

PRODUCT APPROVAL INFORMATION SHEET FOR THE CITY OF JACKSONVILLE, FLORIDA

Project Name:

LOT 86 TIMBERLANDS

Permit No:

Subdivision:

TIMBERLANDS

Lot: 36 Block:

Project Address:

438 SW MULBERRY FL 32024

Date:

9/27/2011

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 #	Design Pressures
A. EXTERIOR DOORS	Plastpro Inc./ Nanya Plastics Corp.	Fiberglass Dr Single	Evaluated for use in locations	FL 6184.1	+65 / -70
		Fiberglass Dr w/ Sidelite	adhering to the Florida Building	FL 6184.3	+50 / -50
		Fiberglass Dr w/ Dbl Sidelite	Code and where pressure requirements as determined by	FL 6184.5	+50 / -50
		Fiberglass Dr Single Glazed	ACSE 7 Minimum Design Loads	FL 6729.1	+50 / -50
		Fiberglass Dbl Fr Dr Glazed	For Building and Other Structures	FL 6729.4	+50 / -50
2. Sliding	MI Windows & Doors	420/430/440 Sliding Glass Door	Windows have not been evaluated For use in in HVHZ	FL 11956	+45 / -45
3. Sectional					
4. Roll Up	Wayne Dalton Corp.	Garage Doors 130 10'-16' 9100 / 5102 8'-9' Garage Doors 140 10'-16' 9100 / 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	+25.9 / -28.8 +26.9 / -30.8 +39.2 / -43.7 +43.3 / -49.6
B. WINDOWS					
1. Single Hung	MI Windows & Doors	Series 740 / 3740	53" x 76" Max. Windows have not been evaluated for use in High Velocity Hurricane Zones	FL 11827	+45 / -45

NOTICE OF COMMENCEMENT

DC P DeWitt Cason, Columbia County Page 1 of 1 B:1222 P:71
 10/201112014825 Date: 9/29/2011 Time: 1:34 PM

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):
 a) Street (job) Address: 438 SW Mulberry Dr., Lake City, FL 32024
 b) General description of improvements: Construction of single family dwelling

2. Owner Information
 a) Name and address: Maronda Homes Inc., of Florida Jax., FL 32216
 b) Name and address of fee simple titleholder (if other than owner): Maronda Homes Inc., of Florida Jax., FL 32216
 c) Interest in property: Owner Fee Simple

3. Contractor Information
 a) Name and address: Maronda Homes Inc., of Florida Jax., FL 32216
 b) Telephone No.: 904 296-1490
 c) Fax No. (Opt): 904 332-6375

4. Surety Information
 a) Name and address: 6800 Southpoint Pkwy # 300
 b) Amount of Bond: 6800 Southpoint Pkwy # 300
 c) Telephone No.: 904 332-6375
 d) Fax No. (Opt): 904 332-6375

5. Lender
 a) Name and address: Bank of America 250 Park Ave. South # 400, Winter Park, FL 32789
 b) Phone No.: 407-646-6303
 c) Name and address of person within the State of Florida designated by owner upon whom notices or other documents may be served: 955 KELLER Road, Ste 1700 Altamonte Springs, FL 32714
 d) Telephone No.: 407-660-4422
 e) Fax No. (Opt): 407-660-4422

6. In addition to himself, owner designates the following person to receive a copy of the Lender's Notice as provided in Section 713.13(1)(b).
 a) Name and address: 955 KELLER Road, Ste 1700 Altamonte Springs, FL 32714
 b) Telephone No.: 407-660-4422
 c) Fax No. (Opt): 407-660-4422

7. Expiration date of Notice of Commencement (the expiration date is one year from the date of recording unless a different date is specified):

8. FARMING 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.

9. STATE OF FLORIDA
 COUNTY OF COLUMBIA Duval Co

10. Signature of Owner or Owner's Authorized Officer/ Director/ Partner/ Manager
 Steven R. Hogg

11. The foregoing instrument was acknowledged before me, a Florida Notary, this 26 day of September 2011 by:

Steven R. Hogg as V. P.
 Maronda Homes Inc. of Florida
 (Name of party on behalf of whom instrument was executed).
 Personally Known OR Produced Identification Type

Notary Signature: Robert Allen
 Notary Stamp or Seal: Notary Public State of Florida
 My Commission DD833863
 Expires 10/26/2012
 Signature of Notary (person signing in line #10 above): Steven R. Hogg

1. 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.

Columbia County Building Department

Culvert Permit No. 000001912

DATE 10/24/2011 PARCEL ID # 10-4S-16-02856-136

APPLICANT KENNETH WAYNE CAMPBELL JR PHONE 904-296-1490

ADDRESS 6800 SOUTHPOINT PRKWY #300 JACKSONVILLE FL 32216

OWNER MARONDA HOMES INC OF FLORIDA PHONE 904-296-1490

ADDRESS 438 SW MULBERRY DR LAKE CITY FL 32024

CONTRACTOR KENNETH WAYNE CAMPBELL JR PHONE 904-296-1490

LOCATION OF PROPERTY 90 WEST, L 247, R 252-B, L TIMBER RIDGE, L SW MULBERRY,

AT THE END ON THE RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT TIMBERLANDS 36

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



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
438 SW Mulberry Dr Lake City FL 32024
Location
02/02/04 - 2 of 2
Website: www.flcpermits.org
Permit # (FOR STAFF USE ONLY)
Effective April 1, 2004

Print Name
KENNETH WAYNE CAMPBELL JR
Date
2/27/4



Handwritten signature: S. J. ...

Maranda Homes Inc.
6600 Southpoint Pkwy
Suite 300
Jacksonville, FL 32216
(904) 290-1480 ph
(904) 332-0367 fax

2. Horizontal Slider	MI Windows & Doors	Series 188	62"x 73" XO Max. Windows have not been evaluated for use in High Velocity Hurricane Zones	FL 12586	+50 / -50"
3. Casement					
4. Double Hung					
5. Fixed	MI Windows & Doors	Series 740 / 3740	73"x71" Max. windows have not been evaluated for use in High Velocity Hurricane Zones	FL 11825	+45 / -45
6. Awning					
7. Pass-through					
8. Projected					
9. Mullion	MI Windows & Doors	Mullion 5650, 5764, 5766, 5767	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 11950	70 PSF
10. Wind Breaker					
11. Dual Action					
12. Other					
C. PANEL WALL					
1. Siding	James Hardie Building Products, Inc.	HardiePlank Lap Siding HardieShingle Siding (Cem plank Fiber-cement Siding)	Approved for use in HVHZ and outside HVHZ, Impact resistant	FL 13236 FL 13192	N/A N/A
2. Soffit	AlSCO Metal Corp	Quad 4 Aluminum Soffit System	For use as Soffit only. Not for use in HVHZ	FL 4459-R1	62.0 PSF
D. ROOFING PRODUCTS					
1. Asphalt Shingles	Owens Corning Certain-teed Corp	Asphalt Shingles Asphalt Shingles	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. Underlayments	Black Warrior Roofing	15# Felt Paper	For use under discontinuous roofing systems with slopes greater than 2:12, not to be used in HVHZ	FL 2077	N/A
3. Roofing Fasteners					
4. Nonstructural Metal Roof					
5. Build-up Roof					

29741

FIELD DENSITY WORKSHEET

CLIENT MARONDA DATE 11-15-11

PROJECT NAME Timberland Lot 36 PROJECT NO. _____

EARTH CONTRACTOR _____ PERMIT NO. _____

COMPACTION REQUIREMENT (%) 95 ☐ Standard Proctor TESTED BY S.L.

TOTAL ON-SITE TIME _____ ☒ Modified Proctor FIELD CONTACT _____

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						
	104.9	10.2	F/G	12"				
Center of East Footing					6.0	108.8	102.6	97.8
Center of North Footing					6.3	109.6	103.1	98.3
SW Corner of Footing					5.8	108.3	102.4	97.6

REMARKS _____

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

Maronda Homes Inc.
6800 Southpoint Pkwy
Suite 300
Jacksonville, FL 32216
(904) 296-1490 ph
(904) 332-6367 fax

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787
PHONE: (386) 758-1125 • FAX: (386) 758-1365 • Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE REQUESTED: 9/23/2011 DATE ISSUED: 9/27/2011

ENHANCED 9-1-1 ADDRESS:

438 SW MULBERRY DR
LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

10-4S-16-02856-136

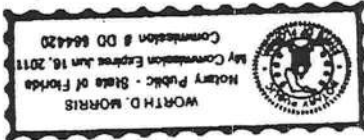
Remarks:

ADDRESS FOR PROPOSED NEW STRUCTURE ON PARCEL.

Address Issued By: 

Columbia County 9-1-1 Addressing / GIS Department

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.



Printed Name: WORTH D. MORRIS
Notary Public
Serial Number

My Commission Expires:

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.

STATE OF FLORIDA
COUNTY OF DUVAL

Witness Signature: [Signature] Printed Name: WORTH D. MORRIS
Witness Signature: [Signature] Printed Name: WORTH D. MORRIS
BY: [Signature] ROBERT R. LARDIZABAL, PRESIDENT
Secretary
RML HOLDINGS INC.

ATTEST:

Signed, sealed and delivered in our presence:

TOGETHER with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.
To have and to hold, the same in fee simple forever.
And the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2007, reservations, restrictions and easements of record, if any.
In Witness Whereof, the Grantor has caused these presents to be executed in its name, and its corporate seal to be hereunto annexed by its proper officers thereunto duly authorized, the day and year first above written.

WITNESSETH: That said grantor, for and in consideration of the sum of ~~540,000~~ \$899,000.00 releases, conveys and confirms unto the grantee, all that certain land situated 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 I, ACCORDING TO PLAT THEREOF AS RECORDED IN PLAT BOOK 9, PAGE 26 AND 27 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

hereinafter called the grantee.
address is: 11200 ST. JOHNS INDUSTRIAL PARKWAY, JACKSONVILLE, FLORIDA 32246.
TO MARONDA HOMES, INC. OF FLORIDA, A FLORIDA CORPORATION, whose post office
CITY, Florida 32055, hereinafter called the grantor.

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

WARRANTY DEED (CORPORATION)

In 2008: 2010/175 Date 6/6/2008 Time: 05 PM
Doc Stamp-Deed 6253.00
X DC P DeWitt Cason, Columbia County Page 1 of 1 B: 1151 P: 2385

File No: JX0812085
Grantor(s) L.D. # (s):
R02856-000
Property Appraisers Parcel L.D. (Folio) Number(s):

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

This Instrument Prepared by and Return in:

COPY

Maronda Homes Inc.
6800 Southpoint Pkwy
Suite 300
Jacksonville, FL 32216
(904) 296-1490 ph
(904) 332-6367 fax

Columbia County Building Permit Application

For Office Use Only	Application #	1109-36	Date Received	9/29	By	JW	Permit #	1912/29741
Zoning Official	Date	6 Oct 2011	Flood Zone	X	Land Use	RES-De Zoning	RSF-2	
FEMA Map #	Elevation	N/A	MFE	97.8%	Plans Examiner	J.C.	Date	10-5-11
Comments	Elevation Construction Letter Requested							
NOCC	Deed or PA	Site Plan	State Road Info	Well letter	911 Sheet	Parent Parcel #		
Dev Permit #								
IMPACT FEES: EMS	Fire	Corr						
School	= TOTAL (Suspended)							
Road/Code	App Fee Paid							

Septic Permit No. 11-0398
 Peter L. Chun
 Name Authorized Person Signing Permit
 Kenneth Wayne Campbell, Jr
 Phone 904 332-6375
 Address 6800 Southpoint Pkwy #300, Jacksonville, FL 32216
 Owners Name Maronda Homes, Inc. of Florida
 Phone 904 296-1490
 911 Address 438 SW Mulberry Dr
LAKE CITY FL 32024
 Kenneth Wayne Campbell, Jr
 Phone 904 296-1490
 Contractors Name
 Kenneth Wayne Campbell, Jr
 Phone 904 296-1490
 Address 6800 Southpoint Pkwy #300 Jacksonville, FL 32216
 Fee Simple Owner Name & Address Maronda Homes, Inc of Florida 6800 Southpoint Pkwy #300, Jax FL 32216
 Bonding Co. Name & Address N/A
 Architect/Engineer Name & Address Thomas Ponce 4005 Maronda Way, Sanford FL 32771
 Mortgage Lenders Name & Address Bank of America, 250 Park Ave S. #400, Winter Park FL, 32789
 Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progress Energy

Property ID Number 10-45-16-02856-136
 Estimated Cost of Construction \$116,000
 Subdivision Name Timberlands
 Block 36 Unit Phase
 Driving Directions HWY 90, Left on 247 South: Right on 252B: Left on Timber Ridge
 Turn Left on SW Mulberry at end on @
 Number of Existing Dwellings on Property 0
 Construction of Residential Single Family
 Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive R Total Building Height 27'-5 7/8"
 Actual Distance of Structure from Property Lines - Front 50'-0" Side 48'-0" Side 48'-0" Rear 62'-0"
 Number of Stories 2 Heated Floor Area 3377 Total Floor Area 3946 Roof Pitch 7.5/12

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. CODE: Florida Building Code 2007 with 2009 Supplements and the 2008 National Electrical Code.
 Page 1 of 2 (Both Pages must be submitted together.) Revised 1-11

sent email of needed info 10/6/11
 out of 1146728
 10/6/11

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.

TIME LIMITATIONS OF PERMITS: 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 work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

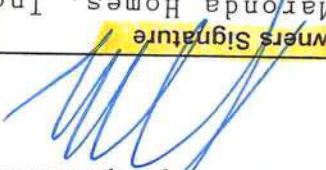
FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment: According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor 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.

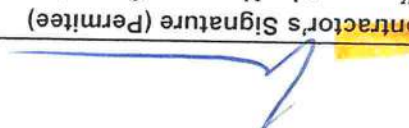
NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE: YOU ARE HEREBY NOTIFIED as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage 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 CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING. **NOTICE TO OWNER:** There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. You must verify if your property is encumbered by any restrictions or face possible litigation and or fines.

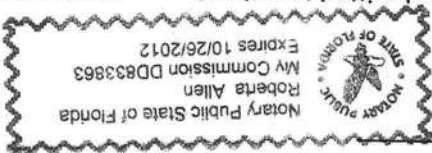
(Owners Must Sign All Applications Before Permit Issuance.)

Owners Signature 
Maronda Homes, Inc. of Florida, Steven R. 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 including all application and permit time limitations.

Contractor's Signature (Permittee) 
Kenneth Wayne Campbell, Jr.
Columbia County
Competency Card Number 1217
Contractor's License Number CBC 058803

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 21st day of September 2011.
Personally known Robert Allen or Produced Identification

State of Florida Notary Signature (For the Contractor)
SEAL:



Maronda Homes

14071 321-0064 4005 MARONDA WAY SAMPSON, FLORIDA

COPYRIGHT © 2007 MARONDA HOMES

GARAGE: RIGHT

DASHWOOD "M" - FL

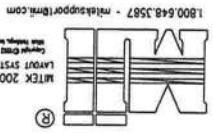
DESIGNER: PARISI

DRAWN BY: SARVER

CHECKER: MIKE

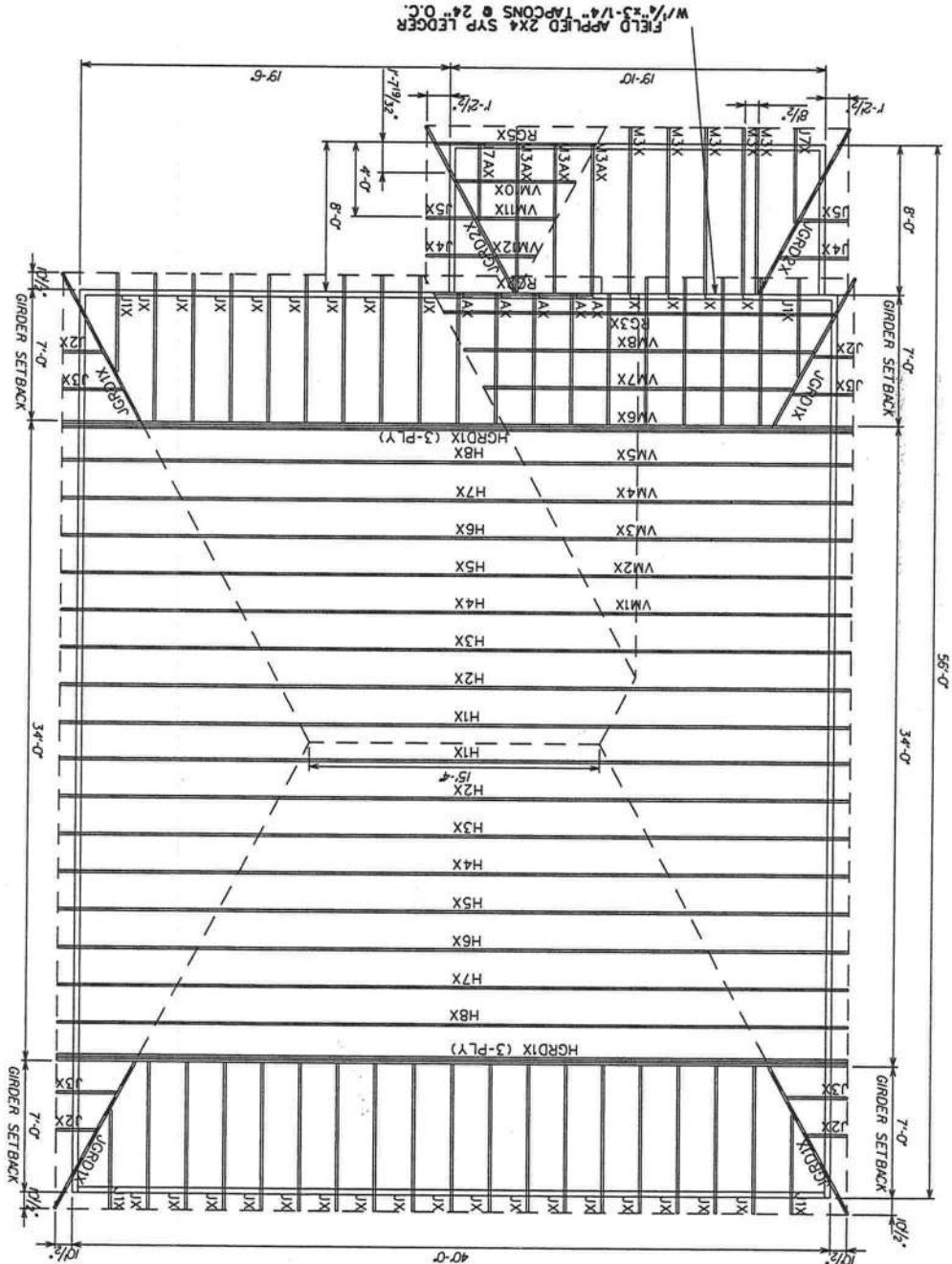
SCALE: 1/8" = 1'-0"
20 APR 2010

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



HARDWARE MANUFACTURED BY USP
HARDWARE MANUFACTURED BY SIMPSON
HARDWARE MANUFACTURED BY CLEVELAND

SEP 14 2011



- 1 HUS26
- 2 HUS28
- 3 JUS26
- 4 MP6F
- 5 MPAT & MPATF
- 6 SKH26 L/R
- 7 SKH26 L/R
- 8 SUS26
- 9 SUS28
- 10 THD26
- 11 THD28
- 12 THD28-2
- 13 THD28-3
- 14 THD48
- 15 THJ26**
- 16 LTW12
- 17 HD28IF
- 18 THD26-2

HARDWARE
LEGEND

SEP 14 2011

[Handwritten signature]

PERMIT

FT2

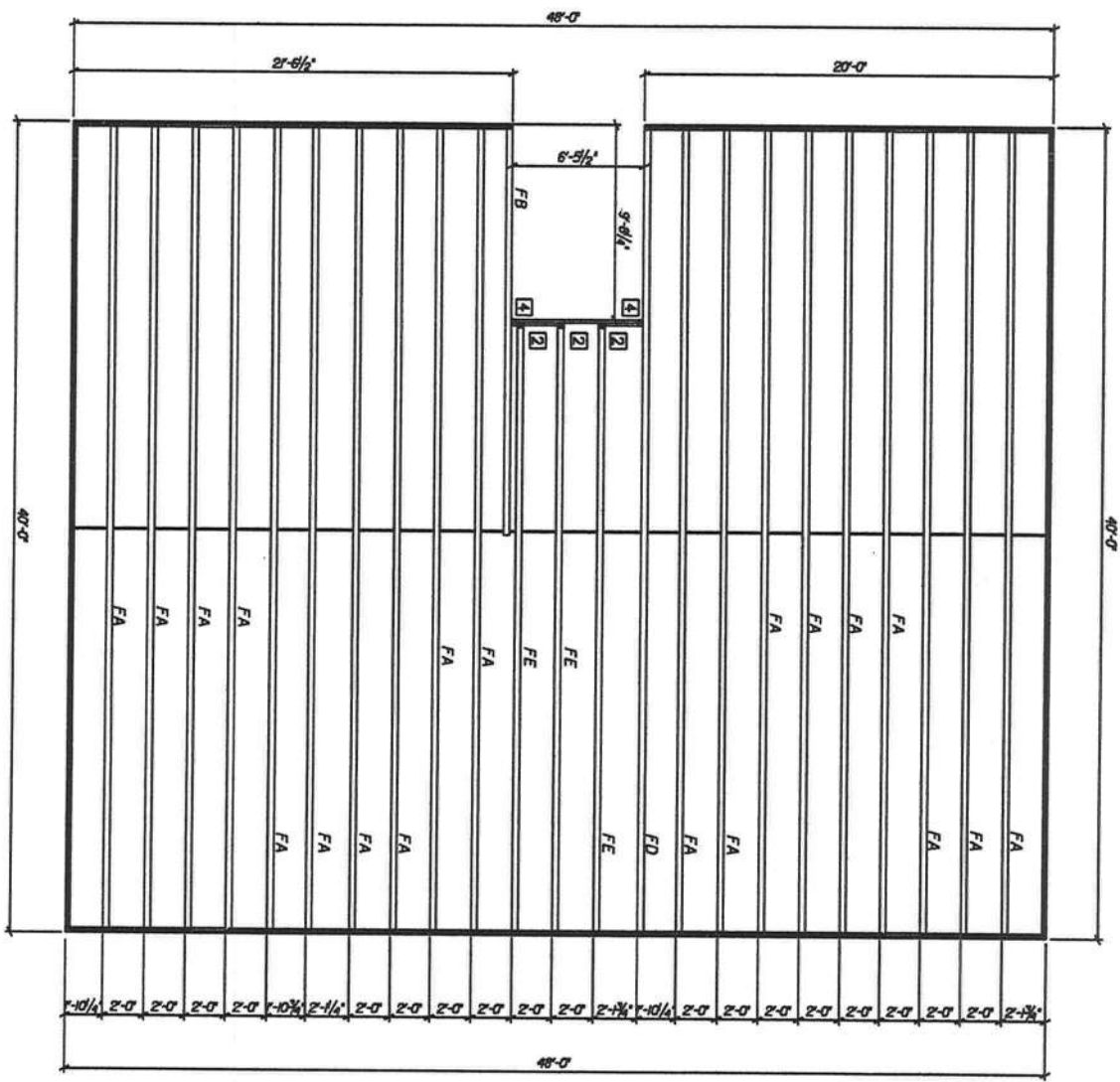
HARDWARE
LEGEND

HARDWARE MANUFACTURED
BY USP

- 1 THD28-2
- 2 THD48
- 3 THD48-IF
- 4 THD179

DASHWOOD - FL

GARAGE : RIGHT

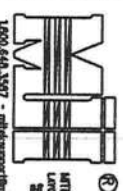


DESIGNER: J. Pitcock
CHECKER: K. Cooper

LOADING-FRC2007/TP12002

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

SCALE: 1/8" = 1'-0"
DATE: 01/05/09



1600-648-3587 - mitek@itek.com

GENERAL NOTES

Trusses are not marked in any way to identify the frequency or location of temporary lateral restraint and diagonal bracing. Follow the recommendations for handling, installing and temporary restraining for bracing of trusses. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restoring & 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*** 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.

ADVERTENCIA! El resultado de un manejo incorrecto puede ser la caída de la estructura o aún peor, heridas o muertes.

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

PRECAUCIÓN: Chapas de metal tienen bordes afilados. Lleve guantes y lentes protectores cuando corte las ataduras.

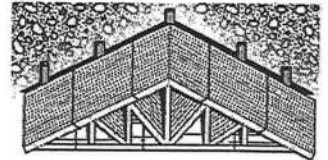
HANDLING - MANEJO

NOTICE Avoid lateral bending. Evite la flexión lateral.



NOTICE The contractor is responsible for properly receiving, unloading and storing the trusses at the jobsite. Unload trusses to smooth surfaces to prevent damage.

El contratista tiene la responsabilidad de recibir, descargar y almacenar adecuadamente los trusses en la obra. Descargue los trusses en la tierra lisa para prevenir el daño.



Trusses may be unloaded directly on the ground at the time of delivery or stored temporarily in contact with the ground after delivery. If trusses are to be stored horizontally for more than one week, place blocking of sufficient height beneath the stack of trusses at 8' (2.4 m) to 10' (3 m) on-center (o.c.).

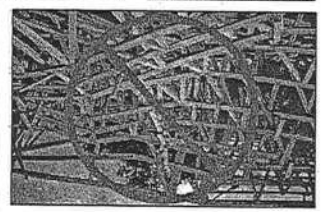
Los trusses pueden ser descargados directamente en el suelo en aquel momento de entrega o almacenados temporalmente en contacto con el suelo después de entrega. Si los trusses están guardados horizontalmente para más de una semana, ponga bloqueos de altura suficiente detrás de la pila de los trusses a 8 hasta 10 pies en centro (o.c.).

For trusses stored for more than one week, cover bundles to protect from the environment. Para trusses guardados por más de una semana, cubra los paquetes para protegerlos del ambiente.

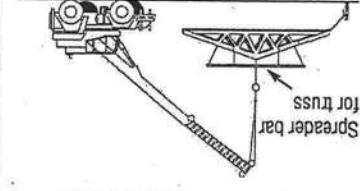
Refer to BCSI*** for more detailed information pertaining to handling and jobsite storage of trusses. Vea el folleto BCSI*** para información más detallada sobre el manejo y almacenamiento de los trusses en área de trabajo.

NOTAS GENERALES

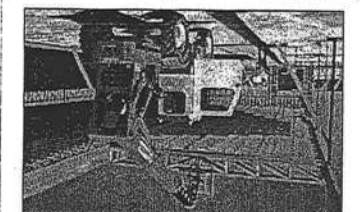
Los trusses no están marcados de ningún modo que identifique la frecuencia o localización de restricción lateral y amortizadores diagonales temporales. Use las recomendaciones y amortizadores diagonales temporales. Vea el folleto BCSI-B3*** para más información. El resto de los diseños de amortizadores permanentes son la responsabilidad del diseñador del edificio.



PRECAUCIÓN: Use special care in windy weather or near power lines and airports. Use equipo apropiado para levantar e improvisar.



DO NOT store unbraced bundles upright. **NO almacene** trusses sueltas verticales.



DO NOT store on uneven ground. **NO almacene** en tierra desigual.



HOISTING RECOMMENDATIONS FOR TRUSS BUNDLES

DO NOT overlead the crane. **NO sobrecargue** la grúa.

NEVER use banding to lift a bundle. **NUNCA** use las ataduras para levantar un paquete.

At single lift point may be used for bundles with trusses up to 45' (13.7 m).

Two lift points may be used for bundles with trusses up to 60' (18.3 m).

Use at least 3 lift points for bundles with trusses greater than 60' (18.3 m).

Puede usar un solo lugar de levantar para paquetes de trusses hasta 45 pies.

Puede usar dos puntos de levantar para paquetes más de 45 pies.

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

HOISTING RECOMMENDATIONS OF SINGLE TRUSSES BY HAND

RECOMENDACIONES DE LEVANTAMIENTO DE TRUSSES INDIVIDUALES POR LA MANO

Trusses 20' (6.1 m) or less, support at peak. **Trusses de 20' o menos, soporte en la punta.**

Trusses up to 20' (6.1 m) or less, support at quarter points. **Trusses de 20' o menos, soporte en los cuartos de tramo.**

Trusses up to 30' (9.1 m) or less, support at quarter points. **Trusses hasta 30' o menos, soporte en los cuartos de tramo.**

HOISTING RECOMMENDATIONS FOR SINGLE TRUSSES

RECOMENDACIONES PARA LEVANTAR TRUSSES INDIVIDUALES

Hold each truss in position with the erection equipment until top chord temporary lateral restraint is installed and the truss is fastened to the bearing points. **Sostenga cada truss en posición con equipo de grúa hasta que la restricción lateral temporal de cuerda superior esté instalada y el truss esté asegurado en los soportes.**

Using a single pick-point at the peak can damage the truss. **El uso de un solo lugar en el pico para levantar puede hacer daño al truss.**

NOTICE Using a single pick-point at the peak can damage the truss. **El uso de un solo lugar en el pico para levantar puede hacer daño al truss.**

NOTICE Refer to BCSI-B2*** for more information. **Vea el resumen BCSI-B2*** para más información.**

TEMPORARY RESTRAINT & BRACING

RESTRICCIÓN Y ARRIOSTRE TEMPORAL

TEMPORARY RESTRAINT & BRACING

RESTRICCIÓN Y ARRIOSTRE TEMPORAL

DO NOT walk on unbraced trusses. **NO camine en trusses sueltas.**

DO NOT walk on unbraced trusses. **NO camine en trusses sueltas.**

B11 Fall Protection & Trusses

Protección de Caída y Trusses

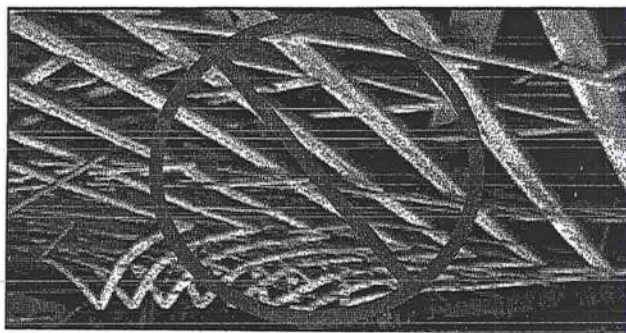
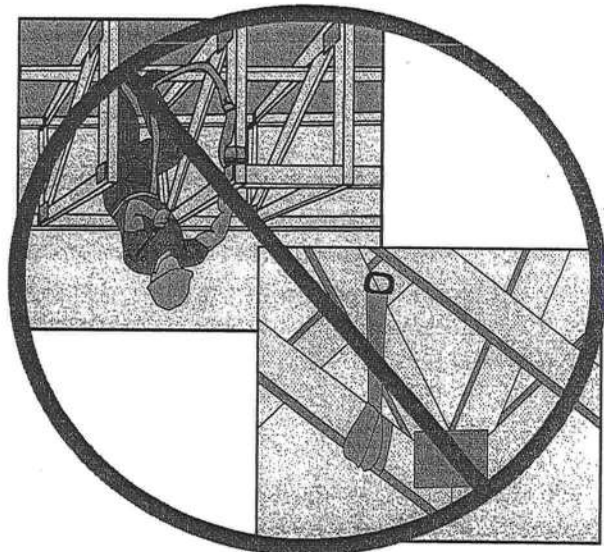
Regulations and information on fall protection and erection/installation of trusses in residential construction is contained in Standard 29 CFR 1926 Subpart M from the U.S. Department of Labor, Occupational Safety and Health Administration (OSHA). Section 1926.501(b)(13) of the OSHA Construction Standard states in part: "Each employee engaged in residential construction activities 6 feet or more above lower levels shall be protected by guardrail systems, scaffolding, a safety net system or a personal fall arrest system."

Las regulaciones e información sobre protección para caídas y levantamiento/instalación de entramados en construcción residencial vienen contenidos en Standard 29 CFR 1926 Subparte M del Departamento de Empleo (U.S. Department of Labor), Administración de Seguridad e Higiene Ocupacional (Occupational Safety and Health Administration, OSHA). La Sección 1926.501(b)(13) de OSHA Construction Standard establece en parte: "Cada empleado que participe en actividades de construcción residencial a 6 pies o más por encima de niveles inferiores deberá estar protegido por sistemas de rampas de protección, andamiaje, un sistema de red de seguridad o un sistema de protección personal para detención de caídas".

TRUSS SYSTEMS – SISTEMAS DE ENTRAMADO

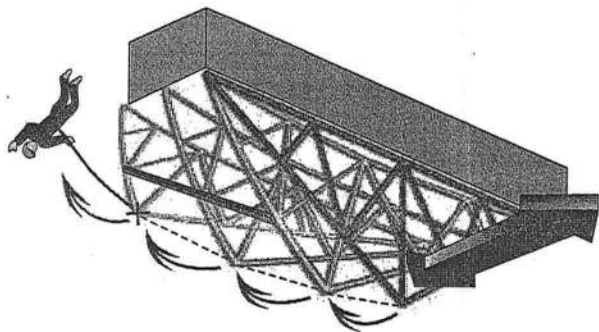
⚠ DANGER Inadequately braced and sheathed truss systems used as an anchorage point for any type of personal fall arrest system is dangerous and will increase the risk of serious injury or death.

!PELIGRO! Los sistemas de entramado apuntalados y forrados de forma inadecuada que se utilicen como punto de anclaje para cualquier tipo de sistema de protección personal para detención de caídas son peligrosos y aumentarán el riesgo de lesiones de gravedad o la muerte.

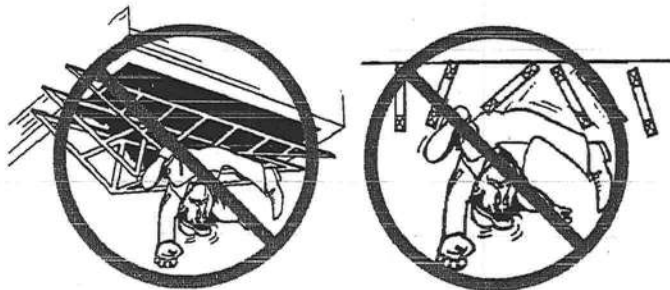


⚠ WARNING Trusses are not designed to resist lateral impact loads associated with falls. A falling worker attached to an inadequately braced and sheathed truss system could cause all the trusses in the system to collapse in a domino effect.

!ADVERTENCIA! Los entramados no están diseñados para resistir las cargas de impacto lateral asociadas con las caídas. Un trabajador que se caiga que esté sujeto a un sistema de entramado apuntalado y forrado inadecuadamente podría provocar que todos los entramados en el sistema se colapsen con un efecto dominó.



☑ Refer to BCSI-B1*** and BCSI-B2*** for recommendations on proper temporary restraint/bracing of trusses. Consulte las recomendaciones que vienen en BCSI-B1*** y BCSI-B2*** sobre restricción/apuntalamiento apropiado de entramados.



⚠ DANGER Do not walk on unbraced trusses.

!PELIGRO! No camine sobre entramados no apuntalados.

EVALUACIÓN DE PELIGROS DE TRABAJOS EN SITUACIONES ESPECÍFICAS

La protección contra caídas y las medidas de seguridad son específicas para cada sitio de trabajo o edificio. El método apropiado para la protección contra caídas deberá determinarse siguiendo una evaluación de peligros en el trabajo (JHA) específicos, re-afirmados por una persona que esté calificada (1) que pueda diseñar, instalar y utilizar sistemas de protección para caídas, y que esté autorizada para corregir cualquier problema. La JHA tiene el propósito de ayudar en la detección de riesgos e identificar la forma menos peligrosa para instalar entramados para un trabajo en particular.

Los peligros sobre protección de caídas identificados en la JHA serán tratados con métodos convencionales cuando sea posible como, por ejemplo: rampas de protección, andamiaje, redes de seguridad, sistema de protección personal para detención de caídas o plataformas de agarre.

Los empleados deberán considerar si es seguro diseñar e instalar una plataforma/sistema de trabajo seguro alrededor de un peligro. **WARNING** All fall protection solutions come with their own inherent hazards during use.

ADVERTENCIA! Todas las soluciones de protección contra caídas vienen con sus propios peligros durante el uso.

CAUTION Addressing fall protection hazards may be obvious, but other hazards must also be considered when choosing the appropriate site-specific fall protection systems. This includes tripping hazards from:

1. electrical cords;
2. pneumatic nail gun lines;
3. lumber used for wall and truss bracing; and,
4. truss storage approaches.

CAUTION! La solución de peligros para la protección contra caídas puede ser obvia, pero deberán considerarse otros peligros al elegir los sistemas de protección contra caídas apropiados para un sitio específico. Esto incluye peligro de tropiezos a causa de:

1. cables eléctricos;
2. líneas de pistola engrapadora neumática;
3. madera utilizada para apuntalamiento de paredes y entramados; y
4. disposiciones de almacenamiento en entramados.

FALL PROTECTION EQUIPMENT INSTALLATION – CONTRA CAÍDAS

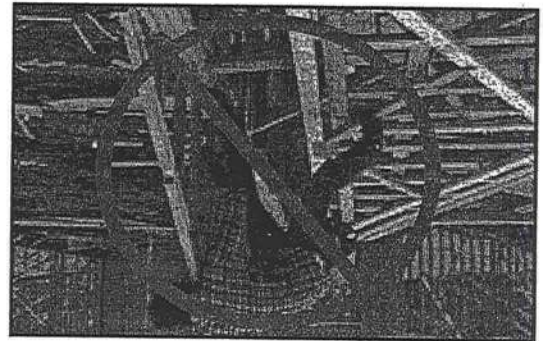
⚠ DANGER Trusses alone are NOT designed to SUPPORT fall protection equipment.

¡PELIGRO! Los entramados por sí solos NO están diseñados para SOSTENER el equipo de protección contra caídas.

Fall protection hazards identified in the JHA shall be addressed with conventional methods whenever possible, including: guardrails, scafolding, safety nets, personal fall arrest systems or catch platforms. Employers must consider whether it is safer to design and install a safe work platform/system around a hazard.

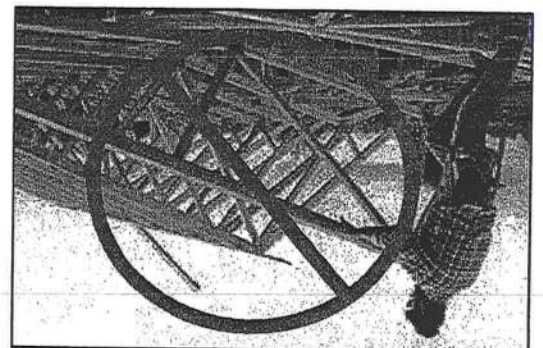
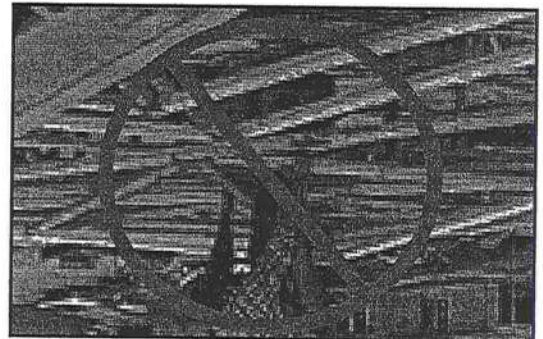
The appropriate fall protection method must be determined through a site-specific job hazard assessment (JHA) conducted by a qualified person (1) who can design, install, and use fall protection systems and is authorized to correct any problems. The JHA is intended to assist in identifying risks and identify the least hazardous way to install trusses for a particular job.

SITE-SPECIFIC JOB HAZARD ASSESSMENT



¡PELIGRO! No camine sobre entramados ni estructuras de muro pínch dispuestos horizontalmente.

⚠ DANGER Do not walk on trusses or gable end frames lying flat.



☑ Refer to ANSI/ASSE Z359.2-2007, Minimum Requirements for a Comprehensive Managed Fall Protection Program, for guidance in meeting minimum fall protection equipment installation and use requirements. This standard refers to equipment only, and does not apply to the underlying structure to which the equipment is attached (2).

Consulte ANSI/ASSE Z359.2-2007, Minimum Requirements for a Comprehensive Managed Fall Protection Program (Regulaciones mínimas para un programa completo de protección contra caídas) si desea información para el cumplimiento de los requisitos mínimos para la instalación y uso de equipo de protección contra caídas. Esta norma se refiere a equipo solamente, y no es aplicable a la estructura subyacente a la que esté acoplado el equipo. (2)

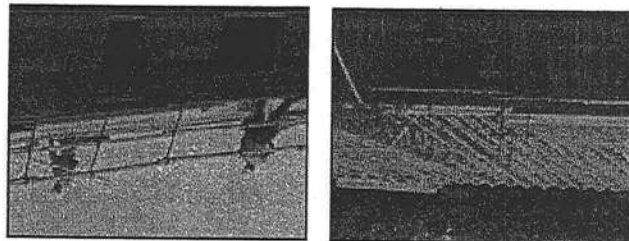
CAUTION While the equipment itself may resist the required fall forces, it is up to a qualified design professional to determine whether the structural system the fall protection equipment is attached to meets or exceeds this standard as well.

ADVERTENCIA Aunque el equipo en sí pueda resistir las fuerzas de caída requeridas, será responsabilidad de un profesional de diseño calificado determinar si el sistema estructural del equipo de protección contra caídas al que esté acoplado cumple o supera esta norma también.

Scaffolding – Andamaje

Use of interior or exterior scaffolding as a fall arrest system is permitted, but installation and use must adhere to OSHA's requirements in 29 CFR 1926.500.

El uso de andamiaje interior o exterior como sistema para detención de caídas está permitido, pero la instalación y el uso deberá adherirse a los requisitos 29 CFR 1926.500 de OSHA.



Guard Rails – Rampas de protección

Use of guard rails along the perimeter of the work area as a fall arrest system is permitted, but installation and use must adhere to OSHA's requirements in 29 CFR 1926.500.

El uso de rampas de protección a lo largo del perímetro del área de trabajo como sistema para detención de caídas está permitido, pero la instalación y el uso deberá adherirse a los requisitos 29 CFR 1926.500 de OSHA.

WARNING Completely laterally restrain and diagonally brace per BCSI-B1*** and BCSI-B2*** before installing a roof anchor for use as personal fall restraint system. Installation and use must adhere to OSHA's requirements in 29 CFR 1926.500

ADVERTENCIA! Debe restringirse lateralmente por completo y apuntalar diagonalmente, según BCSI-B1*** y BCSI-B2*** antes de instalar un anclaje de tejado para uso como sistema personal de restricción de caídas. La instalación y el uso deberá adherirse a los requisitos 29 CFR 1926.500 de OSHA.

WARNING It is always safest to sheath a section of the truss roof system before installing a roof anchor for use as a personal fall restraint system. Installation and use must adhere to OSHA's requirements in 29 CFR 1926.500.

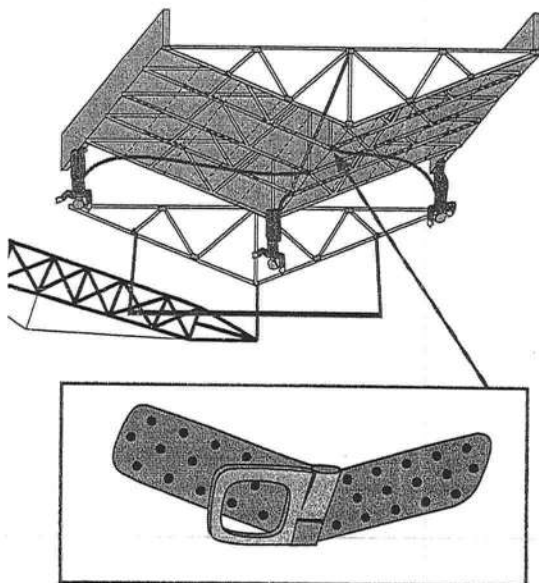
ADVERTENCIA! Lo más seguro es forrar siempre una sección del sistema de tejado de entramado antes de instalar un anclaje de tejado para uso como sistema personal de restricción de caídas. La instalación y el uso deberá adherirse a los requisitos 29 CFR 1926.500 de OSHA.

ALTERNATIVE FALL PROTECTION PLANS – PLANES ALTERNATIVOS DE PROTECCIÓN CONTRA CAÍDAS

After conducting a JHA, if the qualified person is able to demonstrate that conventional fall protection measures are infeasible (3) or present a greater hazard (4) to a particular worker or the entire crew, an employer may implement a written alternative fall protection plan in compliance with residential construction fall protection under 29 CFR 1926.501(b)(13).

Después de realizar una evaluación JHA, si el evaluador calificado es capaz de demostrar que las medidas convencionales de protección contra caídas son irrealizables (3) o presentan un mayor peligro (4) para un trabajador en particular o la cuadrilla entera, un empleador puede implementar un plan de protección contra caídas alternativo por escrito en cumplimiento con 29 CFR 1926.501(b)(13) para protección contra caídas en construcción residencial.

Root Peak Anchors – Anclajes de tejado



(2) Commentary E5.4.2.2 of ANSI/ASSE Z359.2-2007 states, "The impact of fall forces on beams, columns and their supports other than anchorages are not addressed by this standard."

(3) Under 29 CFR 1926.500(b), infeasible means "that it is impossible to perform the construction work using a conventional fall protection system (i.e., guardrail system, safety net system, or personal fall arrest system) or that it is technologically impossible to use any one of these systems to provide fall protection."

(4) Under 29 CFR 1926.501(b)(13) it states, "there is a presumption that it is feasible and will not create a greater hazard to implement at least one of the [listed] fall protection systems. Accordingly, the employer has the burden of establishing that it is appropriate to implement a fall protection plan which complies with 1926.502(k) for a particular workplace situation, in lieu of implementing any of those systems."

(5) Under 29 CFR 1926.503(a)(1) it states, "the employer program shall enable each employee to recognize the hazards of falling and shall train each employee in the procedures to be followed in order to minimize these hazards."

(6) Under 29 CFR 1926.500(b), conventional fall protection systems are: "guardrail system, safety net system, or personal fall arrest system."

DEFINICIONES

(1) Bajo 29 CFR 1926.503(a)(2), una persona calificada es aquella que debe tener conocimientos y aptitud para proporcionar capacitación a otros, en las áreas siguientes: "la naturaleza de los peligros de caída en el área de trabajo; los procedimientos correctos para levantar, mantener, desmontar e inspeccionar los sistemas de protección; sistemas personales para detención de caídas; sistemas de redes de seguridad; zonas de acceso controlado y otra protección a utilizarse; la función de cada empleado en el sistema de monitoreo de seguridad cuando se utiliza este sistema; las limitaciones sobre el uso de equipos mecánicos durante la realización de trabajo en tejados de baja pendiente; los procedimientos correctos para el manejo y almacenamiento de equipo y materiales; y la construcción de protección superior; y la función de los empleados en planes de protección contra caídas".

(2) El comentario E5.4.2.2 de ANSI/ASSE Z359.2-2007 establece, "El impacto de las fuerzas de caída sobre vigas, columnas y sus soportes que no sean anclajes no se tratan en esta norma".

(3) Bajo 29 CFR 1926.500(b), infeasible significa "que es imposible llevar a cabo el trabajo de construcción usando un sistema convencional de protección contra caídas (por ejemplo, sistemas de rampas de protección, sistema de red de seguridad o sistema de protección personal para detención de caídas), o que es tecnológicamente imposible usar cualquiera de estos sistemas para proporcionar protección contra caídas".

(4) Bajo 29 CFR 1926.501(b)(13) se establece, "hay una suposición de que es realizable y que no se creará un peligro mayor al implementar al menos uno de los sistemas de protección contra caídas [indicados]. Por consiguiente, el empleador tiene la responsabilidad de establecer que es apropiado implementar un plan de protección contra caídas que se adhiera a 1926.502(k) para una situación particular en el lugar de trabajo, en lugar de implementar cualquiera de esos sistemas".

(5) Bajo 29 CFR 1926.503(a)(1) se establece, "el programa del empleador permitirá a cada empleado poder reconocer los peligros de caídas y capacitará a cada empleado en los procedimientos a seguir para minimizar estos peligros".

(6) Bajo 29 CFR 1926.500(b), los sistemas convencionales de protección contra caídas son: "sistema de rampas de protección, sistema de red de seguridad o sistema de protección personal para detención de caídas".

***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.sbcindustry.com/b11.

This document summarizes the information provided in Section B11 of the 2011 Edition of Building Component Safety Information BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses. Copyright © 2004-2011 Structural Building Components Association 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 publishers. Printed in the United States of America.

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WIPF WOOD TRUSS COUNCIL

DEFINITIONS

(1) Under 29 CFR 1926.503(a)(2), a qualified person is one who should have knowledge, and be able to provide training to others, in the following areas: "the nature of fall hazards in the work area; the correct procedures for erecting, maintaining, disassembling, and inspecting the fall protection systems to be used; the use and operation of guardrail systems, personal fall arrest systems, safety net systems, warning line systems, safety monitoring systems, controlled access zones, and other protection to be used; the role of each employee in the safety monitoring system when this system is used; the limitations on the use of mechanical equipment during the performance of roofing work on low-sloped roofs; the correct procedures for the handling and storage of equipment and materials and the erection of overhead protection; and, the role of employees in fall protection plans."

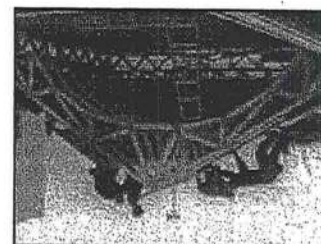
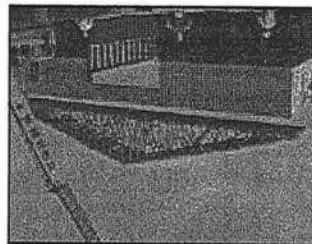
Realice el montaje previo de un sistema de entramado en el terreno. Restrinja lateralmente por completo y apunte diagonalmente la cuerda inferior y los planos de la pieza de enrejado. Y apunte diagonalmente y forre el plano de la cuerda superior, según BCSI-B1*** y BCSI-B2***, para conseguir la estabilidad adecuada. Alce y establezca en su lugar. Esta sección montada previamente podrá en-tonces utilizarse como un punto de anclaje de restricción personal.

Pre-assemble a truss system on the ground. Fully laterally restrain and diagonally brace the bottom chord and web member planes and diagonally brace and sheath the top chord plane, per BCSI-B1*** and BCSI-B2***, for adequate stability. Lift and set in place. This pre-assembled section may then be used as a personal fall restraint anchorage point.

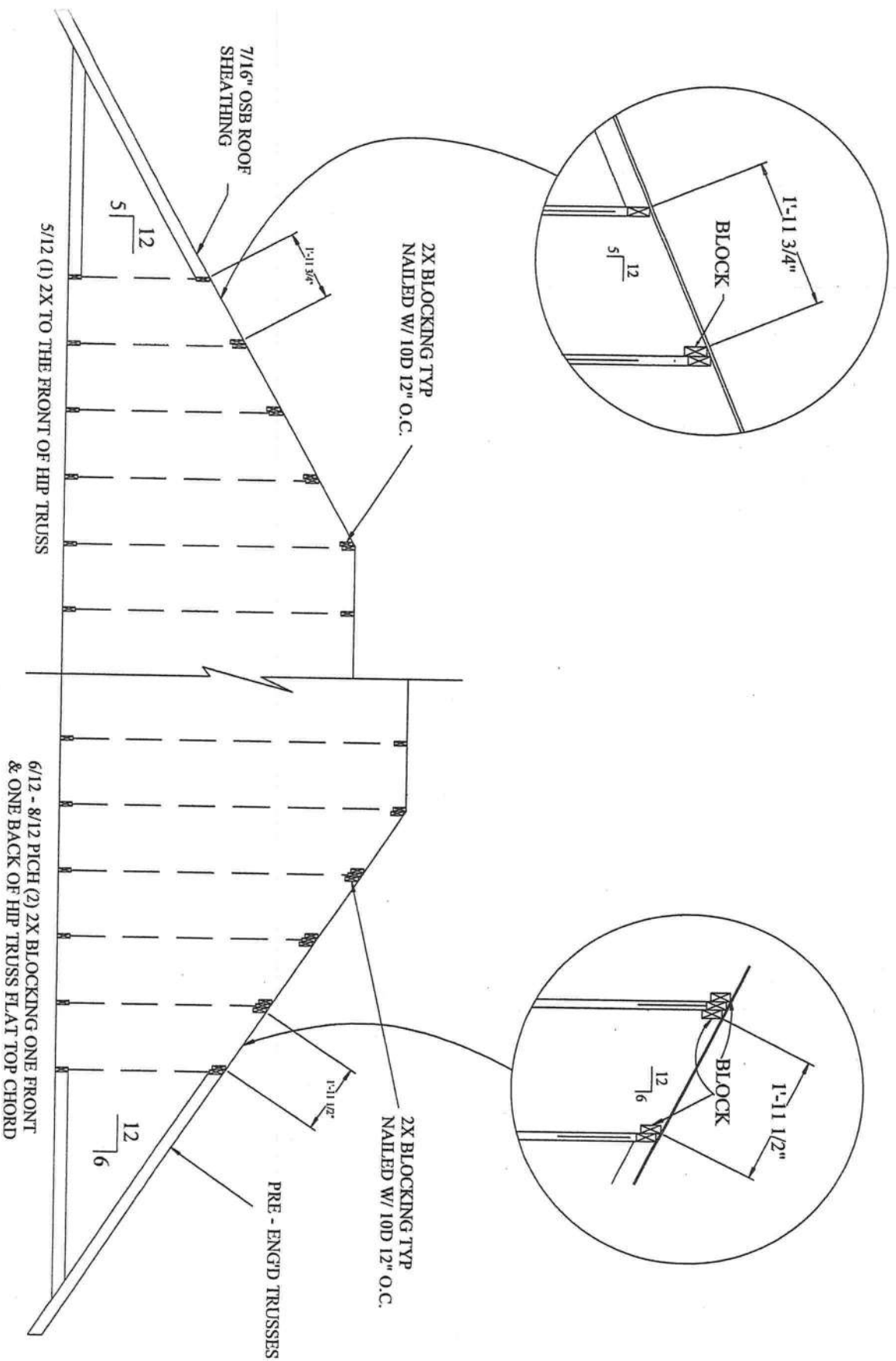
Ground Assembly – Montaje en el terreno

Las medidas alternativas del plan de protección contra caídas deberán aplicarse a trabajadores suficientemente capacitados y experimentados(5), y el plan deberá cumplir los requisitos de 29 CFR 1926.502(k) y ser específicas para cada sitio. El uso de medidas alternativas se utilizará en conjunción con sistemas de protección contra caídas (6), y el uso de métodos alternativos será lo más limitado posible.

The fall protection plan's alternative measures must apply to sufficiently trained and experienced workers (5), and the plan must meet the requirements of 29 CFR 1926.502(k) and be site-specific. The use of alternative measures shall be used in conjunction with conventional fall protection systems (6), and the use of alternative methods shall be as limited as possible.



HIP TRUSS BLOCKING REQUIREMENTS

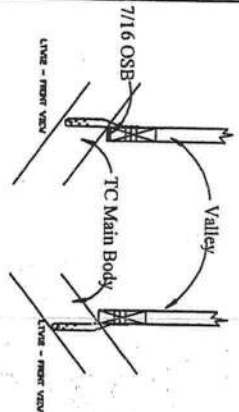


NOTE: NO BLOCKING IS REQUIRED ON 4/12 AND BELOW PITCHED ROOFS

SHEET: HBI	TRUSS DETAILS HIP TRUSS BLOCKING		Maronda Homes (407) 321-0064 4005 MARONDA WAY SANFORD, FLORIDA	REVISIONS:
	DRAWN BY:	GARAGE:		
	RELEASE DATE: 2/9/09			

NON-BEVELED
BOTTOM CHORD

NON-BEVELED
BOTTOM CHORD
NO-SHEATHING



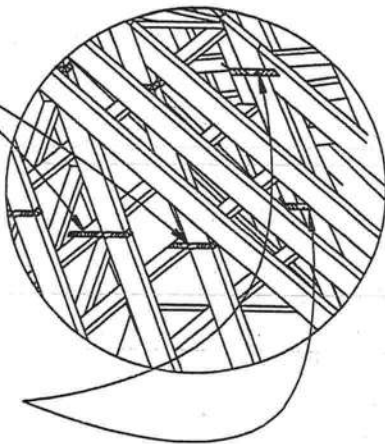
VALLEY CONNECTIONS

(ELEMENTS NOT SHOWN FOR CLARITY)

VALLEY KAT

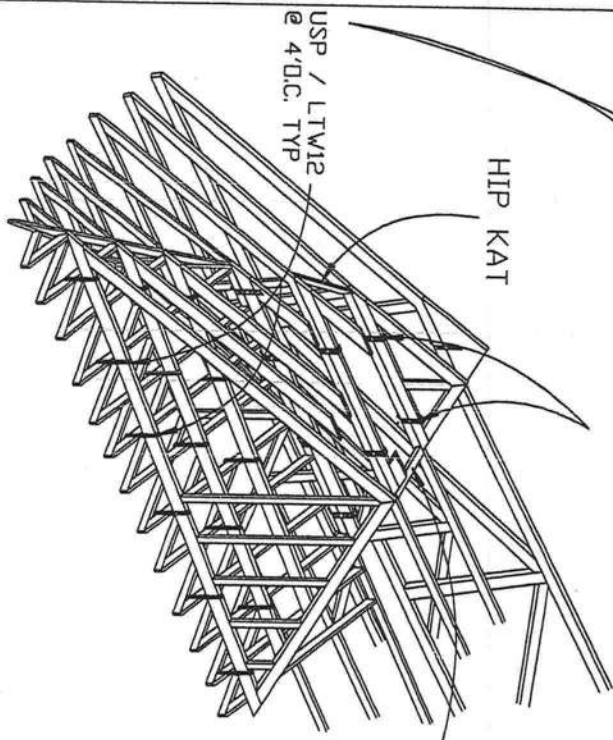
Notes: Valley trusses can be installed either a top main body roof trusses or a top 7/16 sheathing. Connections of strapping remain the same as illustrated. Valley kats are required when a top main body truss option is utilized.

See truss engineering and standard details for truss bracing requirements. Main body trusses 2"OC perpendicular to valley is considered to be continuous bearing. If sheathing exists under valleys, Sheathing is not required to be continuous See NON BEVELED BOTTOM CHORD Detail



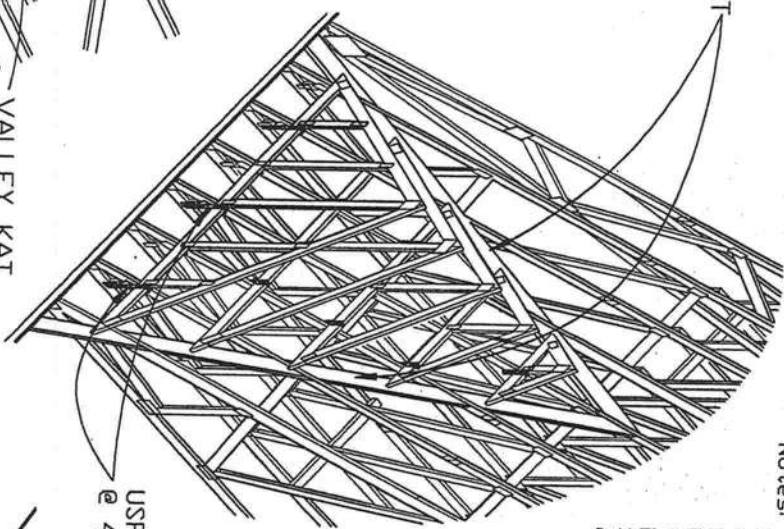
USP / MSTAL2
@ 4'D.C. TYP

HIP KAT



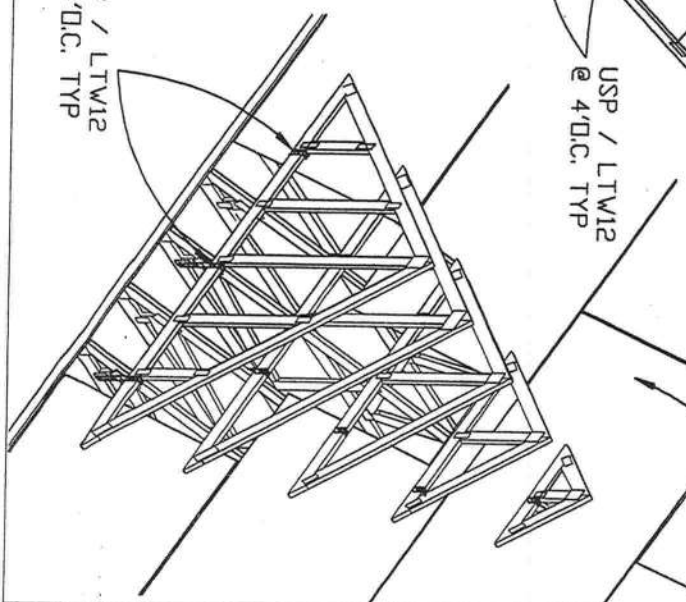
USP / LTM12
@ 4'D.C. TYP

VALLEY KAT



USP / LTM12
@ 4'D.C. TYP

7/16 Sheathing



USP / LTM12
@ 4'D.C. TYP

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

TRUSS DETAILS

VALLEY CONNECTIONS

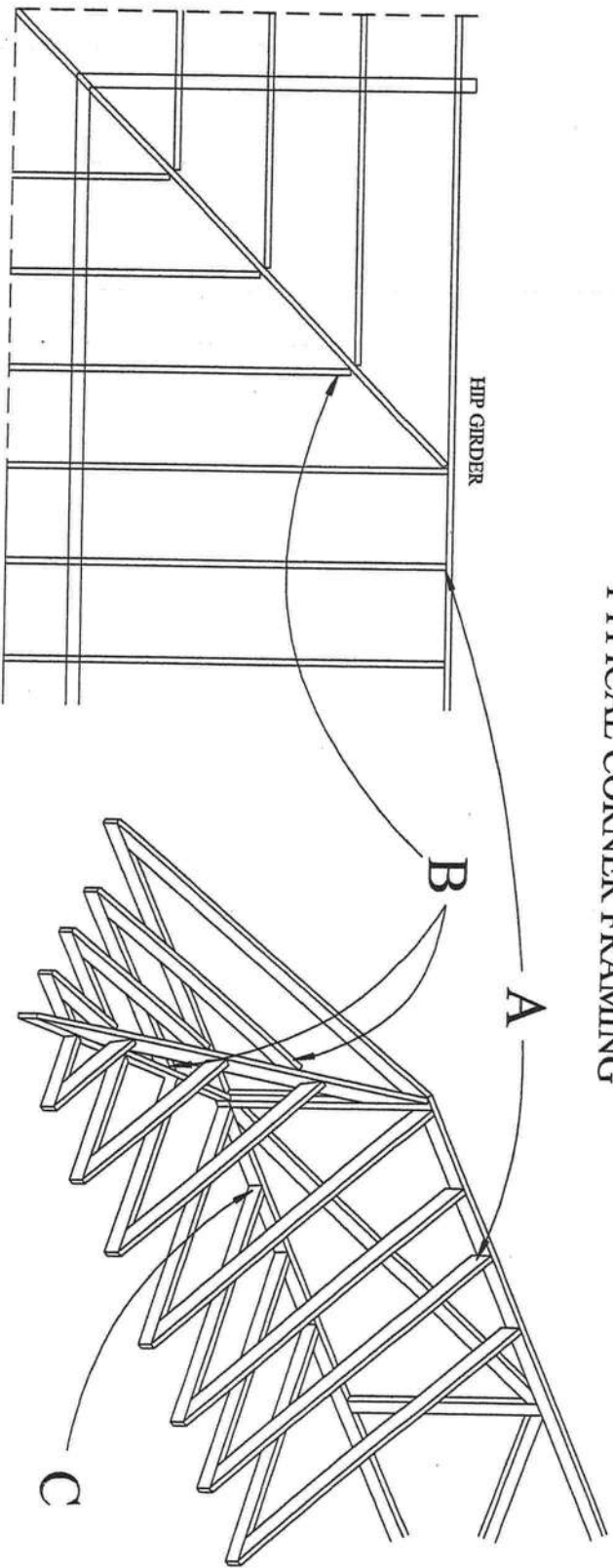
DRAWN BY: J.FESSIA
RELEASE DATE: 12/7/09

REVISIONS:

SHEET:
VCI

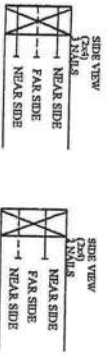
TOE-NAILED CONNECTIONS AT BEARING LOCATIONS

TYPICAL CORNER FRAMING

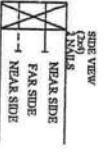


90 DEGREE ANGLE/SQUARE CUT

Connection at A



Connection at C



10d (0.131" x 3") nails

45 DEGREE ANGLE / SQUARE CUT

Connection at B



10d (0.131" x 3") nails

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-07, TP1402, ASCE 7-05
 Duration of load is 1.60
 L= NAIL LENGTH

TRUSS DETAILS

TOE-NAILED CONNECTIONS

DRAWN BY:

GARAGE:

RELEASE DATE: 2/9/09

Maronda Homes

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

REVISIONS:

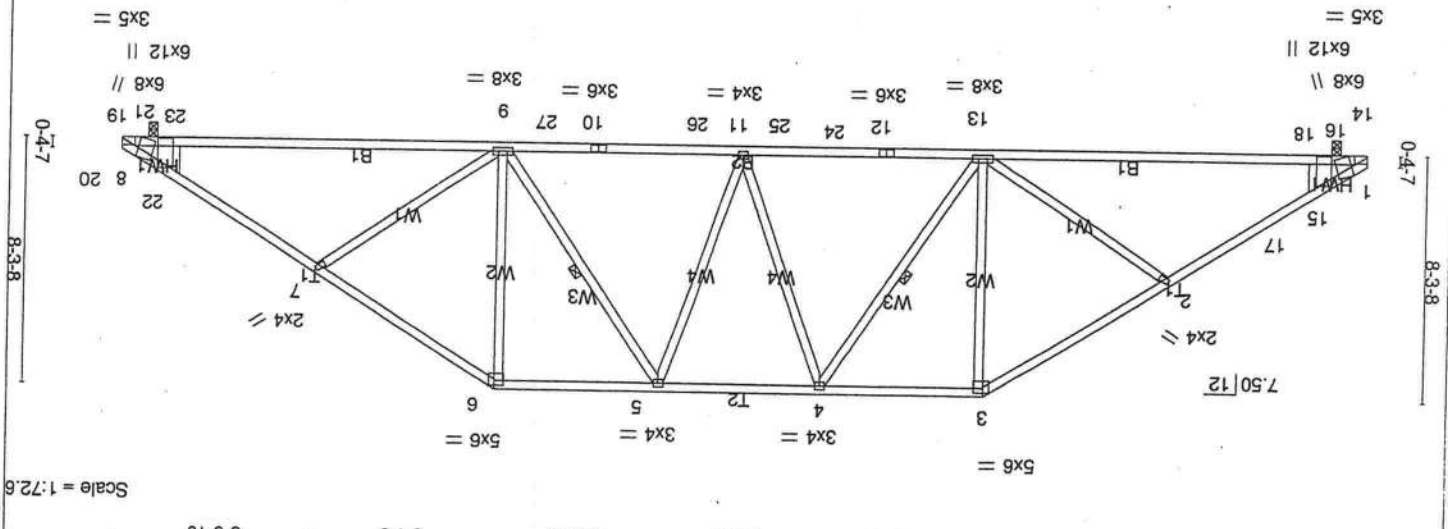
SHEET:

TN1

OT DATE:

Job	DASHWOOD	Truss Type	HIP	City	Ply	1	Job Reference (optional)	7:140 s Aug 17 2009 Milltek Industries, Inc. Tue Dec 15 09:55:47 2009 Page 1
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18-9-12	6-6-10	12-8-2	18-1-11	23-7-5	29-0-14	35-2-6	41-9-0	6-6-10	18-9-12
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LOADING (psf)	SPACING	CSI	TC	BC	WB	(Matrix-M)	DEFLECT	in (loc)	L/d	L/d	PLATES	GRIP	Weight: 242 lb
16.0	1.25	0.73	0.90	0.27	0.27		0.13	8	n/a	n/a	MT20	244/190	
TCL	Lumber Increase						Vert(TL)	-0.29	11-13	>993			
TCCL	Plates Increase						Horz(TL)	0.57	9-23	>886			
BCL	Rep Stress Incr												
BCDL	Code FRC2007/TP12002												

LUMBER	TOP CHORD 2 X 4 SYP No.2	BRACING	TOP CHORD	WEBS	1 Row at midpt	4-13, 5-9
TOP CHORD	2 X 4 SYP No.2	BRACING	TOP CHORD	WEBS	1 Row at midpt	4-13, 5-9
BOT CHORD	2 X 4 SYP No.2	BRACING	TOP CHORD	WEBS	1 Row at midpt	4-13, 5-9
WEBS	2 X 4 SYP No.2	BRACING	TOP CHORD	WEBS	1 Row at midpt	4-13, 5-9
WEDGE		BRACING	TOP CHORD	WEBS	1 Row at midpt	4-13, 5-9
Left: 2 X 12 SYP No.2, Right: 2 X 12 SYP No.2		BRACING	TOP CHORD	WEBS	1 Row at midpt	4-13, 5-9

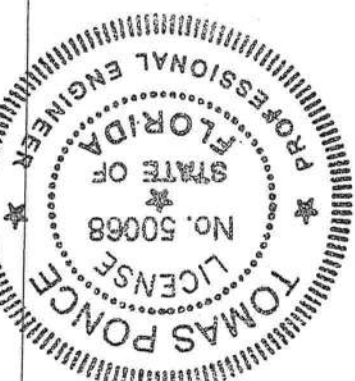
REACTIONS	(lb/size) 16=1537/0-3-8, 21=1537/0-3-8	Max Horiz 16=357/LC 4	Max Uplift 16=506/LC 5, 21=506/LC 4
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FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	15-17=-840/375, 2-3=-1986/1273, 2-3=-1986/1273, 3-4=-1660/1114, 4-5=-2006/1269, 5-6=-1660/1114, 6-7=-1986/1273, 7-22=-2166/1273, 20-22=-840/375, 11-25=-524/592, 13-18=-890/1750, 13-24=-815/1941, 12-24=-815/1941, 12-25=-815/1941, 9-23=-890/1750, 21-23=-354/592, 2-13=-160/304, 3-13=-272/715, 4-13=-592/459, 4-11=-76/255, 5-11=-76/255, 5-9=-592/459, 6-9=-272/715, 7-9=-161/304, 15-16=-802/393, 17-18=-228/406, 16-17=-1000/532, 15-18=-458/939, 20-21=-802/393, 22-23=-228/406, 21-22=-1000/532, 20-23=-458/939
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NOTES	(7) 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-05, 140mph (3-second gust); TCCL=4.2psf; BCDL=6.0psf; 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 506 lb uplift at joint 16 and 506 lb uplift at joint 21. 7) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R502.10.2 and referenced standard ANSI/TP1 1.
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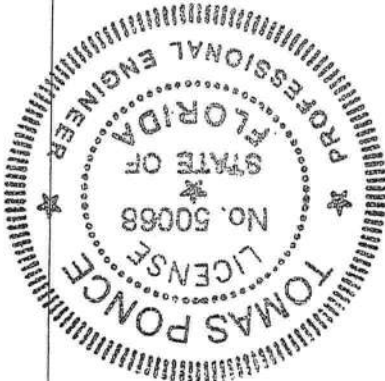
LOAD CASE(S)	Standard
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DEC 15 2009



Job	DASHWOOD	Truss	H2X	HIP	Truss Type	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	12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LOAD CASE(S) Standard

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-05: 140mph (3-second gust); TCDF=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) and DOL=1.60 plate gyp 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 581 lb uplift at joint 18 and 581 lb uplift at joint 23.
- 7) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

NOTES (7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 17-19=-718/314, 2-19=-2187/1272, 2-3=-2081/1224, 3-4=-2314/1463, 4-5=-2313/1463, 5-6=-2313/1463, 6-7=-1746/1148, 7-8=-2061/1225, 8-24=-2162/1273, 22-24=-819/401, 13-27=-1077/2359, 12-27=-1077/2359, 12-28=-1077/2359, 11-28=-1077/2359, 10-25=-898/1733, 23-25=-352/603, 3-15=-17301, 3-13=-547/839, 4-13=-317/379, 6-12=0/337, 6-10=-921/541, 7-10=-288/747, 17-18=-748/353, 19-20=-364/434, 18-19=-1012/552, 17-20=-452/914, 22-23=-791/413, 24-25=-285/360, 23-24=-993/541, 22-25=-463/929

WEBS

BOT CHORD

TOP CHORD

REACTIONS (lb/size)

Max Horiz 18=-297(LC 4)
 Max Uplift 18=-581(LC 5), 23=-581(LC 4)

Left: 2 X 10 SYP No.2, Right: 2 X 12 SYP No.2

WEDGE

WEBS

BOT CHORD

TOP CHORD

LUMBER

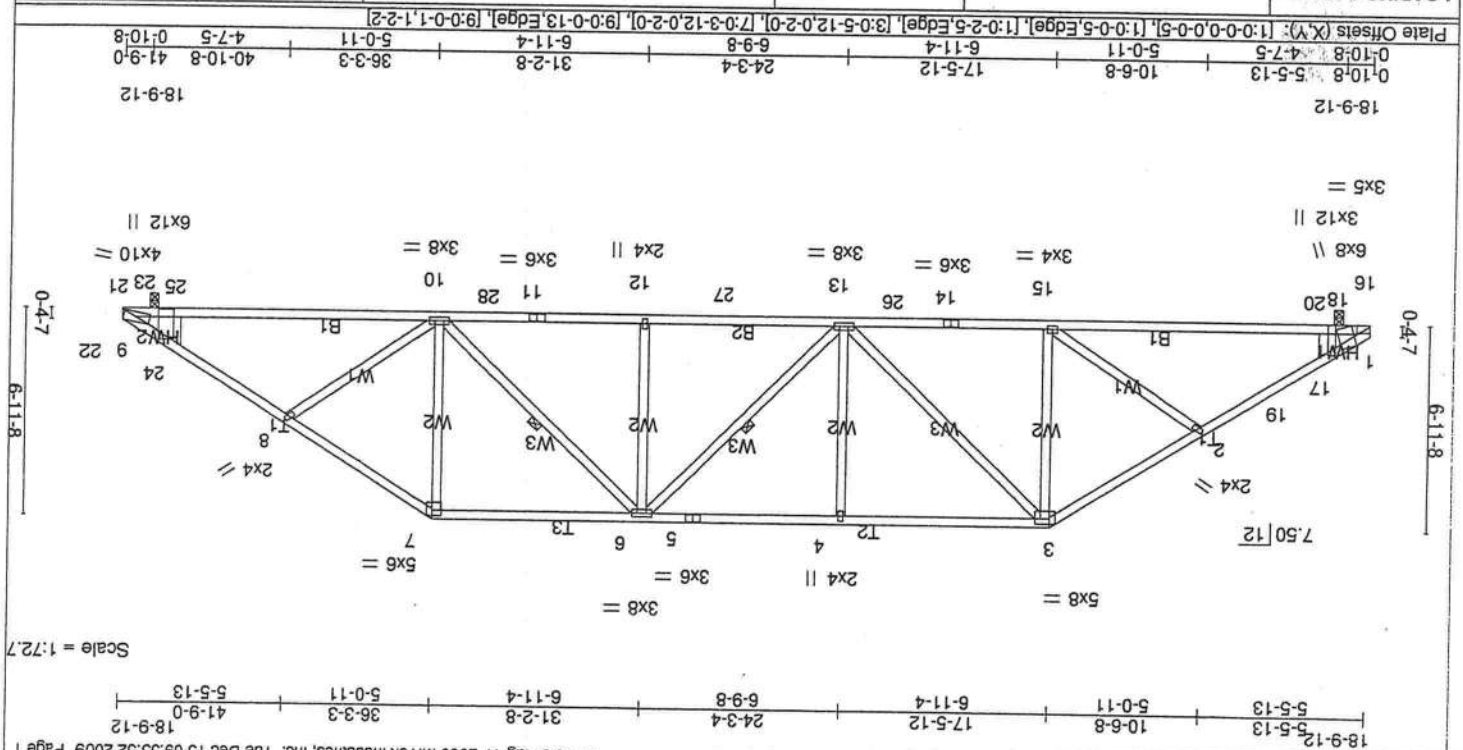
LOADING (psf)	BCDL 10.0
	BCLL 0.0
	TCDF 7.0
	TCCL 16.0
	Plates Increase 1.25
	Lumber Increase 1.25
	Rep Stress Incr YES
	Code FRC2007/TP12002

SPACING	2-0-0
CSI	TC 0.89
	BC 0.86
	WB 0.75
(Matix-M)	

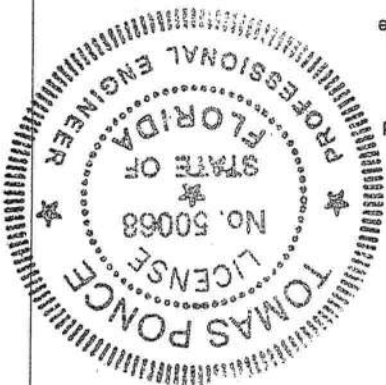
DEFLL	in (loc)	l/defl	L/d
Vert(TL)	0.26	13-15	>999
Horz(TL)	-0.43	13-15	>999
	0.13	9	n/a
			n/a

PLATES	MT20	Weight: 239 lb
GRIP	244/190	

BRACING
 TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 5-11-2 oc bracing.
 WEBS 1 Row at midpt 6-13, 6-10



Job	DASHWOOD	Truss	H3X	HIP	City	2	Job Reference (optional)	7.140 s Aug 17 2009 Mittek Industries, Inc. Tue Dec 15 09:55:52 2009 Page 1
						1		



NOTES (7)

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-05; 140mph (3-second gust); TCDFL=4.2psf; BCLDL=0.0psf; 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 616 lb uplift at joint 16 and 616 lb uplift at joint 21.

7) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

TOP CHOICES (10) - Max. Comp/Max. Ten. - All forces 250 (lb) or less except when shown.
15-17 = 744/260, 2-2 = 216/214, 20-22 = 175/183, 3-4 = 2525/1587, 4-5 = 2525/1587, 5-6 = 2525/1587, 6-22 = 2189/1241, 20-22 = 750/275
16-18 = 1510/583, 13-18 = 889/1736, 12-13 = 1240/2583, 12-22 = 1240/2583
11-24 = 1240/2583, 11-25 = 1240/2583, 10-22 = 1240/2583, 9-10 = 828/1762,
9-22 = 828/1762, 8-26 = 828/1762, 8-23 = 830/1757, 21-23 = 377/591
2-13 = 262/805, 3-13 = 1144/690, 3-11 = 1017/524, 3-10 = 378/450, 5-10 = 696/1056, 6-8 = 8-0/276,
15-16 = 262/808, 17-18 = 1240/2583, 10-13 = 1013/357, 15-18 = 404/898, 20-21 = 765/308,
22-23 = 295/525, 21-22 = 1023/527, 20-23 = 405/908

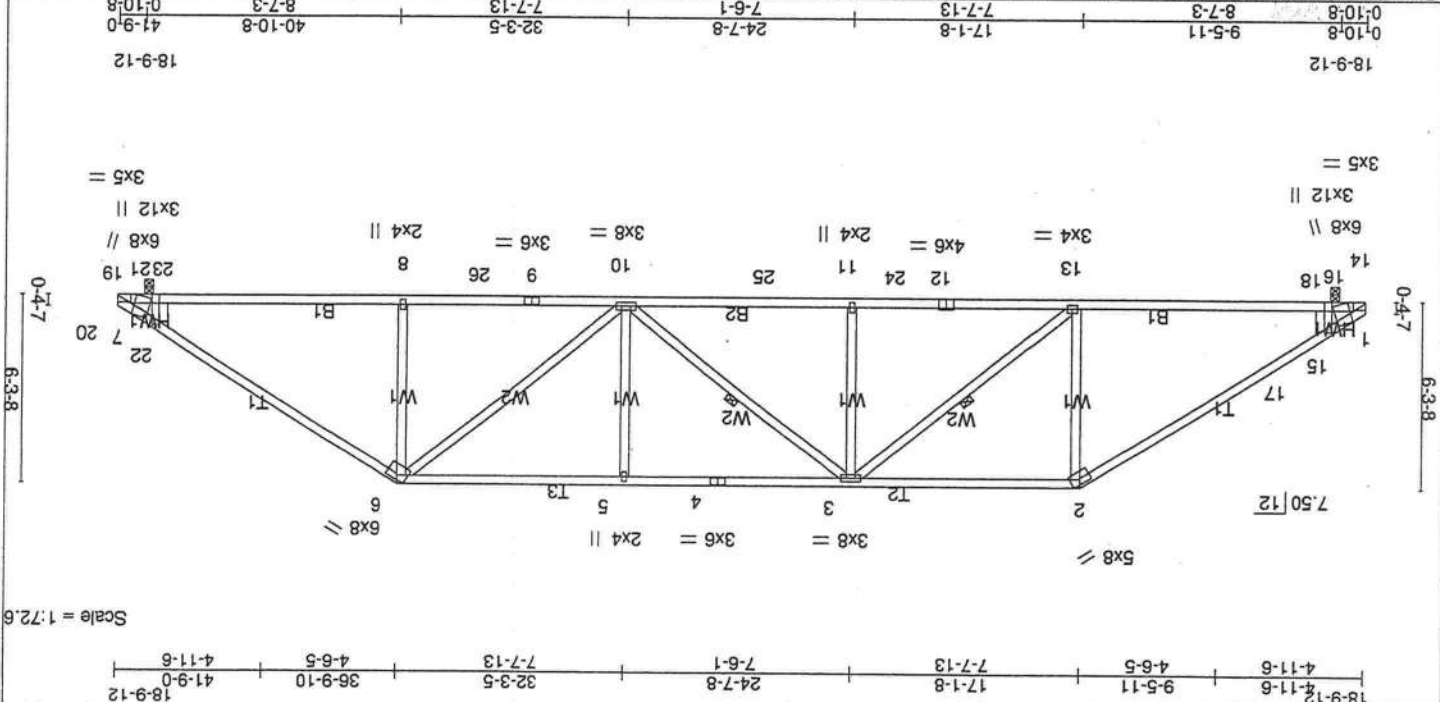
REACTIONS (lb/size) 16=1533/0-3-8, 21=1546/0-3-8
Max Horz 16=-267(LC 4)
Max Uplift 16=-616(LC 5), 21=-616(LC 4)

Left: 2 X 10 SYP No.2, Right: 2 X 10 SYP No.2

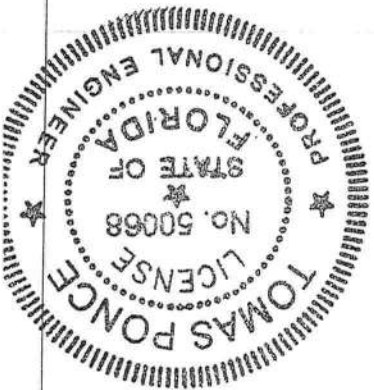
BRACING
TOP CHORD
BOT CHORD
WEBS
Structural wood sheathing directly applied.
Rigid ceiling directly applied or 6-0-oc bracing.
1 Row at midpt
3-13, 3-10

[illegible]

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



Scale = 1:72.6



NOTES (7)

- (1) Unbalanced roof live loads have been considered for this design.
- (2) Wind: ASCE 7-05; 140mph (3-second gust); TCDF=4.2psf; BCDL=6.0psf; 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 DCL=1.60 plate gnp DCL=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 650 lb uplift at joint 18 and 650 lb uplift at joint 23.
- (7) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANS/TPI 1.

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	TOP CHORD	BOT CHORD	WEBS
17-19 = -2219/1256, 2-3 = -2566/1639, 3-4 = -2566/1640, 4-5 = -2566/1640,	5-6 = -2666/1400, 6-7 = -2666/1639, 7-24 = -2129/1256, 22-24 = -827/1400	18-20 = -472/582, 15-26 = -914/1715, 15-26 = -911/1719, 14-26 = -911/1719, 13-14 = -911/1719,	10-11 = -855/1719, 10-29 = -855/1719, 9-29 = -855/1719, 9-22 = -855/1719, 23-25 = -356/582
		13-27 = -1494/2867, 12-27 = -1494/2867, 12-28 = -1494/2867, 11-28 = -1494/2867,	7-11 = -753/1184, 7-13 = -822/4378, 4-13 = -422/243, 4-11 = -422/243, 6-11 = -334/378,
		18-20 = -472/582, 15-26 = -914/1715, 15-26 = -911/1719, 14-26 = -911/1719, 13-14 = -911/1719,	22-23 = -791/1418, 24-25 = -228/362, 23-24 = -983/531, 22-22 = -443/920,

REACTIONS (lb/size) 18=1515/0-3-8, 23=1515/0-3-8
Max Horiz 18=237(LC 5)
Max Up lift 18=650(LC 5), 23=650(LC 4)

Left: 2 X 12 SYP No.2, Right: 2 X 12 SYP No.2

WEBS
2 X 4 SYP No.2

TOP CHORD 2 X 4 SYP No.2

0000	10:0	5000
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LOADING (psf)	
TCLL	16.0
TCDL	7.0
BCLL	0.0

SPACING	
Plates Increase	1.25
Lumber Increase	1.25
Rep Stress Incr	2.0-0

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

0-10-8	8-4-14	14-7-1
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3x5 =

5x8 || 2x4 ||

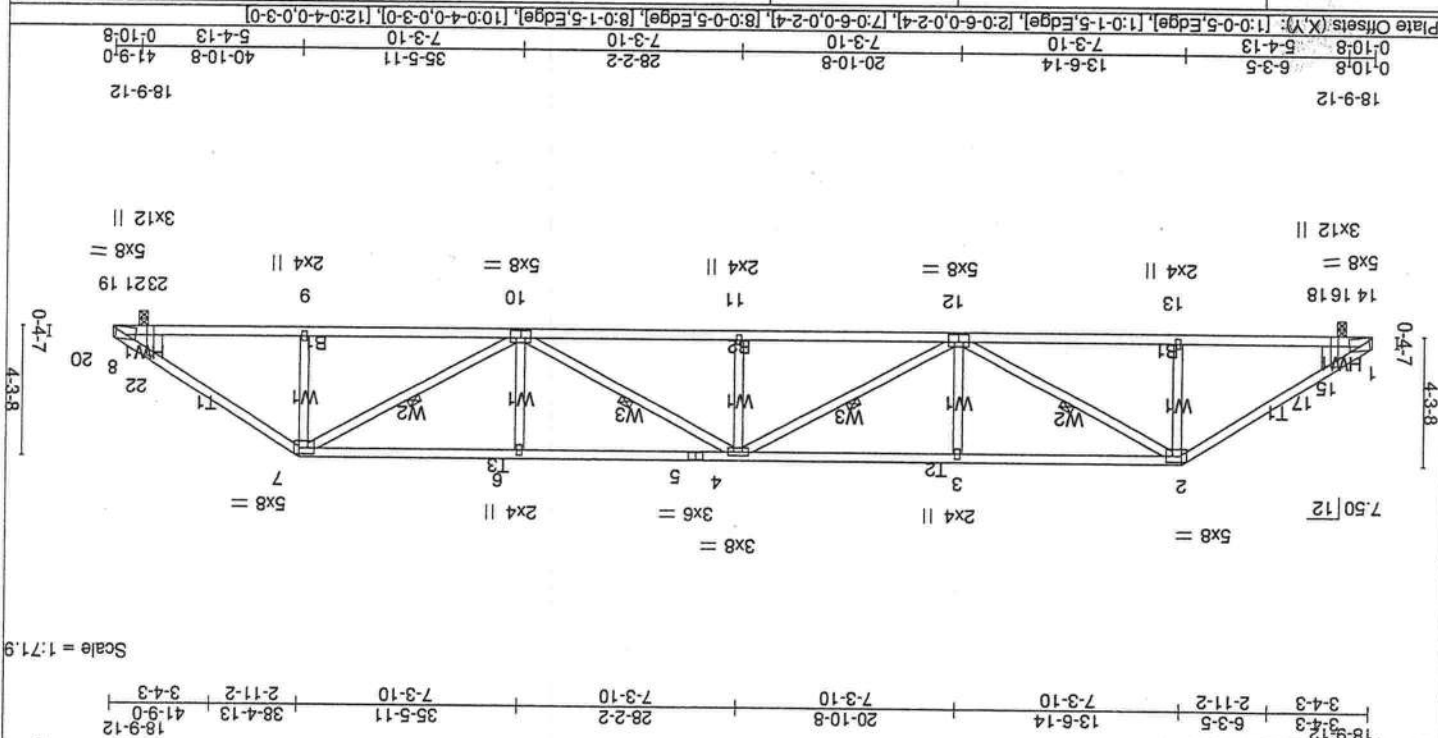
8-19

7.50	12	2
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4-5-0 3-11-14 6-2-13

1	MOI	FORM 100-1
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Job	Truss
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LOADING (psi)	SPACING	CSF	DEFL	L/d_{eff}	PLATES	Weight: 212 lb
16.0	2-0-0	in (loc)	0.16	n/a	MT20	
RCLL	Plates increase	TC	-0.71	>961	GRIP	
7.0	1.25	BC	0.97	240		
RCLL	Lumber increase	WB	0.30	180		
0.0	Rep Stress Incr	(Matrix-M)		n/a		
10.0	Code FRC2007/TP12002					

BRACING
TOP CHORD
BOT CHORD
WEBS
Structural wood sheathing directly applied or 3-0-1 oc purlins.
Rigid ceiling directly applied or 2-2-0 oc bracing.
1 Row at midpt 2-12, 4-12, 4-10, 7-10
Left: 2 X 10 SYP No.2, Right: 2 X 10 SYP No.2

REACTIONS (lb/size) 16=1378/0-3-8, 21=1378/0-3-8
Max Horiz 16=177(LC 5)
Max Uplift 16=-711(LC 5), 21=-711(LC 4)

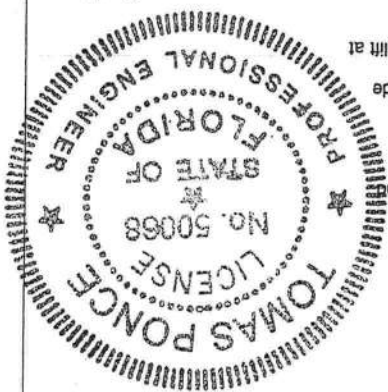
ORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

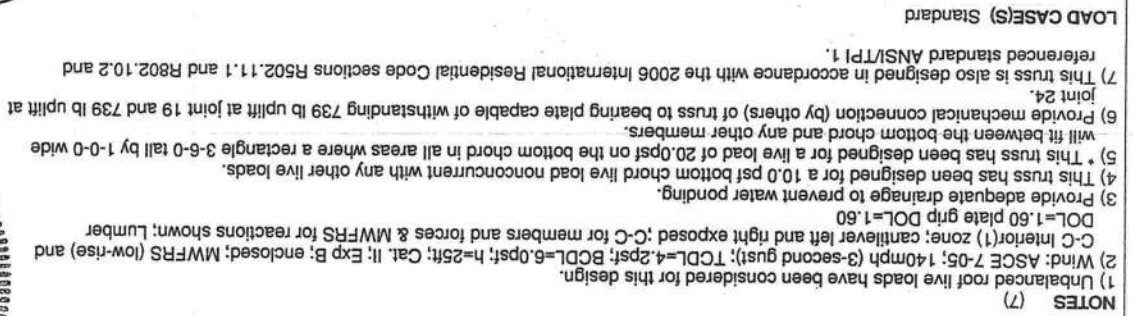
OT CHORD

OT CHORD

EBS

OTES (7)
 Unbalanced roof live loads have been considered for this design.
 Wind: ASCE 7-05; 140mph (3-second gust); TCDL=4.2psf; BCDL=6.0psf; 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 711 lb uplift at joint 16 and 711 lb uplift at joint 21.
 This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.





FORCES (lb) - Max. Comp./Miles. Ton. - All forces 250 (lb) or less except when shown.
18-20=711/468, 2-3=-1583/1144, 3-4=-4028/2775, 4-5=-4028/2775,
5-6=-4028/2775, 6-7=-1581/1144, 7-8=-1882/1144, 8-25=-1907/1265, 23-25=-709/467
19-21=-392/486, 16-21=-970/1546, 15-16=-2208/3468, 14-15=-2208/3468,
13-14=-2208/3468, 12-13=-2207/3467, 11-12=-2207/3467, 10-11=-2207/3467,
10-26=-935/1546, 24-26=-311/487
WEBS
2-16=-378/808, 3-16=-2078/1666, 3-13=-410/625, 5-13=-329/420,
6-13=-412/626, 6-11=-10/336, 6-10=-2079/1367, 8-10=-379/809, 18-19=-76/477,
19-20=-900/578, 18-21=-481/814, 23-24=-725/476, 24-25=900/578, 23-26=-481/813

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

FORCES (lb) - Max Comp/Max Ten - All forces 350 (lb) or less except where shown

REACTIONS (lb/size) 19=1378/0-3-8, 24=1378/0-3-8
Max Horiz 19=147(LC 5)

Left: 2 X 10 SYP No.2, Right: 2 X 10 SYP No.2

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

LUMBER TOP CHORD 2 X 4 SYP No 2

LOADING (psi)	SPACING	CSL	DEFL
16.0	Plates Increase	TC 0.68	Vert(LL) 0.7
7.0	Lumber Increase	BC 0.99	Vert(TL) -0.9
0.0	Rep Stress Incr	WB 0.60	Horz(TL) 0.2

LOADING (pst)	16.0	2.0
TCLL	16.0	2.0
SPACING	2-0-0	1.25
Plates Increase	1.25	0.68
TC	0.68	0.7
DEFL	0.7	0.7

Plate Offsets (X, Y):	1:0-0-3,Edge, 1:0-1-3,Edge, 2:0-4-0-0-2-4, 8:0-4-0-0-2-4, 9:0-1-5-Edge, 9:0-0-
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0-10-8	5-2-8	13-1-6	20-10-8	28-7-10
0-10-8	4-4-0	7-10-14	7-9-2	7-9-2

18-9-12

5x8 = 4x6 = 3x8 = 2x8 = 1x8 =

13

Figure 1 shows a schematic diagram of the experimental setup. A horizontal beam is supported by a vertical stand. A weight hanger is attached to the beam, and a weight is placed on it. A spring scale is attached to the beam, and a weight is placed on it. A ruler is placed below the beam to measure the displacement.

$$5x6 = 2x4$$

18-9-12 5-2-8 13-1-6 20-10-8 28-7-1

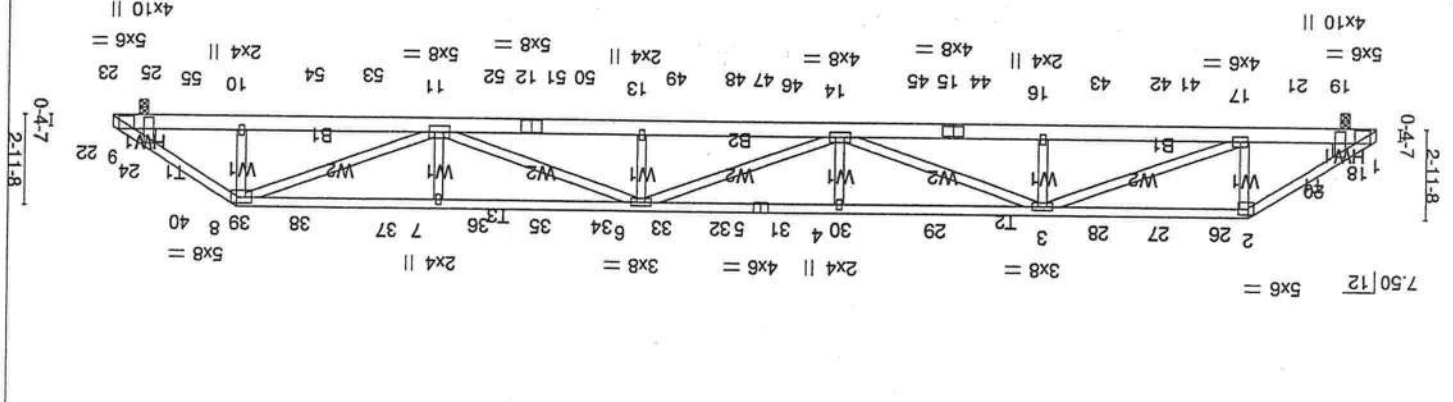
				Maronda Homes Inc., Sanford, FL
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City	Russ type	Russ	Doc

[illegible]

Job	DASHWOOD	Truss	HGRD1X	HIP	2	City	Ply	3	Job Reference (optional)	7.140 s Aug 17 2009 Mittek Industries, Inc. Tue Dec 15 09:56:07 2009 Page 1
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18-9-12	4-1-11	10-11-1	17-6-11	6-7-10	24-2-5	30-9-15	37-7-5	4-1-11	18-9-12
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LOADING (psi)	SPACING	CSI	DEFL	in (loc)	L/d	PLATES	Weight: 706 lb
TCLL 16.0	Plates Increase 1.25	TC 0.58	Ver(TL) 0.86	13-14	240	MT20	GRIP 244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.71	Ver(TL) 0.97	13-14	180		
BCLL 0.0	Rep Stress Incr NO	WB 0.38	Horz(TL) 0.13	9	n/a		
BCLL 0.0	Code FRC2007/TP12002						

LUMBER	TOP CHORD 2 X 4 SYP No.2	BRACING	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
WEBS	2 X 4 SYP No.2		BOT CHORD	Rigid ceiling directly applied or 9-9-7 oc bracing.

REACTIONS	(lb/size) 19=3307/0-3-8, 23=3308/0-3-8	Max Horz 19=117(LC 3)	Max Uplift 19=2693(LC 7), 23=2693(LC 8)
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FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	1-18=-1270/1075, 18-20=-2809/2357, 2-20=-4568/3792, 2-26=-3906/3314, 26-27=-3906/3314, 27-28=-3905/3314, 3-29=-1214/19839, 28-30=-1214/19839, 30-31=-1214/19839, 4-31=-1214/19839, 4-32=-1214/19839, 5-32=-1214/19839, 5-33=-1214/19839, 33-34=-1214/19839, 6-34=-1214/19839, 6-35=-9515/7765, 7-37=-9515/7765, 7-38=-9515/7765, 38-39=-9515/7765, 39-40=-9515/7765, 8-40=-9515/7765, 8-41=-9515/7765, 8-42=-4621/3837, 22-24=-2825/2372, 9-22=-1276/1081
BOT CHORD	1-19=-818/960, 19-21=-1819/2080, 17-21=-3203/3777, 17-41=-7847/9605, 41-42=-7847/9605, 42-43=-7847/9605, 16-43=-7847/9605, 16-44=-7847/9605, 15-44=-7847/9605, 45-46=-7847/9605, 14-46=-7847/9605, 14-47=-9910/12252, 47-48=-9910/12252, 48-49=-9910/12252, 13-49=-9910/12252, 11-52=-9910/12252, 50-51=-9910/12252, 12-51=-9910/12252, 12-52=-9910/12252, 13-50=-9910/12252, 11-53=-3128/3828, 53-54=-3128/3828, 54-55=-3128/3828, 2-17=-1769/2266, 3-17=-6128/4935, 3-18=-454/860, 3-19=-1725/2103, 9-23=-823/965, 2-10=-3128/3828, 10-25=-3124/3822, 23-25=-1725/2103, 9-23=-823/965, 6-13=-384/778, 6-11=-2946/2364, 7-11=-413/514, 8-11=-4903/6094, 18-19=-1433/1192, 20-21=-295/249, 19-20=-1559/1277, 18-21=-1083/1307, 22-23=-1435/1192, 24-25=-280/232, 23-24=-1579/1295, 22-25=-1100/1323

NOTES	(13)
1	3-ply truss to be connected together with 10d (0.131"x3") nails as follows: Top chords connected as follows: 2 X 4 - 1 row at 0-7-0 oc. Bottom chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc. Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2	All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3	Unbalanced roof live loads have been considered for this design.
4	Wind: ASCE 7-05: 140mph (3-second gust); TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise);
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.

Job	Truss	HGRD1X	HIP	Qty	Ply	DASHWOOD_FLA_07_7LC04702	Job Reference (optional)
				2	3		

Maronda Homes Inc., Sanford, FL 7:140 s Aug 17 2009 Milltek Industries, Inc. Tue Dec 15 09:56:07 2009 Page 2

NOTES (13)

- 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 2693 lb uplift at joint 19 and 2693 lb uplift at joint 23.
- 9) Use USP MP3 (With 10d nails into Girder & 10d nails into Truss) or equivalent at 4-1-11 from the left end to connect truss(es) JGRD1X (1 ply 2 X 4 SYP) to front face of bottom chord, skewed 28.1 deg. to the left, sloping 0.0 deg. down.
- 10) Use USP MP3 (With 10d nails into Girder & 10d nails into Truss) or equivalent at 37-7-5 from the left end to connect truss(es) JGRD1X (1 ply 2 X 4 SYP) to front face of bottom chord, skewed 28.1 deg. to the right, sloping 0.0 deg. down.
- 11) Fill all nail holes where hanger is in contact with lumber.
- 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 31 lb down and 100 lb up at 4-10-8, 31 lb down and 100 lb up at 6-10-8, 31 lb down and 100 lb up at 8-10-8, 31 lb down and 100 lb up at 10-10-8, 31 lb down and 100 lb up at 12-10-8, 31 lb down and 100 lb up at 14-10-8, 31 lb down and 100 lb up at 16-10-8, 31 lb down and 100 lb up at 18-10-8, 31 lb down and 100 lb up at 20-10-8, 31 lb down and 100 lb up at 22-10-8, 31 lb down and 100 lb up at 24-10-8, 31 lb down and 100 lb up at 26-10-8, 31 lb down and 100 lb up at 28-10-8, 31 lb down and 100 lb up at 30-10-8, 31 lb down and 100 lb up at 32-10-8, and 31 lb down and 100 lb up at 34-10-8, and 31 lb down and 100 lb up at 36-10-8 on top chord, and 156 lb down and 128 lb up at 4-10-8, 156 lb down and 128 lb up at 6-10-8, 156 lb down and 128 lb up at 8-10-8, 156 lb down and 128 lb up at 10-10-8, 156 lb down and 128 lb up at 12-10-8, 156 lb down and 128 lb up at 14-10-8, 156 lb down and 128 lb up at 16-10-8, 156 lb down and 128 lb up at 18-10-8, 156 lb down and 128 lb up at 20-10-8, 156 lb down and 128 lb up at 22-10-8, 156 lb down and 128 lb up at 24-10-8, 156 lb down and 128 lb up at 26-10-8, 156 lb down and 128 lb up at 28-10-8, 156 lb down and 128 lb up at 30-10-8, 156 lb down and 128 lb up at 32-10-8, and 156 lb down and 128 lb up at 34-10-8, and 156 lb down and 128 lb up at 36-10-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 13) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANS/TP1 1.

LOAD CASE(S) Standard

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

Uniform Loads (psf)

Vent: 1-2=-46, 2-8=-46, 8-9=-46, 1-9=-20

Concentrated Loads (lb)

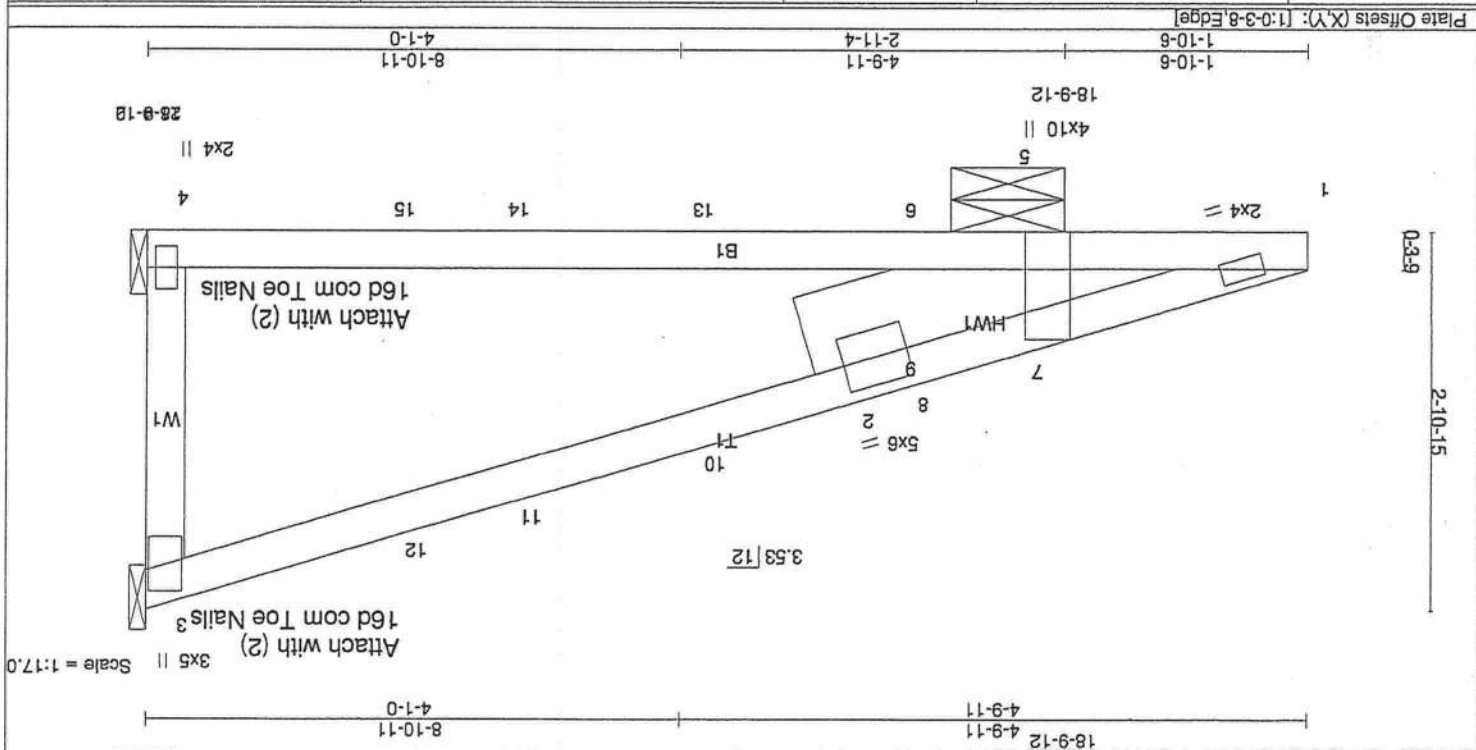
Vent: 17=-342(F) 3=-31(F) 16=-156(F) 7=-31(F) 11=-156(F) 10=-342(F) 26=-31(F) 27=-31(F) 28=-31(F) 29=-31(F) 30=-31(F) 31=-31(F) 32=-31(F) 33=-31(F) 34=-31(F) 35=-31(F) 36=-31(F) 37=-31(F) 38=-31(F) 39=-31(F) 40=-31(F) 41=-156(F) 42=-156(F) 43=-156(F) 44=-156(F) 45=-156(F) 46=-156(F) 47=-156(F) 48=-156(F) 49=-156(F) 50=-156(F) 51=-156(F) 52=-156(F) 53=-156(F) 54=-156(F) 55=-156(F)



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DEC 15 2009

Job	DASHWOOD	JACK	4	1	Job Reference (optional)
DASHWOOD_FLA_07					

[illegible]

LUMBER	TOP CHORD 2 X 4 SYP No.2	2
	BOT CHORD 2 X 4 SYP No.2	2
	WEBS 2 X 4 SYP No.2	2
SLIDER	Left 2 X 8 SYP No.2-2-10-5	1
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) 3=202/Mechanical, 4=109/Mechanical, 5=339/0-1-8 (input: 0-10-4)
Max Horiz 5=99(LC 5)
Max Uplift 3=302(LC 7), 4=-40(LC 7), 5=-184(LC 7)
Max Grav 3=202(LC 1), 4=-150(LC 2), 5=339(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 7-8=-293/0, 2-8=-276/0
WEBS 2-9=0/341, 6-9=-234/709, 5-9=-290/30, 7-9=-2/391

(3) 1 Wind: ASCE 7-05; 140mph (3-second gust); TCDF=4.2psf; BCDF=6.0psf; 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 roof deck.

- (4) Refer to girders(s) for truss to truss connections.
- (5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 302 lb uplift at joint 3, 40 lb uplift at joint 4 and 184 lb uplift at joint 5.
- (6) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

(7) Hangers (or other connection devices) shall be provided sufficient to support concentrated loads (a) 2 lb up at 4'-8-9", and 70 lb down at 6'-1-7", and 166 lb up at 6'-1-7", and 221 lb down and 122 lb up at 6'-11-12 on top chord, and 3 lb up at 4'-8-9", and 61 lb down at 6'-1-7", and 19 lb down at 6'-11-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

(8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

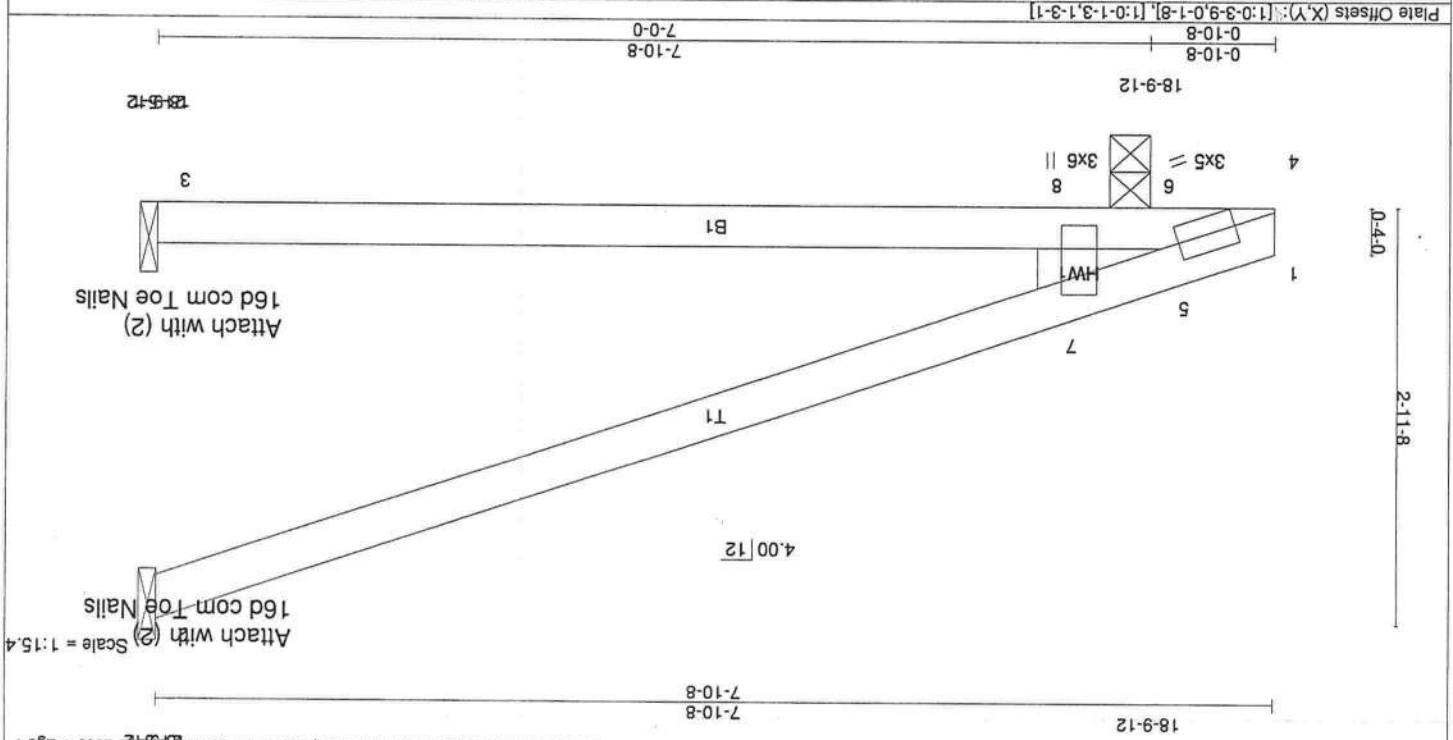
(9) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 3-7=-54 1-4=-20
TOMAS PONCE
LICENSE

Vertical Loads (lb)
Concentrated Loads (lb)
Vert: 10=3(B) 11=70(F) 12=21(B) 13=1(B) 14=30(F) 15=9(B)

AUG 7 0 2009
 FLORIDA PROFESSIONAL ENGINEER

Job	DASHWOOD	Truss Type	PLY	Qty	29	1	Job Reference (optional)	7,110 s Dec 15 2008 Mitek Industries, Inc. Thu Feb 12 14:42:55 2009 Page 1



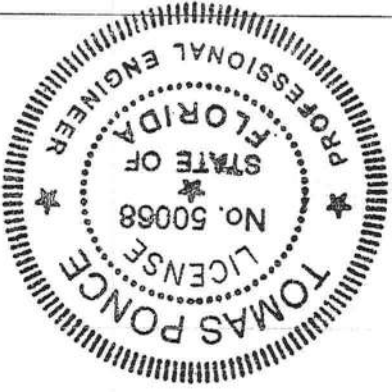
LOADING (psf)	TOLL 18.0	Plates Increase 1.25	CS 0.40	DEFL in (loc) 0.18	VERT (TL) 0.23	Horz (TL) 0.03	2	n/a	240	L/D
	TCOLL 7.0	Lumber Increase 1.25	BC 0.36	VERT (TL) 0.18	3-8	3-8	>404	180	240	
	BCOLL 0.0	Rep Stress Incr YES	WB 0.00	Horz (TL) 0.03	2	n/a	n/a	180	240	
	BCOLL 10.0	Code FRC2007/TP12002	(Matrix-M)							

LUMBER	TOP CHORD 2 X 4 SYP No.2	BRACING	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
	WEDGE		BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
	Left: 2 X 4 SYP No.2			

REACTIONS (lb/size) 2=142/Mechanical, 3=83/Mechanical, 6=290/0-1-8 (input: 0-3-8)
 Max Horiz 6=135(LC 4)
 Max Uplift 2=138(LC 4), 6=113(LC 4)
 Max Grav 2=142(LC 1), 3=123(LC 2), 6=290(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS 7-8=-117/343

NOTES
 1) Wind: ASCE 7-05: 140mph (3-second gust); TCDL=4.2psf; BCDL=6.0psf; 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) except (ft=lb) 2=138, 6=113.
 LOAD CASE(S) Standard



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FEB 19 2009



(1) Wind: ASCE 7-05; 1.4 mph (3-second gust); (C_dL=2.25; RCDL=6.0 psf; n=25%; Cal.; II; exp B; enclosed; MWFRS (low-rise) and C-C interior(1) zone); 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 girders(s) for truss to truss connections.
 (5) Provide mechanical connection (by others) or truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (I)=(lb)=3=138.

FORCES (lb) - Max. Comp/Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD -2-6=-460/0
BOT CHORD -5-7=-393/200
WEBS -6-8=-231/301, 1-8=-0/326, 2-8=0/465

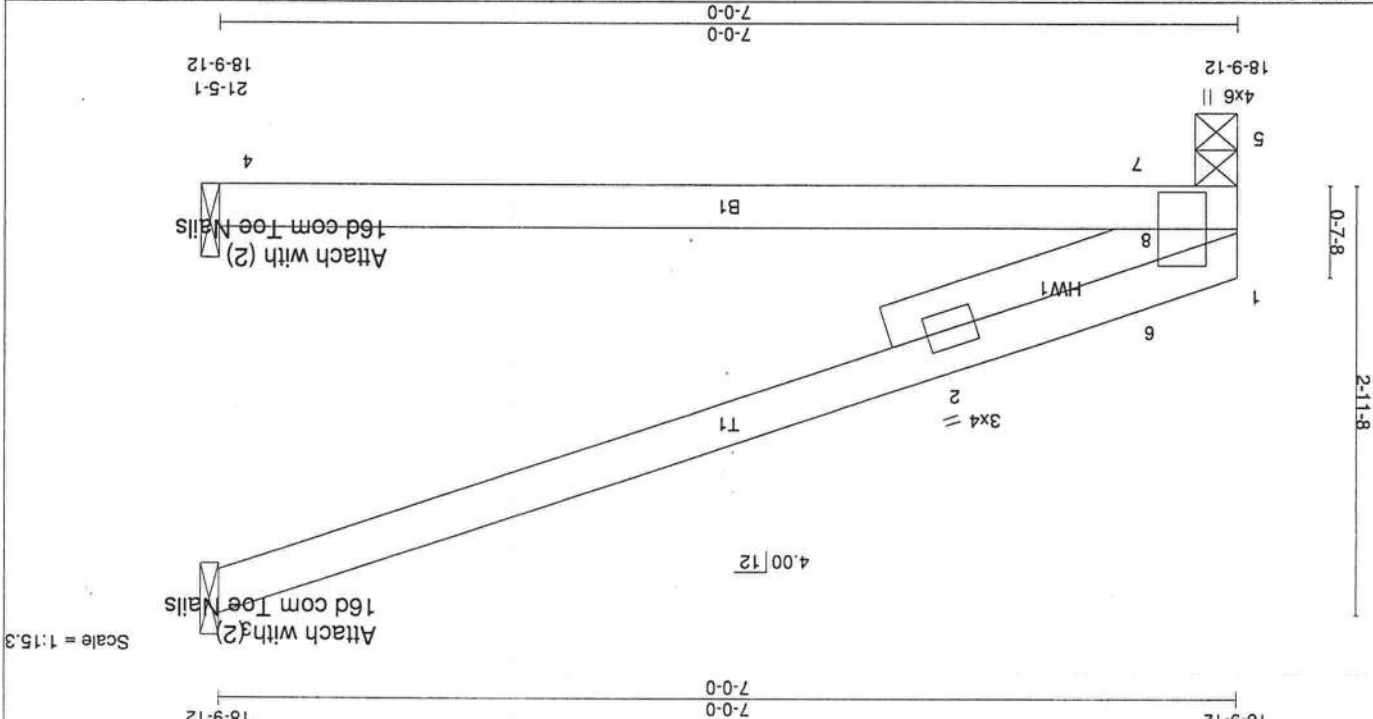
Max Grav5=229(LC 1), 3=-146(LC 1), 4=121(LC 2)
Max Up1115=-84(LC 4), 3=-138(LC 4)
Max Horz5=120(LC 4)
(lp/size) : 5=229/0-1-8(input: 0-3-8), 3=-146/Mechanical, 4=83/Mechanical

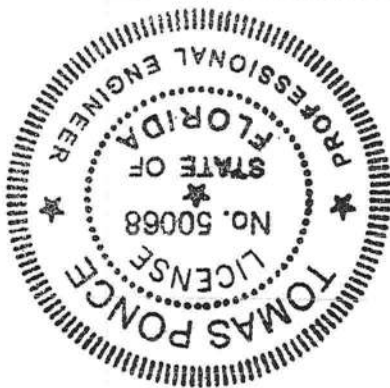
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
SLIDER Left 2 X 4 SYP No.2-2-6-0

Structural wood sheathing directly applied or 6-0-0 oc purlins, Rigid ceiling directly applied or 9-6-15 oc bracing.

[illegible]

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





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

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

will fit between the bottom chord and any other members.

(3) This truss has been designed for a live load of 20.0 psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide.

grip DOL=1.60

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

NOTES

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

Max Grav2=85(LC 1), 3=74(LC 2), 6=206(LC 1)

Max Up lift=-83(LC 4), 3=-1(LC 4), 6=-80(LC 4)

Max Horiz 6=90(LC 4)

REACTIONS

Left: 2 X 4 SYP No.2

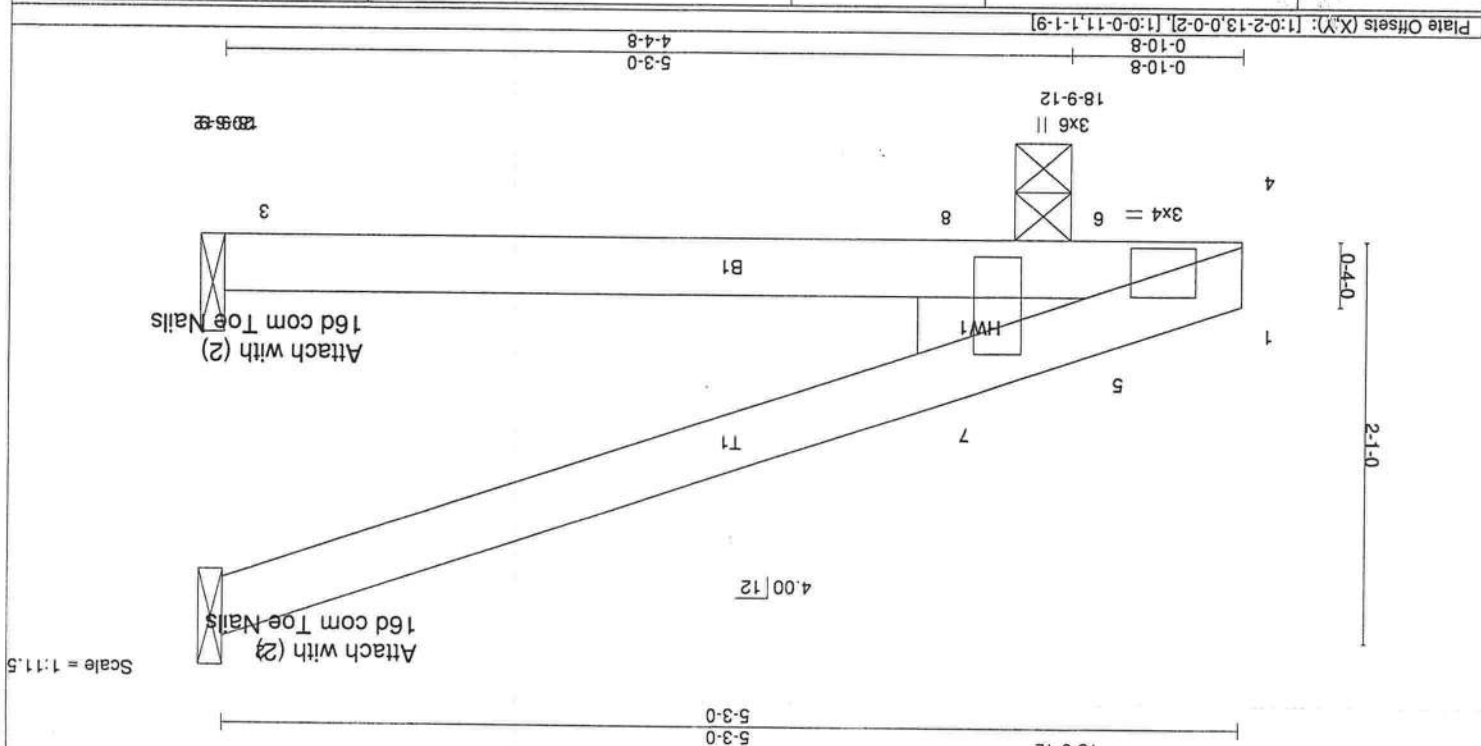
WEDGE

BOT CHORD 2 X 4 SYP No.2

ROT CHORD

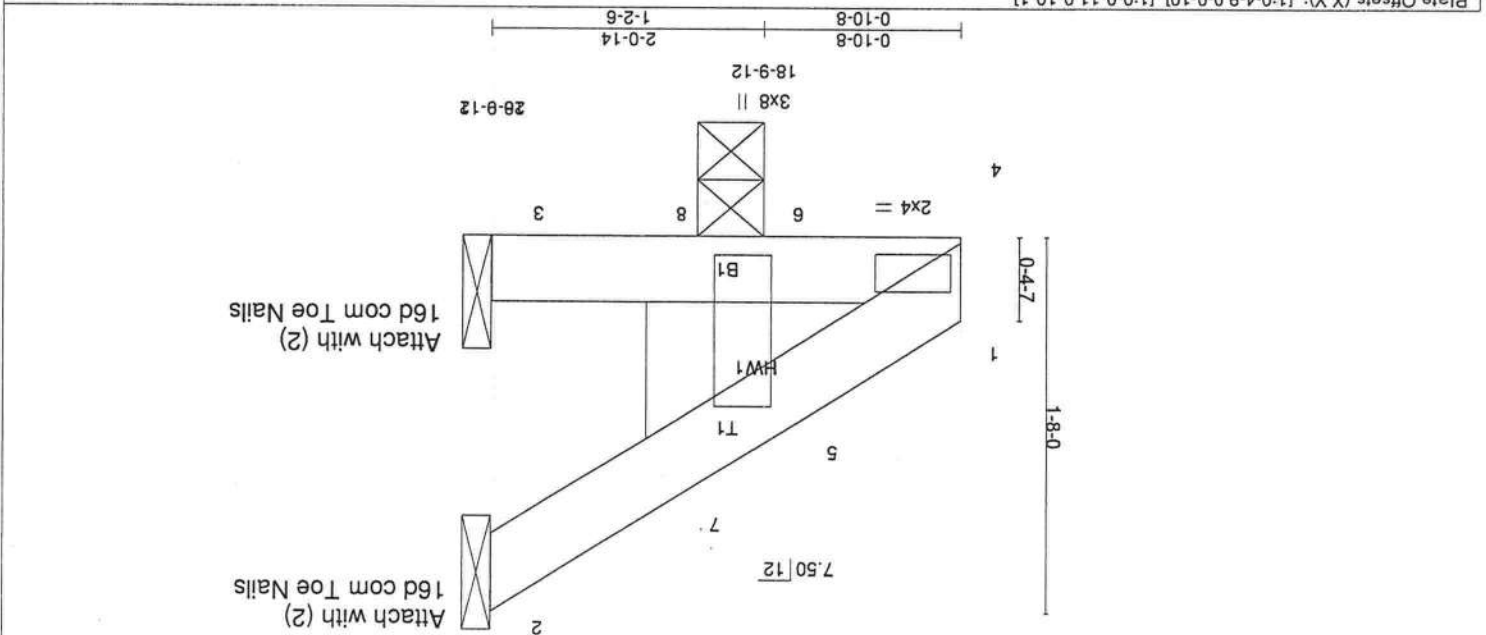
Structural wood sheathing directly applied or 5-3-0 oc purlins.
Rigid ceiling directly applied or 10-0-0 oc bracing.

LOADING (psf)	SPACING	2-0-0	CS1	DEFL	in (loc)	L/d	MT20	GRIP	244/190	Weight: 17 lb
TCLL	Plates increase	1.25	TC	Ver(TL)	3-8	240				
TCLL	Lumber increase	1.25	BC	Ver(TL)	3-8	180				
7.0	Rep Stress Incr	YES	WB	Horz(TL)	-0.03					
0.0	Code FRG2007/TP12002				-0.01					
BCDL					2					
10.0					n/a					
					n/a					



Job	DASHWOOD	Truss Type	JACK	City	Ply	DASHWOOD_140_FLA_07
	J2X			4		

Maronda Homes Inc., Sanford, FL
 7:110 s Dec 15 2008 Mittek Industries, Inc. Tue Feb 03 10:03:11 2009 Page 1
 Job Reference (optional)



LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/dell	L/D
TCLL 16.0	Plates Increase 1.25	TC 0.03	Ven(TL) -0.00	4	>999	240
TCCL 7.0	Lumber Increase 1.25	BC 0.02	Ven(TL) -0.00	4	>999	180
BCLL 0.0	Rep Stress Incr YES	WB 0.00	Horz(TL) -0.00	1	n/a	n/a
BCDL 10.0	Code FRC2007/TP12002	(Matrix-M)				

BRACING	TOP CHORD	BOT CHORD
Structural wood sheathing directly applied or 2'-0"-1'4" oc purlins.		
Rigid ceiling directly applied or 6'-0"-0" oc bracing.		

REACTIONS	(lb/size)	2=11/Mechanical, 3=5/Mechanical, 6=11/7'-0"-1'-8" (input: 0-3-8)
Max Horiz 6=65(LC 6)		
Max Uplift 2=-32(LC 6), 3=-15(LC 6), 6=-17(LC 6)		
Max Grav 2=11(LC 1), 3=10(LC 2), 6=117(LC 1)		

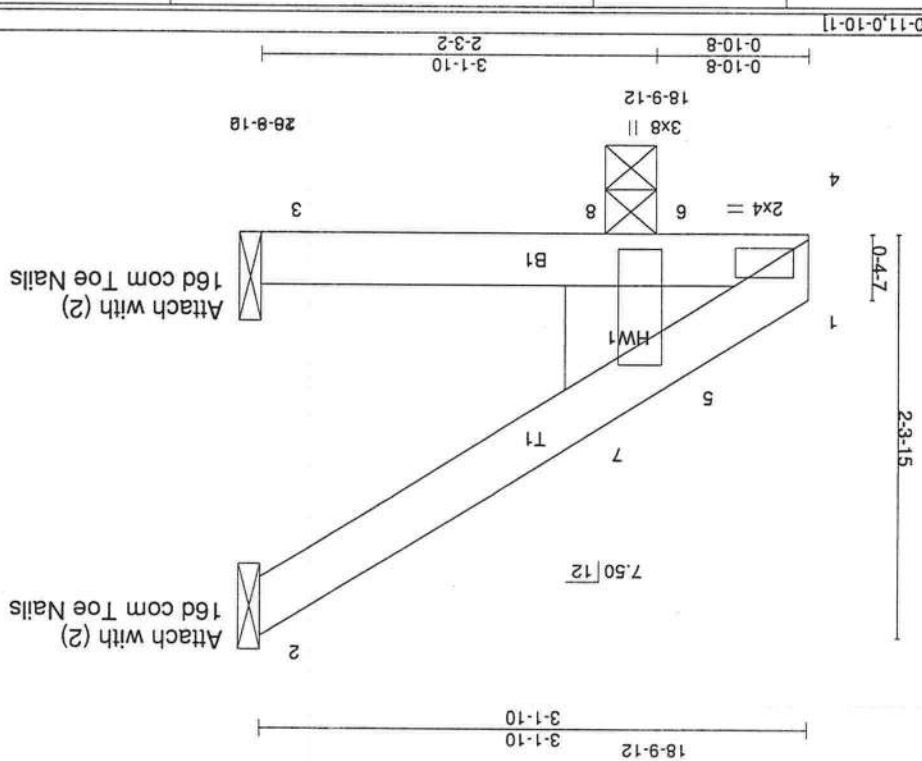
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
1) Wind: ASCE 7-05: 140mph (3-second gust); TCCL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; cantilever left exposed; C-C for members and forces & MWFRS for reactions 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 glider(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

NOTES

Professional Engineer
 STATE OF FLORIDA
 No. 50068
 TOMAS PONCH
 LICENSE

FEB 19 2009



LOADING (psi)	2-0-0	SPACING	2-0-0	CSI	DEFL	in (loc)	L/d	PLATES	GRIP	244/190	Weight: 13 lb
	18.0	Plates increase	1.25	TC	-0.00	8	240				
TCLL	7.0	Lumber increase	1.25	BC	Vert(TL)	8	180	MT20			
TCLL	0.0	Rep Stress Incr	YES	WB	Horz(TL)	8	n/a				
BCDL	10.0	Code FRC2007/TP12002	(Matrix-M)				n/a				

LUMBER TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2
 WEDGE Left: 2 X 8 SYP No.2
 BRACING
 TOP CHORD Structural wood sheathing directly applied or 3-10 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 2=38/Mechanical, 3=23/Mechanical, 6=142/0-1-8 (input: 0-3-8)
Max Horz 6=100(LC 6)
Max Uplift=2=61(LC 6), 3=-14(LC 6), 6=-22(LC 6)
Max Grav2=38(LC 1), 3=34(LC 2), 6=142(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; BCDDL=6.0psf; 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 gip DOL=1.60

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

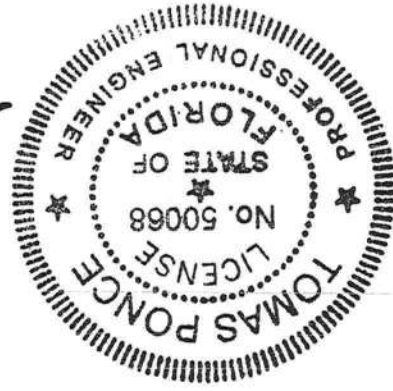
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.

4) Refer to girders) for truss to truss connections.

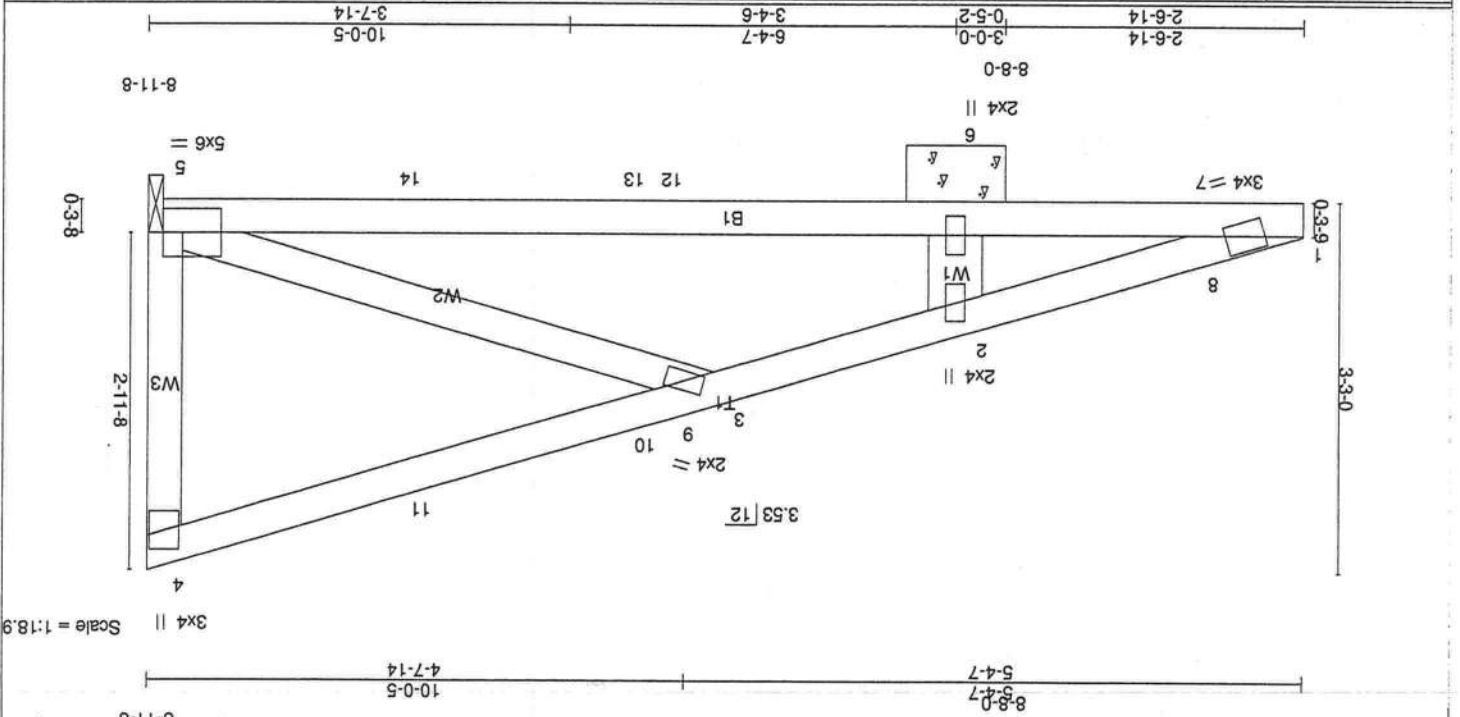
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 3, 6.

LOAD CASE(S) Standard

FEB 19 2009



Job	DASHWOOD	Truss	JGRD2X	Truss Type	MONO TRUSS	City	Ply	1	DASHWOOD_FL_07
Maronda Homes Inc., Sanford, FL									7.140 s Aug 17 2009 Mittek Industries, Inc. Mon Apr 12 16:37:09 2010 Page 1



LOADING (psf)	SPACING	CSI	DEFL	VERT (TL)	Horz (TL)	Weight: 43 lb
TCLL 16.0	Plates Increase 1.25	TC 0.49	in (loc)	5-6 > 999	5-6 > 999	PLATES MT20 244/190 GRIP
TCDL 7.0	Lumber Increase 1.25	BC 0.33	in (loc)	5-6 > 999	5-6 > 999	
BCLL 0.0	Rep Stress Incr NO	WB 0.05	in (loc)	5-6 > 999	5-6 > 999	
BCDL 10.0	Code FRC2007/TP12002	(Matrix-M)	in (loc)	5-6 > 999	5-6 > 999	

LUMBER	2 X 4 SYP No.2	TOP CHORD	2 X 4 SYP No.2	BRACING	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.	Weight: 43 lb
WEBS	2 X 4 SYP No.2	TOP CHORD	2 X 4 SYP No.2	BRACING	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.	Weight: 43 lb
WEBS	2 X 6 SYP No.2	TOP CHORD	2 X 6 SYP No.2	BRACING	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.	Weight: 43 lb

REACTIONS	(lb/size) 6=465/0-10-4, 5=427/0-1-8	Max Horiz 6=215(LC 3)	Max Uplift 6=494(LC 3), 5=442(LC 3)	FORCES	(lb) - Max. Comp/Max. Ten. - All forces 250 (lb) or less except when shown.	WEBS	2-6=-328/463
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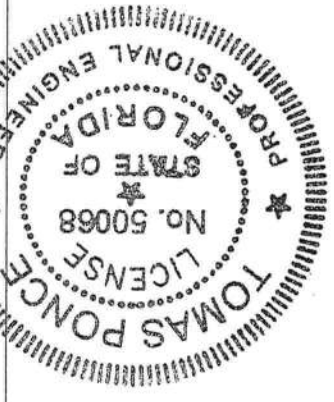
NOTES

- 1) Wind: ASCE 7-05: 140mph (3-second gust); TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; partially; MWFRS (low-rise);
- 2) WARNING: Top chord live load is below minimum required by FRC. The building design professional for the overall structure to verify adequacy of top chord live load.
- 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) Bearing at joint(s) 5 considers parallel to grain value using ANSIT/TP1 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) 5.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 6=494, 5=442.
- 8) "Nailed" indicates 3-10d or 2-12d common wire toe-nails. For more details refer to Mittek's ST-TONAIL Detail.
- 9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 256 lb down and 249 lb up at 9-10-9 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- 11) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSIT/TP1 1.

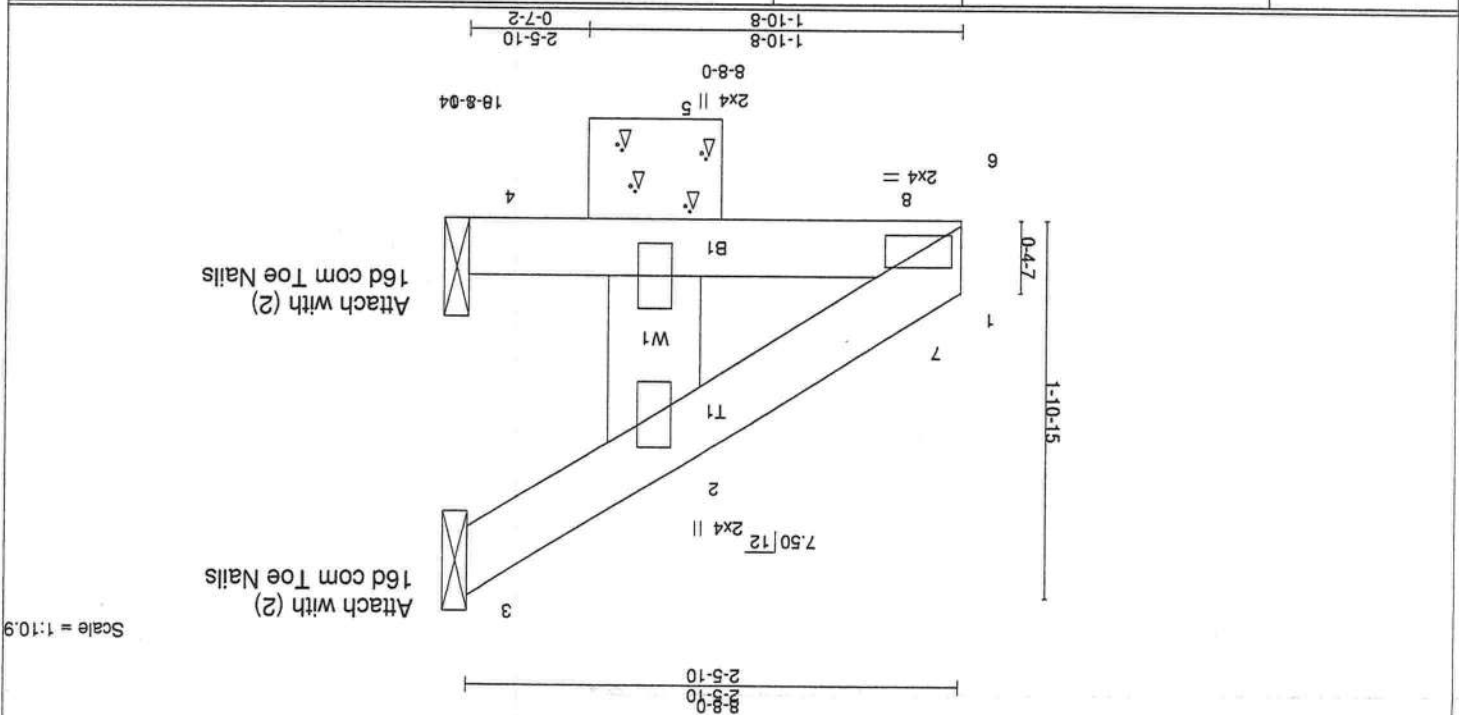
LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
- Uniform Loads (psf)
- Concentrated Loads (lb)
- Vert: 1-4=-46, 1-5=-20
- Vert: 5=-256 9=22(F) 10=-35(B) 11=17(F) 12=29(F) 13=-29(B) 14=13(F)

APR 13 2010



Job	DASHWOOD	Truss	J5X	Truss Type	JACK	City	2	Ply	1	DASHWOOD_FL_A.07	Job Reference (optional)	7.140 s Aug 12 16:37:07 2010 Page 1
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LOADING (psf)	SPACING	CSI	DEFL	in (loc)	in (loc)	Horz(TL)	Vert(TL)	Weight: 10 lb
TCLL 16.0	Plates Increase 1.25	TC 0.06	0.00	0.00	0.00	0.00	0.00	PLATES GRIP
TCDL 7.0	Lumber Increase 1.25	BC 0.08	0.00	0.00	0.00	0.00	0.00	MT20
BCLL 0.0	Rep Stress Incr YES	WB 0.02	0.00	0.00	0.00	0.00	0.00	244/190
BCDL 10.0	Code FRC2007/TP12002	(Matrix-M)	0.00	0.00	0.00	0.00	0.00	

LUMBER	BRACING	RECTIONS	FORCES	NOTES
TOP CHORD 2 X 4 SYP No.2	TOP CHORD	(lb/size) 3=-9/Mechanical, 4=-24/Mechanical, 5=191/0-8-0	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	(6)
BOT CHORD 2 X 4 SYP No.2	BOT CHORD			
WEBS 2 X 6 SYP No.2				

1) Wind: ASCE 7-05: 140mph (3-second gust); TCDL=4.2psf; BCDL=6.0psf; 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.

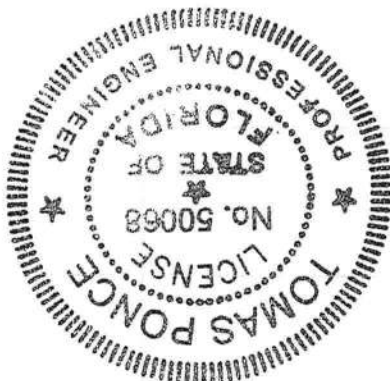
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.

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

5) Provide mechanical connection (by others) or truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (lf=lb) 5=195.

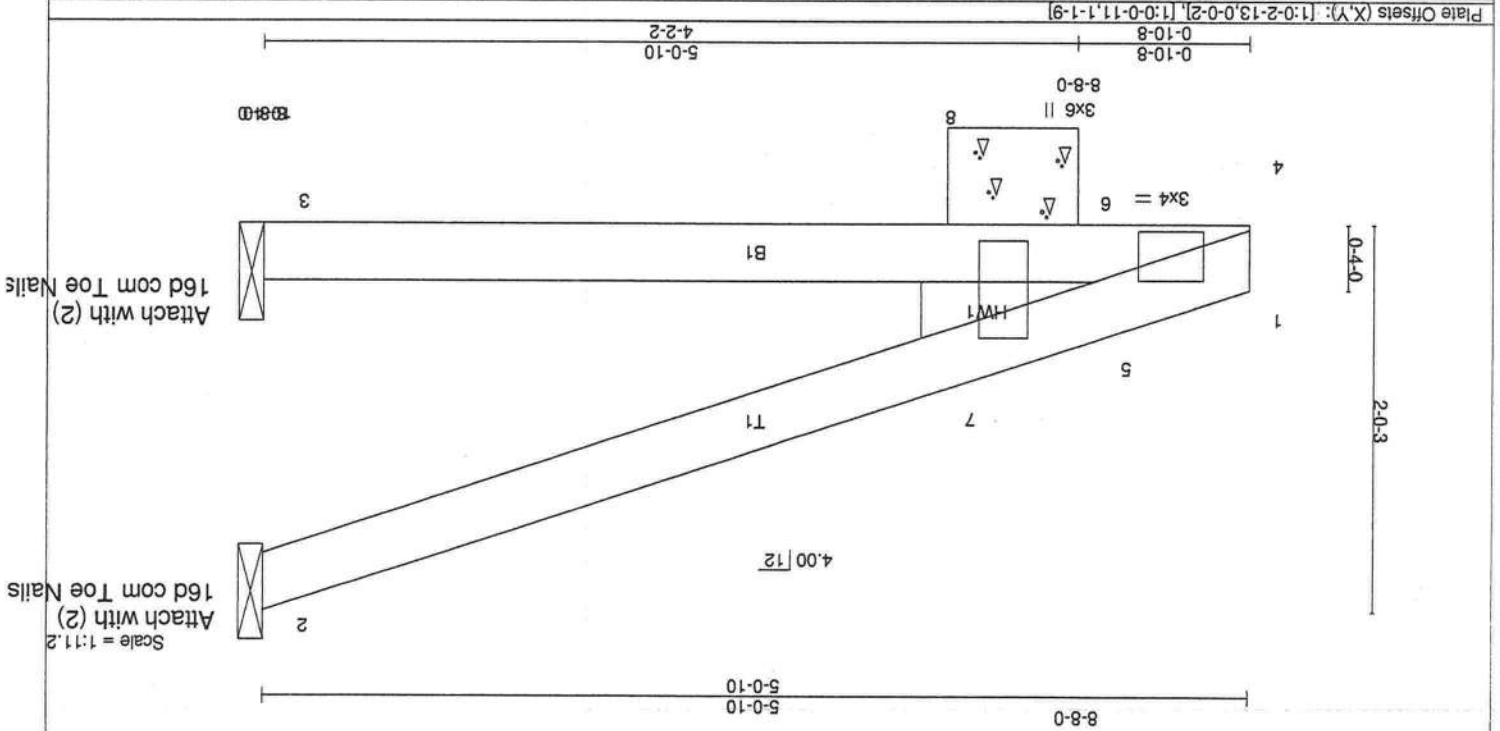
6) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



APR 13 2010

Job	DASHWOOD	Truss	J7X	Truss Type	JACK	Qty	1	Ply	DASHWOOD_FLA_07	Job Reference (optional)	7.140 s Aug 17 2009 Mittek Industries, Inc. Month 02 16:37:07 2010 Page 1
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LOADING (psf)	SPACING	CSI	DEFL	BRACING	LUMBER
TCLL 16.0	Plates Increase 1.25	TC 0.13	Ver(LL) 0.02	TOP CHORD	TOP CHORD 2 X 4 SYP No.2
TCDL 7.0	Lumber Increase 1.25	BC 0.13	Ver(TL) -0.03	BOT CHORD	BOT CHORD 2 X 4 SYP No.2
BCLL 0.0	Rep Stress Incr YES	WB 0.00	Horz(TL) -0.01		WEDGE
BCDL 10.0	Code FRC2007/TFP12002	(Matrix-M)			Left: 2 X 4 SYP No.2

REACTIONS (lb/size)	FORCES (lb)	NOTES
Max Horz 6=86(LC 4)	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	(6)
Max Uplift=-79(LC 4), 3=-1(LC 4), 6=-77(LC 4)		
Max Grav 2=81(LC 1), 3=70(LC 2), 6=200(LC 1)		

LOAD CASE(S) Standard

NOTES

(1) Wind: ASCE 7-05: 140mph (3-second gust); TCDL=4.2psf; BCDL=6.0psf; 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

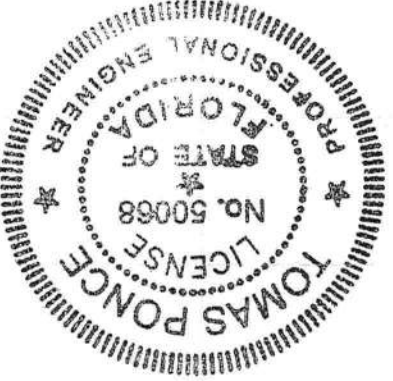
(2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

(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.

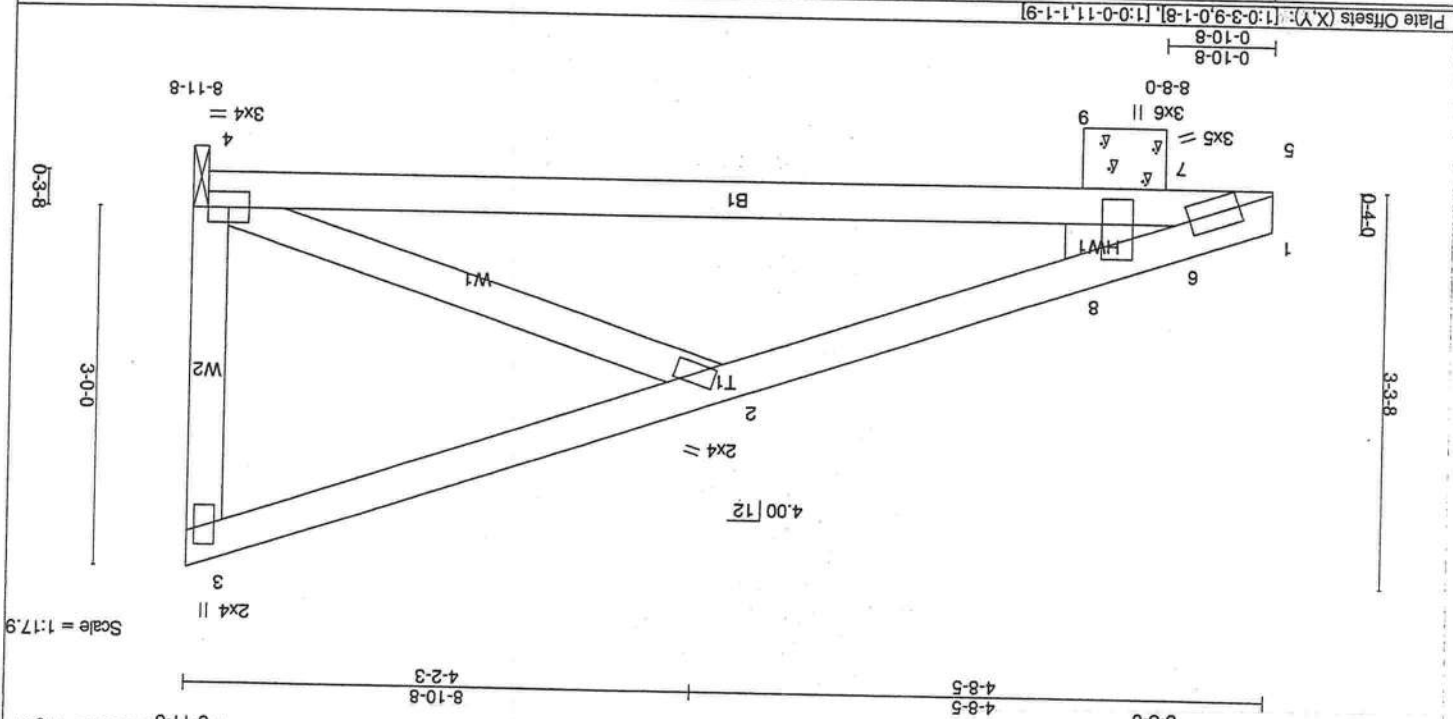
(5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 3, 6.

(6) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



APR 13 2010

Job	DASHWOOD	Truss	M3X	Truss Type	MONO TRUSS	City	Ply	DASHWOOD_FL_07
Maronda Homes Inc., Sanford, FL								
7.140 s Aug 17 2009 Mitek Industries, Inc. Mon Apr 12 16:37:12 2010 Page 1								
Job Reference (optional)								
8-11-8								



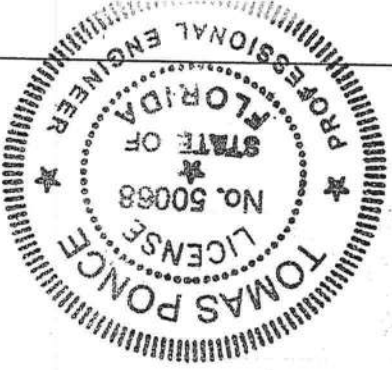
LOADING (psf)	SPACING	CSI	DEFL	DEFLL	DEFLL	DEFLL	DEFLL	DEFLL	DEFLL
TCLL 16.0	Plates Increase 1.25	TC 0.33	in (loc)	-0.08	4-9	>999	180	L/d	MT20
TCDL 7.0	Lumber Increase 1.25	BC 0.39	Ver(TL)	-0.20	4-9	>536	240	L/d	GRIP
BCDL 10.0	Rep Stress Incr YES	WB 0.11	Horz(TL)	-0.01	4	n/a	n/a	Weight: 39 lb	

TOP CHORD	BRACING	TOP CHORD	BRACING
2 X 4 SYP No.2	Structural wood sheathing directly applied or 6-0 oc purlins, except end verticals.	2 X 4 SYP No.2	Structural wood sheathing directly applied or 6-0 oc purlins, except end verticals.
WEDGE		WEDGE	
Left: 2 X 4 SYP No.2		Left: 2 X 4 SYP No.2	

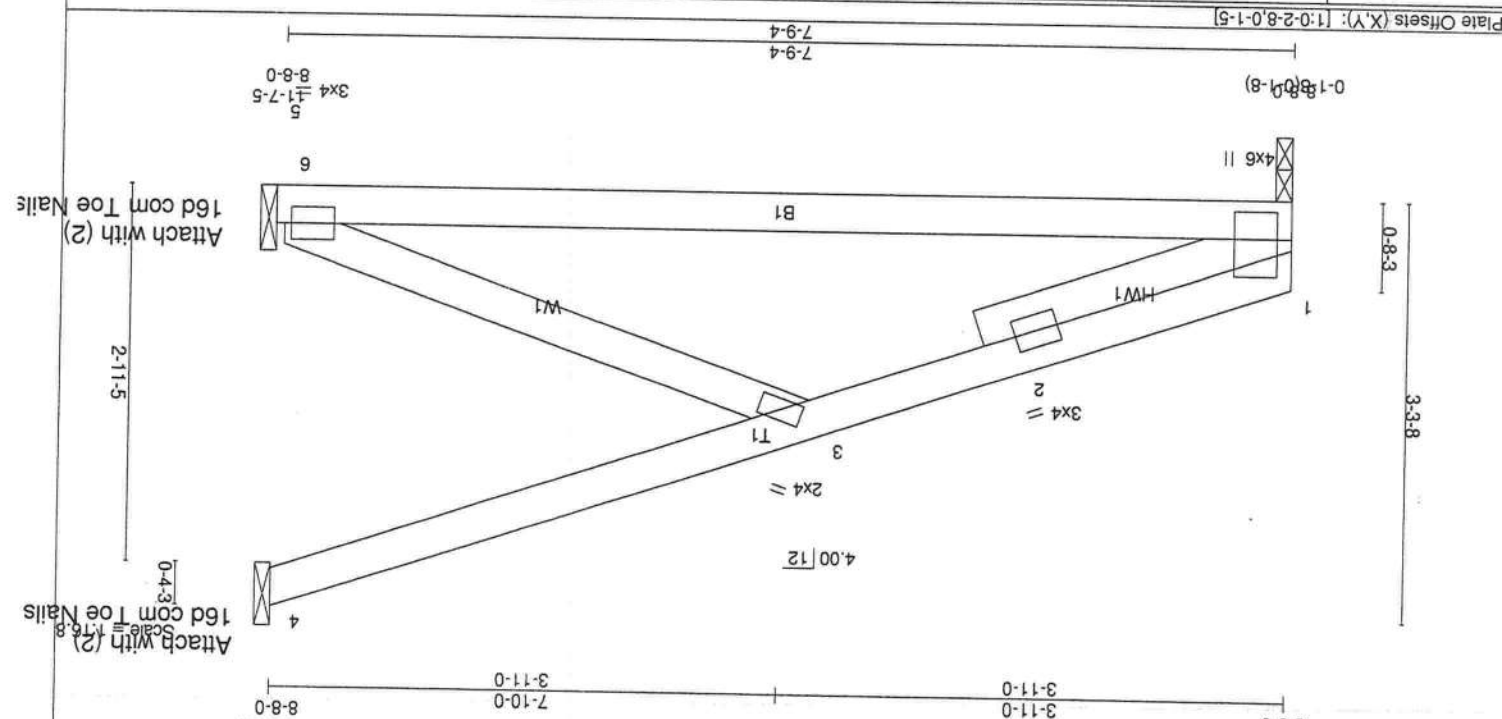
REACTIONS	FORCES	NOTES
(lb/size) 7=320/0-8-0, 4=256/0-1-8	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	(7)
Max Horiz 7=216(LC 4), 4=249(LC 4)		
Max Uplift 7=220(LC 4), 4=249(LC 4)		
TOP CHORD 2-8=-362/342		
BOT CHORD 7-9=-281/110, 4-9=-482/343		
WEBS 2-4=-364/511, 8-9=0/336		

- 1) Wind: ASCE 7-05: 140mph (3-second gust); TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; partially; MWFRS (low-rise) and C-C Interior(1) zone; cantilever left exposed; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; partially; MWFRS (low-rise) and C-C 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) Bearing at joint(s) & considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) except (ft=lb)
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (ft=lb)
- 7) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



APR 13 2010



LOADING (psi)	C/L	16.0	C/L	7.0	C/L	0.0	C/DL	10.0
SPACING	2-0-0	Plates Increase 1.25	Rep Stress Incr YES	Code FRC2007/TP12002	(Matrix-M)	CSI	DEFLL	in (loc)
	0.20	TC	0.34	B/C	WB	0.10	Horiz(TL)	0.01
	-0.07	Vent(LL)	-0.19	Vent(TL)	L/dell	n/a	L/d	180
	>999	6-9	>503	6-9	MT20	Weight: 34 lb	FT = 0%	
	GRIP	244/190						

TOP CHORD 2 X 4 SYP No.2
NOT CHORD 2 X 4 SYP No.2
WEBBS 2 X 4 SYP No.2
SLIDER Left 2 X 4 SYP No.2 2-6-0

REACTIONS

(lb/size) 1=256/0-1-8, 4=72/Mechanical, 6=187/Mechanical
Max Horiz 1=192(LC 4)
Max Uplift 1=-167(LC 4), 4=-127(LC 4), 6=-121(LC 4)
Max Grav 1=256(LC 1), 4=72(LC 1), 6=205(LC 2)

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

OP CHORD	1-2=-720/61, 2-3=-305/323
OT CHORD	1-6=-462/320
EBS	3-6=-345/497

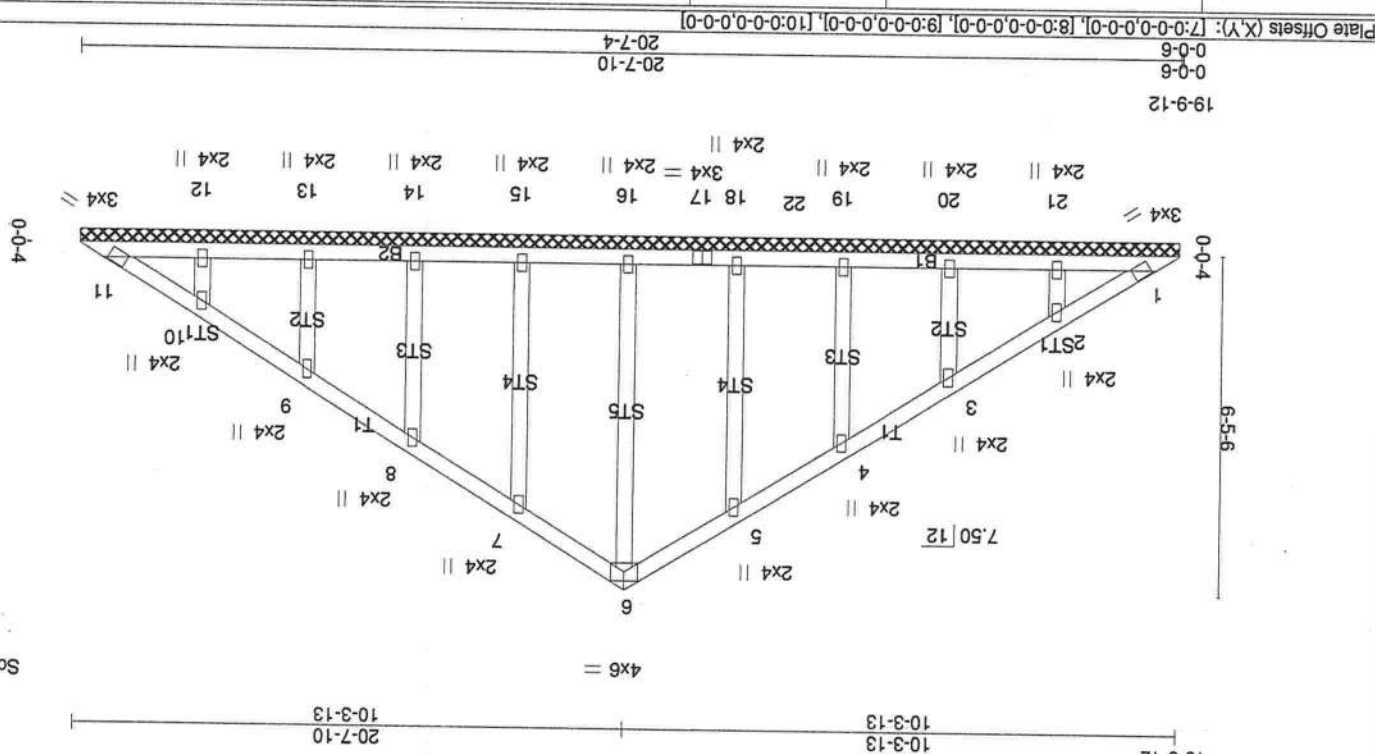
Notes (7)
Wind: ASCE 7-05: 140mph (3-second gust): TCDF=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; partially; MWFRS (low-rise) and C-C interior(1) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
* This truss has been designed for a 10.0 psf bottom chord 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 drawings for details.

This truss is also designed in accordance with the 2006 International Residential Code sections R502.1.1 and R802.10.2 and referenced standard ANSI/TPI 1.

AD CASE(S) Standard




 JUL 19 2010

[illegible]

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

REACTIONS All bearings 20-6-14.
(lb) - Max Horiz 1 = 345(LC 4)
Max Uplift All uplift 100 lb or less at joint(s) 1, 11 except 18 = 156(LC 6), 19 = -172(LC 6), 20 = -163(LC 6), 21 = -178(LC 6), 15 = -153(LC 7), 14 = -174(LC 7), 13 = -163(LC 7), 12 = -178(LC 7)
Max Gray All reactions 250 lb or less at joint(s) 1, 11, 16, 18, 19, 20, 21, 15, 14, 13, 12
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
1-2 = -300/209, 5-6 = -40/276, 6-7 = -40/271
OP CHORD

NOTES (7)

Unbalanced roof live loads have been considered for this design.

Wind: ASCE 7-05: 140mph (3-second gust), TCDF=4.2psf, BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) 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.

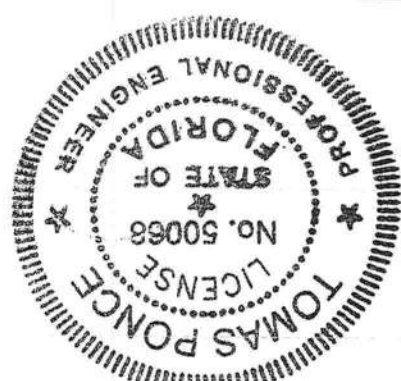
* This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

* 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, with BCDL = 10.0psf.

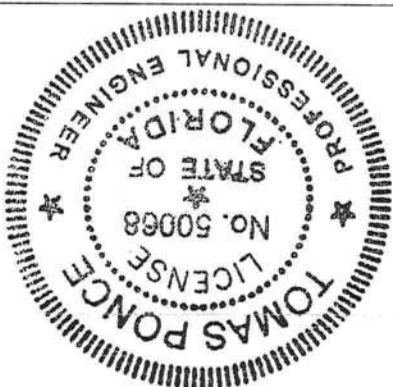
Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 11 except (11b) 18=156, 19=172, 20=163, 21=178, 15=153, 14=174, 13=163, 12=178.

This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R502.10.2 and referenced standard ANSI/TPI 1.

OAD CASE(S) Standard



6002 4 2 700



- 1) Unbraced roof live loads have been considered for this design.
- 2) ASD: ASDCE 7-05; 140mph (-3-second gust); TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DCL=1.60 plate grip DOL=1.60
- 3) Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 1.0, 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, 5 except (if=b) 8=194, 6=194.

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

Max Horiz t=129(LC 5)
All bearings 8-3-7.
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-194(LC 6), 6=-194(LC 7)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7, 8, 6

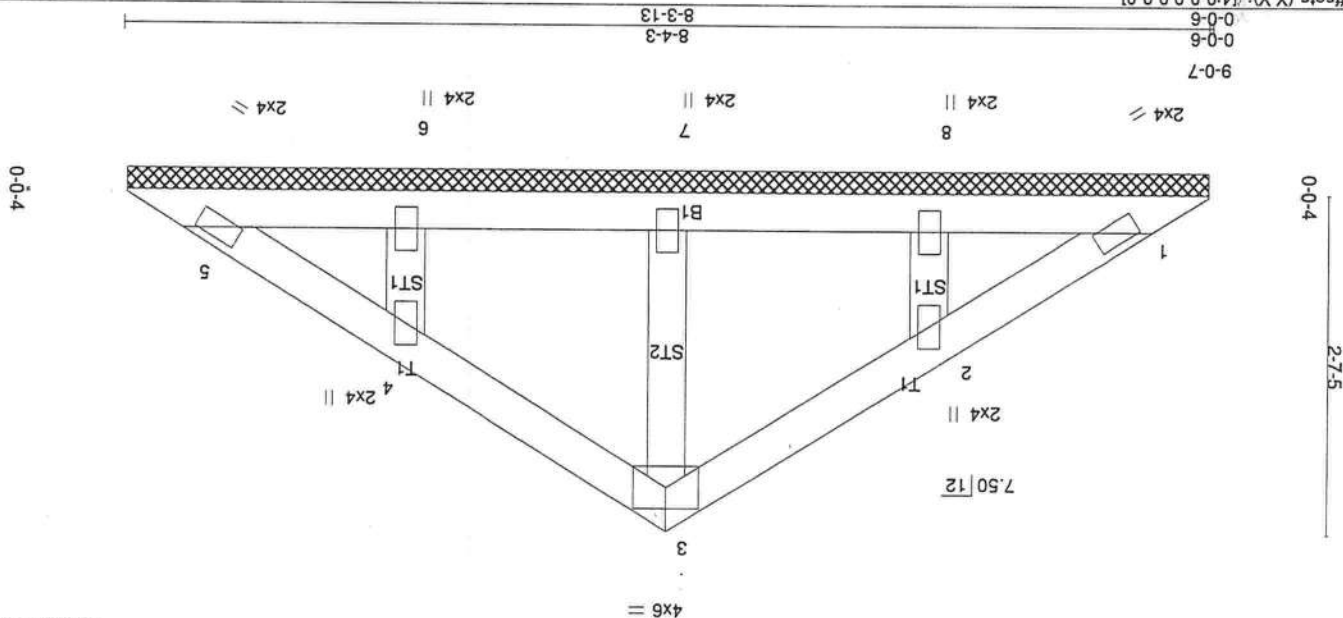
OTHERS 2 X 4 SYP No.3

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

Structural wood sheathing directly applied or 6-0-0 oc purlins, Rigid ceiling directly applied or 10-0-0 oc bracing:

[illegible]

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



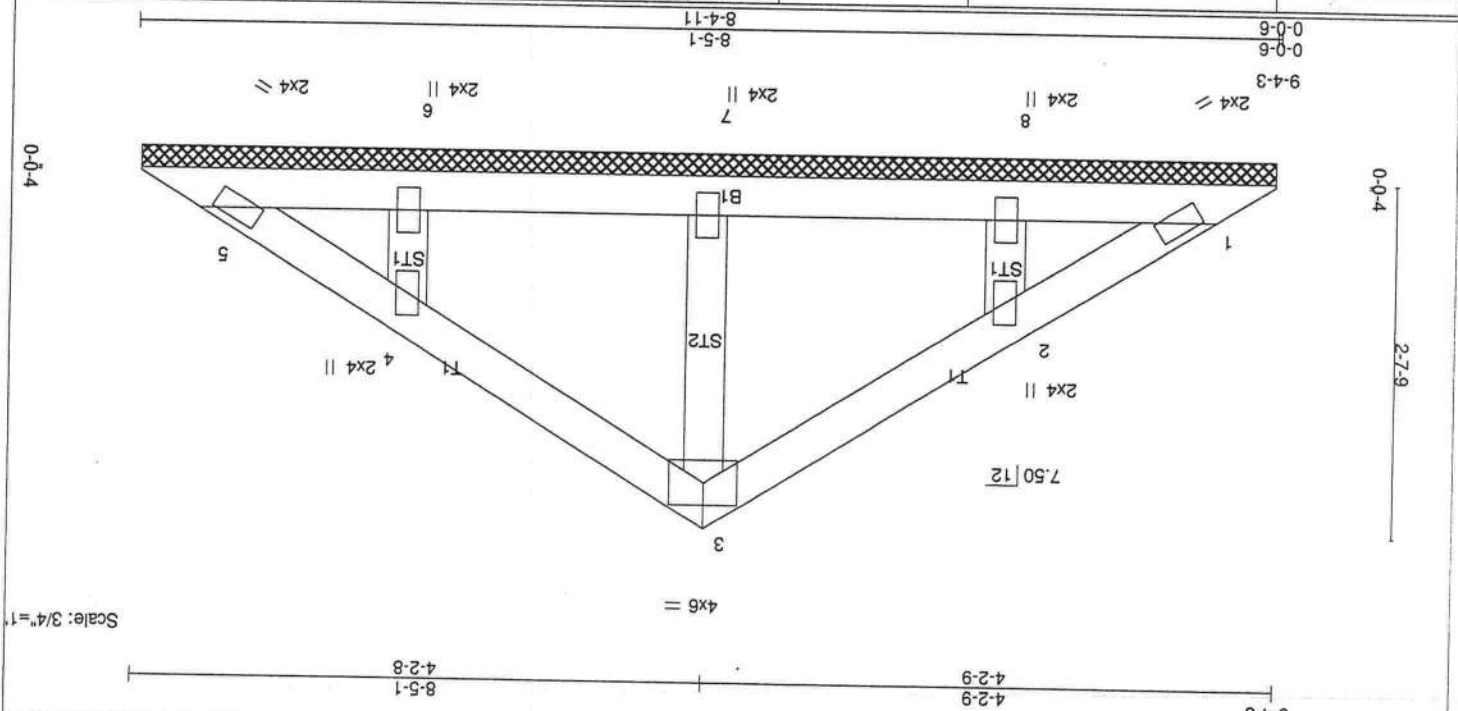
Scale = 1:16.7

Job	DASHWOOD	RG2X	GABLE	Qty	Ply	DASHWOOD_140_FLA_07	Job Reference (optional)
Truss			Truss Type				

Maronda Homes Inc., Sanford, FL

7.110 s Dec 15 2008 MITREK Industries, Inc. Thu Feb 12 11:42:55 2009 Page 1

Job	Truss	DASHWOOD	Maronda Homes Inc., Sanford, FL	7.230 s Apr 22 2010 M/Trek Industries, Inc. Mon Jul 19 09:18:25 2010 Page 1
	Truss Type	GABLE	City	1
			Ply	1
				DASHWOOD_FL_07



LOADING (psf)	SPACING	CSI	DEFL	BRACING	LUMBER
BCDL 10.0	Code FRC2007/TP12002	WB 0.08	Horz(TL) 0.00	TOP CHORD	TOP CHORD 2 X 4 SYP No.2
BCLL 0.0	Rep Stress Incr YES	BC 0.03	Vert(TL) n/a	BOT CHORD	BOT CHORD 2 X 4 SYP No.2
TCDL 7.0	Lumber Increase 1.25	TC 0.10	in (loc) n/a		OTHERS 2 X 4 SYP No.3
TCLL 16.0	Plates Increase 2-0-0		i/defl L/d 999		

Weight: 31 lb	Weight: 31 lb	Weight: 31 lb	Weight: 31 lb	Weight: 31 lb	Weight: 31 lb
MT20	MT20	MT20	MT20	MT20	MT20
GRIP	GRIP	GRIP	GRIP	GRIP	GRIP
244/190	244/190	244/190	244/190	244/190	244/190
FT = 0%	FT = 0%	FT = 0%	FT = 0%	FT = 0%	FT = 0%

REACTIONS	Max Horiz 1=130(LC 5)	Max Uplift 100 lb or less at joint(s) 1, 5, 7 except 6=-274(LC 7), 8=-274(LC 6)	Max Gray All reactions 250 lb or less at joint(s) 1, 5, 7, 8	WEBS	(lb) - Max. Comp/Max. Ten. - All forces 250 (lb) or less except when shown.
FORCES					

NOTES

(7) Unbalanced roof live loads have been considered for this design.

(2) Wind: ASCE 7-05; 140mph (3-second gust); TCCL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; partially; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip

(3) Gable requires continuous bottom chord bearing.

(4) This truss has been designed for a live load of 20.0psf on the 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, 5, 7 except (lb) 6=274, 8=274.

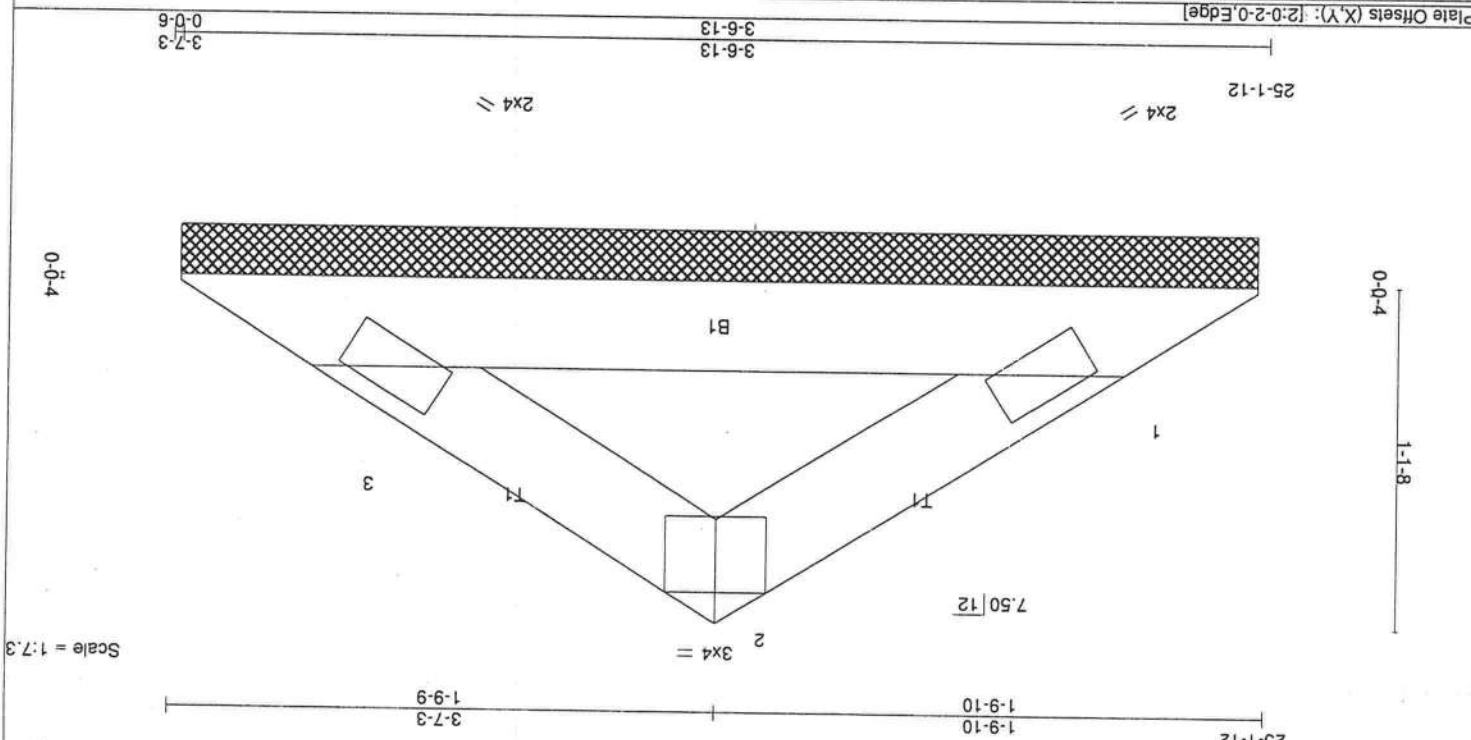
(7) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



JUL 19 2010

Job	DASHWOOD	Truss	VM1X	Truss Type	VALLEY	Qty	1	Ply	DASHWOOD_140_FLA_07	1	Job Reference (optional)
Maronda Homes Inc., Sanford, FL											7:110 s Dec 15 2008 Mittek Industries, Inc. Tue Feb 03 10:03:40 2009 Page 1



LOADING (psf)	SPACING	CSI	DEFL	in (loc)	L/d	999	999	MT20	GRIP	244/190	Weight: 10 lb
TCLL 16.0	Plates Increase 1.25	TC 0.04	Vert(TL) n/a	-	n/a	999	999	MT20	GRIP	244/190	
TCDL 7.0	Lumber Increase 1.25	BC 0.07	Horz(TL) 0.00	3	n/a	999	999				
BCLL 0.0	Rep Stress Incr YES	WB 0.00									
BCDL 10.0	Code FRC2007/TP12002										

LUMBER	TOP CHORD 2 X 4 SYP No.2	BRACING	TOP CHORD	Structural wood sheathing directly applied or 3-7-3 oc purlins.
REACTIONS	(lb/size) 1=85/0-1-8 (input: 3-6-7), 3=85/0-1-8 (input: 3-6-7)	BOT CHORD		Rigid ceiling directly applied or 10-0-0 oc bracing.
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=6.0psf; 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 32 lb uplift at joint 1 and 32 lb uplift at joint 3.

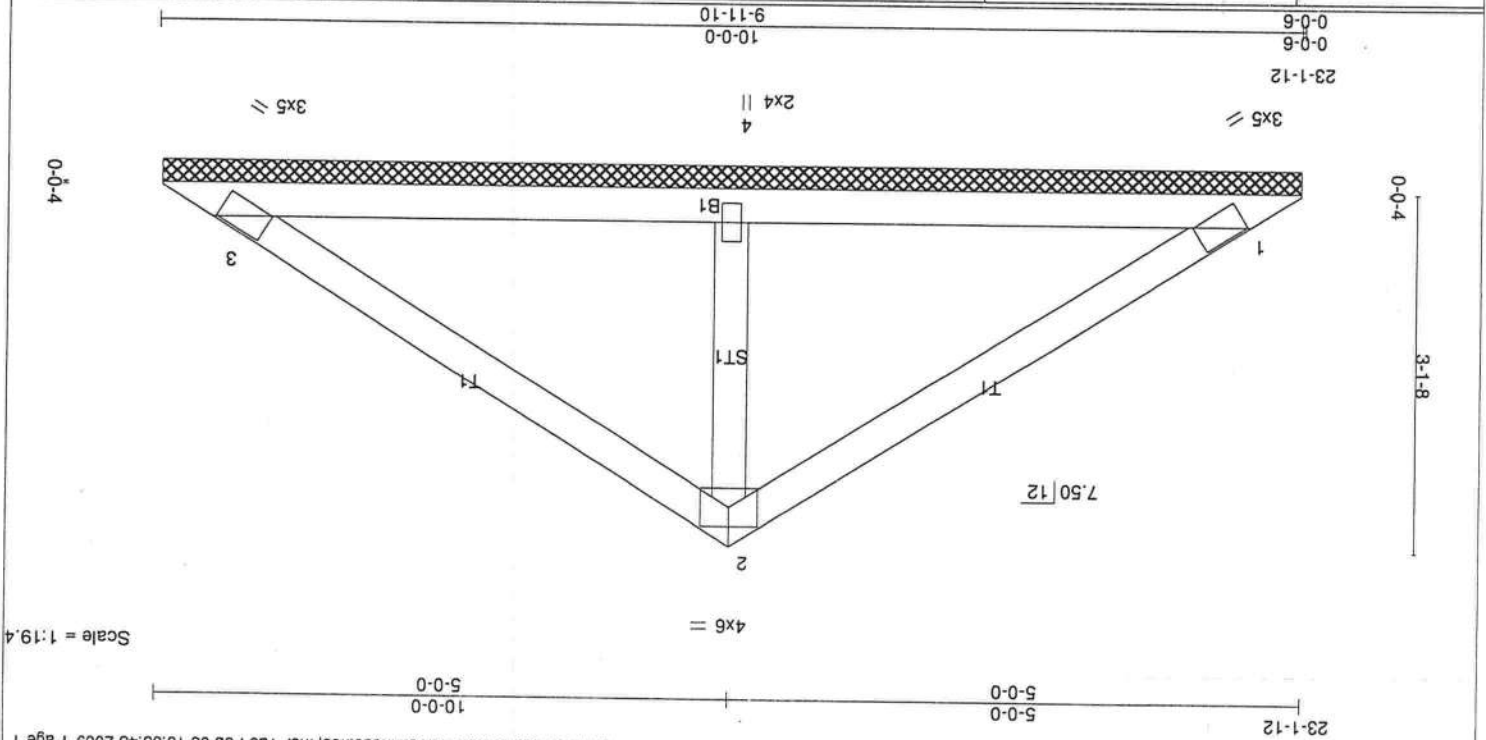
LOAD CASE(S) Standard



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FEB 19 2009

Job	DASHWOOD	Truss	VMAX	Truss Type	GABLE	Qty	1	Ply	1	DASHWOOD_140_FLA_07	Job Reference (optional)	7.110 s Dec 15 2008 Mittek Industries, Inc. Tue Feb 03 10:03:43 2009 Page 1
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LOADING (psf)	SPACING	CSI	DEFL	in (loc)	L/D	PLATES	GRIP	Weight: 34 lb
BCDL 10.0	2.0-0	TC 0.18	Vert(TL) n/a	0.00	999	MT20	244/190	
BCLL 0.0	Rep Stress Incr YES	WB 0.05	Horz(TL) n/a	0.00	999			
TCCL 16.0	Plates Increase 1.25	BC 0.13	Vert(TL) n/a	-	999			
TCCL 7.0	Lumber Increase 1.25	TC 0.18	Horz(TL) n/a	-	999			
BCDL 10.0	Code FRC2007/TP12002	WB 0.05	Horz(TL) n/a	0.00	999			

LUMBER	TOP CHORD	BOT CHORD	OTHERS	BRACING
2 X 4 SYP No.2	2 X 4 SYP No.2	2 X 4 SYP No.3		Structural wood sheathing directly applied or 6-0-0 oc purlins.
				Rigid ceiling directly applied or 10-0-0 oc bracing.

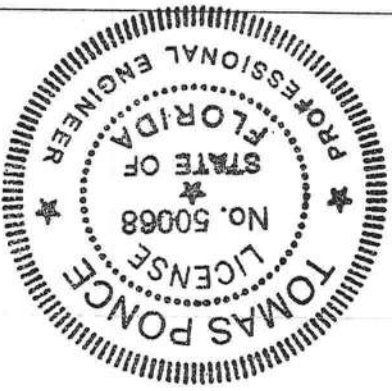
REACTIONS (lb/size): 1=135/0-1-8 (input: 9-11-4), 3=135/0-1-8 (input: 9-11-4), 4=324/0-1-8 (input: 9-11-4)
 Max Horiz 1=-126(LC 4)
 Max Uplift 1=-64(LC 6), 3=-74(LC 7), 4=-96(LC 6)
 Max Grav 1=136(LC 10), 3=136(LC 11), 4=324(LC 1)

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

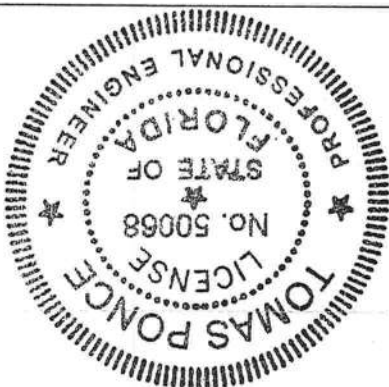
NOTES

1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-05; 140mph (3-second gust); TCDL=4.2psf; BCDL=6.0psf; 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 64 lb uplift at joint 1, 74 lb uplift at joint 3 and 96 lb uplift at joint 4.

LOAD CASE(S) Standard



FEB 19 2009



2) Wind: ASCE 7-05, 140mph (3-second gust); TCDF=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) and unenclosed roof live loads have been considered for this design.

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) or truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 7 except (11b) 8=181, 6=180.

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

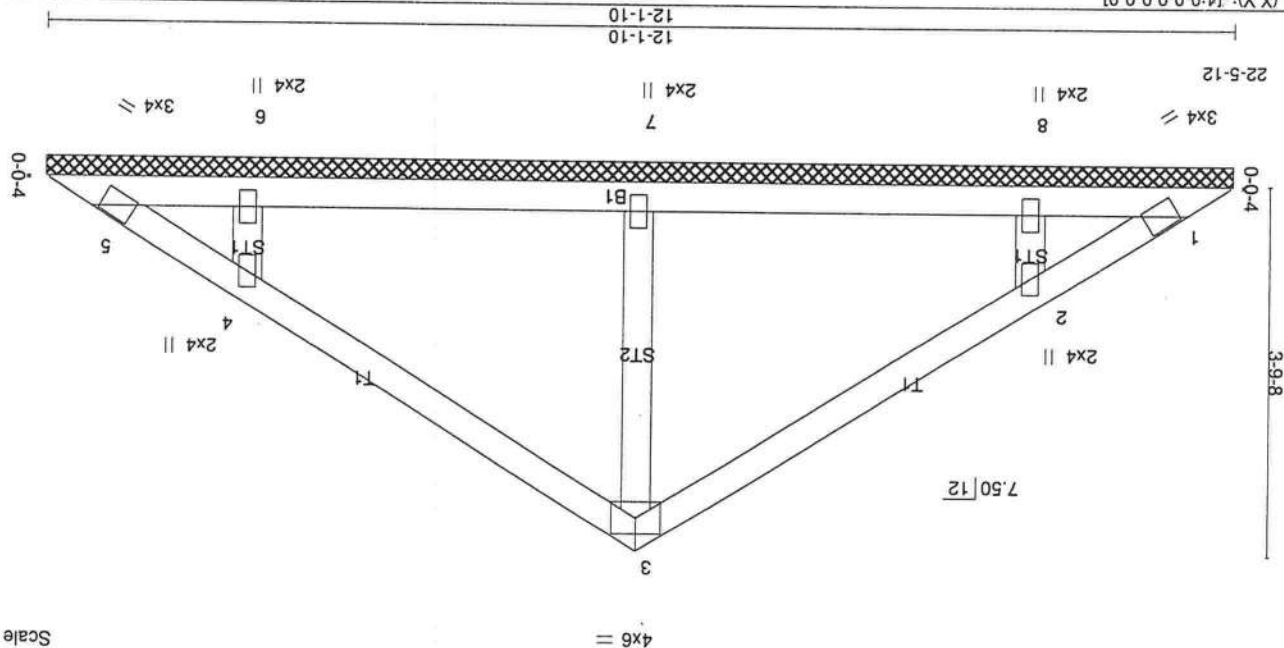
REACTIONS
(lb) - Max Horiz 1=-156(LC 4)
All bearings 12-1-10.
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 7 except 8=-181(LC 6), 6=-180(LC 7)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7, 8, 6

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

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

LOADING (psi)	18.0	TCLL	7.0	10.0	BCDL
SPACING	2-0-0	Plates Increase	1.25	TC	0.14
		Lumber Increase	1.25	BC	0.08
		Rep Stress Incr	YES	WB	0.07
		Code FRC2007/TP12002			
					(Matrix)
DEFL	in (loc)	Ver(LL)	n/a	0.00	5
	l/defl	Ver(TL)	n/a	n/a	n/a
		Horz(TL)	n/a	n/a	n/a
			999	999	999
			MT20	244/190	GRIP
			PLATES	Weight: 45 lb	

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



Scale = 1:22.7



(2) Wind: ASCE 7-05: 1.40mph (3-second gust); TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) and Unabridged roof live loads have been considered for this design.

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, 5, 7 except (ft=lb) 8=197, 6=197.

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-176/267, 4-6=-176/267

Max Gravit All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=251(LC 10), 6=251(LC 11)

(b) - Max Horiz = 186 (LC 5)

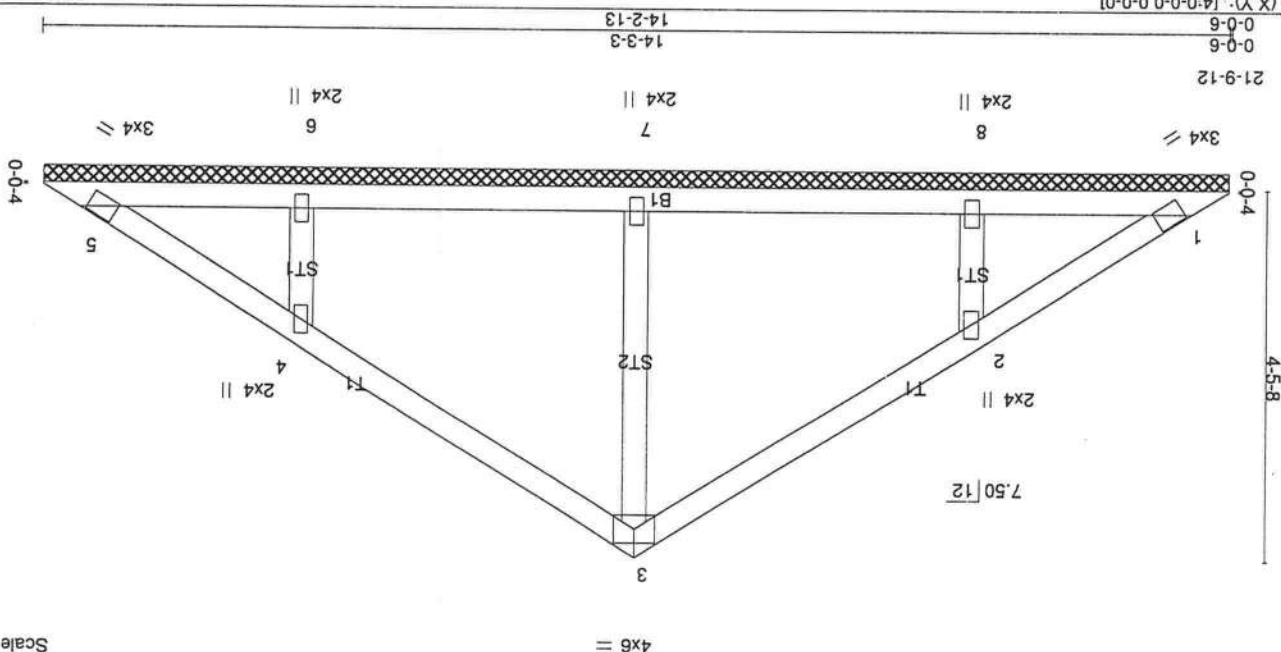
2 X 4 SYP No.3

BRACING
TOP CHORD
BOT CHORD

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

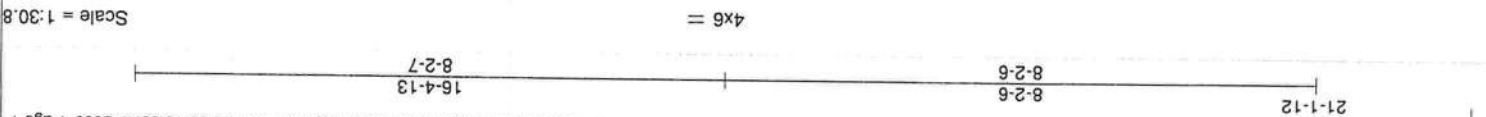
LOADING (psf)	16.0	TCLD	7.0	BCLD	10.0
SPACING	2-0-0	Plates Increase	1.25	Rep Stress Incr	YES
		Lumber Increase	1.25	Code FRCG2007/TP12002	
CSI	TC	0.13	WB	0.07	(Matrix)
	BC	0.08	Horz(TL)	n/a	0.00
	Ver(TL)	n/a	Ver(TL)	n/a	-
DEFL	In (loc)	l/defl	L/D	999	MT20
				999	GRIP
				244/190	Weight: 54 lb

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



Scale = 1:26.7

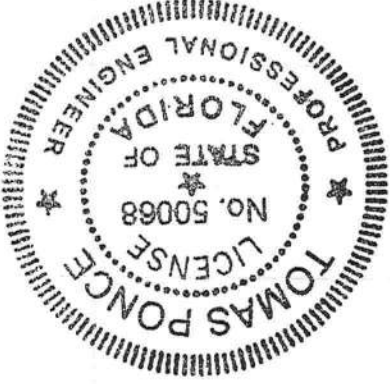
Job	DASHWOOD	Truss	VM7X	Truss Type	GABLE	Qty	1	Ply	DASHWOOD_140_FLA_07	Job Reference (optional)	7.110 s Dec 15 2008 Mittek Industries, Inc. Tue Feb 03 10:03:47 2009 Page 1
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LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/D	PLATES	GRIP	Weight: 64 lb
BCDL 10.0	Code FRC2007/TP12002	WB 0.07	Horz(TL)	0.00	5	n/a	MT20	244/190	
BCLL 0.0	Rep Stress Incr	BC 0.08	Vert(TL)	n/a	-	n/a			
TCDL 7.0	Lumber Increase	TC 0.12	Vert(LL)	n/a	-	n/a			
TCLL 16.0	Plates Increase								
	2.0-0								

REACTIONS	TOP CHORD	BRACING	Bot CHORD
TOP CHORD 2 X 4 SYP No.2	Structural wood sheathing directly applied or 6-0-0 oc purlins.		
OTHERS 2 X 4 SYP No.3	Rigid ceiling directly applied or 10-0-0 oc bracing.		

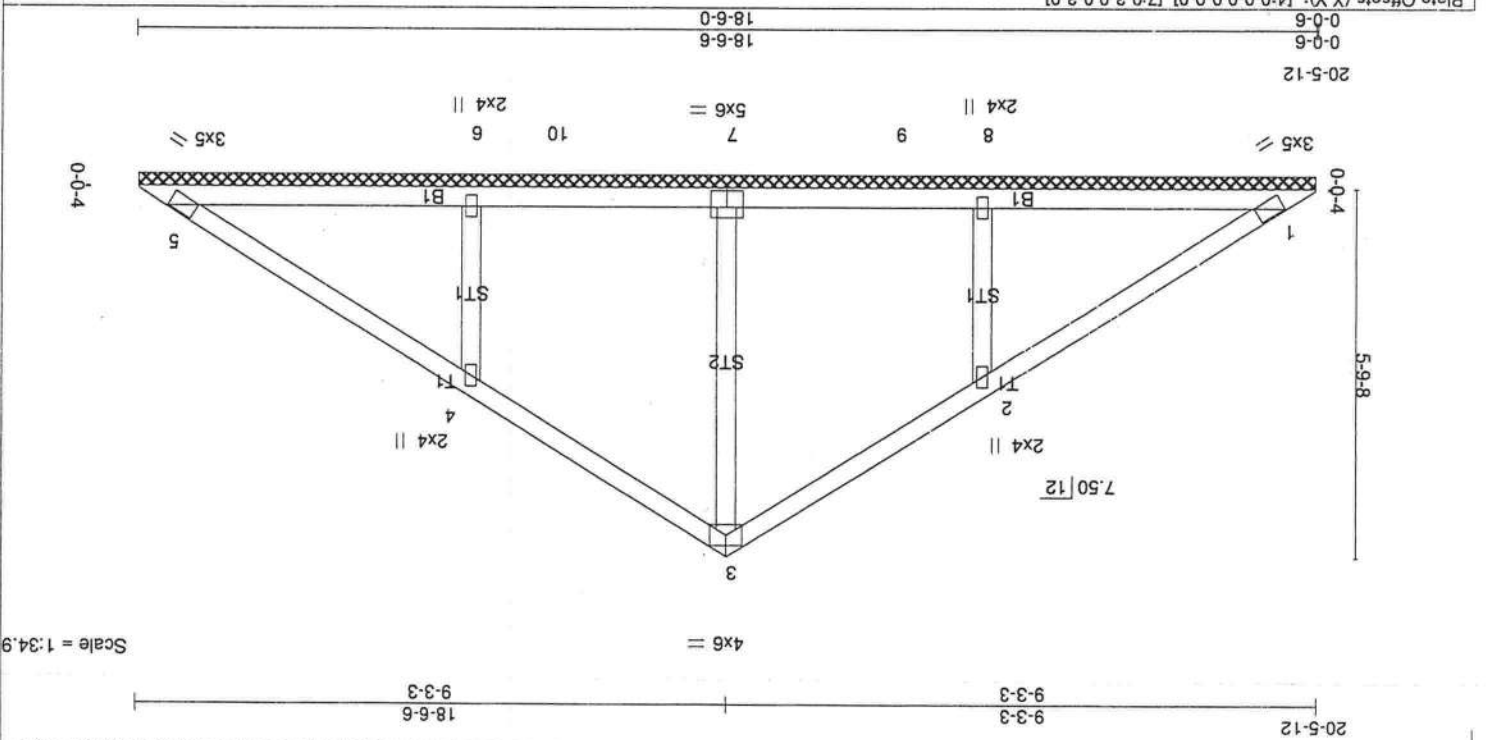
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-05; 140mph (3-second gust); TCDL=4.2psf; BCDL=6.0psf; 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) 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, with BCDL = 10.0psf.
 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (ft=lb) 8=231, 6=230.
 6) Non Standard bearing condition. Review required.
 LOAD CASE(S) Standard



FEB 19 2009

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Job	DASHWOOD	Truss	VM8X	Truss Type	GABLE	Qty	1	Ply	1	DASHWOOD_140_FLA_07	Job Reference (optional)
Maronda Homes Inc., Sanford, FL											7.110 s Dec 15 2008 Mittek Industries, Inc. Tue Feb 03 10:03:48 2009 Page 1



LOADING (psf)	SPACING	CSI	DEFL	in (loc)	I/defl	L/D	PLATES	GRIP	Weight: 74 lb
BCDL 10.0	Code FRC2007/TP12002	WB 0.09	Horz(TL)	0.00	5	n/a	MT20	244/190	
BCLL 0.0	Rep Stress Incr	BC 0.16	Vert(TL)	n/a	-	n/a			
TCDL 7.0	Lumber Increase	TC 0.17	Vert(LL)	n/a	-	n/a			
TCLL 16.0	Plates Increase								
	2-0-0								

LUMBER	BRACING	REACTIONS	FORCES	NOTES
TOP CHORD 2 X 4 SYP No.2	TOP CHORD	All bearings 18-5-10.	Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-273(LC 6), 6=-272(LC 7)	1) Unbalanced roof live loads have been considered for this design.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD	Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=355(LC 1), 8=374(LC 10), 6=374(LC 11)		2) Wind: ASCE 7-05: 140mph (3-second gust); TCCL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B: enclosed; MWFRRS (low-rise) and
OTHERS 2 X 4 SYP No.3				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, with BCDL = 10.0psf.
				6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (ft=lb) 8-273, 6-272.

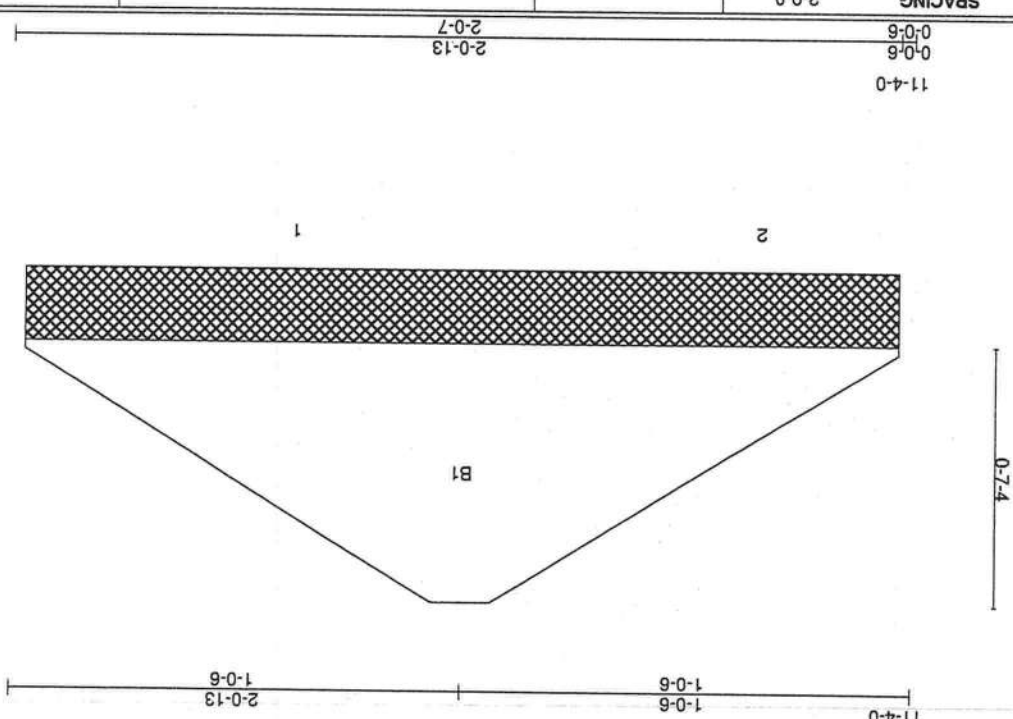
LOAD CASE(S)	Standard
8-273, 6-272.	



FEB 19 2009

Job	Truss	VM12X	Truss Type	VALLEY	Qty	1	Ply	DASHWOOD_FLA_07	Job Reference (optional)	Maronda Homes Inc., Sanford, FL
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Scale = 1:5.0



LOADING (psf)	SPACING	CSI	DEFL	BRACING	Weight: 6 lb
TCLL 16.0	Plates Increase 0.90	TC 0.00	in (loc)	DEFL	PLATES GRIP
TCDL 7.0	Plt. Metal Increase 0.90	BC 0.00	n/a	Vert(TL)	
BCLL 0.0	Lumber Increase 0.90	WB 0.00	-	Vert(TL)	
BCDL 10.0	Rep Stress Incr YES	(Matrix)	0.00	Horz(TL)	

LUMBER BOT CHORD 2 X 8 SYP No.2

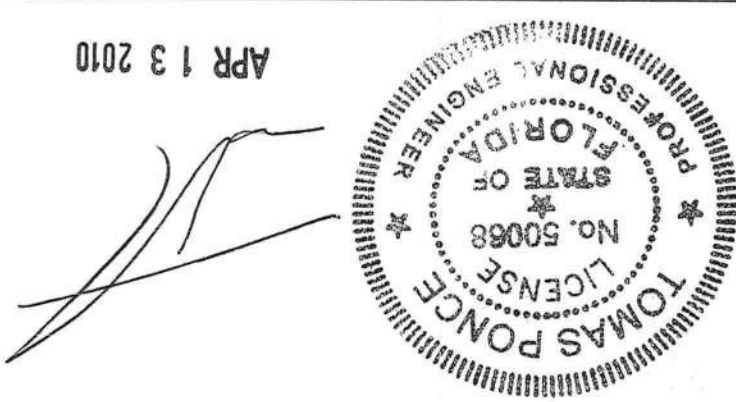
REACTIONS (lb/size) 2=11/2-0-1, 1=11/2-0-1
Max Grav 2=21(LC 2), 1=21(LC 2)

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

NOTES (4)

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.
4) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



APR 13 2010

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x4 M120 unless otherwise indicated.
- 3) Recommended 2x6 strongbacks, on edge, spaced at 10'-0" oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 4) CAUTION. Do not erect truss backwards.
- 5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2160 lb down at 0-2'-4" and 2160 lb down at 39'-7-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

1) Unbalanced floor live loads have been considered for this design.

TOP CHORD
 47-44=-3070/0, 1-448=-3066/0, 23-42=-3060/0, 1-22=-982/0, 1-2=-2255/0,
 9-14=-3006/0, 4-45=-3262/0, 5-6=-3180/6, 6-7=-2787/1321, 7-8=-1850/797, 8-9=-4222/1405,
 9-10=-2291/4405, 10-11=-0/22882, 11-15=-16-2742/422, 16-17=-319/1166, 17-18=-3199/0, 18-19=-3199/0,
 19-20=-2958/0, 20-21=-2227/0, 21-22=-44-0/3261, 42-44=-0/3261, 43-44=-0/3261, 44-45=-0/3261,
 45-46=-0/1749, 44-45=-0/22735, 43-44=-0/3261, 42-44=-0/3261, 41-42=-61/13180,
 40-41=-61/3790, 39-40=-61/3180, 38-39=-54/9212, 37-38=-1076/1264, 36-37=-1913/0,
 35-36=-41/1790, 34-35=-2847/0, 33-34=-1527/552, 32-33=-1527/552, 31-32=-902/1944,
 30-31=-4222/2827, 29-30=-1663/119, 28-29=-1663/119, 27-28=-1663/119, 26-27=-0/3202,
 25-26=-2699, 24-25=-0/1729
 WEBS
 5-41=-0/4390, 6-40=-0/430, 11-35=-1419/0, 16-22=-699/0, 17-28=-420/0, 14-6=0/1155,
 2-46=-1103/0, 2-45=-0/729, 3-45=-692/0, 3-44=-35/390, 4-44=-367/59, 4-42=-320/85,
 5-42=-35/585, 11-36=0/1776, 13-36=-1683/0, 17-37=0/1317, 8-38=-0/985,
 13-39=0/734, 6-39=-932/0, 12-33=-1842/0, 12-34=0/1512, 13-34=-1490/0,
 11-56, 14-22=-1125/0, 14-31=0/780, 15-31=-739/0, 15-30=-0/607, 16-30=-1021/0,
 22-24=-0/1141, 18-24=-1090/0, 21-25=-0/717, 17-27=-0/584,
 19-26=-350/83, 19-27=-352/67, 17-27=-0/584

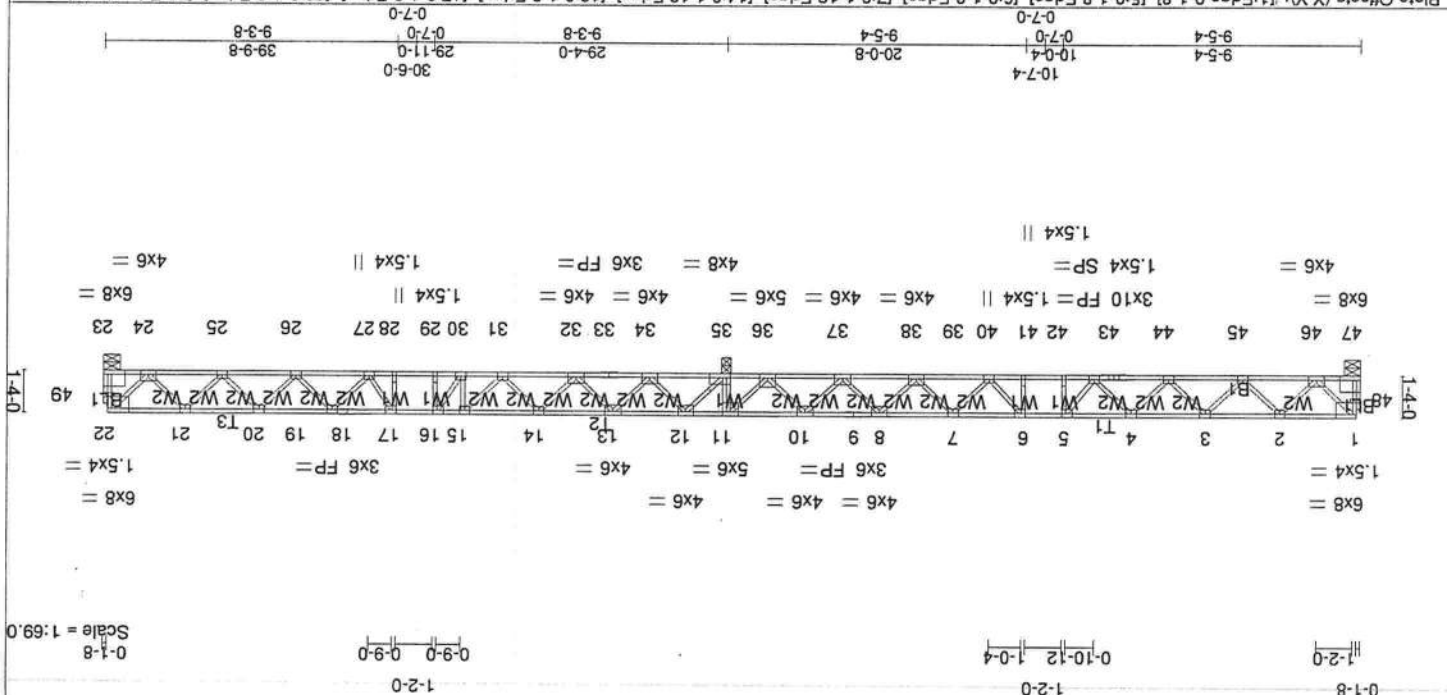
HEACTIONS (b/size) 47=2285/0-1-9(input: 0-6-6), 23=2265/0-1-8(input: 0-6-6), 35=2707/0-1-8(input: 0-3-8) Max Grav 47=3074/LC 2, 23=3064/LC 3, 35=2707/LC 1)

WEBS
BT: 4 X 2 SYP No.2
4 X 2 SYP No.3

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

[illegible]

[31:0-1-12,Edge], [35:0-3-0,Edge], [39:0-1-12,Edge], [47:Edge,0-1-8], [48:0-1-8,0-0-8], [49:0-1-8,0-0-8]





LOAD CASE(S) Standard

Maronda Homes, Inc., Pittsburgh, PA

ELEV_M_V	FA
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FLOOR

61

1

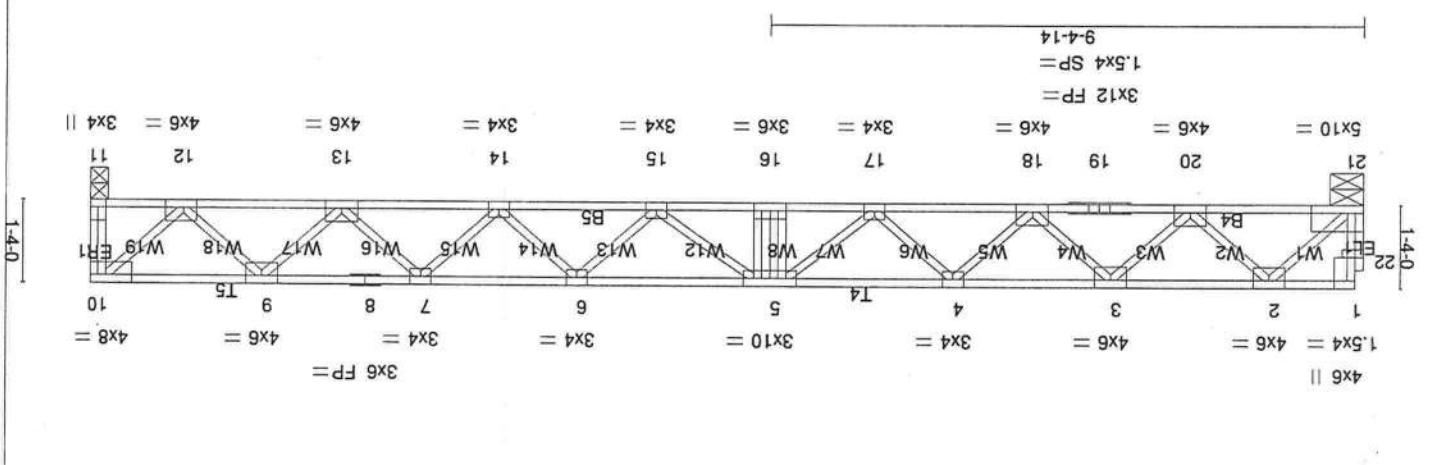
1	ALL ELEV
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Job Reference (optional)
c 15 2008 Mittek Industrie

1.1105 Dec 15 2008 Milk Industries, Inc. Fri Feb 06 09:55:34 2009 Page 2

Job	ELEV_M_V	Truss	FB	FLOOR	1	Job Reference (optional)
					1	7.110 s Dec 15 2008 Mittek Industries, Inc. Thu Feb 12 07:28:35 2009 Page 1

0-1-8 H 1-3-0 1-4-14 1-6-6 Scale = 1:34.5



LOADING (psf)	SPACING	CSI	DEFL	BRACING	REACTONS	FORCES	TOP CHORD	BOT CHORD	WEBS	NOTES
BCDL 5.0	Code FRC2007/TFP12002	WB 0.66	Horz(TL) 0.10	Structural wood sheathing directly applied or 4-10-10 oc purlins, except end verticals.	11=1196/0-1-8 (input: 0-3-8), 21=3350/0-1-11 (input: 0-6-6)	9-12=-1530/0, 9-13=0/1107, 7-13=-1070/0, 7-14=0/741, 6-14=-706/0, 6-15=0/300, 5-15=-330/0	21-22=-2199/0, 1-22=-2196/0, 10-11=-1189/0, 2-3=-2368/0, 3-4=-3962/0, 4-5=-4972/0, 5-6=-5154/0, 6-7=-4431/0	20-21=0/1412, 19-20=0/3295, 17-18=0/4605, 16-17=0/5427, 15-16=0/5427, 14-15=0/4938, 13-14=0/3898	10-12=0/1641, 2-21=-1729/0, 2-20=0/1330, 3-20=-1289/0, 3-18=0/928, 4-18=-894/0, 4-17=0/510, 5-17=-563/0	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) CAUTION, Do not erect truss backwards. 3) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2160 lb down at 0-2-4, and 200 lb down at 9-4-14 on top chord. The design/selection of such connection device(s) is the responsibility of others. 4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

PLATES MT20 GRIP 244/190 Weight: 110 lb

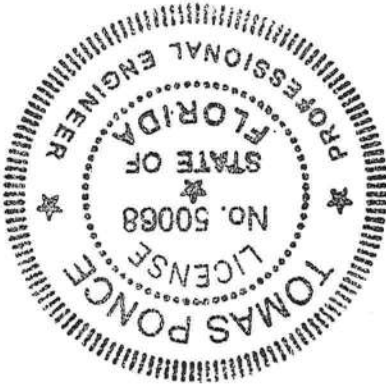
1) Floor: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (psf)
Vert: 11-21=-10, 1-10=-100
Concentrated Loads (lb)
Vert: 1=-2160(F) 5=-200(F)

FEB 19 2009

TOMAS PONCH
LICENSED PROFESSIONAL ENGINEER
STATE OF FLORIDA
No. 50068

FEB 19 2009

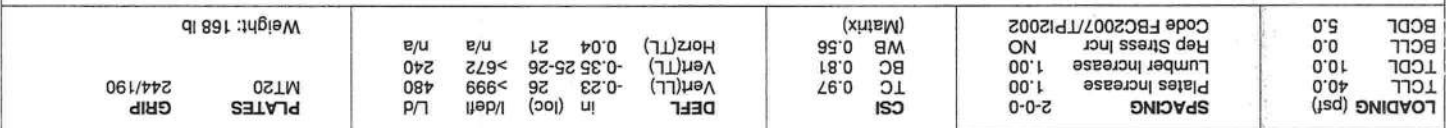
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LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 25-48=-10, 1-24=-100
Concentrated Loads (lb)
Vert: 1=-2160(F) 24=-2160(F) 8=-130(F)

Job	Truss	FLOOR	Qty	1	1	ALL ELEV	Job Reference (optional)
ELEV_M.V	FD						

Maronda Homes, Inc, Pittsburgh, PA 7.110 s Dec 15 2008 Mittek Industries, Inc. Thu Feb 12 07:28:39 2009 Page 2



REACTIONS (lb/size) 41=232/Mechanical, 21=3056/0-1-8 (input: 0-6-6), 33=2145/0-1-8 (input: 0-3-8)
Max Up/1141=-144(LC 3)
Max Grav41=439(LC 2), 21=3072(LC 3), 33=2145(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 1-41=-434/147, 21-42=-3068/0, 20-42=-3064/0, 1-2=-381/142 2-3=-572/352, TOP CHORD

19-20=-980/0
39-40=-142/381, 38-39=-551/758, 37-38=-908/666, 36-37=-908/666, 35-36=-908/666,
34-35=-1656/122, 33-34=-271/3/0, 32-33=-1474/0, 31-32=-99/653, 30-31=0/2030,

7-34=-1019/0, 7-35=0/708, 5-35=-969/0, 9-33=-1721/0, 9-32=0/1390, 10-32=-1363/0, 10-31=0/1029, 12-31=-997/0, 12-29=0/656, 13-29=-625/0, 13-28=0/467, 14-28=-757/0, 20-22=0/1151, 18-22=-1100/0, 19-23=0/730, 18-23=-694/0, 18-24=0/373, 17-24=-346/0

NOTES

1) Unbalanced floor live loads have been considered for this design.

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) 216

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

FEB 19 2009



Maronda Homes Inc.
6800 Southpoint Pkwy
Suite 300
Jacksonville, FL 32216
(904) 296-1490 ph
(904) 332-6367 fax

To the Building Department:

HomeTeam Pest Defense has contracted with Maronda Homes to perform all their pretreatments. The method we will be using is Bora care. This is done at frame stage. We will post a sticker and the proper paperwork in the construction box on each home stating we will do Bora care. At frame stage we will perform the treatment and post that the work has been completed. Based on the label and the state regulations this is also the final treatment.

Sincerely,

A handwritten signature in black ink, appearing to read 'Corey Saunders', written over a horizontal line.

Corey Saunders
Builder Service Manager
Cell phone 352-427-6441 or 352-368-3845



LOT 36 TIMBERLANDS

438 SW MULBERRY DR.
LAKE CITY FL 32024

BORA-CARE®**Termiticide, Insecticide, and Fungicide Concentrate**

A PRODUCT OF NISUS CORPORATION

For the Prevention and Control of:

TERMITES, CARPENTER ANTS, WOOD DESTROYING BEETLES, and DECAY FUNGI

FOR BOTH INTERIOR AND EXTERIOR USE

For use in and around Homes, Apartments, Garages, Museums, Public and Private Institutions, Schools, Hotels, Hospitals, Kennels, Stables, Farm Buildings, Trucks, Trailers, Warehouses, Supermarkets, Restaurants, and Food Processing Plants.

Authorized by the USDA for use on Non-Food Contact Surfaces in Edible Product Areas of Official Establishments Operating under the Meat, Poultry, Shell Egg Grading and Egg Products Inspection Programs.

ACTIVE INGREDIENT:Disodium Octaborate Tetrahydrate ($\text{Na}_2\text{B}_8\text{O}_{13} \cdot 4\text{H}_2\text{O}$):..... 40.0%**INERT INGREDIENTS:**..... 60.0%

Density: 11.51 pounds per gallon

EPA Reg. No. 64405-1

EPA Est. 64405-TN-1

U.S. Patent Nos. 5,104,664 5,296,240 5,460,816 5,645,828

KEEP OUT OF REACH OF CHILDREN
CAUTION

PRECAUTIONARY STATEMENTS**Hazards To Humans & Domestic Animals**

CAUTION: Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

Statement of Practical Treatment

If Inhaled: Remove victim to fresh air. Apply artificial respiration if indicated. Contact a physician if warranted. **If In Eyes:** Flush with plenty of water. Get medical attention if irritation persists.
If On Skin: Wash with plenty of soap and water. Get medical attention.

IN CASE OF A MEDICAL EMERGENCY involving this product call (800) 424-9300 or your local Poison Control Center.

Environmental Hazards

BORA-CARE® solutions carelessly spilled or applied to cropland or growing plants including trees and shrubs may kill or seriously retard plant growth. Cover plants and nearby soil with plastic to avoid contamination. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

NOTICE

Read and understand the entire label before using. Use only according to label directions.

Before buying or using this product, read "WARRANTY LIMITATIONS AND DISCLAIMER" statement found elsewhere on this label. If terms are unacceptable, return unopened package to seller for full refund of purchase price. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under WARRANTY LIMITATIONS AND DISCLAIMER.

BORA-CARE® should be applied only to bare wood, plywood, particle board and other cellulosic materials where an intact water repellent barrier such as paint, stain, or a sealer is not present.

The use of this product in food processing establishments should be confined to time periods when the plant is not in operation. Foods should be removed or covered during treatment. All food processing surfaces should be covered during treatment or thoroughly cleaned before using. After treatment in food processing plants, thoroughly wash all equipment, benches, shelving, etc. where exposed food will be handled, with an effective cleaning compound and rinse with potable water.

When spraying overhead interior areas of homes, apartment buildings, etc. cover or protect all surfaces below the area being sprayed with plastic sheeting or other material which can be disposed of if contamination from dripping occurs. Do not apply in food serving areas while food is exposed.

BORA-CARE® is NOT a soil termiticide and should not be used directly to treat the soil.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store in a dry place. Do not store where children or animals may gain access. Do not freeze.

PESTICIDE DISPOSAL: Do not contaminate water when disposing of equipment washwaters. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local

authorities, by burning. If burned, stay out of smoke.

CLEANUP: Use soap and water to clean up tools.

SAFE HANDLING PROCEDURES

Applicators and other handlers must wear long-sleeved shirt and long pants, socks, shoes, chemical-resistant gloves, and protective eyewear. When applying BORA-CARE® in confined spaces, it is recommended that ventilation or an exhaust system be provided. If this is impractical, the use of a NIOSH approved respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approved prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE prefilter is recommended. Spills and over-spray may be cleaned with a damp cloth or absorbed with appropriate materials. (Refer to the BORA-CARE® Material Safety Data Sheet for additional health and safety information.)

I. MIXING INSTRUCTIONS

BORA-CARE® is a concentrate which must be diluted with clean water before use. The use of warm or hot water, if available, and an impeller type mixer which can be used with an electric drill aids the dilution process.

A. Hand Sprayers: Mix in a clean container and stir the solution until completely uniform. Always mix in a separate container then add the solution to a spray tank. Mixing BORA-CARE® directly in a spray tank can block hoses and nozzles.

B. High Volume Pumping Systems: Add all of the dilution water to tank, start recirculator, then slowly add BORA-CARE® concentrate. Allow to mix until uniform.

Use 1:1 and 2:1 BORA-CARE® solutions within 24 hours after mixing. 5:1-solutions will remain stable for up to 30 days. Do not leave unused solution under pressure or in tank overnight. Clean and/or flush equipment and lines with water after use.

BORA-CARE® may be tank-mixed with an approved non-residual pesticide for quicker knock-down of carpenter ants and other insects.

II. DILUTION RATIOS by volume.

TABLE A.

Target Pests	Dilution Ratios	Water to BORA-CARE®	Application Notes
All Insects and Decay Fungi	1:1		Spray, Injection, Brush, Roller.
Subterranean and Formosan Termites	1:1 or 2:1		2:1 dilution ratio may be used for foaming
Drywood Termites	1:1 or 2:1		
Anobid and Lyctid Powderpost Beetles	1:1 or 2:1		Use a 2:1 dilution ratio for treating hardwood floors. Logs require a 1:1 ratio.
All other beetle species	1:1		
Carpenter Ants	1:1 or 2:1		
Decay Fungi	1:1 or 2:1		Use a 1:1 dilution ratio on wood members 2" thick or greater.
Drywood Termites. Powderpost	5:1		Two (2) applications required for

Beetles and Decay Fungi
surface spray. For prevention only.

TABLE B.

Application Notes			
Dilution Ratios	Water to	BORA-CARE®	Application Notes
Logs, Large Beams and Dimensional Lumber	1:1	All Insects & Decay Fungi.	
Preventative Treatment of Dimensional Lumber			
Decking, Fences and Plywood	2:1	Use on wood members 2" in thickness or less.	
Prevention of Powderpost Beetles and Drywood Termites	5:1	For prevention only.	
Logs, Large Beams and Dimensional Lumber	5:1	Dip treatment only.	

III. GENERAL INFORMATION

BORA-CARE® is an innovative termiticide, insecticide and fungicide that eliminates existing infestations and provides long term protection against:

- Subterranean Termites: Reticulitermes, Heterotermes
- Formosan Termites: Coptotermes
- Dampwood Termites: Zootermeopsis, Neoterme
- Drywood Termites: Kalotermeas, Incisitermes
- Powderpost Beetles: Lyctidae, Bostrichidae
- Anobiid Beetles: Anobiidae
- Old House Borers, Longhorn Beetles: Cerambycidae, Hylotrupes
- Ambrosia Beetles: Platypodidae, Scolytidae
- Carpenter Ants: Camponotus
- Brown Rot, White Rot, and Wood Decay Fungi

BORA-CARE® can be used on all cellulosic materials including wood, plywood, particle board, paper, oriented strand board (OSB), cardboard and wood composite structural components.

In areas where a soil treatment/barrier termiticide treatment is required by law, BORA-CARE® should be applied as a supplemental pretreatment to protect wood from subterranean termites that may penetrate chemical gaps occurring in termiticide-treated soil.

As a remedial treatment, BORA-CARE® will both eliminate and prevent infestations of Formosan, subterranean and drywood termites, wood boring beetles, carpenter ants and decay fungi. It may also be used as a supplement or alternative to fumigation in order to provide long term residual control.

Since BORA-CARE® is applied directly to the wood, it can be used in areas where environmental contamination is of concern (nearby wells, cisterns, etc.). The active ingredient in BORA-CARE® is an

inorganic salt and once in place, it will not decompose or volatilize out of the wood. Treatment is long lasting as long as the treated material is not exposed to rain, continuous water or ground contact.

Older wood boring beetle larvae (particularly Old House Borers) already present in the wood at the time of treatment may occasionally emerge sometime after treatment. This will not occur frequently enough to cause structural damage to any wooden member.

IV. REMEDIAL TREATMENT FOR THE CONTROL OF SUBTERRANEAN, FORMOSAN, DRYWOOD AND DAMPWOOD TERMITES, CARPENTER ANTS, OLD HOUSE BORERS, POWDERPOST AND OTHER WOOD BORING BEETLES AND WOOD DECAY FUNGI

A. Infested wood can be treated by spraying and/or injecting BORA-CARE® solution into beetle holes, termite and carpenter ant galleries and decay pockets. Apply one (1) coat of BORA-CARE® solution to the point of wetness to all infested and susceptible wood, paying particular attention to infested areas. Two (2) coats of BORA-CARE® solution need only be applied to those wood members with only one (1) or two (2) exposed sides. For quicker control, apply an additional coat onto heavily infested areas waiting at least 20 minutes between applications.

In cases where the infestation is not accessible from the surface, small holes may be drilled into the wood in order to gain access to the infested area. Inject enough diluted solution to completely flood galleries or voids. Adjacent intact wood may be treated by pressure injecting BORA-CARE® into holes drilled into the wood at eight (8) to ten (10) inch intervals. Inject at 40 psi for four (4) to six (6) seconds per hole.

For treating infested wall voids, refer to Sections IV. E. and F.

B. Basements and crawl spaces may be treated by applying one (1) coat of diluted BORA-CARE® solution to the point of wetness to all infested and susceptible wood surfaces including sill plates, piers, girders, subfloors, floor joists and any wood exposed to vertical access from the soil. On wood where access is limited to one (1) or two (2) sides of wood members, such as sills and plates on foundation walls, apply two (2) coats of BORA-CARE® solution. Wait at least 20 minutes between applications. Apply at a rate of approximately one (1) gallon of BORA-CARE® solution per 200 square feet of floor area (400 square feet of wood surface area).

C. Buildings on slabs may be treated by applying BORA-CARE® solution into wall voids by locating each stud and drilling a small hole through the wall covering to gain access to the infested area. Drill holes adjacent to the side of each stud every 18-24 inches along its length and inject at least 1/3 fluid ounce of BORA-CARE® solution per hole. Drill at least one hole per stud bay near the floor in order to treat the base plate in each void. Treat entire wall areas as opposed to single stud bays in order to include the infested area completely within the treatment zone.

D. Wood flooring can be treated by spray, brush or roller application. It will be necessary to remove any existing finish by complete coarse sanding or stripping prior to application. Apply a two (2) parts water to one (1) part BORA-CARE® (2:1) solution at a rate of approximately one (1) gallon of solution per 500 square feet of floor surface. For treating infestations of subterranean or Formosan termites, two (2) coats may be required, waiting at least one (1) hour between applications. Allow floor to completely dry (typically 48 to 72 hours). Moisture content must be 10% or less before applying final finish. BORA-CARE® applications may raise the grain of the wood and an additional light sanding may be necessary before applying a new finish. Although BORA-CARE® is compatible with most floor

coatings, always test a small section of treated floor with the new finish and check for appropriate adhesion prior to coating the entire floor.

NOTE: If surface is tacky or residue is evident after 72 hours of drying time, wash affected area with clean water and a mop, cloth or sponge, rinsing frequently. Allow surface to dry prior to final light sanding and application of finish coat.

E. For treating voids, wall studs and wood members not accessible by conventional application methods, spray or mist solution into voids and channels in damaged and suspected infested wood and/or through small holes drilled into walls and baseboard areas. Holes should be spaced no more than 24" apart along each member to be treated and at least one (1) hole must be drilled between each wall stud when treating base plates. Use sufficient amount of material to cover all areas to the point of wetness.

NOTE: Existing insulation may interfere with distribution of the BORA-CARE® solution. If necessary, remove or displace insulation prior to treatment.

F. Foam applications: BORA-CARE® can be applied to bare wood surfaces and void areas as a foam by mixing two (2) parts water with one (1) part BORA-CARE® (2:1) and adding 3 to 8 ounces of foaming agent per gallon of mixed solution. Apply foam being sure to completely fill the void. Foam will take approximately one (1) hour to return to liquid state and soak into bare wood.

Apply foamed BORA-CARE® to void spaces at a 1:20 to 1:30 foam ratio (one [1] gallon of mixed solution expanded with foaming agent to produce 20 to 30 gallons of foam). Apply enough foam to completely fill void and contact all wood surfaces in the void space.

G. Foam insulation may be treated by injecting a two (2) parts water to one (1) part BORA-CARE® (2:1) solution into the infested area and/or low pressure surface spraying at a rate of one (1) gallon per 300 to 400 square feet.

NOTE: Some types of foam insulation, such as polyisocyanurate and extruded polystyrene, have closed cell structures which do not allow significant penetration from surface application. These types of foam should be injected, as well as surface sprayed, to achieve proper control or prevention of infestations.

V. PREVENTATIVE AND/OR PRETREATMENT FOR WHOLE HOUSE PROTECTION FROM SUBTERRANEAN FORMOSAN, DRYWOOD TERMITES, CARPENTER ANTS, OLD HOUSE BORERS, POWDERPOST AND OTHER WOOD BORING BEETLES AND WOOD DECAY FUNGI

NOTE: This treatment serves as a primary treatment for the control of Formosan and subterranean termites.

Pretreatment should be performed at a point during the construction process when the greatest access to all wood members is available. Normally this is at the "dried-in" stage of construction when all structural wood and sheathing is in place, yet prior to installation of insulation, mechanical systems, electrical wiring, etc.

Apply one (1) coat of a one (1) gallon BORA-CARE® (1:1) solution to all wood surfaces to the point of wetness. Concentrate application in areas susceptible to attack, to include all sills, plates, floor joists, piers, girders and subfloors. Treat wood in all plumbing, electrical, and ductwork areas where they penetrate walls or floors. Treat all base plates and studs on interior and exterior walls, especially those surrounding any high moisture areas such as bathrooms, kitchens and laundry rooms. For buildings built on sills, treat all wood in contact with the slab as well as all interior and exterior wall studs and wall sheathing material. In attics, treat all wood including ceiling joists, trusses, top plates, rafters and roof decking. Be sure that all sill plates and wood contacting garages and porches are treated.

In areas where access is limited to one (1) or two (2) sides of a wood member, apply two (2) coats of BORA-CARE® solution to the exposed surfaces. Wait at least 20 minutes between applications. Treat all exterior wood including siding, fascias, soffits, eaves, roofing, porches, decks and railings (refer to Sections VIII and IX for complete exterior application information).

VI. PREVENTATIVE AND PRETREATMENTS FOR SUBTERRANEAN TERMITES (CRAWL SPACE, BASEMENT AND SLAB)

NOTE: This treatment serves as a primary treatment for the control of subterranean termites. Use only a one (1) part water to one (1) part BORA-CARE® (1:1) solution when treating for subterranean termites.

Pretreatment may be performed at any point during the construction process, however it is best performed when greatest access to all wood members is available. Normally this is at the "dried-in" stage of construction when all structural wood and sheathing is in place, yet prior to installation of insulation, mechanical systems, electrical wiring, etc.

A. Buildings on Crawl Spaces and Basements: Apply one (1) coat of a one (1) gallon water to one (1) gallon BORA-CARE® (1:1) solution to point of wetness in a 24-inch wide uninterrupted band to all wood surfaces in crawl spaces and basements, to include all sills, plates, floor joists, piers, girders and subfloors as well as wood exposed to vertical access from the soil. Treat all wall base plates and the bottom two (2) feet of all interior and exterior wall studs. Treat any wood adjacent to plumbing, electrical conduit and ducts where they penetrate subfloors or plates, and all wood next to porches, garages, and fireplaces in order to provide a two (2) foot wide barrier of BORA-CARE® treatment against termite penetration.

On wood where access is limited to one (1) or two (2) sides of wood members such as sills and plates on foundation walls, apply two (2) coats of BORA-CARE® solution. Wait at least 20 minutes between applications. If accessible, treat the exterior of sill areas around the entire perimeter of the structure with a 24-inch wide band of BORA-CARE® solution beginning with the sill area and extending upwards onto the sheathing material.

On multiple story structures, treat only the first story above the masonry foundation level. Coated or painted wood may be treated by pressure injecting BORA-CARE® into holes drilled into the wood at eight (8) to ten (10) inch intervals. Inject at 40 psi for four (4) to six (6) seconds per hole.

B. Buildings on Slabs: Apply one (1) coat of a one (1) gallon BORA-CARE® (1:1) solution to all base plates and the bottom 24 inches of all studs on all exterior and interior walls. In areas where access is limited to one (1) or two (2) sides of a wood member, apply two (2) coats of BORA-CARE® solution to the exposed surfaces. Wait at least 20 minutes between applications. Treat all wood in plumbing walls and apply to any wood in bath traps as well as wood adjacent to plumbing, electrical conduit and duct penetrations in order to provide a minimum 24 inch wide barrier of treatment between the soil and the balance of the structure.

VII. PREVENTATIVE TREATMENT FOR DRYWOOD TERMITES AND POWDERPOST BEETLES

Apply two (2) coats of a five (5) gallon BORA-CARE® (5:1) solution to all wood surfaces to the point of wetness using a brush, spray or mist. Wait at least 20 minutes between applications.

VIII. TREATMENT OF EXTERIOR WOOD SURFACES LESS THAN TWO INCHES THICK SUCH AS DECKS, SHEDS, SIDING AND FENCES

Apply only to bare wood or to wood surfaces where an intact water repellent or finish is not present. If necessary, remove paint or finish prior to application. Apply one (1) coat of BORA-CARE® solution to the point of wetness to all wood surfaces. Apply two (2) coats of BORA-CARE® solution to heavily infested areas and to those surfaces where access is limited to one (1) or two (2) sides of wood members. Do not apply in rain or snow. Exterior wood surfaces must not be exposed to rain or snow for at least 48 hours after treatment. If inclement weather is expected, protect exterior treated surfaces with a plastic tarp.

For wood in contact with the ground or soil, see Section XI.

A. Finishing and Maintaining Treated Surfaces: For long term protection, exterior wood surfaces which have been treated with BORA-CARE® will require a topcoat with a water resistant finish such as paint or exterior stain. The finish or topcoat should be applied within six (6) weeks of treatment. It is important to allow BORA-CARE® treated wood to completely dry (at least 48 hours) before applying any protective topcoat. Coat a small section of treated wood with the finish to be used and check for compatibility prior to complete application.

IX. TREATMENT OF LOG STRUCTURES, TIMBERS, BEAMS, PILINGS, AND EXTERIOR WOOD MEMBERS TWO OR MORE INCHES THICK

Apply only to bare wood or to wood surfaces where an intact water repellent or other finish is not present. If necessary, remove paint or finish prior to application. Interior, unfinished surfaces which have accumulated dirt or cooking oils should be cleaned with a strong detergent prior to treatment. Apply a one (1) part water to one (1) part BORA-CARE® solution to the point of wetness to all interior and exterior wood surfaces. Refer to application chart for minimum amount of BORA-CARE® to treat various size logs or beams.

Typically, two (2) coats of solution will be required to treat round logs 10" or greater in diameter and rectangular logs larger than 6" x 12". Wait at least one (1) hour between applications. Two (2) coats of BORA-CARE® solution should also be applied to log ends, notches, corners and sill logs. Actual number of coats necessary to meet the minimum requirements will depend upon actual wood size, surface porosity and number of sides accessible for treatment. Do not apply in rain or snow. Exterior wood surfaces should not be exposed to rain or snow for at least 48 hours after treatment. If inclement weather is expected, protect exterior treated surfaces with a plastic tarp.

A. Finishing and Maintaining Treated Surfaces: For long term protection, exterior wood surfaces which have been treated with BORA-CARE® will require a topcoating with a water resistant finish paint or exterior stain. The finish or topcoat should be applied within six (6) weeks of treatment. It is important to allow BORA-CARE® treated wood to completely dry (at least 48 hours) before applying any protective topcoat. Coat a small section of treated wood with the finish to be used and check for compatibility prior to complete application.

X. DIP TREATING LOGS AND LUMBER

A dip treating solution may be prepared by mixing Five (5) part water to one (1) part BORA-CARE® (5:1). This will result in a stable solution containing 9% active ingredient. Bundled wood must be stickered in order to allow the solution to cover all wood surfaces. Logs and/or lumber should be submerged in the solution for at least one (1) minute or until all entrapped air has escaped. Protect treated wood from rain or snow for at least 24 hours after treatment.

XI. TREATMENT OF WOOD IN CONTACT WITH THE GROUND

A BORA-CARE® treatment to wood in contact with the ground or soil has a limited lifespan and will require periodic reapplication. Protection may be extended with the use of products such as JECTA® DIFFUSIBLE BORACIDE.

XII. APPLICATION RATES

TABLE A. Dimensional Lumber			
Lumber Size (inches)	1 Gallon of Diluted BORA-CARE® Will Treat Up To:	Minimum Amount of Diluted BORA-CARE® To Treat 1000 Lineal Feet	
1 x 4	1,200 Lineal Feet	0.8 Gallons	
1 x 12	400	2.6	
2 x 4	600	1.6	
2 x 6	400	2.6	
2 x 8	308	3.2	
2 x 10	240	4.2	
2 x 12	200	5.0	
4 x 4	300	3.4	
4 x 6	200	5.0	
4 x 8	150	6.8	
4 x 12	100	10.0	
6 x 6	133	7.6	
6 x 8	100	10.0	
6 x 10	80	12.6	
6 x 12	68	15.0	

TABLE B. Panels, Siding and Plywood (1:1 or 2:1 dilution ratio)			
Thickness (inches)	1 Gallon of Diluted BORA-CARE® Will Treat Up To:	Minimum Amount of Diluted BORA-CARE® to Treat 1000 Square Feet	
1/4	1,600 Square Feet	0.6 Gallons	
3/8	1,067	1.0	
1/2	800	1.2	
3/4	533	1.8	
1	400	2.6	

TABLE C. Round Logs (1:1 dilution ratio only)			
Diameter (inches)	1 Gallon of Diluted BORA-CARE® Will Treat Up To:	Minimum Amount of Diluted BORA-CARE® to Treat 1000 Lineal Feet	
6	167 Lineal Feet	6.0 Gallons	
8	96	10.4	
10	61	16.4	
12	43	23.4	

NOTE: The numbers listed above are based on an application rate of one (1) gallon of BORA-CARE® solution to 400 board feet of wood.

XIII. WARRANTY LIMITATIONS AND DISCLAIMER

Because of varying conditions affecting use and application, manufacturer warns buyer that these may impair or vary the results or effects of the use of this product. In any event, complete prevention of decay or insect infestation is not guaranteed. Neither the manufacturer nor seller shall be liable in respect to any injury or damage suffered by reason of the use of this product for a purpose not indicated by the label or when used contrary to the directions or instructions hereon nor with respect to breach of any warranty not expressly specified herein. Buyer accepts this material subject to these terms and assumes all risk of usage and handling except when used or handled in accordance with this label.

It is not intended that this product be used to practice any applicable patent, whether mentioned or not, without procurement of a license, if necessary, from the owner, following investigation by the user.



100 Nissus Drive

Rockford, TN 37853

800-264-0870

www.nissuscorp.com

BORA-CARE® and JECTA®

are Registered Trademarks of NISSUS Corporation.

MADE IN THE U.S.A.

3.5

DASHWOOD



Certificate of Product Ratings

AHRI Certified Reference Number: 3862741 Date: 4/20/2010

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

Outdoor Unit Model Number: N4H342A(G)KE*

Indoor Unit Model Number: FXM4X42**A*

Manufacturer: TEMPSTAR

Trade/Brand name: 13 SEER N SERIES R410A HP

Manufacturer responsible for the rating of this system combination is TEMPSTAR

Rated as follows in accordance with AHRI Standard 210/240-2006 for Unitary Air-Conditioning and Air-Source Heat Pump Equipment and subject to verification of rating accuracy by AHRI-sponsored, independent, third party testing:

Maronda Homes Inc.
6600 Southpoint Pkwy
Suite 300
Jacksonville, FL 32216
(904) 286-1460 ph
(904) 332-6367 fax

Cooling Capacity (Btuh): 41000

EER Rating (Cooling): 11.50

SEER Rating (Cooling): 14.00

Heating Capacity(Btuh) @ 47 F: 40000

Region IV HSPF Rating (Heating): 8.00

Heating Capacity(Btuh) @ 17 F: 23800

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



LOT 86 TIMBERLAHNS
438 SW MULBERRY DR
LAKE CITY FL 32024

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CERTIFICATE NO.: 129162600518005069

2009 Air-Conditioning, Heating, and Refrigeration Institute



Certificate of Product Ratings

AHRI Certified Reference Number: 3718049 Date: 4/20/2010

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

Outdoor Unit Model Number: N4H330A(G)KE*

Indoor Unit Model Number: FXM4X30**A*

Manufacturer: TEMPSTAR

Trade/Brand name: 13 SEER N SERIES R410A HP

Manufacturer responsible for the rating of this system combination is TEMPSTAR

Rated as follows in accordance with AHRI Standard 210/240-2006 for Unitary Air-Conditioning and Air-Source Heat Pump Equipment and subject to verification of rating accuracy by AHRI-sponsored, independent, third party testing:

Cooling Capacity (Btuh): 30000

EER Rating (Cooling): 11.50

SEER Rating (Cooling): 14.00*

Heating Capacity(Btuh) @ 47 F: 29200

Region IV HSPF Rating (Heating): 7.80

Heating Capacity(Btuh) @ 17 F: 18300

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

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CERTIFICATE NO.: 129162843185476695

2009 Air-Conditioning, Heating, and Refrigeration Institute

PROJECT

Title: DASHWOOD A.M- JACKSON
 Building Type: FLASBUILT
 Owner: MARONDA HOMES
 # of Units: 1
 Builder Name: MARONDA HOMES
 Permit Office:
 Jurisdiction:
 Family Type: Single-family
 New/Existing: New (From Plans)
 Comment:

Bedrooms: 4
 Conditioned Area: 3377
 Total Stories: 2
 Worst Case: Yes
 Rotate Angle: 225
 Cross Ventilation: No
 Whole House Fan: No

Address Type: Street Address
 Lot #
 Block/SubDivision:
 PlatBook:
 Street:
 County:
 City, State, Zip: FL, DUVAL

CLIMATE

Design Location: TMY Site
 IECC Zone: 2
 Design Temp: 93
 Int Design Temp: 75
 Heating Degree Days: 1281
 Design Daily Temp Range: 49 Medium
 FL, Jacksonville
 FL_JACKSONVILLE_INT

FLOORS

Floor Type Perimeter Perimeter R-Value Area Joist R-Value Tile Wood Carpet
 1 Slab-On-Grade Edge Insulation 177 ft 0 1515 ft² 0 0.25 0.75
 2 Floor over Garage 405 ft² 19 0 0 1

ROOF

Type Materials Roof Gable Area Color Solar Absor. Tested Insul. Deck Pitch
 1 Hip Composition shingles 2147 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 1920 ft² N N

CEILING

Ceiling Type Under Attic (Vented) R-Value Area Framing Frac Truss Type
 1 Wood

WALLS

#	Omt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
1	N=>SW	Exterior	Concrete Block - Int Insul	4.1	180 ft²	0	0	0.6
2	E=>NW	Exterior	Concrete Block - Int Insul	4.1	432 ft²	0	0	0.6
3	S=>NE	Exterior	Concrete Block - Int Insul	4.1	360 ft²	0	0	0.6
4	W=>SE	Exterior	Concrete Block - Int Insul	4.1	252 ft²	0	0	0.6
5	N=>SW	Exterior	Frame - Wood	13	320 ft²	0	0.23	0.6
6	E=>NW	Exterior	Frame - Wood	13	384 ft²	0	0.23	0.6
7	S=>NE	Exterior	Frame - Wood	13	320 ft²	0	0.23	0.6

WALLS											
#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.			
8	W>=SE	Exterior	Frame - Wood	13	384 ft²	0	0.23	0.6			
9	N>=SW	Garage	Frame - Wood	13	342 ft²		0.23	0.01			
DOORS											
#	Ornt	Door Type	Storms	U-Value	Area						
1	N>=SW	Insulated	None	0.4	20 ft²						
2	N>=SW	Insulated	None	0.4	18 ft²						
WINDOWS											
Orientation shown is the entered orientation (=>) changed to Worst Case.											
#	Ornt	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Overhang Depth Separation	Int Shade	Screening
1	S>=NE	Metal	Low-E Double	Yes	0.6	0.32	N	10 ft²	1 ft 0 in	10 ft 0 in	HERS 2006
2	S>=NE	Metal	Low-E Double	Yes	0.6	0.32	N	20 ft²	1 ft 0 in	1 ft 0 in	HERS 2006
3	N>=SW	Metal	Low-E Double	Yes	0.6	0.32	N	15 ft²	8 ft 0 in	1 ft 0 in	HERS 2006
4	S>=NE	Metal	Low-E Double	Yes	0.6	0.32	N	48 ft²	1 ft 0 in	10 ft 0 in	HERS 2006
5	S>=NE	Metal	Low-E Double	Yes	0.6	0.32	N	20 ft²	1 ft 0 in	1 ft 0 in	HERS 2006
6	E>=NW	Metal	Low-E Double	Yes	0.6	0.32	N	16 ft²	1 ft 0 in	10 ft 0 in	HERS 2006
7	W>=SE	Metal	Low-E Double	Yes	0.6	0.32	N	16 ft²	1 ft 0 in	1 ft 0 in	HERS 2006
8	N>=SW	Metal	Low-E Double	Yes	0.6	0.32	N	15 ft²	1 ft 0 in	1 ft 0 in	HERS 2006
9	W>=SE	Metal	Low-E Double	Yes	0.6	0.32	N	10 ft²	1 ft 0 in	10 ft 96 in	HERS 2006
10	E>=NW	Metal	Low-E Double	Yes	0.6	0.32	N	16 ft²	1 ft 0 in	1 ft 0 in	HERS 2006
11	N>=SW	Metal	Low-E Double	Yes	0.6	0.32	N	16 ft²	1 ft 0 in	1 ft 0 in	HERS 2006
12	N>=SW	Metal	Low-E Double	Yes	0.6	0.32	N	15 ft²	1 ft 0 in	3 ft 0 in	HERS 2006
13	N>=SW	Metal	Low-E Double	Yes	0.6	0.32	N	15 ft²	1 ft 0 in	1 ft 0 in	HERS 2006
14	N>=SW	Metal	Low-E Double	Yes	0.6	0.32	N	15 ft²	1 ft 0 in	1 ft 0 in	HERS 2006
15	N>=SW	Metal	Low-E Double	Yes	0.6	0.32	N	15 ft²	1 ft 0 in	1 ft 0 in	HERS 2006
16	N>=SW	Metal	Low-E Double	Yes	0.6	0.32	N	15 ft²	8 ft 0 in	1 ft 0 in	HERS 2006
17	S>=NE	Metal	Low-E Double	Yes	0.6	0.32	N	20 ft²	1 ft 0 in	1 ft 0 in	HERS 2006
18	S>=NE	Metal	Low-E Double	Yes	0.6	0.32	N	20 ft²	1 ft 0 in	1 ft 0 in	HERS 2006
19	S>=NE	Metal	Low-E Double	Yes	0.6	0.32	N	20 ft²	1 ft 0 in	10 ft 0 in	HERS 2006
INFILTRATION & VENTING											
Method	SLA	CFM 50	ACH 50	ELA	EqlA	Supply CFM	Forced Ventilation	Run Time	Fan Watts		
Default	0.00036	3189	6.30	175.1	329.2	0 cfm	0 cfm	0	0		

GARAGE						
#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation	
1	405 ft²	0 ft²	38 ft	9 ft	0	
COOLING SYSTEM						
#	System Type	Subtype	Efficiency	Capacity	Air Flow	Ducts
1	Central Unit	None	SEER: 14	30 kbtu/hr	cfm	sys#1
2	Central Unit	None	SEER: 14	41 kbtu/hr	1230 cfm	sys#0
HEATING SYSTEM						
#	System Type	Subtype	Efficiency	Capacity		Ducts
1	Electric Heat Pump	None	HSPF: 7.8	30 kbtu/hr		sys#1
2	Electric Heat Pump	None	HSPF: 8	41 kbtu/hr		sys#0
HOT WATER SYSTEM						
#	System Type	EF	Cap	Use	SetPt	Conservation
1	Electric	0.9	50 gal	70 gal	120 deg	None
SOLAR HOT WATER SYSTEM						
FSEC	Company Name	System Model #	Collector Model #	Collector	Storage	FEF
None	None			Area	Volume	
None	None				ft²	
DUCTS						
#	Location	R-Value	Area	--- Supply ---	--- Return ---	Area
1	Attic	6	465 ft²	Interior	20 ft²	Default Leakage
2	Interior	6	400 ft²	Interior	168.85	Default Leakage
TEMPERATURES						
Programable Thermostat Y						
Ceiling Fans:						
Cooling	X Jan	X Feb	X Mar	X Apr	X May	X Jun
Heating	X Jan	X Feb	X Mar	X Apr	X May	X Jun
Venting	X Jan	X Feb	X Mar	X Apr	X May	X Jun
	X Dec	X Nov	X Oct	X Sep	X Aug	X Jul

Thermostat Schedule: HERS 2006 Reference		Schedule Type	
Hours	1	2	3
Cooling (WD)	AM 78	78	78
Cooling (WEH)	AM 78	78	78
Heating (WD)	AM 78	78	78
Heating (WEH)	AM 78	78	78
	PM 80	80	80
	PM 78	78	78
	PM 66	66	66
	PM 66	66	66
	AM 66	66	66
	AM 66	66	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	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; 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	Penetrations/openings > 1/8" sealed unless backed by truss or joint members.	/
Ceilings	N1106.AB.1.2	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	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	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 N1112.AB.C.3	/
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.	W/A
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.	/
HVAC Controls	N1107.AB.2	Ducts in unconditioned attics: R-6 min. insulation. 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.	/

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

7.

1. New construction or existing	2. Single family or multiple family	3. Number of units, if multiple family	4. Number of Bedrooms	5. Is this a worst case?	6. Conditioned floor area (ft ²)	7. Windows**	Description	a. U-Factor: SHGC=0.60 DbI, U=0.32	b. U-Factor: SHGC:	c. U-Factor: SHGC:	d. U-Factor: SHGC:	e. U-Factor: SHGC:	8. Floor Types	a. Slab-On-Grade Edge Insulation	b. Floor over Garage	c. N/A
New (From Plans)	Single-family	1	4	Yes	3377	Area 336.00 ft ²	ft ²	ft ²	ft ²	ft ²	ft ²	ft ²	Insulation Area 1515.00 ft ² R=19.0 405.00 ft ²	Insulation Area 1515.00 ft ² R=19.0 405.00 ft ²	15. Credits	Pstat
9. Wall Types	a. Frame - Wood, Exterior b. Concrete Block - Int Insul, Exterior c. Frame - Wood, Adjacent d. N/A	10. Ceiling Types	a. Under Attic (Vented) b. N/A c. N/A	11. Ducts (combined) a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6, 465 ft ²	12. Cooling systems (combined) a. Central Unit	13. Heating systems (combined) a. Electric Heat Pump	14. Hot water systems a. Electric b. Conservation features	15. Credits	None	Cap: 50 gallons EF: 0.9	Cap: 71.0 kBTU/hr SEER: 14	Cap: 71.0 kBTU/hr HSPF: 7.92	Cap: 50 gallons EF: 0.9	Cap: 71.0 kBTU/hr SEER: 14	Cap: 50 gallons EF: 0.9	Cap: 71.0 kBTU/hr SEER: 14



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 as on installed Code compliant features

based on installed Code compliant features.

uilder Signature:

Date:

Address of New Home: 438 SW Mulberry Dr
City/FL Zip:

*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.

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.

Lot 36 111B Expend
EnergyGauge® USA - Flare2008

Project Information

For: DASHWOOD 1ST FLOOR

Notes:

Design Information

Weather: Jacksonville Intl AP, FL, US

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

Sensible Cooling Equipment Load Sizing

Structure 18691 Btuh
 Ducts 6318 Btuh
 Central vent (0 cfm) 0 Btuh
 Blower 0 Btuh
 Use manufacturer's data n
 Rate/swing multiplier 0.98
 Equipment sensible load 24409 Btuh

Latent Cooling Equipment Load Sizing

Structure 2608 Btuh
 Ducts 1409 Btuh
 Central vent (0 cfm) 0 Btuh
 Equipment latent load 4017 Btuh
 Equipment total load 28426 Btuh
 Reg. total capacity at 0.74 SHR 2.7 ton

Cooling Equipment Summary

Make TEMPSTAR
 Trade HEAT PUMP
 Cond N4H330GKE
 Coil FXM4X3000
 AHR1 ref no.
 Efficiency 12.0 EER, 14 SEER
 Sensible cooling 22200 Btuh
 Latent cooling 7800 Btuh
 Total cooling 30000 Btuh
 Actual air flow 955 cfm
 Air flow factor 0.038 cfm/Btuh
 Static pressure 0.60 in H2O
 Load sensible heat ratio 0.86

Winter Design Conditions

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

Heating Summary

Structure 22344 Btuh
 Ducts 5233 Btuh
 Central vent (0 cfm) 0 Btuh
 Humidification 0 Btuh
 Piping 0 Btuh
 Equipment load 27577 Btuh

Infiltration

Method Simplified
 Construction quality Average
 Fireplaces 0

Area (ft²) 1515
 Volume (ft³) 12120
 Air changes/hour 0.38
 Equip. AVF (cfm) 77
 Heating 1515
 Cooling 1515

Heating Equipment Summary

Make TEMPSTAR
 Trade HEAT PUMP
 Model N4H330GKE
 AHR1 ref no.
 Efficiency 7.8 HSPF
 Heating input 0 Btuh @ 47°F
 Heating output 0 °F
 Temperature rise 0 °F
 Actual air flow 955 cfm
 Air flow factor 0.035 cfm/Btuh
 Static pressure 0.60 in H2O
 Space thermostat

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.
 Bold/italic values have been manually overridden

Project Information

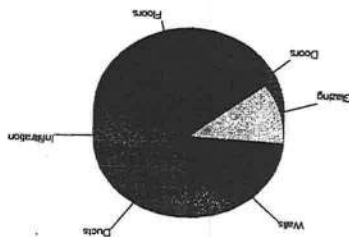
For: DASHWOOD 1ST FLOOR

Design Conditions

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

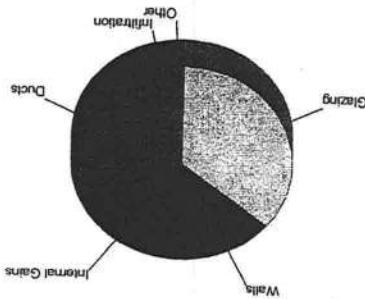
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	4.6	6618	24.0
Glazing	48.3	3185	11.5
Doors	14.8	563	2.0
Ceilings	0	0	0
Floors	11.9	8773	31.8
Infiltration	2.1	3205	11.6
Ducts		5233	19.0
Piping		0	0
Humidification		0	0
Ventilation		0	0
Adjustments		0	0
Total		27577	100.0



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	2.4	3533	14.1
Glazing	135.6	8949	35.8
Doors	11.8	448	1.8
Ceilings	0	0	0
Floors	0	0	0
Infiltration	0.5	781	3.1
Ducts		6318	25.3
Ventilation		0	0
Internal gains		4980	19.9
Blower		0	0
Adjustments		0	0
Total		25009	100.0



Latent Cooling Load = 4017 Btuh
 Overall U-value = 0.220 Btuh/ft²·°F

WARNING: window to floor area ratio = 4.4% - less than 5%.

Project Information

For: DASHWOOD 2ND FLOOR

Notes:

Design Information

Weather: Jacksonville Intl AP, FL, US

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

Sensible Cooling Equipment Load Sizing

Structure 23295 Btuh
 Ducts 9173 Btuh
 Central vent (0 cfm) 0 Btuh
 Blower 0 Btuh
 Use manufacturer's data n
 Rate/swing multiplier 0.98
 Equipment sensible load 31689 Btuh

Latent Cooling Equipment Load Sizing

Structure 2931 Btuh
 Ducts 2066 Btuh
 Central vent (0 cfm) 0 Btuh
 Equipment latent load 4996 Btuh
 Equipment total load 36685 Btuh
 Reg. total capacity at 0.76 SHR 3.5 ton

Cooling Equipment Summary

Make TEMPOSTAR
 Trade HEAT PUMP
 Cond N4H342GKE
 Coil FXM4X4200
 AHRl ref no.
 Efficiency 12.0 EER, 14 SEER
 Sensible cooling 31160 Btuh
 Latent cooling 9840 Btuh
 Total cooling 41000 Btuh
 Actual air flow 1316 cfm
 Air flow factor 0.041 cfm/Btuh
 Static pressure 0.60 in H2O
 Load sensible heat ratio 0.87

Winter Design Conditions

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

Heating Summary

Structure 20902 Btuh
 Ducts 7531 Btuh
 Central vent (0 cfm) 0 Btuh
 Humidification 0 Btuh
 Piping 0 Btuh
 Equipment load 28433 Btuh

Infiltration

Method Construction quality
 Fireplaces
 Area (ft²) 1862
 Volume (ft³) 14896
 Air changes/hour 0.38
 Equiv. A/VF (cfm) 94

Heating Equipment Summary

Make TEMPOSTAR
 Trade HEAT PUMP
 Model N4H342GKE
 AHRl ref no.
 Efficiency 8 HSPF
 Heating input 0 Btuh @ 47°F
 Heating output 1316 cfm
 Temperature rise 0 °F
 Actual air flow 0.046 cfm/Btuh
 Air flow factor 0.60 in H2O
 Static pressure 1316 cfm
 Space thermostat

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.
 Bold/italic values have been manually overridden

Project Information

For: DASHWOOD 2ND FLOOR

Design Conditions

Location:

Jacksonville Int'l AP, FL, US

Latitude: 31°N

Outdoor:

Dry bulb (°F)
Daily range (°F)

Wet bulb (°F)

Wind speed (mph)

Heating

-
30

(M) 18 77

7.5

Moisture

Intitrativ

Construction

Fireplaces

0

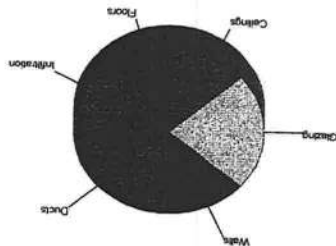
Cooling

15/18

50

51.3

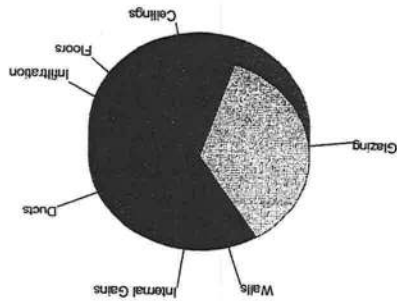
Component	Bluh/ft ²	Bluh	% of load
Walls	3.7	3937	13.8
Glazing	48.3	6467	22.7
Doors	0	0	0
Ceilings	1.9	3467	12.2
Floors	2.0	3092	10.9
Infiltration	3.3	3939	13.9
Ducts		7531	26.5
Piping		0	0
Humidification		0	0
Ventilation		0	0
Adjustments		0	0
Total		28433	100.0



Heating

Cooling

Component	Btuh/ft ²	Btuh	% of load
Walls	2.7	2880	8.9
Glazing	87.6	11743	36.2
Doors	0	0	0
Ceilings	2.6	4899	15.1
Floors	0.9	1432	4.4
Infiltration	0.8	960	3.0
Ducts		9173	28.3
Ventilation		0	0
Internal gains		1380	4.3
Blower		0	0
Adjustments		0	0
Total		32468	100.0



Latent Cooling Load = 4996 Btuh
Overall U-value = 0.103 Btuh/ft²-°F
Data entries checked.

Duct System Summary

Entire House

Maronda Homes

Job: DASHWOOD 1ST FLOOR
Date: G. Carmack
By:

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

Project Information

For: DASHWOOD 1ST FLOOR

External static pressure
Pressure losses
Available static pressure
Supply / return available pressure
Lowest friction rate
Actual air flow
Total effective length (TEL)

Heating
0.60 in H2O
0.00 in H2O
0.60 in H2O
0.46 / 0.14 in H2O
0.100 in/100ft
955 cfm

Cooling
0.60 in H2O
0.00 in H2O
0.60 in H2O
0.46 / 0.14 in H2O
0.100 in/100ft
955 cfm

26 ft

Supply Branch Detail Table

Name	Design (Btuh)	Htg (cfm)	Cig (cfm)	Design FR	Diam (in)	Rect Size (in)	Duct Matl	Actual Ln (ft)	Fig. Eqv Ln (ft)	Trunk
KITCHEN	3643	120	120	0.100	6	x0	VIFx	15.0	0.0	st1
NOOK	4213	120	120	0.100	6	x0	VIFx	10.0	0.0	st1
DINING	4207	170	170	0.100	7	x0	VIFx	10.0	0.0	st1
FAMILY ROOM-A	4176	170	170	0.100	7	x0	VIFx	5.0	0.0	ST2
FAMILY ROOM	4176	170	170	0.100	7	x0	VIFx	10.0	0.0	ST2
POWDER ROOM	1540	10	10	0.100	4	x0	VIFx	5.0	0.0	ST2
LAUNDRY	687	25	25	0.100	4	x0	VIFx	10.0	0.0	ST2
LIVING	3436	170	170	0.100	7	x0	VIFx	20.0	0.0	st1

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Cig (cfm)	Design FR	Veloc (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
st1	Peak AVF	580	580	0.100	518	14	14 x 12	RectFbg	
ST2	Peak AVF	375	375	0.100	573	14	14 x 8	RectFbg	

Return Branch Detail Table

Name	Grill Size (in)	Htg (cfm)	Cig (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	RectSize (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb1	0x0	955	955	6.0	2.308	684	16	x0 0		VIFx	

Bold/italic values have been manually overridden

Right-Suite Residential 6.0.90 RSR21115

C:\Program Files\Wrightsoft\HVAC\Man J Calcs 2007\ORLANDO\DASHWOOD 1ST FLOOR.mpp Calc = MJ8 On

Project Information

For: DASHWOOD 2ND FLOOR

External static pressure	0.60	in H2O
Pressure losses	0.00	in H2O
Available static pressure	0.60	in H2O
Supply / return available pressure	0.43 / 0.17	in H2O
Lowest friction rate	0.100	in/100ft
Actual air flow	1316	cfm
Total effective length (TEL)	21	ft

Supply Branch Detail Table

Name	Design (Btuh)	Htg (cfm)	Cig (cfm)	Design FR	Diam (in)	Rect Size (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
BDR #3	4351	200	200	0.100	7	xØ	V/Fx	10.0	0.0	st1
BDR #2	3254	200	200	0.100	7	xØ	V/Fx	10.0	0.0	st1
SITTING ROOM	3980	200	200	0.100	7	xØ	V/Fx	10.0	0.0	st2
MASTER BDR	3980	200	200	0.100	7	xØ	V/Fx	10.0	0.0	st2
BDR #4	7192	250	250	0.100	8	xØ	V/Fx	10.0	0.0	st3
HALL BATH	207	41	41	0.100	4	xØ	V/Fx	10.0	0.0	st3
BDR #4 BATH	207	50	50	0.100	4	xØ	V/Fx	10.0	0.0	st3
MASTER TOILET	1790	50	50	0.100	4	xØ	V/Fx	15.0	0.0	st3
MASTER BATH	4183	125	125	0.100	6	xØ	V/Fx	15.0	0.0	st3

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Cig (cfm)	Design FR	Veloc (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
st1	Peak AVF	400	400	0.100	522	10	0 x 0	VinFix	
st2	Peak AVF	525	525	0.100	687	12	0 x 0	VinFix	
st3	Peak AVF	391	391	0.100	528	10	0 x 0	VinFix	

Bold/Italic values have been manually overridden

Return Branch Detail Table

Name	Grill Size (in)	Htg (cfm)	Cig (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	RectSize (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb1	0x0	1316	1316	6.0	2.857	603	18	x0 0		VIFx	

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER

CONTRACT NUMBER

PHONE

THIS FORM MUST BE SUBMITTED WITH TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. For Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County. Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name	DEL-AIR	Signature	Phone #	407-333-2665
MECHANICAL	Print Name	ALL ELEMETS	Signature	Phone #	866-978-4279
PLUMBING	Print Name	STRAT. REAP PLUMBING	Signature	Phone #	904-838-2218
GAS	Print Name	CEC1427639 Joe Sabaka	Signature	Phone #	852 473 4943
ROOFING	Print Name	MacTinson Fresh	Signature	Phone #	852 473 4943
SHEET METAL	Print Name	187	Signature	Phone #	
FINISH SYSTEM/SPRINKLER	Print Name	187	Signature	Phone #	
SOLAR	Print Name	187	Signature	Phone #	

MASON	Print Name	863	Signature	Phone #	
CONCRETE FINISHER	Print Name	863	Signature	Phone #	
FRAMING	Print Name	863	Signature	Phone #	
INSULATION	Print Name	863	Signature	Phone #	
STUCCO	Print Name	863	Signature	Phone #	
DRYWALL	Print Name	863	Signature	Phone #	
PLASTER	Print Name	863	Signature	Phone #	
CABINET INSTALLER	Print Name	863	Signature	Phone #	
PAINTING	Print Name	863	Signature	Phone #	
ACOUSTICAL CEILING	Print Name	863	Signature	Phone #	
GLASS	Print Name	863	Signature	Phone #	
CERAMIC TILE	Print Name	863	Signature	Phone #	
FLOOR COVERING	Print Name	863	Signature	Phone #	
ALUM/VINYL SIDING	Print Name	863	Signature	Phone #	
GARAGE DOOR	Print Name	863	Signature	Phone #	
METAL BLDG ERECTOR	Print Name	863	Signature	Phone #	

F.S. 440.1003 Building permits: Identification of minimum premium policy.—Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under the chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

(Contractor Permit Administrator Form 1000, 8/07)

OK Michael Steckler

OK Tomy D. - #11 update

OK Stephen Curry etc

ps 1 of 5

pg 3 of 5

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER _____ CONTRACTOR _____ PHONE _____

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-5, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County. Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name DET-AIR	License # EC13063715	Signature <i>[Signature]</i>	Phone # 487-333-2865
MECHANICAL	Print Name ALL ELEMENTS	License # CAC058331	Signature <i>[Signature]</i>	Phone # 866-979-4279
PLUMBING/ GAS	Print Name STEEL HEAD PLUMBING	License # CEC1427439	Signature <i>[Signature]</i>	Phone # 904-838-2218
ROOFING	Print Name MacDonald/SueShook	License # CEC1427439	Signature <i>[Signature]</i>	Phone # 904-838-2218
SHEET METAL	Print Name MacDonald/SueShook	License # CEC1427439	Signature <i>[Signature]</i>	Phone # 904-838-2218
FIRE SYSTEM/ SPRINKLER	Print Name MacDonald/SueShook	License # CEC1427439	Signature <i>[Signature]</i>	Phone # 904-838-2218
SOLAR	Print Name MacDonald/SueShook	License # CEC1427439	Signature <i>[Signature]</i>	Phone # 904-838-2218

MASON	Print Name Fort King Street Masonry	License # 863	Signature <i>[Signature]</i>	Phone # 863-471-1111
CONCRETE FINISHER	Print Name Fort King Street Masonry	License # 863	Signature <i>[Signature]</i>	Phone # 863-471-1111
FRAMING	Print Name FT and T LLC	License # CEC1326951	Signature <i>[Signature]</i>	Phone # 863-471-1111
INSULATION	Print Name ARMSTRONG Residential Products	License # CEC135562	Signature <i>[Signature]</i>	Phone # 863-471-1111
STUCCO	Print Name ARMSTRONG Residential Products	License # CEC135562	Signature <i>[Signature]</i>	Phone # 863-471-1111
DRYWALL	Print Name Star Drywall, Inc.	License # 860	Signature <i>[Signature]</i>	Phone # 863-471-1111
PLASTER	Print Name Star Drywall, Inc.	License # 860	Signature <i>[Signature]</i>	Phone # 863-471-1111
CABINET INSTALLER	Print Name Star Drywall, Inc.	License # 860	Signature <i>[Signature]</i>	Phone # 863-471-1111
PAINTING	Print Name Star Drywall, Inc.	License # 860	Signature <i>[Signature]</i>	Phone # 863-471-1111
ACOUSTICAL CEILING	Print Name Star Drywall, Inc.	License # 860	Signature <i>[Signature]</i>	Phone # 863-471-1111
GLASS	Print Name Star Drywall, Inc.	License # 860	Signature <i>[Signature]</i>	Phone # 863-471-1111
CERAMIC TILE	Print Name Star Drywall, Inc.	License # 860	Signature <i>[Signature]</i>	Phone # 863-471-1111
FLOOR COVERING	Print Name Star Drywall, Inc.	License # 860	Signature <i>[Signature]</i>	Phone # 863-471-1111
ALUM/VINYL SIDING	Print Name Star Drywall, Inc.	License # 860	Signature <i>[Signature]</i>	Phone # 863-471-1111
GARAGE DOOR	Print Name Star Drywall, Inc.	License # 860	Signature <i>[Signature]</i>	Phone # 863-471-1111
METAL BLDG ERECTOR	Print Name Star Drywall, Inc.	License # 860	Signature <i>[Signature]</i>	Phone # 863-471-1111

F. S. 440.303 Building permits; identification of minimum premium policy.-Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.38, and shall be presented each time the employer applies for a building permit.

Continued (reverse side) of Form 610

Sent T. Gille He ok

Maronda Homes Inc.
 6800 Southpoint Pkwy
 Suite 300
 Jacksonville, FL 32216
 (904) 296-1490 ph
 (904) 332-6367 fax

Maronda Homes Inc., of Florida

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER _____ CONTRACTOR Kenneth Wayne Campbell, Jr (1217)
 PHONE 904 - 296-1490

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT 904 - 296-1490
 In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.
 Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name DEL-AIR	License # EC13003715	Signature 	Phone # 407-333-7665
MECHANICAL	Print Name ALL ELEMENTS	License # CAC058534	Signature 	Phone # 866-978-4279
PLUMBING/ GAS	Print Name STEEL HEAD PLUMBING	License # CFC1427439	Signature 	Phone # 904-838-2218
ROOFING	Print Name MacArthur/Steve Short	License # PCC061384	Signature 	Phone # 850-473-4943
SHEET METAL	Print Name _____	License # _____	Signature _____	Phone # _____
FIRE SYSTEM/ SPRINKLER	Print Name _____	License # _____	Signature _____	Phone # _____
SOLAR	Print Name _____	License # _____	Signature _____	Phone # _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON	863	Fort King Street Masonry	
CONCRETE FINISHER			
FRAMING	CFC1326951	FT and T LLC	
INSULATION			
STUCCO			
DRYWALL			
PLASTER	N/A		
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE	857	Blackton Flooring Inc	
FLOOR COVERING	858	Blackton Flooring Inc	
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

F.S. 440.103 Building permits; identification of minimum premium policy.—Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

NOTE: See attached for remaining subcontractor list

CERTIFICATE OF OCCUPANCY

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-16-02856-136

Building permit No. 000029741

Use Classification SFD, UTILITY

Fire: 44.94

Permit Holder KENNETH WAYNE CAMPBELL JR

Waste: 117.25

Owner of Building MARONDA HOMES INC OF FLORIDA

Total: 162.19

Location: 438 SW MULBERRY DR, LAKE CITY, FL 32024

Date: 03/01/2012

Troy Crews by Haden

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

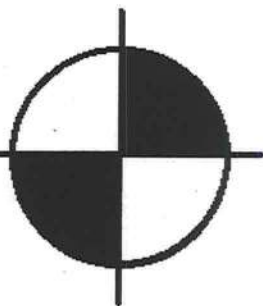


29741

BRINKMAN SURVEYING & MAPPING, INC.

4607 NW 6th Street • Suite C
Gainesville, FL 32609

Phone: (352) 374-7707
Fax: (352) 374-8757



November 21, 2011

Columbia County Building Department
Re: Permit # 000029741

To Whom It May Concern:

The elevation of the finished floor of the residence constructed by Maronda Homes, Lot 36 Timberlands, Phase 1, is 97.66'. Said floor elevation is 0.66' above the minimum finished floor elevation required (97.00') as per plat thereof as recorded in Plat Book 9, pages 27 of the public records of Columbia County, Florida.

Sincerely,

James E. Brinkman P.S.M.
Florida Certificate #5582

17668 #

MARONDA HONES

Timberlands Lot 36

TESTED BY D.H.

FIELD CONTACT

MILES FROM OFFICE

Other ☐

of Preventative Treatments for
Subterranean Termites
This property will receive
BORA-CAKE

Lot 36 Timber land

Disodium Octaborate Tetrahydrate %

Termiteicide a.i. to be used

Date of inspection

43850 Mulberry Dr.



HomeTeam

PEST DEFENSE®

6694 Columbia Park Drive, Suite 3
Jacksonville, FL 32258-2409

904-730-2522

1016 S.E. 3RD AVENUE • OCELA, FLORIDA 34471 • (352) 694-7711

8550

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

Rec'd 10/11/11

Maronda Homes Inc. of Florida
SUBCONTRACTOR VERIFICATION FORM
Contractor Kenneth Wayne Campbell, Jr
PHONE 904 296-1490

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT
in Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County. Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

	Print Name	License #	Signature	Phone #
ELECTRICAL				
MECHANICAL/A/C				
PLUMBING/GAS				
ROOFING				
SHEET METAL				
FIRE SYSTEM/SPRINKLER				
SOLAR				

	Print Name	License #	Signature	Phone #
MASON				
CONCRETE FINISHER				
FRAMING				
INSULATION				
STUCCO				
DRYWALL				
PLASTER				
CABINET INSTALLER				
PAINTING				
ACOUSTICAL CEILING				
GLASS				
CERAMIC TILE				
FLOOR COVERING				
ALUM/VINYL SIDING				
GARAGE DOOR				
METAL BLDG ERECTOR				

F. S. 440.103 Building permits; identification of minimum premium policy---Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

10-11-11 ok
10-13-11 ok
10-24-11 ok

Sign Here

10/12/11

Maronda Homes Inc., of Florida
SUBCONTRACTOR VERIFICATION FORM

Kenneth Wayne Campbell, Jr
CONTRACTOR

PHONE

904 296-1490

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County. Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name	Signature	Phone #:
MECHANICAL/A/C	Print Name	Signature	Phone #:
PLUMBING/GAS	Print Name	Signature	Phone #:
ROOFING	Print Name	Signature	Phone #:
SHEET METAL	Print Name	Signature	Phone #:
FIRE SYSTEM/SPRINKLER	Print Name	Signature	Phone #:
SOLAR	Print Name	Signature	Phone #:

MASON	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING	859	Steve Franklin	Steve Franklin
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR	CEC158205	Debraag Doors/Dallas Miller	Debraag Doors/Dallas Miller

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

Contractor Form, Subcontractor Form 6/09

Laurie Hodson

10/11/11

To:
Melissa Boone

Subject: RE: Re: Status 11-09-036

See below.....

Thanks,

Laurie Hodson

Laurie Hodson, Office Manager

Columbia County Building & Zoning Department
135 NE Hernando Ave, Suite B-21,
Lake City, FL 32055

Office: (386) 758-1007

Fax: (386) 758-2160

laurie.hodson@columbiacountyfla.com



From: Melissa Boone [mailto:mboone@maronda.com]
Sent: Tuesday, October 11, 2011 3:50 PM
To: Laurie Hodson
Cc: mboone
Subject: Fwd: Re: Status 11-09-036

Hey Laurie:

Re: 11-09-036

(Timberlands Lot 36 permit application)

Question: Did you get a signed site plan from the Health Dept? **Not yet.**
I called them and Sally said they would bring it over to you.
Please let me know if this has been done.

Remaining outstanding permit application items:

a. Attached please find a copy of the septic permit for this Lot **Still need signed site plan from EH.**

b. Attached please find Subcontractor sheet for

1. Cabinet Installer Defendant Construction CB1257581 904 367-0036 **Need: Copy of License and both**

insurances to put David Kimble on file.

2. Garage Door D&D Garage Door CB1258205 941-371-7242 **OK**

3. Drywall Bee Hauling waiting on Competency # 904-637-0134 **Need only copy of State**

CB1257687 license to complete file. — just correct — He has applied, but won't be heard until the 24th of October.
The following subcontractors have acknowledged either they are in the process of getting the paperwork sent in...or you have rec'd it by now

1. Roofer : Mac Johnson Roofing RC0061384 352-472-4943 ~~renewed~~ **renewed** — Sue called today. *OK*

10-12-11

2. Framing FT and T LLC CRC1326951 321-228-1913 OK
3. Garage Door: D&D Garage Doors CBC1258205 941-371-7242 OK
4. Concrete: Te Lario Concrete 321-239-6046 ~~not renewed - recalls yet.~~ 10/12/11 ok

The following subcontractor has signed the subcontractor sheet, however he waiting

1. Drywall : Bee Hauling, 904 637-0134 ~~Need only copy of State CBC1257687 license to complete file~~ *not the same contractor - has comp and app in for 10/24/11 meeting.*

The following subcontractor has been notified to get registered and get his

paperwork in order

1. Painter: Sunrise Painting 352-486-3235 We have a Sunrise Painting-License holder name: Fred Franklin. If this is the same painter you are using the Competency # is 859 and he is OK, Fred only needs to sign the Subcontractor Verification form.

Thank you

Melissa Boone

Maronda Homes Permit Coordinator

mboone@maronda.com
904 296-1490 ext 134

Laurie Hodson

From: Laurie Hodson
Sent: Thursday, October 06, 2011 4:36 PM
To: 'Melissa Boone'
Subject: RE: status check on Permit ref # 11-09-36

Hi Melissa,

Before we can issue the permit we need a few things.
Environmental Health (septic) signed site plan (386) 758-1058

and
On the Subcontractor Verification form, we need these items...

Mac Johnson has not renewed his Columbia County license;
Te-Lario Concrete has not renewed his Columbia County license;
D & D Garage Doors has not renewed his Columbia County license;
FT & T needs liability certificate updated;

No one is listed for these...

Plaster
Cabinet Installer
Painting

Thanks,

Laurie Hodson

Laurie Hodson, Office Manager

Columbia County Building & Zoning Department
135 NE Hernando Ave, Suite B-21,
Lake City, FL 32055

Office: (386) 758-1007

Fax: (386) 758-2160

laurie_hodson@columbiacountyfla.com



From: Melissa Boone [mailto:mboone@maronda.com]
Sent: Wednesday, October 05, 2011 8:30 AM
To: Laurie Hodson
Cc: mboone

Subject: status check on Permit ref # 11-09-36

Hey Laurie:

Ref: # 11-09-36

Checking on the status of permit application for 438 SW Mulberry Dr.
I was wondering if the permit fee for #11-09-36 has been calculated.
Maronda has to order checks from Pittsburgh . It takes a couple of days
to get the checks.

Do you have the fee amount? and when might the permit be ready to pick up?

Please advise.....trying to get timeline established.

Thanks

Melissa Boone

Maronda Homes

mboone@maronda.com

Laurie Hodson

From:
Sent:
To:

Laurie Hodson
Wednesday, October 12, 2011 3:33 PM
RE: Fred Franklin (Sunrise Painting and Waterproofing) subcontractor signature sheet

Hi Melissa,
See Below...

Thanks,

Laurie Hodson

Laurie Hodson, Office Manager

Columbia County Building & Zoning Department
135 NE Hernando Ave, Suite B-21,
Lake City, FL 32055

Office: (386) 758-1007

Fax: (386) 758-2160

laurie_hodson@columbiacountyfla.com



From: Melissa Boone [mailto:mboone@maronda.com]
Sent: Wednesday, October 12, 2011 1:42 PM
To: Laurie Hodson
Cc: mboone

Subject: Fwd: Fred Franklin (Sunrise Painting and Waterproofing) subcontractor signature sheet

RE: 11-09-036 permit application

Hey Laurie

Here is the signed subcontractor sheet for Fred Franklin on Sunrise Painting and Waterproofing OK Thanks

Update

Te Lario Concrete says he was up there today and all is ok now for the Concrete Subcontractor. 10/12/11
Renewed-OK

Mac Johnson Roofing said.....they are all up to date with Columbia County as of today 10/12/11 Renewed-OK
As for the Signed Site Plan.....It will probably next week.. OK

That leaves the following:

Cabinet installer Defiant Construction Gen Liability & W/C plus copy of his license
Drywall Bee Hauling
They are going to go before the board on the 24th We spoke to him
today, this is correct. You will need to have Kenneth W. Campbell sign for the drywall or another drywall
contractor until Bee Hauling is licensed.

Hopefully by the end of next week ..you should have everything.

Is there anyway that the permit fee amount can be emailed back to me? \$1104.46 without a culvert permit or

\$1129.46 with a culvert permit, it was not marked so I am not sure if you are putting in a culvert or there is an existing one there.
It takes a while for us to get our permit checks.. They have to be ordered.
Has it been calculated?

Need David Kimble's license, and both insurances for cabinet installer. OK 10/13/11 (#1220)
This has to be complete before we can issue the permit.

Please advise

Thanks

Melissa Boone

Maronda Homes

mboone@maronda.com



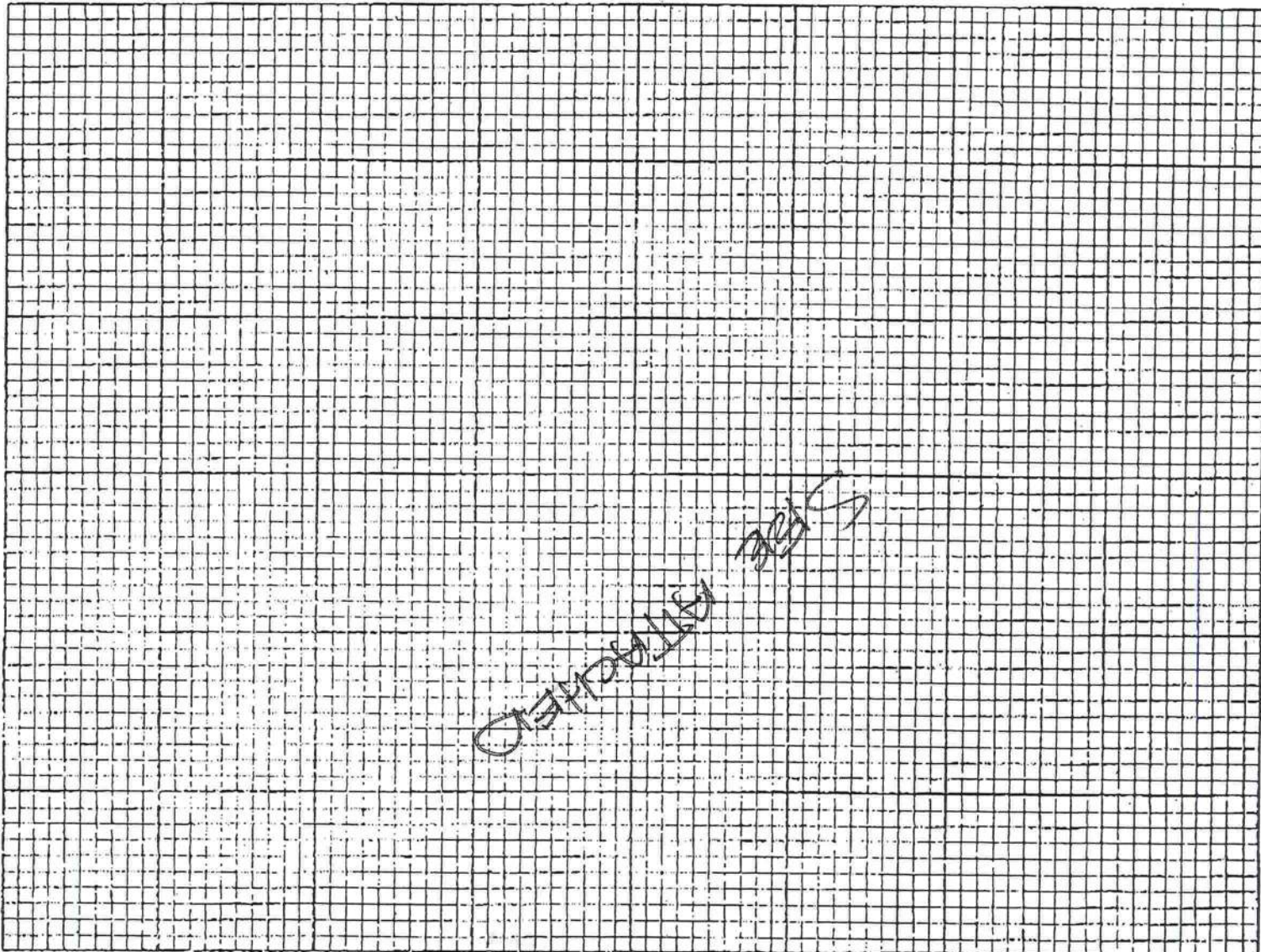
DEPARTMENT OF HEALTH
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number

11-1398

PART II - SITE PLAN

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



Notes:

Site Plan submitted by:

Signature

Builder
Title

Maronda Homes Inc., of Florida / Agent:
Kenneth Wayne Campbell, Jr. Production Manager

Not Approved

Plan Approved ☒

By

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

County Health Department

Date 10/24/11

Laurie Hodson

From: Melissa Boone [mboone@maronda.com]
Sent: Thursday, October 13, 2011 10:10 AM
To: Laurie Hodson
Cc: mboone; Kenneth Campbell/MARONDA; Yamil Ortiz
Subject: Re: Info. 9TM03601 permit application 11-09-036

there is no plasterer... Bee is doing drywall .
unless I here otherwise....they are going to wait for Bee to get his paper
work ...If he is approved....will there be a # issued on the 24th..for Bee?
I am hoping....that a check for the permit fee and Bee's approval all happen on the 24th
and that our permit can be picked up on the 24th or 25th.
Please advise
also
The Super says we do put in the culvert..on step 675 .so I will order the permit check
based on the fee amt \$1129.46 per your email yesterday

Thanks
Melissa Boone
Maronda Homes Permit Coordinator
mboone@maronda.com

----- Original Message -----
From: Laurie Hodson <laurie_hodson@columbiacountyfla.com>
To: 'Melissa Boone' <mboone@maronda.com>
Sent: Thu, 13 Oct 2011 09:32:19 -0400 (EDT)
Subject: Info.



Melissa,

I wanted to let you know Friday, Monday and Tuesday I will be out of the office.

Two questions...

We have Star Drywall signature on a subcontractor VF form, which will work until Bee Hauling gets his
license.

Do you want to use this signature?

Is there plaster with this job? If yes, then I need a signature on that line. If no, I need to NA that line.

Besides the Environmental Health signed site plan this is the only info needed. When I get back on Wednesday I will check for the missing items and contact you back.

Thanks for your help,

Laurie Hodson

Laurie Hodson, Office Manager

Columbia County Building & Zoning Department

135 NE Hernando Ave, Suite B-21,

Lake City, FL 32055

Office: (386) 758-1007

Fax: (386) 758-2160

laurie_hodson@columbiacountyfla.com

6. Modified Butimen	Fiberglass USA	2 layer torch down	The max design pressure for the selected 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 / -622.5
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	N/A
E. SHUTTERS					
1. Storm Panels	ASI Building Products	.018 Galvanized Steel Storm Panels	This product may only be installed on concrete, hollow concrete block, or wood substrats. This product is NOT suitable for installation in the HVHZ or Basic Wind Speed > 140	FL 7989-R2	+70 / -70
	Atrium Companies Inc.	24 GA Galv. Steel Panel		FL 12540.2	N/A
	Alufab Hurricane Shutters Inc.	24 & 22 GA Steel Panel		FL 4804	N/A
	KD Manufacturing	KD Storm Panel		FL 2773	N/A

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	N/A
2. Truss Planes	Mitek Industries, Inc.	Truss Connectors	No Limitation of Use	FL 2197-R1	N/A
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.	PS box8 PS box8 (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	FL 6264-R1	N/A

G. Skylights						
1. Skylights						
2. Other						
H. New Exterior Envelope Products						
1						

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: KENNETH WAYNE CAMPBELL JR (Print Name) [Signature] (Signature)

Company Name:

Maronda Homes Inc of Florida

Mailing Address:

6800 South Point Pkwy Ste 300

City:

Jacksonville

State: Florida

Zip Code: 32216

Telephone Number:

(904) 296-1490

Fax Number:

(904) 332-6375

Cell Phone Number:

(904) 509-8011

E-Mail Address: campbellke@maronda.com

LOT 36 TIMBERLAWS
438 SW MULBERRY DR
LAKE CITY FL 32024

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 Rt			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

02/02/04 - 1 of 2

Website: www.floridabuilding.org

Effective April 1, 2004

PERMIT

000029741

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

DATE 10/24/2011

APPLICANT KENNETH WAYNE CAMPBELL JR PHONE 904-269-1490
ADDRESS 6800 SOUTHPOINT PRKWY #300 JACKSONVILLE FL 32216
OWNER MARONDA HOMES INC OF FLORIDA PHONE 904-296-1490
ADDRESS 438 SW MULBERRY DR LAKE CITY FL 32216
CONTRACTOR KENNETH WAYNE CAMPBELL JR PHONE 904-296-1490

LOCATION OF PROPERTY

90 WEST, L 247, R 252-B, L TIMBER RIDGE, L SW MULBERRY,

AT THE END ON THE RIGHT

TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 197300.00
HEATED FLOOR AREA 3377.00 TOTAL AREA 3946.00 HEIGHT 27.50 STORIES 2
FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 7/12 FLOOR SLAB
LAND USE & ZONING RSF-2 MAX. HEIGHT 35
Minimum Set Back Requirements: 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-16-02856-136 SUBDIVISION TIMBERLANDS

LOT 36 BLOCK PHASE 1 UNIT TOTAL ACRES 0.49

000001912

Culvert Permit No.

Culvert Waiver

Contractor's License Number

CBC058803

Applicant/Owner/Contractor

TC

N

Driveway Connection

Septic Tank Number

11-0398

BK

LU & Zoning checked by

Approved for Issuance

New Resident

COMMENTS: MINIMUM FLOOR ELEVATION SET @ 97 PER PLAT

ELEVATION CONFIRMATION LETTER REQUIRED AT SLAB @ MINIMUM OF 97'

Check # or Cash

1146728

FOR BUILDING & ZONING DEPARTMENT ONLY

Temporary Power

Foundation

Monolithic

(Footer/Slab)

Under slab rough-in plumbing

Slab

Sheathing/Nailing

date/app. by

Framing

Insulation

date/app. by

Rough-in plumbing above slab and below wood floor

Electrical rough-in

date/app. by

Heat & Air Duct

Peri. beam (Lintel)

date/app. by

Pool

date/app. by

Permanent power

C.O. Final

date/app. by

Culvert

date/app. by

Pump pole

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

FLOOD DEVELOPMENT FEE \$

FLOOD ZONE FEE \$ 25.00

CLERKS OFFICE

INSPECTORS OFFICE

CULVERT FEE \$ 25.00

TOTAL FEE 1129.46

MISC. FEES \$ 0.00

ZONING CERT. FEE \$ 50.00

FIRE FEE \$ 0.00

WASTE FEE \$

SURCHARGE FEE \$ 19.73

BUILDING PERMIT FEE \$ 990.00

CERTIFICATION FEE \$ 19.73

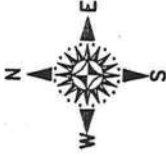
19.73

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 RECEIVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECEIVED AN APPROVED INSPECTION WITHIN 180 DAYS OF THE PREVIOUS INSPECTION. The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

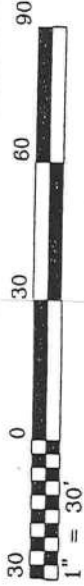
LEGAL DESCRIPTION:

LOT 35 OF "TIMBERLANDS" AS PER PLAT THEREOF, AS RECORDED IN PLAT BOOK 9, PAGE 27, OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.



PROPOSED BUILDING LAYOUT

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



- ABBREVIATIONS:
- A/C = AIR CONDITIONER
 - ASPH = ASPHALT
 - C = CALCULATED FROM MEASURED
 - CATV = CABLE TELEVISION
 - CB = CONCRETE BLOCK
 - CLF = CHAIN LINK FENCE
 - CM = CONCRETE MONUMENT
 - CONC = CONCRETE
 - ELEC = ELECTRIC
 - ELEV = ELEVATION
 - FND = FOUND
 - FNC = FENCE
 - FS = FENCED SURVEYOR BUSINESS
 - GL = FIELD MEASURED
 - MH = MANHOLE
 - O.U. = OVERHEAD UTILITIES
 - P = PLAT
 - FB = FLOOD ZONE
 - FLC = FLOOD LIGHT
 - TRANS = TRANSFORMER
 - TYP = TYPICAL
 - WM = WATER METER
 - WV = WATER VALVE

CURVE TABLE:

CURVE	RADIUS	TANGENT	LENGTH	DELTA	CHORD	CHORD BEARING
C20(P)	25.00'	25.00'	39.27'	90°00'00"	35.36'	S 87°53'08" W

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 THE SUPERVISION OF THE HEREIN DESCRIBED PROPERTY, AND IT MEETS THE SURVEYING STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF LAND SURVEYORS, PURSUANT TO SECTION 472.027, FLORIDA STATUTES, AND CHAPTER 30-17, FLORIDA ADMINISTRATIVE CODE.

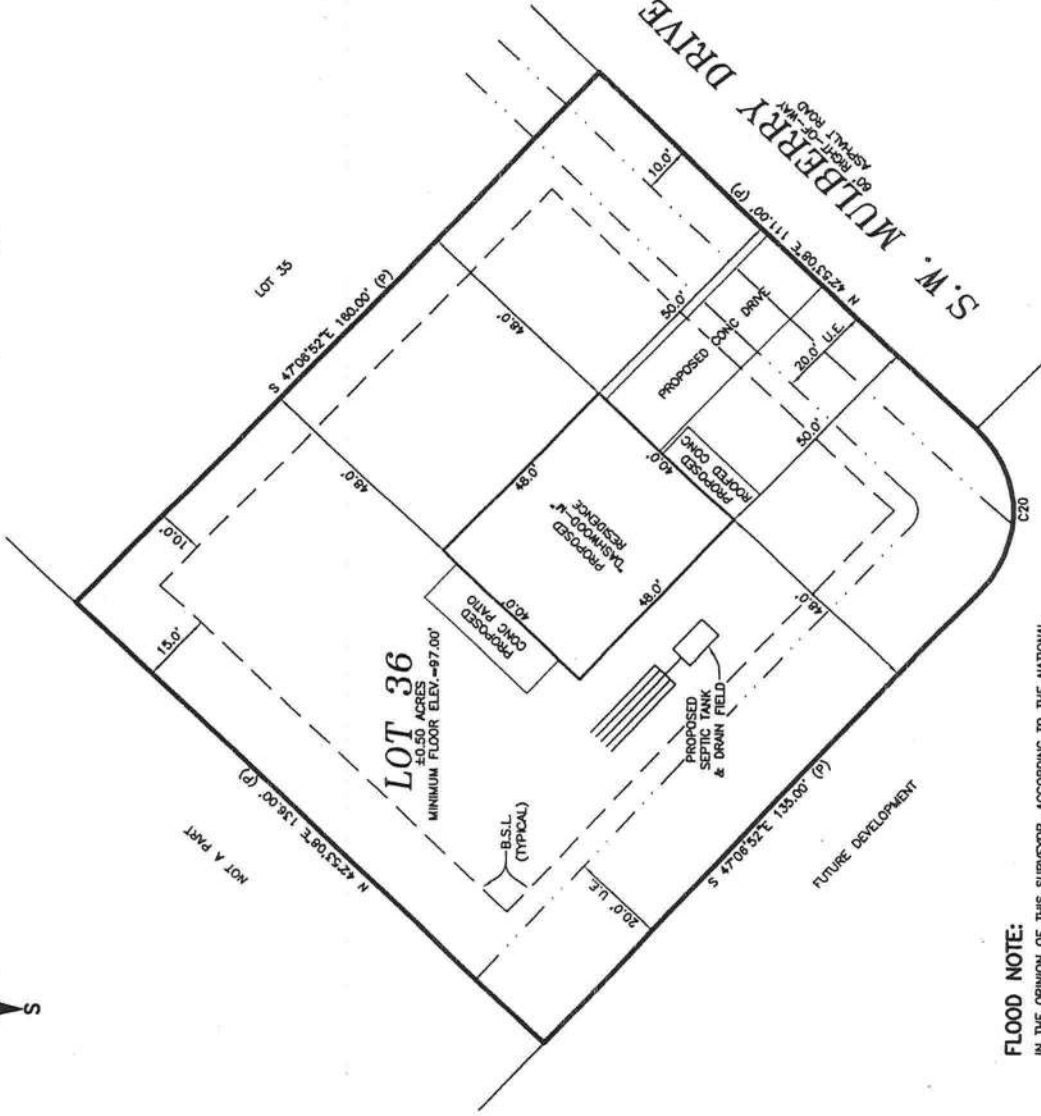
BY: JAMES E. BRINKMAN, PSM - FLA. CERT# 5582
DATE:

BRINKMAN SURVEYING & MAPPING INC.

4607 NW 6th STREET SUITE C, GAINESVILLE, FL 32609
PHONE: (352) 374-7707 FAX: (352) 374-8757

SCALE: 1" = 30'	DRAWN BY: B.G.
DATE: 9/19/2011	CHECKED BY: J.B.
FIELD WORK COMPLETED ON ***	FIELDBOOK #, PAGE **

PREPARED FOR: MARONDA	DRAWING NUMBER LOT36TM-11
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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 OR THE RECORDS OF THE COUNTY CLERK FOR ANY CLAIMS OF TITLE, EASEMENTS, OR INTERESTS THAT MAY AFFECT THIS PARCEL. THE PRESENCE OR ABSENCE OF ANY SUCH CLAIMS ARE NOT CERTIFIED 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 1-9-88, THIS PROPERTY IS IN FLOOD ZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE 500-YEAR FLOOD PLAIN, AS SCALED FROM SAID MAP. INFORMATION FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAPS, SHOWN ON THIS MAP, WAS CURRENT AS OF THE REFERENCED DATE. MAP REVISIONS AND AMENDMENTS ARE PERIODICALLY MADE BY LETTER AND MAY NOT BE REFLECTED ON THE MOST CURRENT MAP.

CERTIFIED TO:

1) MARONDA HOMES

BUILDING SETBACK NOTE:

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

BENCHMARK NOTE:

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

SURVEYOR NOTES:

- 1) TO THE BEST OF MY KNOWLEDGE, THERE ARE NO UNRECORDED EASEMENTS, BOUNDARY LINE DISPUTES, EASEMENTS, OR CLAIMS, OTHER THAN THOSE SHOWN 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.

LEGAL DESCRIPTION:

LOT 35 OF "TIMBERLANDS" AS PER PLAT THEREOF, AS RECORDED IN PLAT BOOK 9, PAGE 27, OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

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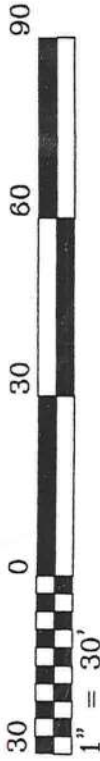
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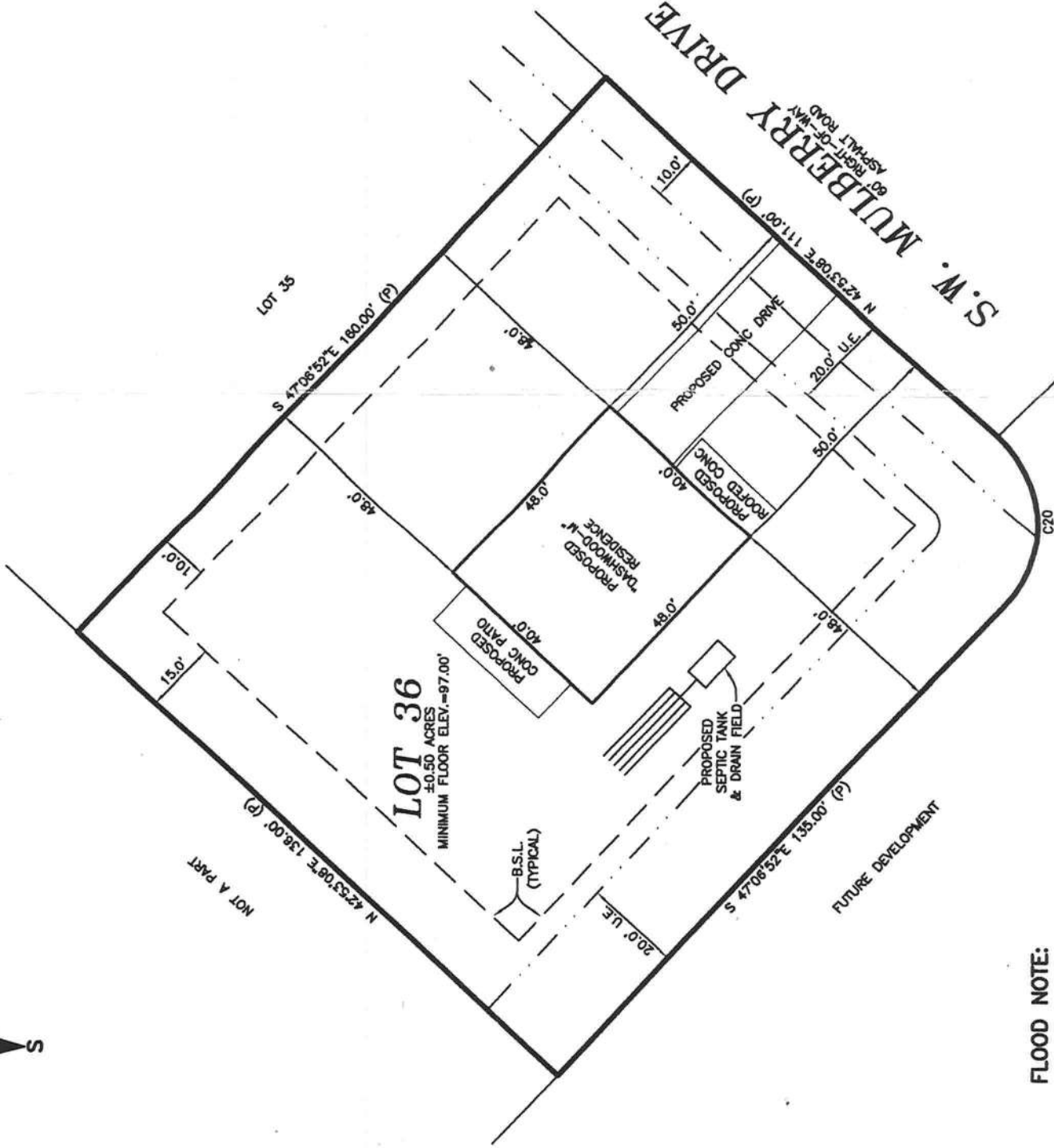
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BY: JAMES E. BRINKMAN, PSM - FLA. CERT# 5582
DATE: _____

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: B.G.
DATE: 9/19/2011		CHECKED BY: J.B.
FIELD WORK COMPLETED ON ****	FIELDBOOK **	PAGE **
PREPARED FOR: MARONDA		DRAWING NUMBER LOT36TM-11



TITLE NOTE:

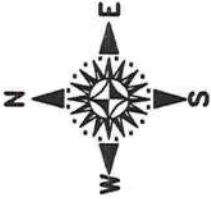
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CERTIFIED TO:

1) MARONDA HOMES

BUILDING SETBACK NOTE:

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FLOOD NOTE:

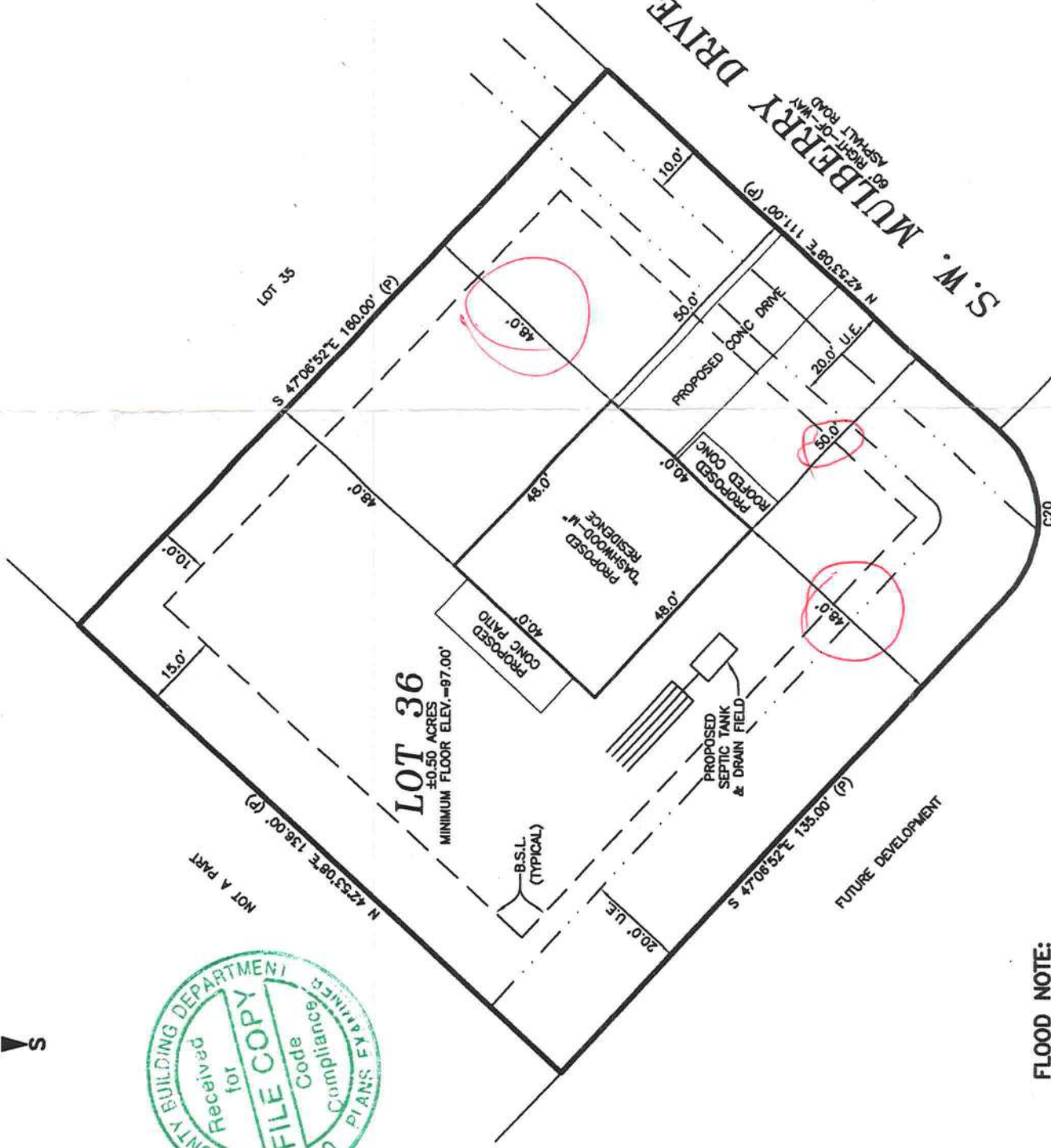
IN THE OPINION OF THIS SURVEYOR, ACCORDING TO THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 120070-0175-B, DATED 1-8-88, THIS PROPERTY IS IN FLOOD ZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE 500-YEAR FLOOD PLAIN, AS SCALED FROM SAID MAP. INFORMATION FROM THE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

TITLE NOTE:

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

PROPOSED BUILDING LAYOUT

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



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

CURVE TABLE:

CURVE	RADIUS	TANGENT	LENGTH	DELTA	CHORD	CHORD BEARING
C20(P)	25.00'	25.00'	39.27'	90°00'00"	35.36'	S 87°53'08" W

THIS IS NOT A BOUNDARY SURVEY
CERTIFICATE OF SURVEYOR:

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

I HEREBY CERTIFY THAT THE SURVEY DATA SHOWN HEREON, IS A TRUE AND CORRECT REPRESENTATION OF A SURVEY PERFORMED UNDER MY SUPERVISION OF THE HEREON DESCRIBED PROPERTY, AND IT MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF LAND SURVEYORS, PURSUANT TO SECTION 472.027, FLORIDA STATUTES, AND CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE.

BY: JAMES E. BRINKMAN, PSM - FLA. CERT# 5582
DATE:



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SCALE: 1" = 30'

DATE: 9/19/2011

FIELD WORK COMPLETED ON **** FIELDBOOK **, PAGE **

PREPARED FOR: MARONDA
DRAWING NUMBER
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