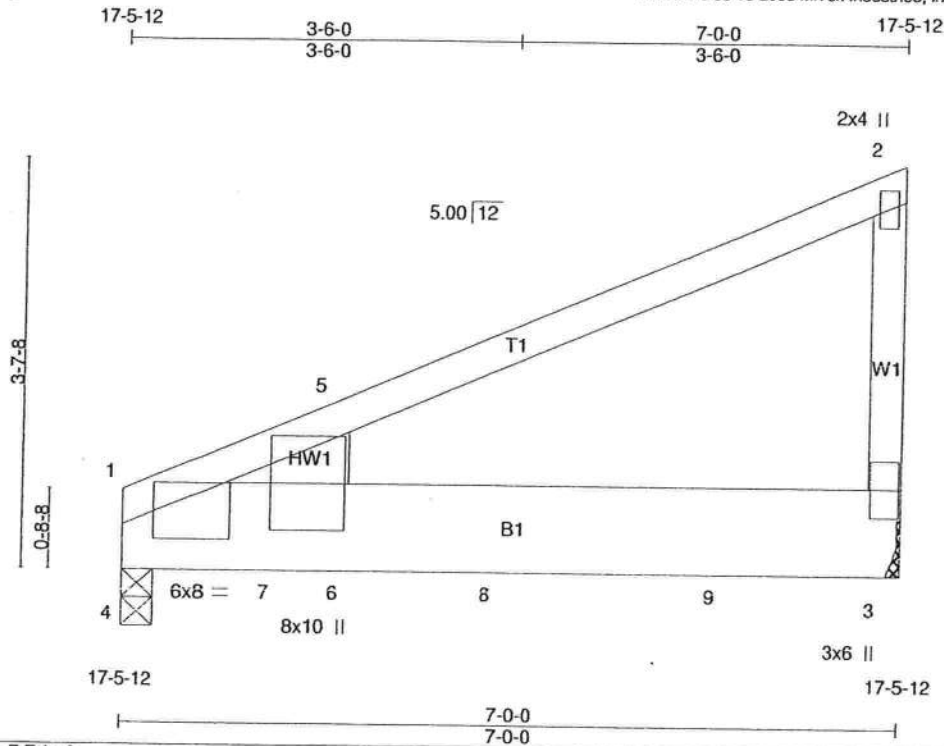
LOAD CASE(S) Standard



[Signature]

FEB 24 2009

Job	Truss	Truss Type	Qty	Ply	BAYBURY_140_FLORIDA
BAYBURY	MGRD1X	MONO TRUSS	1	1	
Maronda Homes Inc., Sanford, FL					Job Reference (optional)
					7.110 s Dec 15 2008 MiTek Industries, Inc. Thu Feb 05 09:35:07 2009 Page 1



Scale = 1:19.9

Plate Offsets (X,Y): [1:0-11-7,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 0.34	Vert(LL)	0.09	3-6	>876	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.98	Vert(TL)	-0.15	3-6	>566	240		
BCLL 0.0	Rep Stress Incr	NO	WB 0.03	Horz(TL)	0.01	1	n/a	n/a		
BCDL 10.0	Code FRC2007/TPI2002		(Matrix-M)							
										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)

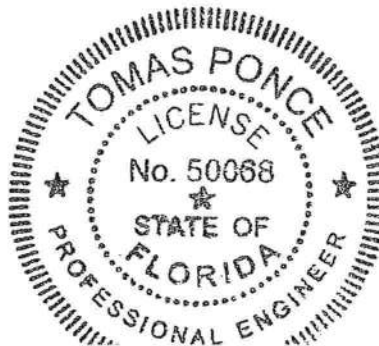
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 4-7=-152/285, 6-7=-152/285

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)

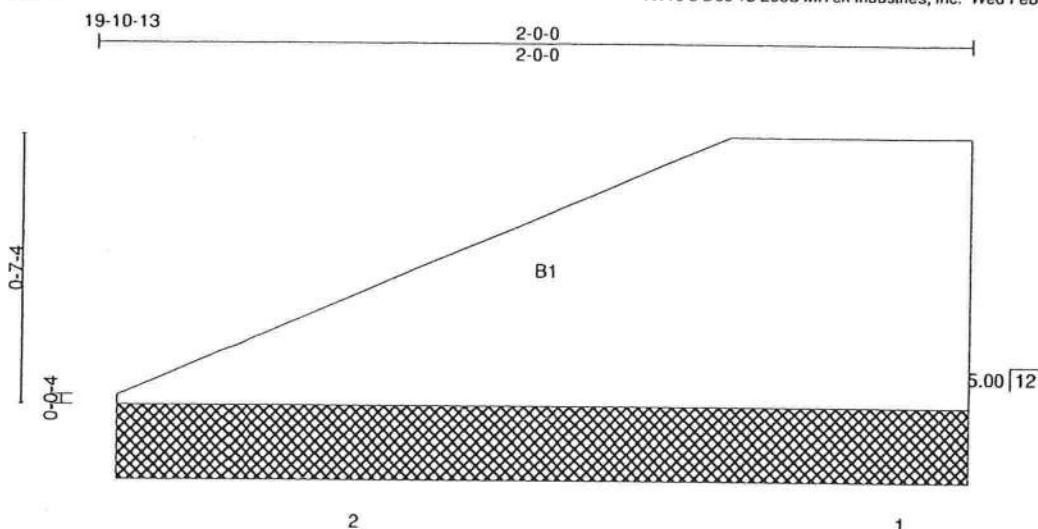


[Signature]
FEB 24 2009

Job	Truss	Truss Type	Qty	Ply	BAYBURY_140_FLORIDA
BAYBURY	V1X	VALLEY	1	1	

Maronda Homes Inc., Sanford, FL

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Scale = 1:5.0

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	Vdefl	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: 6 lb	

LUMBER
BOT CHORD 2 X 8 SYP No.2

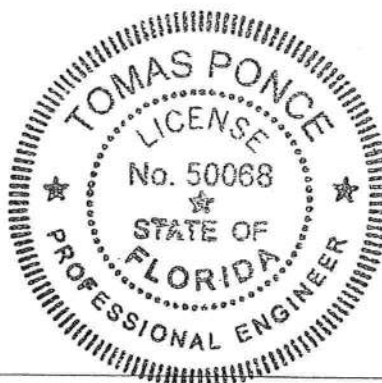
BRACING
BOT CHORD Rigid ceiling directly applied or 10'-0" oc bracing.

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.

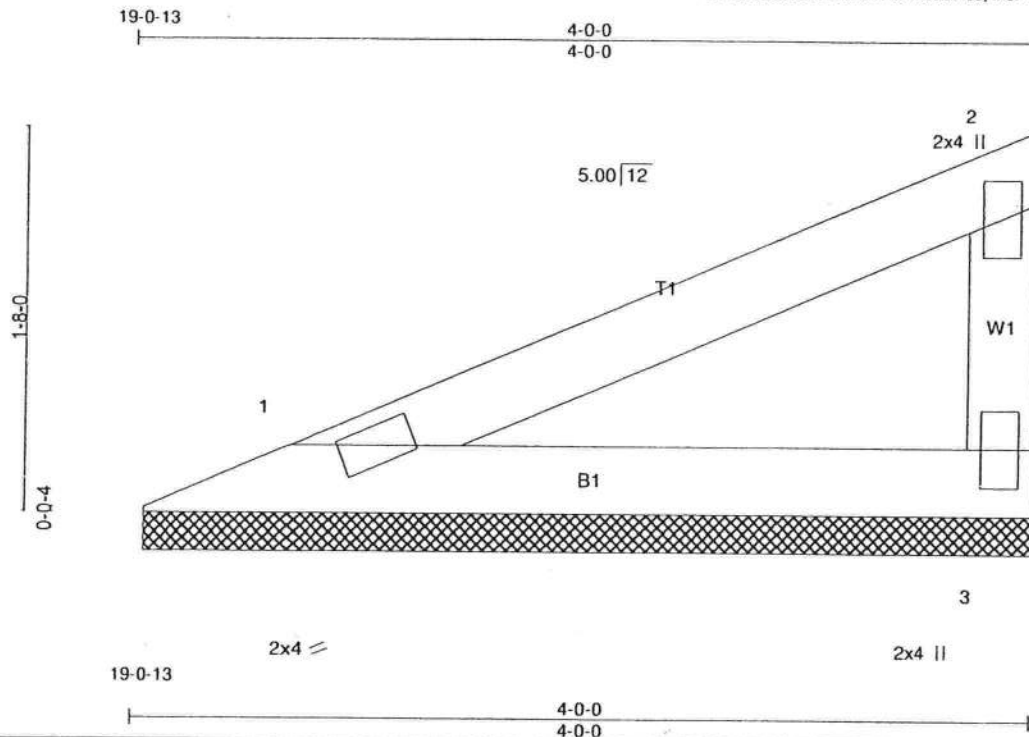
LOAD CASE(S) Standard



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FEB 24 2009

Job BAYBURY	Truss V2X	Truss Type VALLEY	Qty 1	Ply 1	BAYBURY_140_FLORIDA
Maronda Homes Inc., Sanford, FL					Job Reference (optional) 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)	Vdefl	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		
BCCL 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 4-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

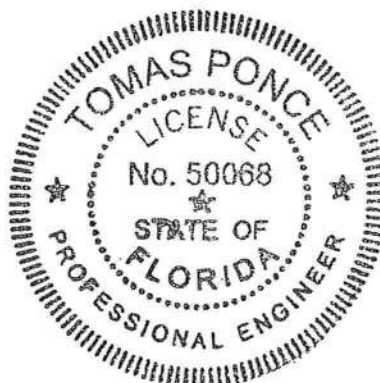
REACTIONS (lb/size) 1=103/0-1-8 (input: 3-11-6), 3=103/0-1-8 (input: 3-11-6)
Max Horz 1=68(LC 6)
Max Uplift 1=-38(LC 6), 3=-67(LC 6)

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 3-6-0 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, 3.

LOAD CASE(S) Standard

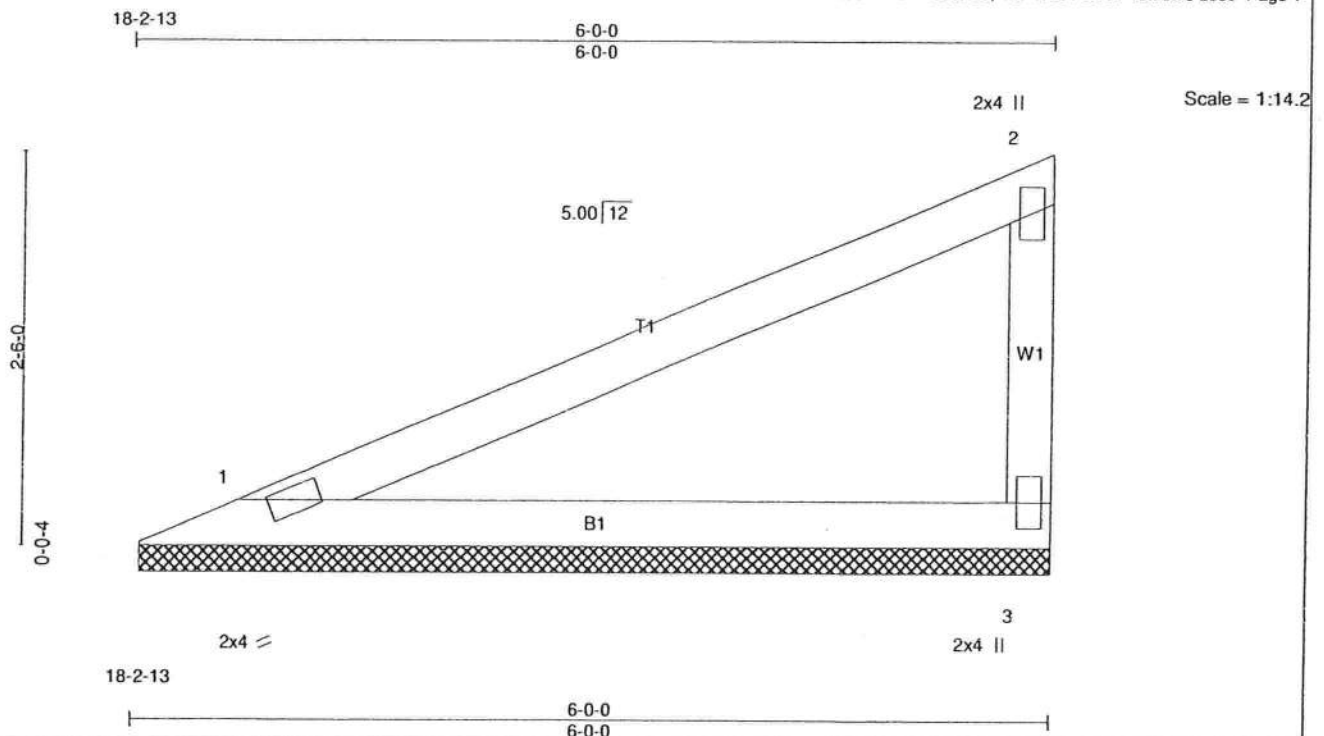


[Signature]

FEB 24 2009

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)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	2-0-0	TC 0.31	Ver(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.25	Ver(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/TP12002								
								Weight: 20 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 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

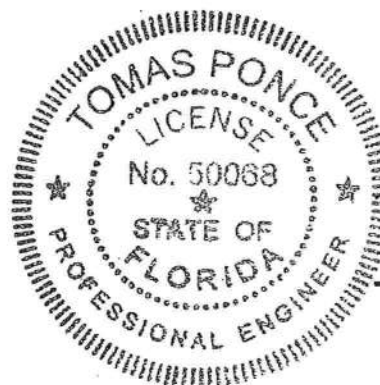
REACTIONS (lb/size) 1=169/0-1-8 (input: 5-11-6), 3=169/0-1-8 (input: 5-11-6)
Max Horz 1=111(LC 6)
Max Uplift 1=63(LC 6), 3=109(LC 6)

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 (if=lb) 3=109.

LOAD CASE(S) Standard

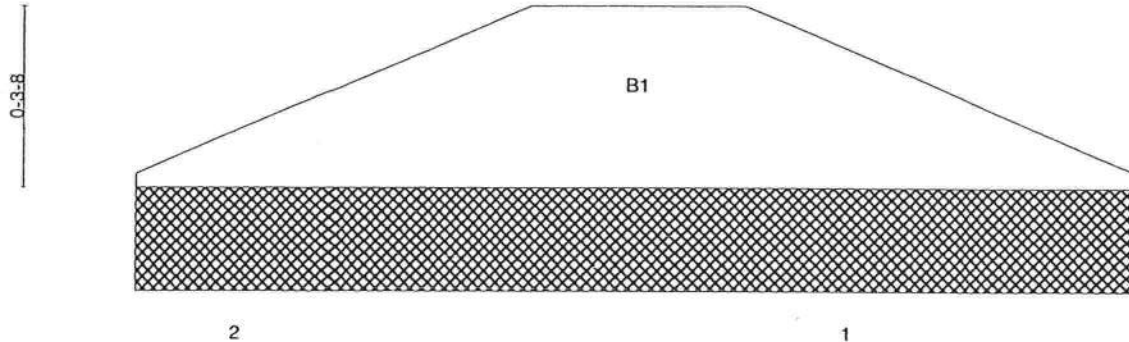


FEB 24 2009

Job BAYBURY	Truss V4X	Truss Type VALLEY	Qty 1	Ply 1	BAYBURY_140_FLORIDA
Maronda Homes Inc., Sanford, FL					Job Reference (optional)
7.110 s Dec 15 2008 MiTek Industries, Inc. Wed Feb 04 15:06:16 2009 Page 1					



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	2-0-0	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

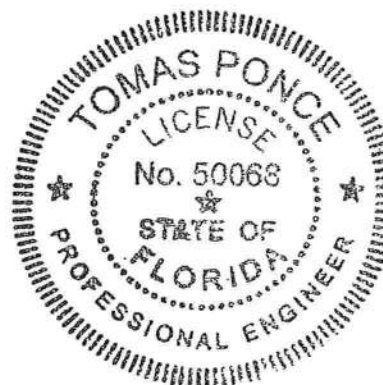
BRACING
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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



FEB 24 2009

Job BAYBURY	Truss V5X	Truss Type VALLEY	Qty 2	Ply 1	BAYBURY_140_FLORIDA
Maronda Homes Inc., Sanford, FL			Job Reference (optional) 7.110 s Dec 15 2008 MiTek Industries, Inc. Wed Feb 04 15:06:17 2009 Page 1		

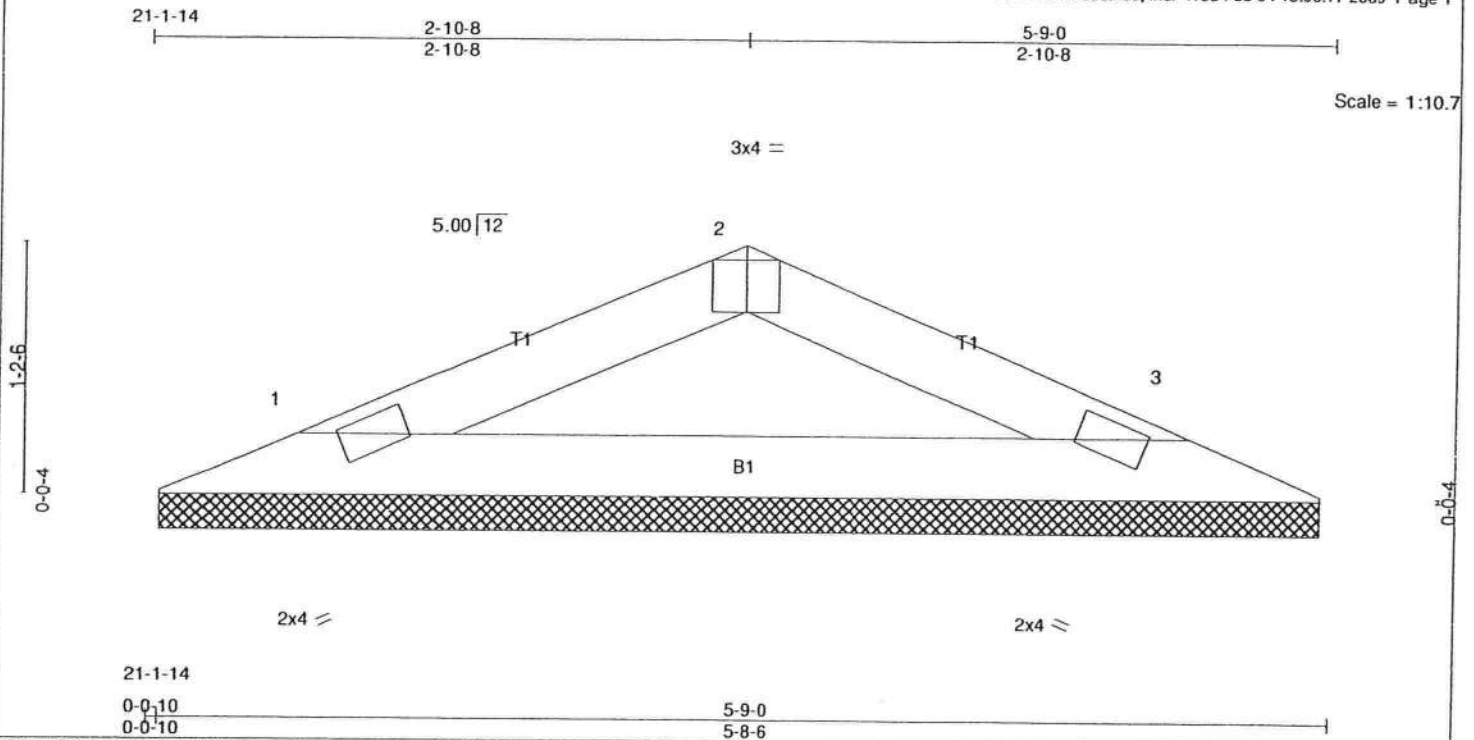


Plate Offsets (X,Y): [2:0-2-0,Edge]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.08	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.

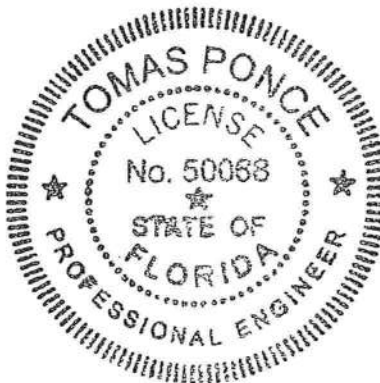
REACTIONS (lb/size) 1=142/0-1-8 (input: 5-7-12), 3=142/0-1-8 (input: 5-7-12)
Max Horz 1=17(LC 6)
Max Uplift1=-60(LC 6), 3=-60(LC 7)

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

NOTES

- 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; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- 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

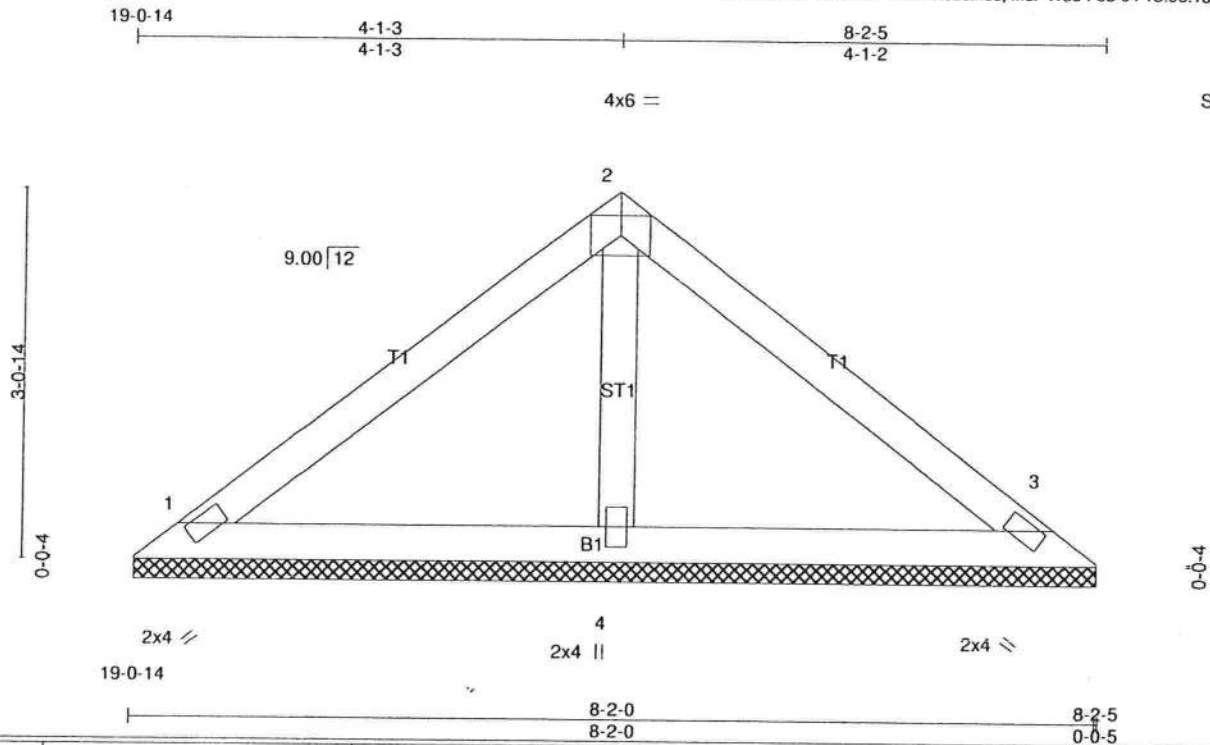


FEB 24 2009

Job BAYBURY	Truss V6X	Truss Type VALLEY	Qty 1	Ply 1	BAYBURY_140_FLORIDA
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Maronda Homes Inc., Sanford, FL

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

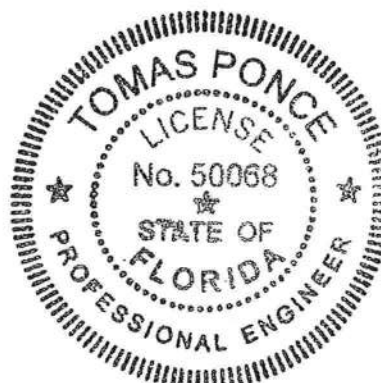
REACTIONS (lb/size) 1=132/0-1-8 (input: 8-1-11), 3=132/0-1-8 (input: 8-1-11), 4=218/0-1-8 (input: 8-1-11)
Max Horz 1=123(LC 5)
Max Uplift 1=78(LC 6), 3=88(LC 7), 4=36(LC 6)
Max Grav 1=132(LC 1), 3=132(LC 1), 4=222(LC 2)

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

NOTES

- 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; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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" tall by 1'-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) 1, 3, 4.

LOAD CASE(S) Standard

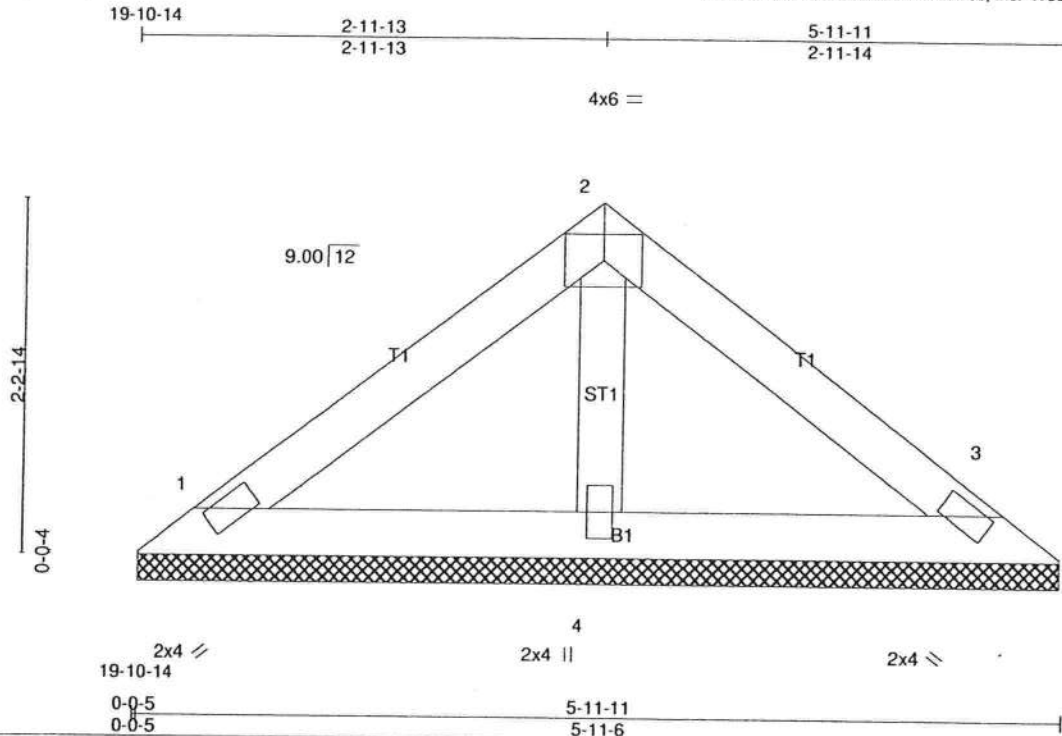


[Signature]

FEB 24 2009

Job BAYBURY	Truss V7X	Truss Type GABLE	Qty 1	Ply 1	BAYBURY_140_FLORIDA
Maronda Homes Inc., Sanford, FL					Job Reference (optional)

7.110 s Dec 15 2008 MiTek Industries, Inc. Wed Feb 04 15:06:19 2009 Page 1



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	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.06	Vert(TL)	n/a	-	n/a		
BCLL 0.0	Lumber Increase 1.25	WB 0.02	Horz(TL)	0.00	3	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

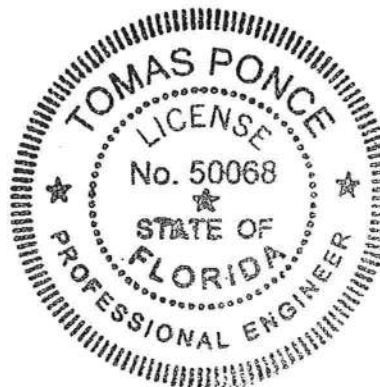
(lb/size) 1=92/0-1-8 (input: 5-11-1), 3=92/0-1-8 (input: 5-11-1), 4=152/0-1-8 (input: 5-11-1)
Max Horz 1=-86(LC 4)
Max Uplift 1=-54(LC 6), 3=-61(LC 7), 4=-25(LC 6)
Max Grav 1=92(LC 1), 3=92(LC 1), 4=154(LC 2)

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

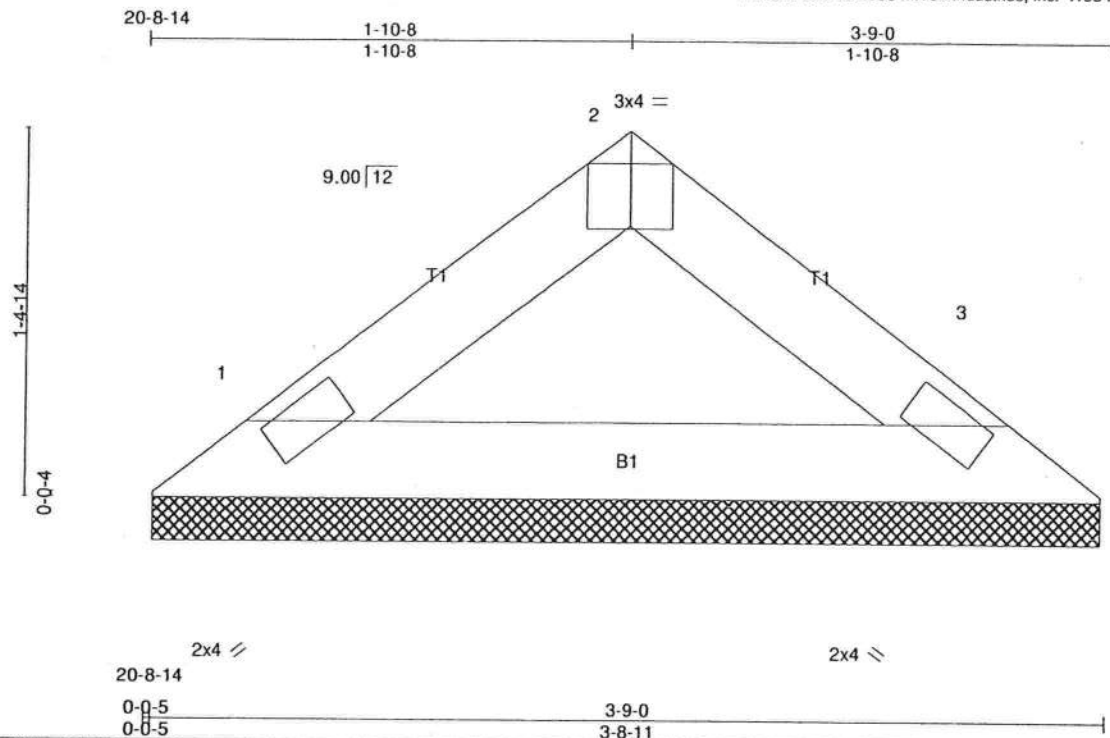


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FEB 24 2009

Job BAYBURY	Truss V11X	Truss Type VALLEY	Qty 1	Ply 1	BAYBURY_140_FLORIDA
Maronda Homes Inc., Sanford, FL					Job Reference (optional)

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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.

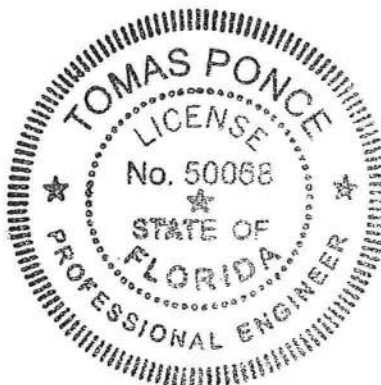
REACTIONS (lb/size) 1=95/0-1-8 (input: 3-8-6), 3=95/0-1-8 (input: 3-8-6)
Max Horz 1=-49(LC 4)
Max Uplift 1=-38(LC 6), 3=-38(LC 7)

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

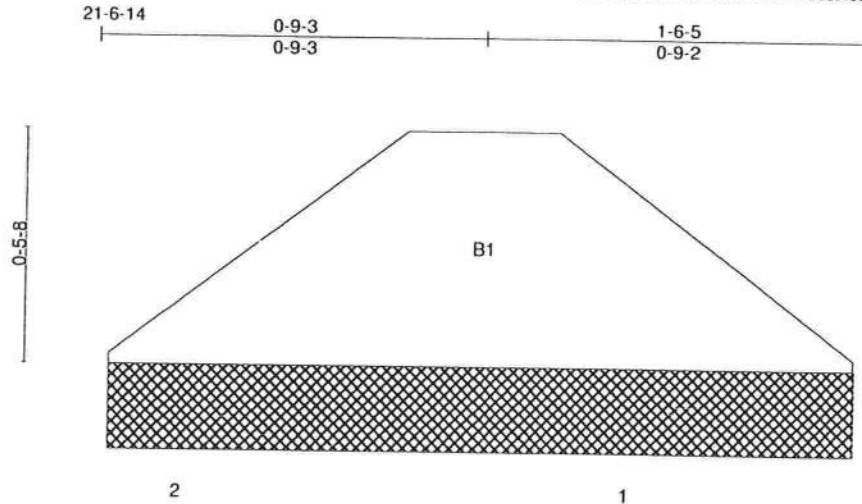


[Signature]

FEB 24 2009

Job BAYBURY	Truss V12X	Truss Type VALLEY	Qty 1	Ply 1	BAYBURY_140_FLORIDA
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/dell	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.

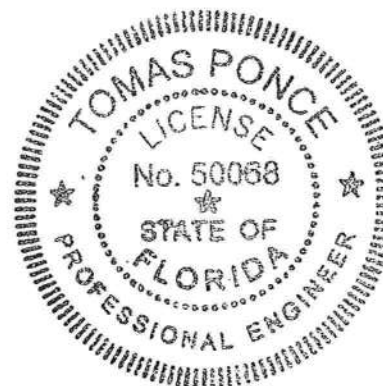
REACTIONS (lb/size) 2=9/0-1-8 (input: 1-5-11), 1=9/0-1-8 (input: 1-5-11)
Max Grav2=18(LC 2), 1=18(LC 2)

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

NOTES

- 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



[Signature]

FEB 24 2009

FEB 24 2009

Job ELEV_2_3CAR	Truss FB	Truss Type FLOOR	Qty 1	Ply 1	BAYBURY 2-3CAR_FL ELEV BBR 2 & 3 CAR Job Reference (optional)
Maronda Homes Inc., Sanford, FL			7.110 s Dec 15 2008 MiTek Industries, Inc. Thu Feb 05 10:02:24 2009 Page 1		

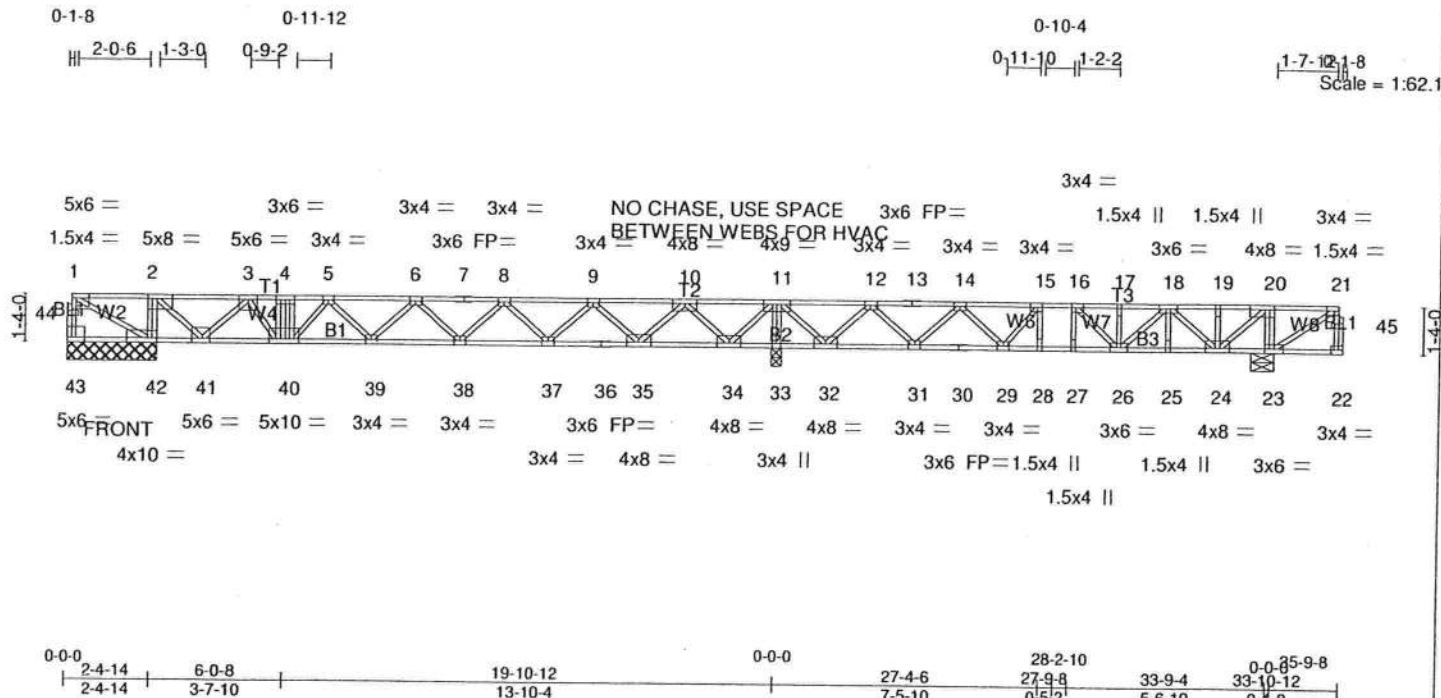


Plate Offsets (X,Y): [1:Edge,0-1-8], [2:0-3-0,Edge], [12:0-1-12,Edge], [15:0-1-8,Edge], [16:0-1-8,Edge], [20:0-3-0,Edge], [21:0-1-8,Edge], [31:0-1-12,Edge], [40:0-2-4,Edge], [41:0-2-8,Edge], [42:0-3-0,Edge], [43:Edge,0-1-8], [44:0-1-8,0-0-12], [45:0-1-8,0-0-12]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.77	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plates Increase 1.00	BC 0.56	Vert(LL) -0.13 38 >999 480		
BCLL 0.0	Lumber Increase 1.00	WB 0.81	Vert(TL) -0.19 38 >999 360		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.02 33 n/a n/a		
	Code FBC2007/TPI2002			Weight: 200 lb	

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

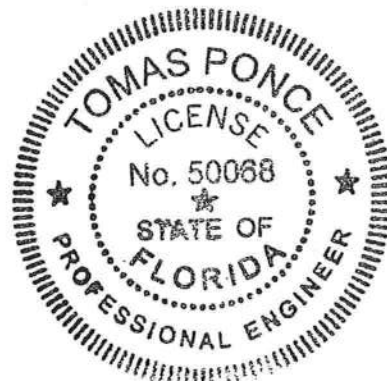
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 40-41,39-40,38-39,37-38.

REACTIONS All bearings 2-6-6 except (jt=length) 23=0-7-10, 33=0-3-8.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) except 43=1207(LC 6)
Max Grav All reactions 250 lb or less at joint(s) except 43=345(LC 5), 23=1386(LC 4), 42=2973(LC 2), 33=2071(LC 3)

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, 1-42=-2780/0

- NOTES**
- 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).

LOAD CASE(S) Standard
1) Floor: Lumber Increase=1.00, Plate Increase=1.00



[Signature]

FEB 24 2009

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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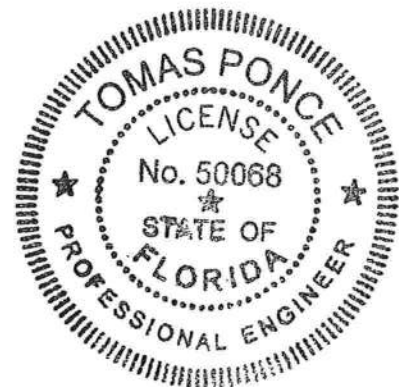
LOAD CASE(S) Standard

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.

FEB 24 2009

Job ELEV_2_3CAR	Truss FC	Truss Type FLOOR	Qty 9	Ply 1	BAYBURY 2-3CAR_FL ELEV BBR 2 & 3 CAR Job Reference (optional)
Maronda Homes Inc., Sanford, FL			7.110 s Dec 15 2008 MiTek Industries, Inc. Thu Feb 05 10:02:27 2009 Page 1		

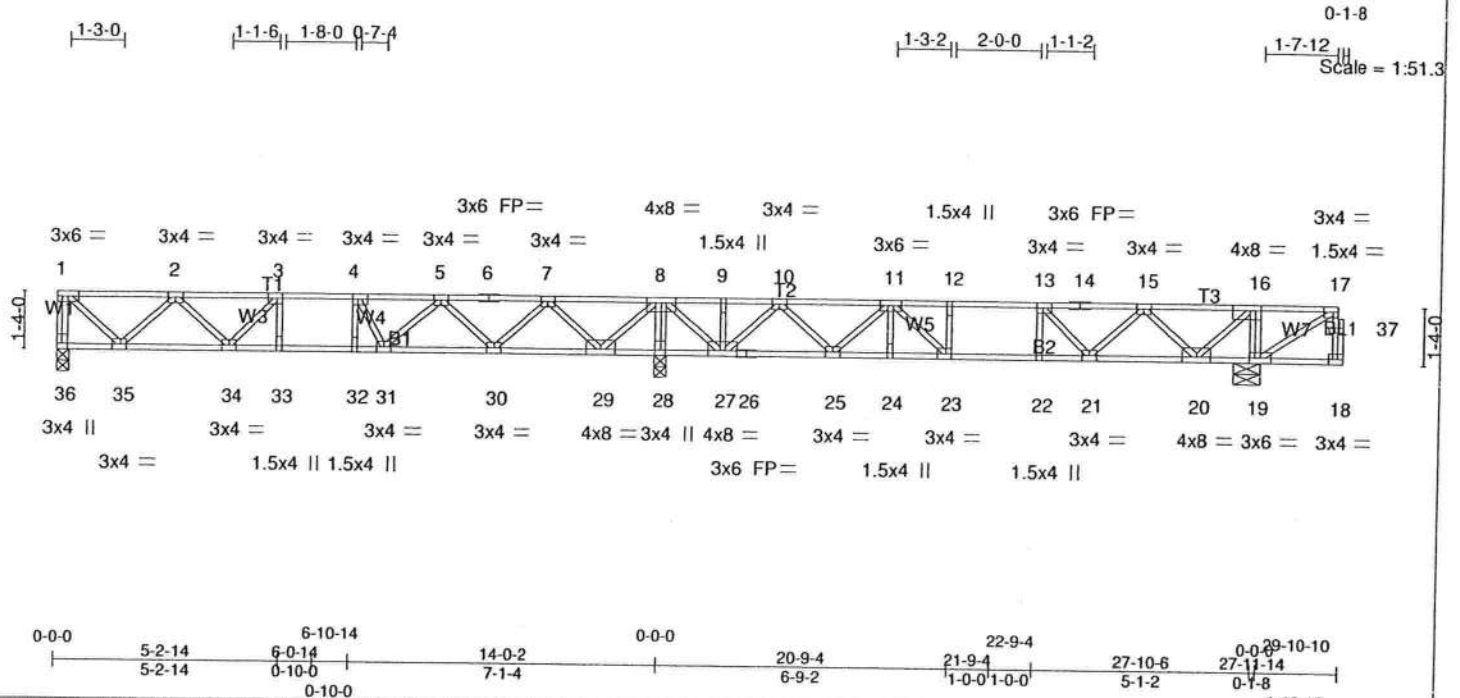


Plate Offsets (X,Y): [3:0-1-8,Edge], [4:0-1-8,Edge], [13:0-1-8,Edge], [16:0-3-0,Edge], [17:0-1-8,Edge], [23:0-1-8,Edge], [35:0-1-8,Edge], [36:Edge,0-1-8], [37:0-1-8,0-0-12]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plates Increase 1.00	TC 0.54	Vert(LL) -0.08	21-22	>999	480	MT20	244/190
TCDL 10.0	Lumber Increase 1.00	BC 0.70	Vert(TL) -0.10	32-33	>999	360		
BCLL 0.0	Rep Stress Incr NO	WB 0.48	Horz(TL) 0.02	19	n/a	n/a		
BCDL 5.0	Code FBC2007/TPI2002	(Matrix)						
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

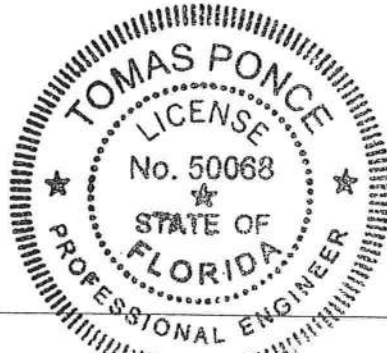
WEBS 8-27=0/1191, 10-27=-1032/0, 1-35=0/838, 2-35=-765/0, 2-34=-12/342, 3-34=-306/97, 10-25=0/665, 11-25=-632/0, 11-23=0/609, 8-29=0/1178, 7-29=-1109/0, 7-30=0/724, 5-30=-680/0, 5-31=0/449, 4-31=-512/0, 16-20=0/888, 15-20=-819/0, 15-21=0/477, 13-21=-478/0, 17-19=-985/0, 8-28=-1777/0, 16-19=-847/0, 4-32=-48/253

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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Diagram of a 1-3-0 bridge with a 100-ton capacity. The diagram shows a horizontal line representing the bridge deck, with a vertical line at each end representing the abutments. The number "1-3-0" is written above the line, indicating the span configuration (100 ft, 300 ft, 100 ft).

1-2-10 || 2-0-0 || 1-1-12

$$\frac{0-1-8}{1-4-0}$$


0-0-0

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.

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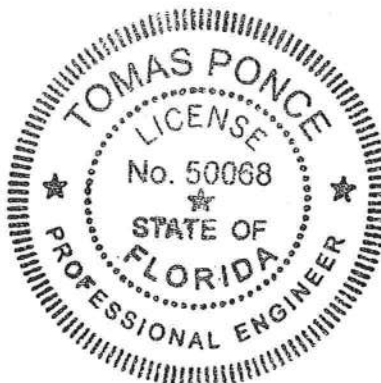
Weight: 109 lb

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, Except: 10-0-0 oc bracing: 24-25.

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

- 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).

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)



FEB 24 2009

Job ELEV_2_3CAR	Truss FF	Truss Type FLOOR	Qty 4	Ply 1	BAYBURY 2-3CAR_FL ELEV BBR 2 & 3 CAR 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		

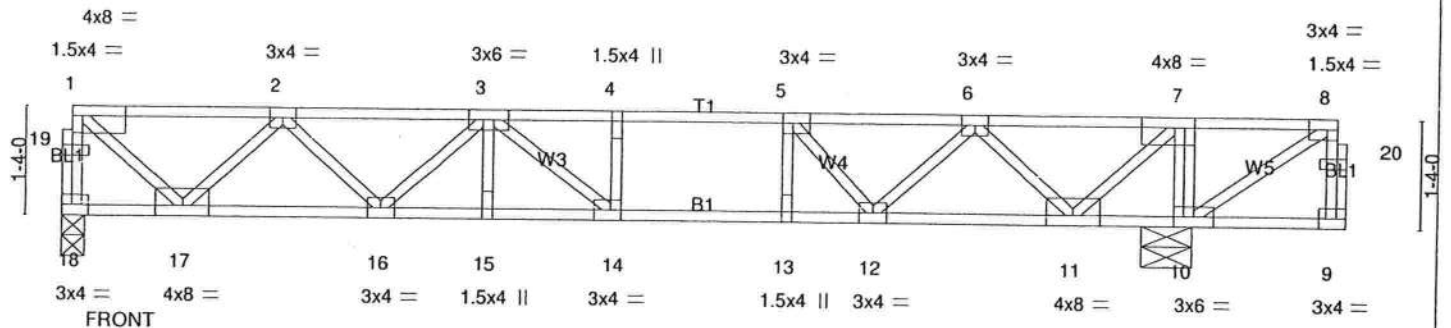
0-1-8

H | 1-3-0 |

| 1-5-14 | | 2-0-0 | | 0-11-14 |

| 1-7-8 | 0-1-8

Scale = 1:27.4



0-0-0

6-11-14

7-11-14, 8-11-14

13-11-12

0-0-0

14-1-0, 15-11-12

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]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 40.0	Plates Increase 1.00	TC 0.73	Vert(LL)	-0.15 14-15	>999	480	MT20	244/190
TCDL 10.0	Lumber Increase 1.00	BC 0.87	Vert(TL)	-0.22 14-15	>757	360		
BCLL 0.0	Rep Stress Incr NO	WB 0.39	Horz(TL)	0.03 10	n/a	n/a		
BCDL 5.0	Code FBC2007/TPI2002	(Matrix)						
							Weight: 86 lb	

LUMBER

TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.1D
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.

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

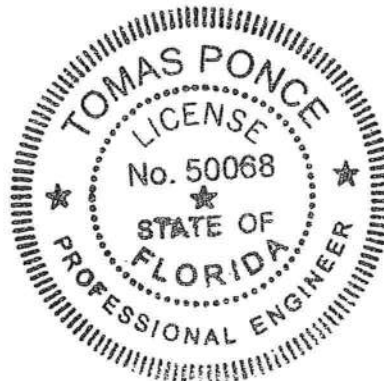
WEBS 5-13=-12/334, 7-10=-906/0, 7-11=0/973, 8-10=-971/0, 1-17=0/928, 2-17=-870/0, 6-11=-890/0, 6-12=0/666, 5-12=-839/0, 2-16=0/450, 3-16=-458/0, 3-14=-406/297

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)

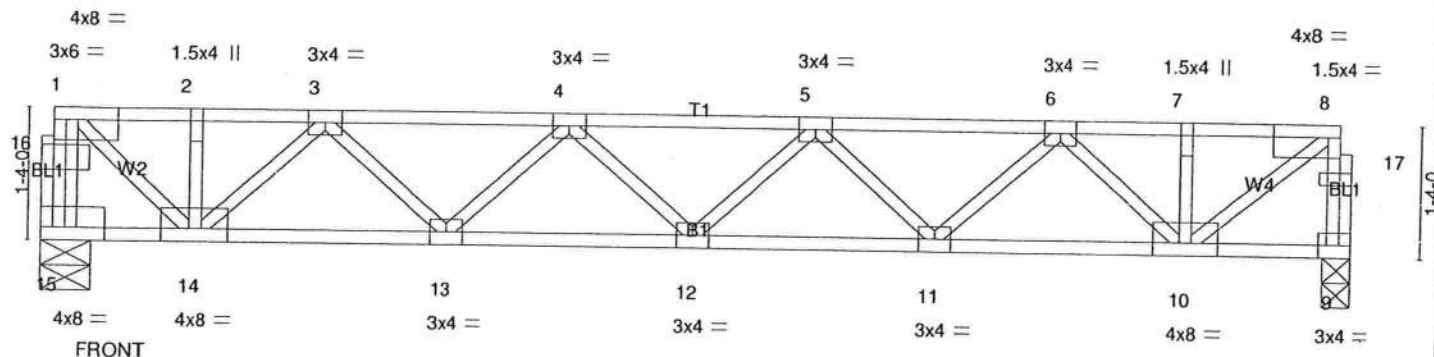


FEB 2 4 2009

Job ELEV_2_3CAR	Truss FG	Truss Type FLOOR	Qty 4	Ply 1	BAYBURY 2-3CAR_FL ELEV BBR 2 & 3 CAR Job Reference (optional)
Maronda Homes Inc., Sanford, FL					7.110 s Dec 15 2008 MiTek Industries, Inc. Thu Feb 05 10:02:36 2009 Page 1

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], [17:0-1-8,0-1-8]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.25	Vert(LL)	-0.07	12	>999	480	MT20	244/190
TCDL 10.0	Plates Increase 1.00	BC 0.49	Vert(TL)	-0.11	12	>999	360		
BCLL 0.0	Lumber Increase 1.00	WB 0.41	Horz(TL)	0.03	9	n/a	n/a		
BCDL 5.0	Rep Stress Incr NO	(Matrix)							
	Code FBC2007/TPI2002								
								Weight: 75 lb	

LUMBER	BRACING
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

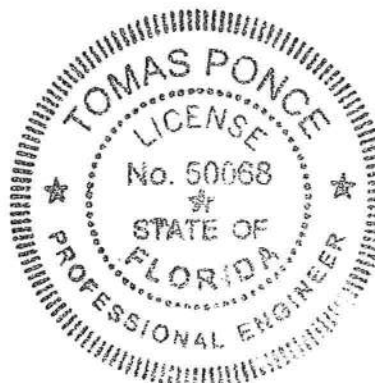
WEBS 3-14=-738/0, 3-13=0/425, 4-13=-387/0, 5-11=-384/0, 6-11=0/421, 6-10=-730/0, 8-10=0/1022, 1-14=0/943

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)



FEB 24 2009

Job ELEV_2_3CAR	Truss FJ	Truss Type FLOOR	Qty 1	Ply 1	BAYBURY 2-3CAR_FL ELEV BBR 2 & 3 CAR Job Reference (optional)
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Maronda Homes Inc., Sanford, FL

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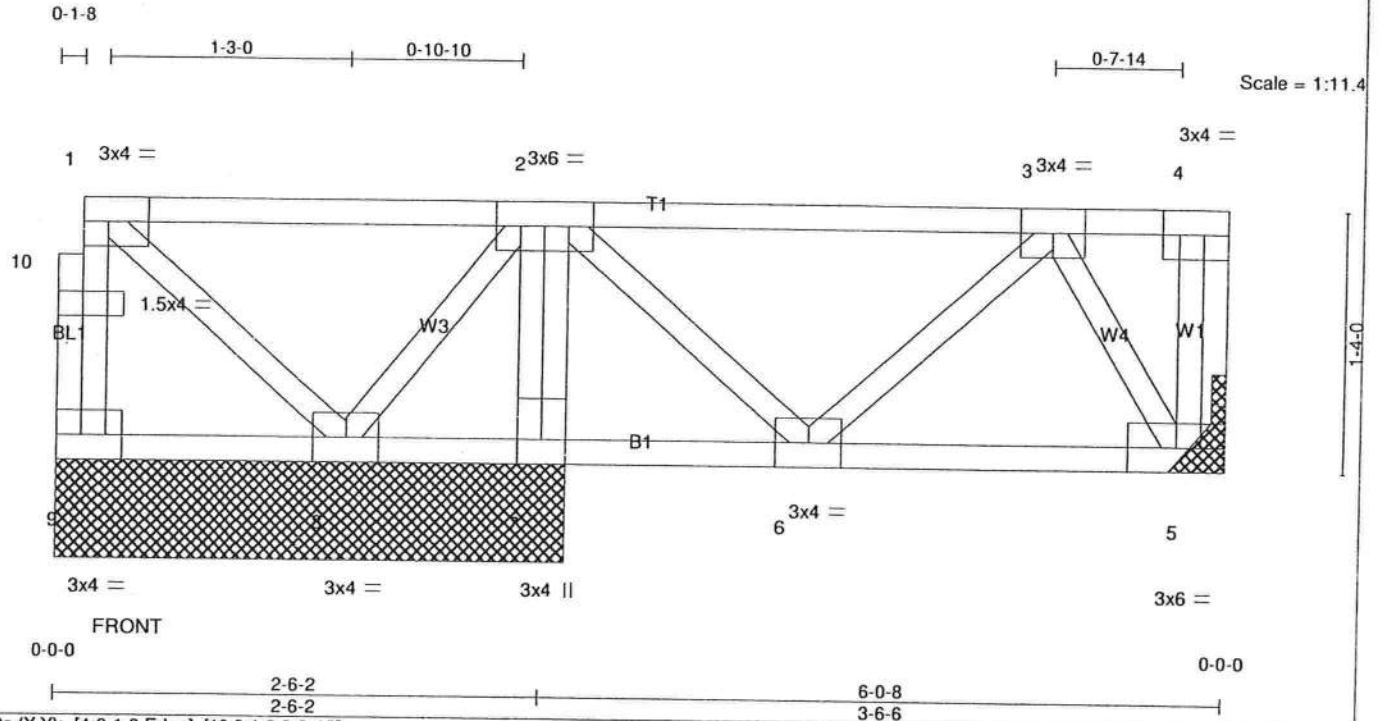


Plate Offsets (X,Y): [4:0-1-8,Edge], [10:0-1-8,0-0-12]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.38	Vert(LL)	-0.00	6	>999	480	MT20	244/190
TCDL 10.0	Plates Increase 1.00	BC 0.05	Vert(TL)	-0.00	5-6	>999	360		
BCLL 0.0	Lumber Increase 1.00	WB 0.05	Horz(TL)	0.00	5	n/a	n/a		
BCDL 5.0	Rep Stress Incr NO	(Matrix)							
	Code FBC2007/TPI2002								
								Weight: 39 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.

REACTIONS

All bearings 2-7-10 except (jt=length) 5=Mechanical.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 5, 8 except 9=504(LC 2); 7=304(LC 1)

FORCES

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

TOP CHORD 9-10=-499/0, 1-10=-498/0
WEBS 2-7=-294/0

NOTES

- Unbalanced floor live loads have been considered for this design.
- Refer to girder(s) for truss to truss connections.
- 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.
- CAUTION, Do not erect truss backwards.
- 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.
- 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

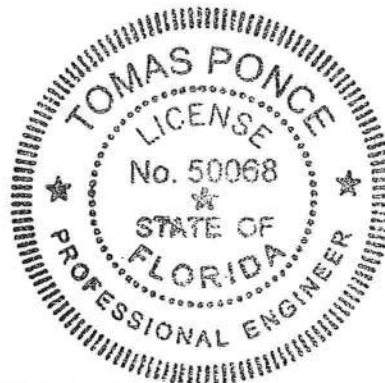
- Floor: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 5-9=-10, 1-4=-100

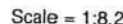
Concentrated Loads (lb)

Vert: 1=-462(F)



[Signature]

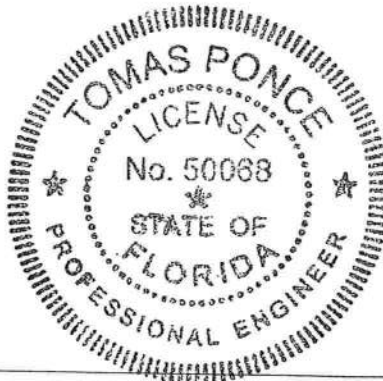
FEB 24 2009



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.

Uniform Loads (plf)
Vert: 4-6=-10, 1-3=-100
Concentrated Loads (lb)
Vert: 1=-597(F)



FEB 24 2009

Job ELEV_2_3CAR	Truss FI	Truss Type FLOOR	Qty 1	Ply 1	BAYBURY 2-3CAR_FL ELEV BBR 2 & 3 CAR Job Reference (optional)
Maronda Homes Inc., Sanford, FL					

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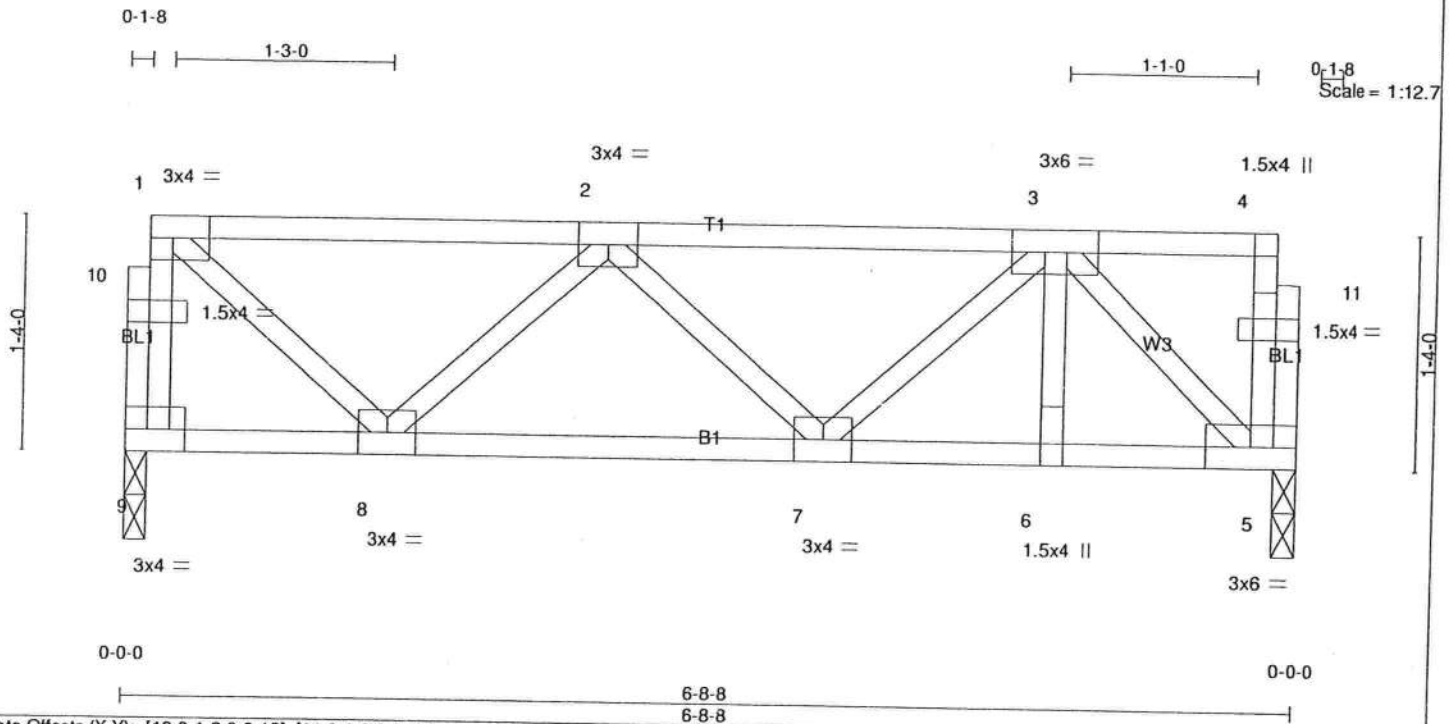


Plate Offsets (X,Y): [10:0-1-8,0-0-12], [11:0-1-8,0-0-12]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.34	Vert(LL)	-0.01	7	>999	480	MT20	244/190
TCDL 10.0	Plates Increase 1.00	BC 0.12	Vert(TL)	-0.01	7-8	>999	360		
BCLL 0.0	Lumber Increase 1.00	WB 0.14	Horz(TL)	0.00	5	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2007/TPI2002								
								Weight: 39 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 10-0-0 oc bracing.

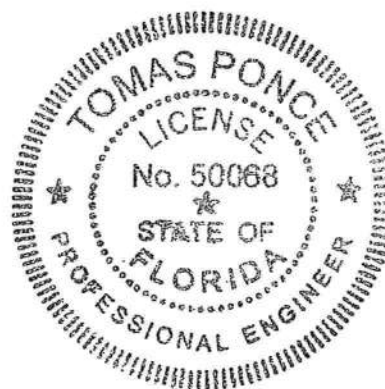
REACTIONS (lb/size) 9=349/0-1-8 (input: 0-1-8), 5=349/0-1-8 (input: 0-1-8)

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 FLORIDA DEPARTMENT OF BUILDING AND ZONING INSPECTION

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



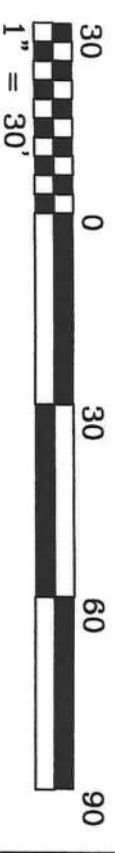
Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

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.



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



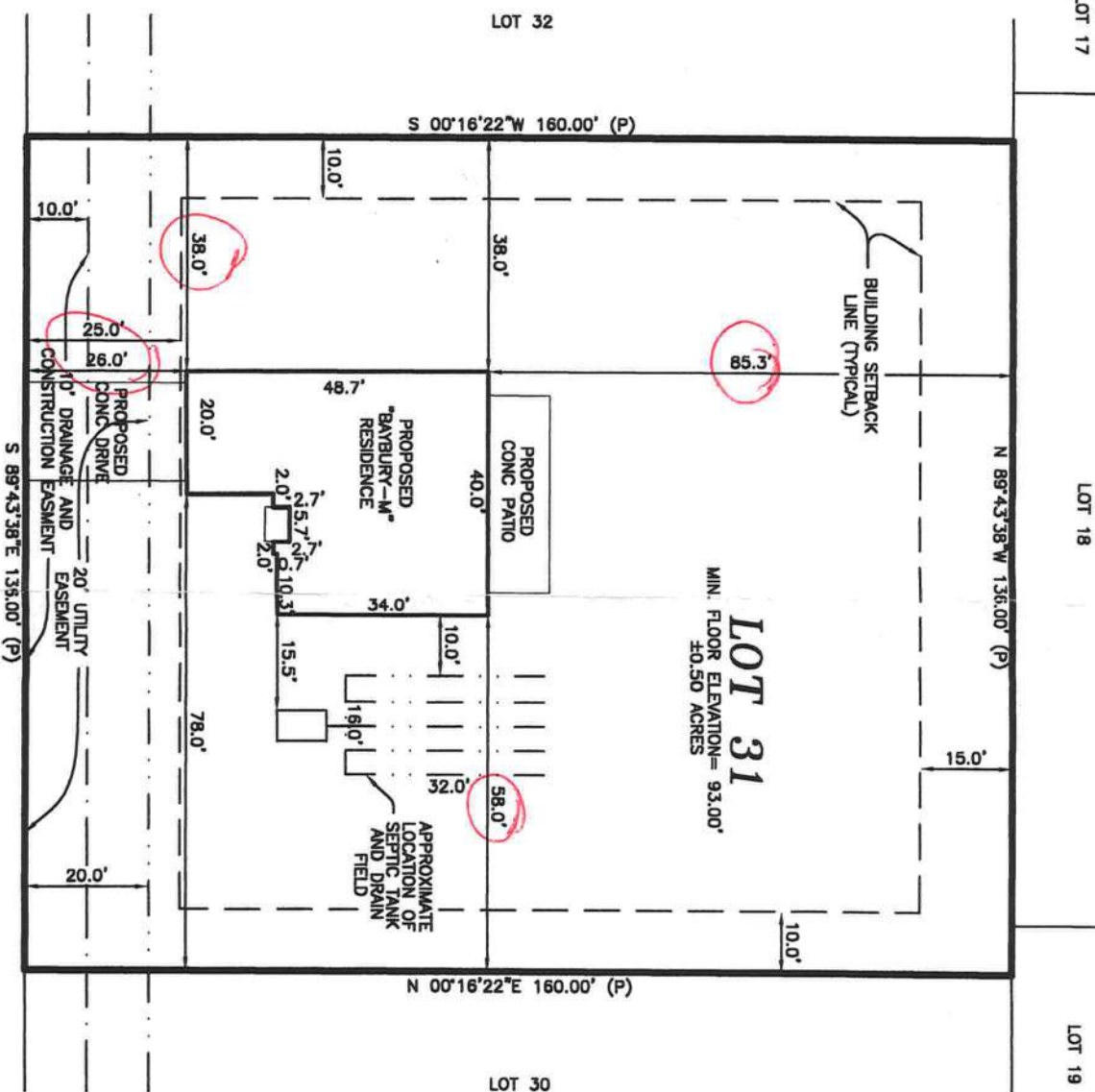
1) MARONDA HOMES

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

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 SUREYOR BY BRITT SUREYING (PLATTING SUREYOR) DATUM UNKNOWN.

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.



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,

S.W. MULBERRY DRIVE

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 AFFECT THIS PARCEL. THE PRESENCE OR ABSENCE OF ANY SUCH CLAIMS ARE NOT CERTIFIED HEREON.

- = FOUND 1/2" REBAR NO IDENTIFICATION
- = FOUND 1/2" REBAR & CAP L.B. 6894
- = SET 1/2" REBAR & CAP L.B. 6894

● = FOUND 1/2" REBAR NO IDENTIFICATION
 ○ = FOUND 1/2" REBAR & CAP
 L.B. 6894
 ○ = SET 1/2" REBAR & CAP
 L.B. 6894
 ● = FOUND 3/4" IRON PIPE
 ■ = FOUND 4" X 4" CONC. MON.
 NO IDENTIFICATION
 □ = SET 4" X 4" CONC. MON.
 P.S.M. 5582
 X = SET NAIL & DISK P.S.M. 5582
 X = FOUND NAIL & DISK
 ■ = FOUND 6" X 6" S.R.D.
 R/W MON.
 B = CATV RISER
 ■ = TELEPHONE PEDESTAL
 ● = WOOD POWER POLE
 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
 PB = PLAT BOOK
 P.U.C. = PUBLIC UTILITIES EASEMENT
 TRANS = TRANSFORMER
 TYP = TYPICAL
 WM = WATER METER
 WV = WATER VALVE

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 61G1-6, FLORIDA ADMINISTRATIVE CODE.

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"

DATE: 5/28/2009

DRAWN BY: J.D.M.
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



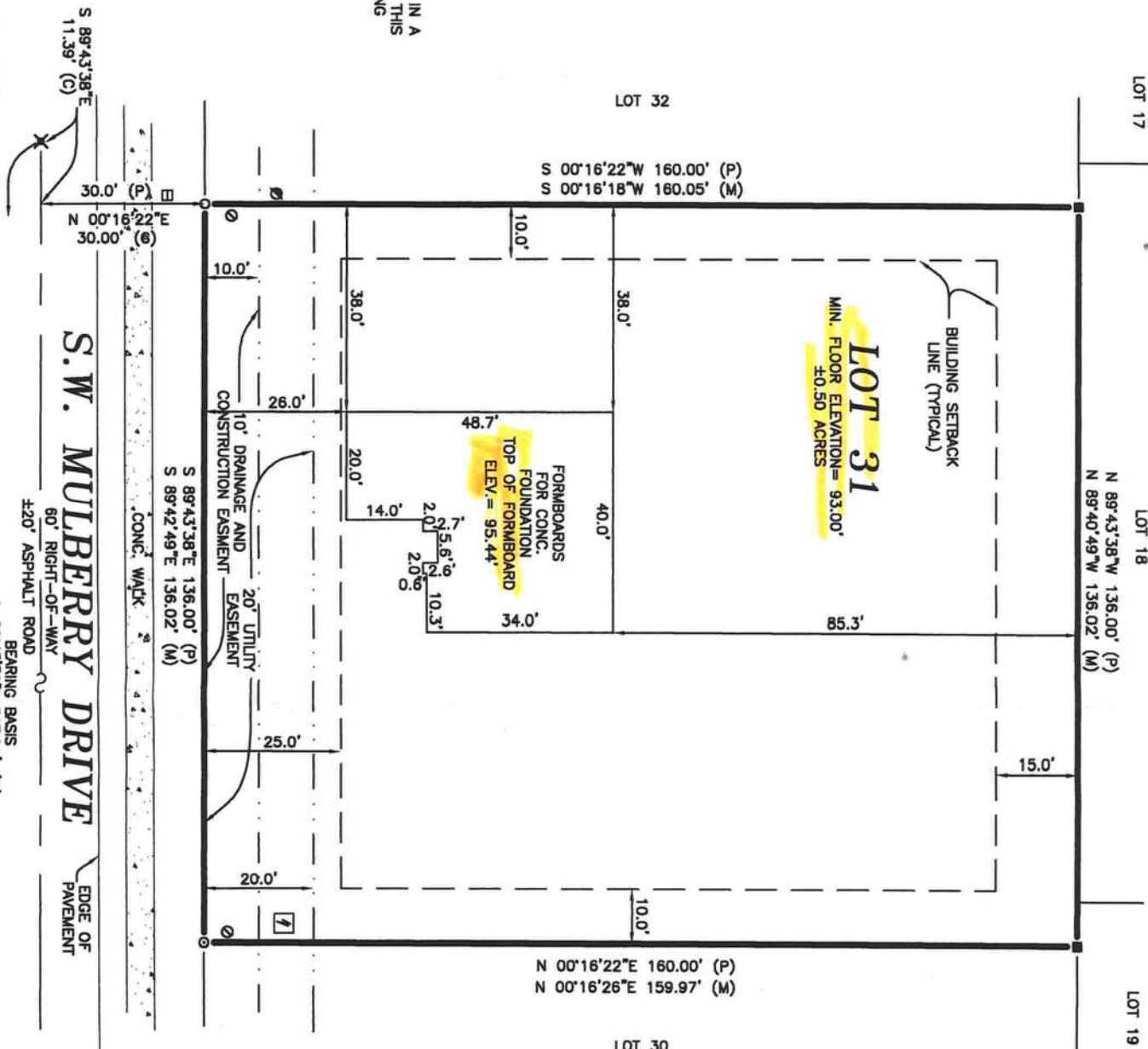
CERTIFIED TO:
1) MARONDA HOMES

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 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. 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
- OV = OVERHEAD UTILITIES
- PL = PLAT
- P.B. = 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.

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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# 5362
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' DRAWN BY: J.D.M.
DATE: 7/30/2009 "THE BENCHMARK IN QUALITY SERVICE" 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:	Timbeelaarl
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: ybs

PRICE PER SQ. FT. =	TOTAL FOR P.T.	REMARKS
	ADDITIONAL	
	TAX:	
	TOTAL AMOUNT \$	
X	SSA	X TECHNICIAN: Casey

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