

DATE 01/16/2008

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT

000026622

APPLICANT PATRICK WILSON PHONE 352 206-5459
ADDRESS 6800 SOUTHPOINT PARKWAY JACKSONVILLE FL 32216
OWNER MARONDA HOMES PHONE 904 296-1490
ADDRESS 187 SW TIMBER RIDGE DRIVE LAKE CITY FL 32024
CONTRACTOR THEODORE BROCK PHONE 321 436-0393
LOCATION OF PROPERTY 90W, TL ON 247S, TR ON 252B, TL ON TIMBER RIDGE,
4TH ON RIGHT
TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 227750.00
HEATED FLOOR AREA 3901.00 TOTAL AREA 4555.00 HEIGHT STORIES 2
FOUNDATION CONC WALLS FRAMED ROOF PITCH 7/12 FLOOR SLAB
LAND USE & ZONING RSF-2 MAX. HEIGHT 25
Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00
NO. EX.D.U. 0 FLOOD ZONE X PP DEVELOPMENT PERMIT NO.

PARCEL ID 10-4S-16-02856-104 SUBDIVISION TIMBERLANDS
LOT 4 BLOCK PHASE UNIT TOTAL ACRES

000001523 CRC1326913
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
CULVERT 07-997 BK JH Y
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: MFE: 99', ELEVATION CONFIRMATION LETTER NEEDED BEFORE SLAB

Check # or Cash 861760

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$ 1140.00 CERTIFICATION FEE \$ 22.78 SURCHARGE FEE \$ 22.78
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ 25.00 TOTAL FEE 1285.56
INSPECTORS OFFICE CLERKS OFFICE

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

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

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

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

For Office Use Only Application # 0801-05 Date Received 1/3 By JW Permit # 1523/26622
Zoning Official BLC Date 08.01.08 Flood Zone X per plot FEMA Map # N/A Zoning RSF-2
Land Use Res. Low Dens Elevation N/A MFE 99' per plot River N/A Plans Examiner DK JTH Date 1-7-08
Comments Elevation Confirmation Letter Required
☒ NOC ☐ EH ☐ Deed or PA ☒ Site Plan ☐ State Road Info ☐ Parent Parcel #
☐ Dev Permit # ☐ In Floodway ☐ Letter of Authorization from Contractor
☐ Unincorporated area ☐ Incorporated area ☐ Town of Fort White ☐ Town of Fort White Compliance letter

Septic Permit No. 07-997

Fax (904)-332-6367

Name Authorized Person Signing Permit Theodore C. Brock/Melissa McKague Phone (904)-296-1490Address 6800 Southpoint Pkwy. #300 Jacksonville, FL 32216Owners Name Maronda Homes Inc. of Florida Phone (904)-296-1490911 Address 187 SW Timber Ridge Dr., LAKE CITY, FL 32024Contractors Name Theodore C. Brock Phone (407)-227-3504Address 6800 Southpoint Pkwy. #300 Jacksonville, FL 32216Fee Simple Owner Name & Address N/ABonding Co. Name & Address N/AArchitect/Engineer Name & Address Tomas Ponce 4005 Maronda Way Sanford, FL 32771Mortgage Lenders Name & Address Bank of America 250 Park Ave. S. #400 Winter Park, FL 32789Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progress EnergyProperty ID Number 10-45-10-02850-104 Estimated Cost of Construction 115,545Subdivision Name Timberlands Lot 4 Block Unit Phase 1Driving Directions Hwy 90, Left on 247 South; Right on 252B; Left on Timber Ridge. 4th onNumber of Existing Dwellings on Property 1Construction of Residential Single Family DwellingTotal Acreage .50 Lot Size Do you need a Culvert Permit or Culvert Waiver or Have an Existing DriveTotal Building Height 25'Actual Distance of Structure from Property Lines - Front 50' 20" Side 33' Side 32.2' Rear 90.6'Number of Stories 2 Heated Floor Area 3901 Total Floor Area 4555 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.

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.

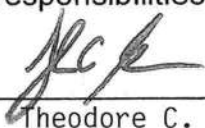
FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment

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.

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



Owners Signature Theodore C. Brock

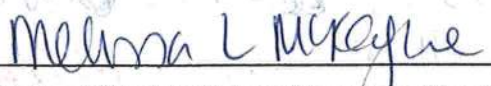
CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit.



Contractor's Signature (Permitee) Theodore C. Brock

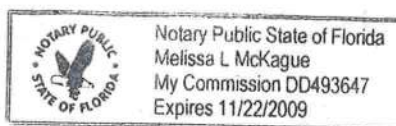
Contractor's License Number CRC 1326913
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 10 day of December 2007.
Personally known XXX or Produced Identification _____



State of Florida Notary Signature (For the Contractor)
Melissa L. McKague

SEAL:





STATE OF FLORIDA
DEPARTMENT OF HEALTH

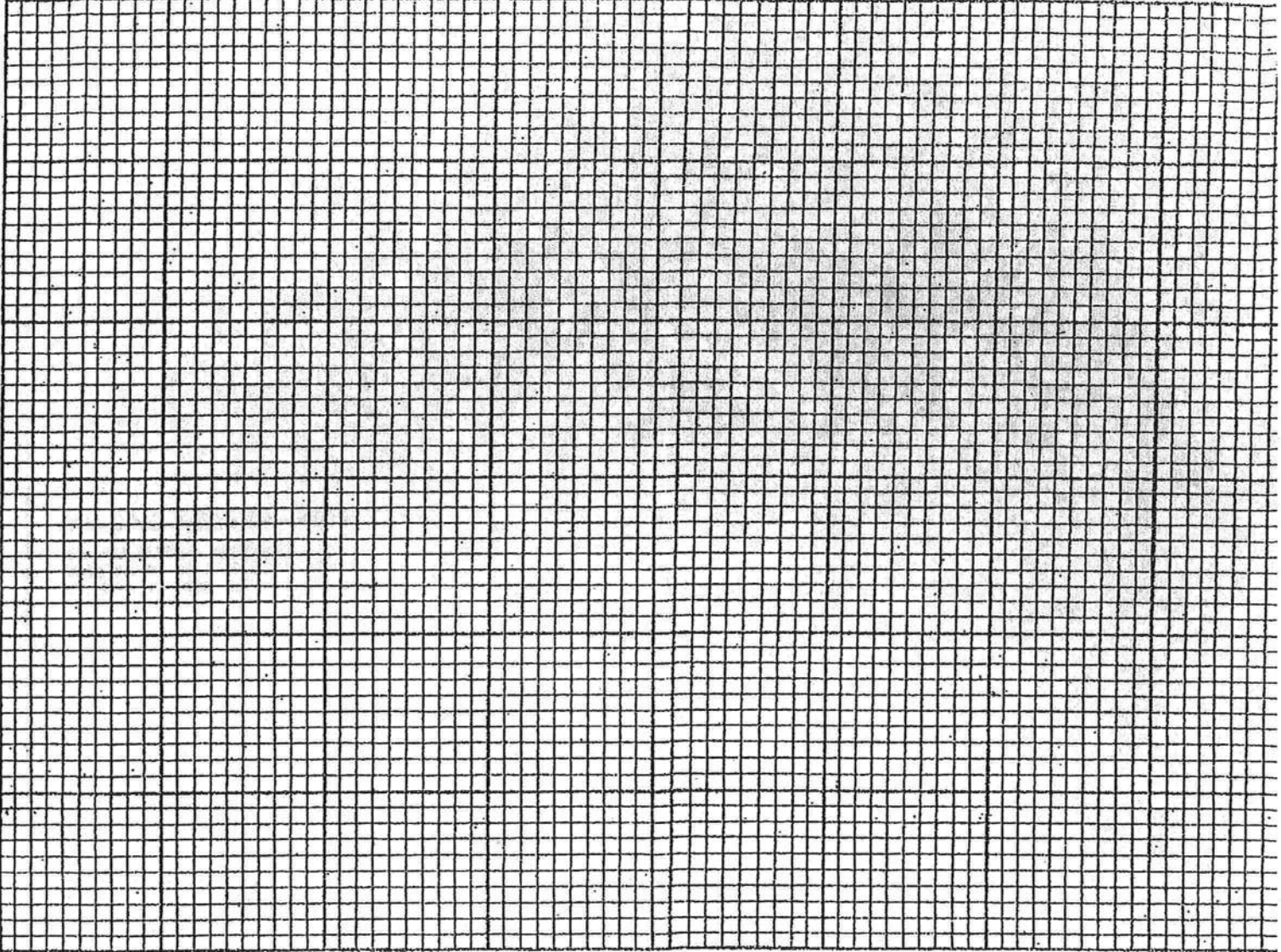
See attached.

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 02-0992

PART II - SITE PLAN

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



Notes: _____

Site Plan submitted by: Jessie Abreu Agent

Plan Approved ☒ Not Approved ☐ 12-28-07 Date 2007

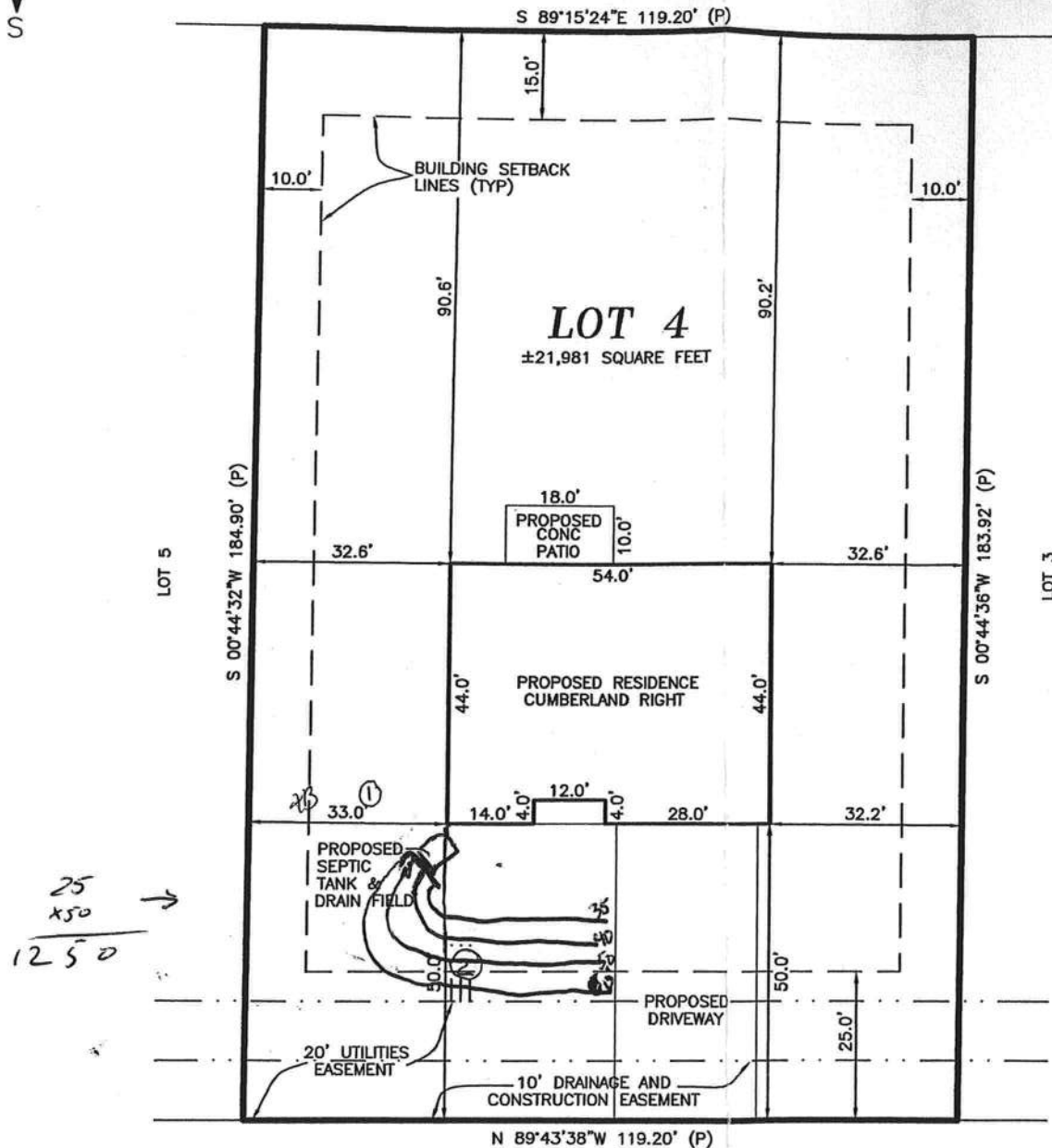
By Mr. 02 Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT



PROPOSED BUILDING LAYOUT

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



LEG

- = FOI
- IDE
- = FOI
- LB
- = SE
- LB
- = FOI
- NO
- = FOI
- NO
- = SE
- P.S
- ✕ = SE
- ✕ = FOI
- ⊠ = FOI
- R/
- ⊠ = CAI
- ⊠ = TEL
- ⊠ = WO

FLOOD NOTE:

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

TITLE NOTE:

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



Greater Lake City Regional Utility Authority

205 North Marion Avenue
LAKE CITY, FLORIDA 32055-3918
TELEPHONE: 386.719.5778 FAX: 386.719.5837
E-mail: customer.service@ci.lake-city.fl.us

APPLICATION FOR WATER/SEWER/GAS TAP-CAPACITY COMMITMENT

Project Name: Timberlands Date/Time: 12/10/07
Service Address: 187 SW Timber Ridge Dr
Applicant Name: Maronda Homes Telephone Number: (904)-296-1490
Applicant's Agent: Melissa McKague Telephone Number: (904)-296-1490 ext. 117
Business Name: Maronda Homes Inc. of Telephone Number: (904)-296-1490
Parcel ID #'s: _____
Mailing Address: 6800 Southpoint Pkwy #300 Jacksonville, FL 32216

Requested Water Capacity: ☐ No ☒ Yes, in the amount of _____ gpd/gph
Requested Sewer Capacity: ☐ No ☐ Yes, in the amount of _____ gpd/gph
Requested Gas Capacity: ☐ No ☐ Yes, in the amount of _____ btu/unit

Application For: ☒ Water/Tap Size 3/4 ☐ Sewer/Tap Size _____
☐ Irrigation/Tap Size _____ ☐ Gas/Tap Size _____

Meter Size /Quantity: ☒ 3/4" ☐ 1" ☐ 1 1/2" ☐ 2" ☐ 6" ☐ Other Specify _____

Within City limits: ☐ Yes ☒ No

Fire Protection: ☒ No ☐ Yes, Diameter of new mainline _____
Quantity of new Hydrants: _____

Growth Management Zoned: _____ ☒ Residential ☐ Commercial ☐ Industrial

The above named applicant request that an inspection be made by the Greater Lake City Regional Utility Authority for verification of available services based on address, parcel numbers, lot numbers, etc. Upon confirmation of both capacity and or availability, the applicant will be notified and provided a "Cost Estimate/Tap & Impact Fees" summary.

NOTE: This is only an estimate, fees are subject to change.

Applicant: Melissa L McKague

Date: 12/10/07

Service Available Date Requested

Date: ASAP

Billing will begin upon completion of tap.

This instrument prepared by:
William J. Haley, Esquire
Brannon, Brown,
Haley & Bullock, P. A.
P. O. Box 1029
Lake City, FL 32056-1029

Inst:200712024085 Date:10/26/2007 Time:4:45 PM
Doc Stamp-Deed:3276.00
28 DC, P. DeWitt Cason, Columbia County Page 1 of 2

SPECIAL WARRANTY DEED

THIS INDENTURE, made this 10th day of October, 2007, between **RML HOLDINGS, INC.**, a Florida corporation, having a mailing address of 703 NW Blackberry Circle, Lake City, Florida 32055, hereinafter referred to as Grantor, and **MARONDA HOMES, INC. OF FLORIDA**, a Florida corporation, having a mailing address of 3993 West First Street, Sanford, Florida 32771, hereinafter referred to as Grantee.

WITNESSETH: That said Grantor, for and in consideration of the sum of \$10.00 and other good and valuable considerations to said Grantor in hand paid by said Grantee, the receipt and sufficiency of which are hereby acknowledged, have granted, bargained and sold to the said Grantee, and Grantee's successors and assigns forever, the following described land, situate, lying and being in **Columbia** County, Florida, to-wit:

Lot(s) 2, 3, 4, 5, 6, 7, 8, 21, 22, 23, 25, and 26, **TIMBERLANDS, PHASE 1**, according to the plat thereof, as recorded in Plat Book 9, pages 26-27, public records of Columbia County, Florida.

PARCEL NO. Part of 10-4S-16-02856-000 and 15-4S-16-02990-000

SUBJECT TO: Taxes and special assessments for the year 2007 and subsequent years; restrictions, reservations, rights of way for public roads, easements of record, if any; and zoning and any other governmental restrictions regulating the use of the lands.

and said Grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons claiming by, through or under said Grantor.

IN WITNESS WHEREOF, Grantor has hereunto set its hand and seal the day and year first above written.

Signed, sealed and delivered
in the presence of:

RML HOLDINGS, INC., a Florida
corporation

Linda Brown
Print Name: Linda Brown

By: Margaret Lardizabal
Margaret Lardizabal
Vice President

Debbie G. Moore
Print Name: Debbie G. Moore

STATE OF FLORIDA
COUNTY OF COLUMBIA

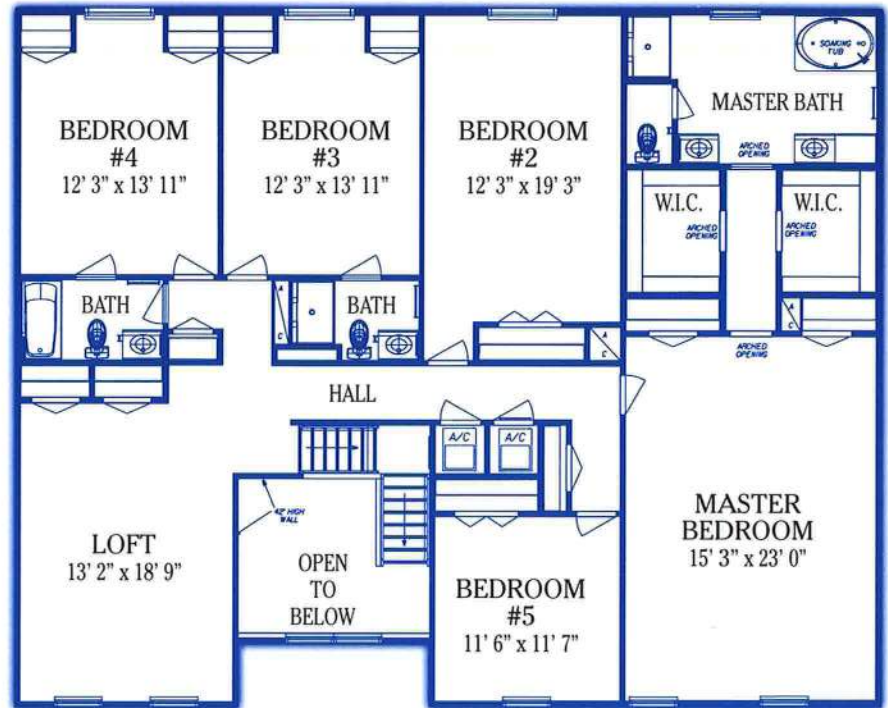
The foregoing instrument was acknowledged before me this 10th day of October, 2007, by Margaret Lardizabal, as Vice President of RML Holdings, Inc., a Florida corporation, on behalf of said corporation, who is personally known to me.

Debbie G. Moore
Notary Public, State of Florida

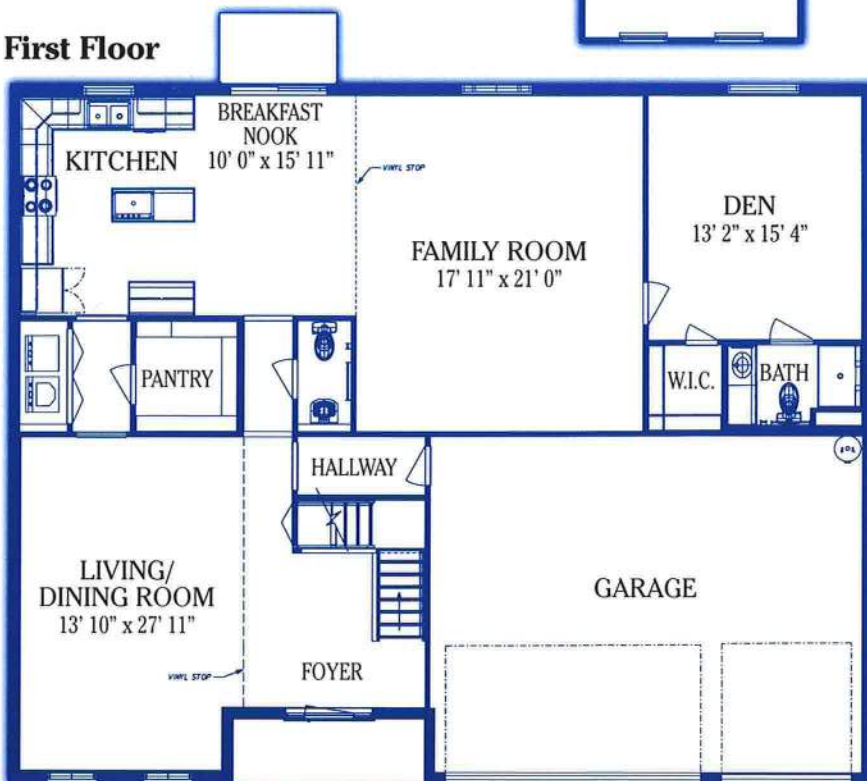


Maronda Homes
CUMBERLAND
 AMERICANA SERIES
 (5 Bedroom)

Second Floor



First Floor



1st Floor Living:	1722 sq. ft.
2nd Floor Living:	2179 sq. ft.
Total Living	3901 sq. ft.

Garage Area:	606 sq. ft.
Covered Entry:	48 sq. ft.
Total Area	4555 sq. ft.

Prices, plans, dimensions, features, specifications, materials and availability of Maronda Homes or communities are subject to change without prior notice or obligation. Maronda Homes illustrations are artist's depictions only and may differ from completed improvements. Copyright 2002 © Maronda Homes Inc. of Florida. All Rights Reserved.

www.maronda.com

Providing More Home for Less Money . . . It's the Way We Do Business!



FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

4/1 TM

Project Name: **CUMBERLAND GAINESVILLE**
Address: **187 SW Timber Ridge Dr.**
City, State: **LAKE CITY, FL 32055**
Owner: **ELECTRIC**
Climate Zone: **North**

Builder: **MARONDA HOMES**
Permitting Office: **Columbia**
Permit Number: **26622**
Jurisdiction Number: **221000**

1. New construction or existing New ☐
2. Single family or multi-family Single family ☐
3. Number of units, if multi-family 2 ☐
4. Number of Bedrooms 5 ☐
5. Is this a worst case? Yes ☐
6. Conditioned floor area (ft²) 3901 ft² ☐
7. Glass type¹ and area: (Label reqd. by 13-104.4.5 if not default)
 - a. U-factor: Description Area ☐
 - (or Single or Double DEFAULT) 7a(Sngle Default) 382.0 ft² ☐
 - b. SHGC: 7b. (Clear) 382.0 ft² ☐
 - (or Clear or Tint DEFAULT) ☐
8. Floor types
 - a. Slab-On-Grade Edge Insulation R=0.0, 194.0(p) ft ☐
 - b. Raised Wood, Adjacent R=11.0, 600.0ft² ☐
 - c. N/A ☐
9. Wall types
 - a. Concrete, Int Insul, Exterior R=4.1, 943.0 ft² ☐
 - b. Frame, Wood, Exterior R=11.0, 1395.0 ft² ☐
 - c. Frame, Wood, Adjacent R=11.0, 374.0 ft² ☐
 - d. N/A ☐
 - e. N/A ☐
10. Ceiling types
 - a. Under Attic R=19.0, 2230.0 ft² ☐
 - b. N/A ☐
 - c. N/A ☐
11. Ducts
 - a. Sup: Unc. Ret: Con. AH(Sealed):Interior Sup. R=6.0, 150.0 ft ☐
 - b. Sup: Unc. Ret: Con. AH(Sealed):Interior Sup. R=6.0, 150.0 ft ☐

12. Cooling systems
 - a. Central Unit Cap: 47.5 kBtu/hr ☐
 - SEER: 14.00 ☐
 - b. Central Unit Cap: 34.6 kBtu/hr ☐
 - SEER: 14.00 ☐
 - c. N/A ☐
13. Heating systems
 - a. Electric Heat Pump Cap: 47.5 kBtu/hr ☐
 - HSPF: 8.70 ☐
 - b. Electric Heat Pump Cap: 34.6 kBtu/hr ☐
 - HSPF: 8.50 ☐
 - c. N/A ☐
14. Hot water systems
 - a. Electric Resistance Cap: 50.0 gallons ☐
 - EF: 0.90 ☐
 - b. N/A ☐
 - c. Conservation credits ☐
 - (HR-Heat recovery, Solar
 - DHP-Dedicated heat pump)
15. HVAC credits PT, ☐
 - (CF-Ceiling fan, CV-Cross ventilation,
 - HF-Whole house fan,
 - PT-Programmable Thermostat,
 - MZ-C-Multizone cooling,
 - MZ-H-Multizone heating)

Glass/Floor Area: 0.10

Total as-built points: 41452

Total base points: 46030

PASS

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

PREPARED BY: *[Signature]*

DATE: Gary Carmack 12/13/10

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

OWNER/AGENT: Melina McKeage

DATE: Melina McKeage 12/13/10

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



BUILDING OFFICIAL: _____

DATE: _____

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

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

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X SPM X SOF = Points				
.18	3901.0	18.59	13054.0	1.Single, Clear	E	1.0	13.0	10.0	47.92	1.00	477.0
				2.Single, Clear	E	1.0	17.0	40.0	47.92	1.00	1910.0
				3.Single, Clear	E	1.0	15.0	30.0	47.92	1.00	1432.0
				4.Single, Clear	E	1.0	15.0	32.0	47.92	1.00	1527.0
				5.Single, Clear	W	1.0	16.0	32.0	43.84	1.00	1398.0
				6.Single, Clear	W	2.0	14.0	10.0	43.84	0.98	431.0
				7.Single, Clear	E	1.0	6.0	32.0	47.92	0.97	1484.0
				8.Single, Clear	N	1.0	6.0	16.0	21.73	0.97	338.0
				9.Single, Clear	W	1.0	6.0	32.0	43.84	0.97	1358.0
				10.Single, Clear	W	2.0	7.0	36.0	43.84	0.88	1394.0
				11.Single, Clear	E	1.0	6.0	32.0	47.92	0.97	1484.0
				12.Single, Clear	E	1.0	6.0	16.0	47.92	0.97	742.0
				13.Single, Clear	S	1.0	6.0	16.0	40.81	0.94	614.0
				14.Single, Clear	W	1.0	6.0	48.0	43.84	0.97	2038.0
				As-Built Total:		382.0			16627.0		
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	374.0	0.70	261.8	1. Concrete, Int Insul, Exterior	4.1		943.0	1.13	1070.3		
Exterior	2338.0	1.70	3974.6	2. Frame, Wood, Exterior	11.0		1395.0	1.70	2371.5		
				3. Frame, Wood, Adjacent	11.0		374.0	0.70	261.8		
Base Total:	2712.0		4236.4	As-Built Total:		2712.0		3703.6			
DOOR TYPES Area X BSPM = Points				Type			Area X SPM = Points				
Adjacent	18.0	2.40	43.2	1.Exterior Insulated			20.0	4.10	82.0		
Exterior	20.0	6.10	122.0	2.Adjacent Wood			18.0	2.40	43.2		
Base Total:	38.0		165.2	As-Built Total:		38.0		125.2			
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	2186.0	1.73	3781.8	1. Under Attic	19.0		2230.0	2.34 X 1.00	5218.2		
Base Total:	2186.0		3781.8	As-Built Total:		2230.0		5218.2			
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Slab	194.0(p)	-37.0	-7178.0	1. Slab-On-Grade Edge Insulation	0.0		194.0(p)	-41.20	-7992.8		
Raised	600.0	-3.99	-2394.0	2. Raised Wood, Adjacent	11.0		600.0	0.70	420.0		
Base Total:			-9572.0	As-Built Total:		794.0		-7572.8			

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

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
INFILTRATION Area X BSPM = Points				Area X SPM = Points						
3901.0 10.21 39829.2				3901.0 10.21 39829.2						
Summer Base Points: 51494.6				Summer As-Built Points: 57930.4						
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component (System - Points)	X	Cap Ratio (DM x DSM x AHU)	X Duct Multiplier	X System Multiplier	X Credit Multiplier	= Cooling Points
51494.6	0.3250	16735.7		(sys 1: Central Unit 47500btuh ,SEER/EFF(14.0) Ducts:Unc(S),Con(R),Int(AH),R6.0(INS)						
				57930	0.58	(1.08 x 1.147 x 0.86)	0.244	0.950	8320.4	
			(sys 2: Central Unit 34600btuh ,SEER/EFF(14.0) Ducts:Unc(S),Con(R),Int(AH),R6.0(INS)							
			57930	0.42	(1.08 x 1.147 x 0.86)	0.244	0.950	6060.7		
			57930.4	1.00	1.072	0.244	0.950	14381.1		

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	3901.0	20.17	14163.0	1.Single, Clear	E	1.0	13.0	10.0	26.41	1.00	265.0
				2.Single, Clear	E	1.0	17.0	40.0	26.41	1.00	1060.0
				3.Single, Clear	E	1.0	15.0	30.0	26.41	1.00	795.0
				4.Single, Clear	E	1.0	15.0	32.0	26.41	1.00	848.0
				5.Single, Clear	W	1.0	16.0	32.0	28.84	1.00	923.0
				6.Single, Clear	W	2.0	14.0	10.0	28.84	1.00	289.0
				7.Single, Clear	E	1.0	6.0	32.0	26.41	1.02	858.0
				8.Single, Clear	N	1.0	6.0	16.0	33.22	1.00	531.0
				9.Single, Clear	W	1.0	6.0	32.0	28.84	1.01	930.0
				10.Single, Clear	W	2.0	7.0	36.0	28.84	1.03	1071.0
				11.Single, Clear	E	1.0	6.0	32.0	26.41	1.02	858.0
				12.Single, Clear	E	1.0	6.0	16.0	26.41	1.02	429.0
				13.Single, Clear	S	1.0	6.0	16.0	20.24	1.03	332.0
				14.Single, Clear	W	1.0	6.0	48.0	28.84	1.01	1395.0
				As-Built Total:				382.0	10584.0		
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	374.0	3.60	1346.4	1. Concrete, Int Insul, Exterior	4.1		943.0	6.42		6054.1	
Exterior	2338.0	3.70	8650.6	2. Frame, Wood, Exterior	11.0		1395.0	3.70		5161.5	
				3. Frame, Wood, Adjacent	11.0		374.0	3.60		1346.4	
Base Total:	2712.0		9997.0	As-Built Total:		2712.0		12562.0			
DOOR TYPES Area X BWPM = Points				Type			Area X WPM = Points				
Adjacent	18.0	11.50	207.0	1.Exterior Insulated			20.0	8.40		168.0	
Exterior	20.0	12.30	246.0	2.Adjacent Wood			18.0	11.50		207.0	
Base Total:	38.0		453.0	As-Built Total:		38.0		375.0			
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	2186.0	2.05	4481.3	1. Under Attic	19.0		2230.0	2.70 X 1.00		6021.0	
Base Total:	2186.0		4481.3	As-Built Total:		2230.0		6021.0			
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	194.0(p)	8.9	1726.6	1. Slab-On-Grade Edge Insulation	0.0		194.0(p)	18.80		3647.2	
Raised	600.0	0.96	576.0	2. Raised Wood, Adjacent	11.0		600.0	3.60		2160.0	
Base Total:			2302.6	As-Built Total:		794.0		5807.2			

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

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT					
INFILTRATION Area X BWPM = Points				Area X WPM = Points					
	3901.0	-0.59	-2301.6		3901.0	-0.59	-2301.6		
Winter Base Points: 29095.3				Winter As-Built Points: 33047.6					
Total Winter X System = Heating Points Multiplier Points				Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)					
				(sys 1: Electric Heat Pump 47500 btuh ,EFF(8.7) Ducts:Unc(S),Con(R),Int(AH),R6.0 33047.6 0.579 (1.060 x 1.169 x 0.88)0.392 0.950 7794.3 (sys 2: Electric Heat Pump 34600 btuh ,EFF(8.5) Ducts:Unc(S),Con(R),Int(AH),R6.0 33047.6 0.421 (1.060 x 1.169 x 0.88)0.401 0.950 5811.1					
29095.3	0.5540	16118.8		33047.6	1.00	1.095	0.396	0.950	13603.6

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING									
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit = Total Multiplier
5		2635.00	13175.0	50.0	0.90	5	1.00	2693.56	1.00 13467.8
				As-Built Total:					13467.8

CODE COMPLIANCE STATUS									
BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	Cooling Points	+	Heating Points	+	Hot Water Points = Total Points
16736		16119		13175 46030	14381		13604		13468 41452

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 86.6

The higher the score, the more efficient the home.

ELECTRIC, , , ,

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 47.5 kBtu/hr ___
3. Number of units, if multi-family	2	___		SEER: 14.00 ___
4. Number of Bedrooms	5	___	b. Central Unit	Cap: 34.6 kBtu/hr ___
5. Is this a worst case?	Yes	___		SEER: 14.00 ___
6. Conditioned floor area (ft ²)	3901 ft ²	___	c. N/A	___
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)				
a. U-factor:	Description Area		13. Heating systems	
(or Single or Double DEFAULT)	7a(Sngle Default) 382.0 ft ²	___	a. Electric Heat Pump	Cap: 47.5 kBtu/hr ___
b. SHGC:				HSPF: 8.70 ___
(or Clear or Tint DEFAULT)	7b. (Clear) 382.0 ft ²	___	b. Electric Heat Pump	Cap: 34.6 kBtu/hr ___
8. Floor types				HSPF: 8.50 ___
a. Slab-On-Grade Edge Insulation	R=0.0, 194.0(p) ft	___	c. N/A	___
b. Raised Wood, Adjacent	R=11.0, 600.0ft ²	___		
c. N/A		___	14. Hot water systems	
9. Wall types			a. Electric Resistance	Cap: 50.0 gallons ___
a. Concrete, Int Insul, Exterior	R=4.1, 943.0 ft ²	___		EF: 0.90 ___
b. Frame, Wood, Exterior	R=11.0, 1395.0 ft ²	___	b. N/A	___
c. Frame, Wood, Adjacent	R=11.0, 374.0 ft ²	___		
d. N/A		___	c. Conservation credits	___
e. N/A		___	(HR-Heat recovery, Solar	
10. Ceiling types			DHP-Dedicated heat pump)	
a. Under Attic	R=19.0, 2230.0 ft ²	___	15. HVAC credits	PT, ___
b. N/A		___	(CF-Ceiling fan, CV-Cross ventilation,	
c. N/A		___	HF-Whole house fan,	
11. Ducts			PT-Programmable Thermostat,	
a. Sup: Unc. Ret: Con. AH(Sealed):Interior	Sup. R=6.0, 150.0 ft	___	MZ-C-Multizone cooling,	
b. Sup: Unc. Ret: Con. AH(Sealed):Interior	Sup. R=6.0, 150.0 ft	___	MZ-H-Multizone heating)	

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

Builder Signature: Melina Mergue

Date: 12/13/10

Address of New Home: 187 SW Timber Ridge Dr City/FL Zip: Lake City, FL 32055



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

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



Project Summary

Entire House

MARONDA HOMES

Job: CUMBERLAND 1ST FL...
Date:
By: G. CARMACK

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

Project Information

For: CUMBERLAND 1ST FLOOR

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

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

Summer Design Conditions

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

Heating Summary

Structure	25896 Btuh
Ducts	2809 Btuh
Central vent (100 cfm)	4048 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	32753 Btuh

Sensible Cooling Equipment Load Sizing

Structure	17090 Btuh
Ducts	6067 Btuh
Central vent (100 cfm)	1860 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.97
Equipment sensible load	24266 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0
Area (ft ²)	Heating 1722 Cooling 1722
Volume (ft ³)	13776 13776
Air changes/hour	0.38 0.20
Equiv. AVF (cfm)	87 46

Latent Cooling Equipment Load Sizing

Structure	3214 Btuh
Ducts	1365 Btuh
Central vent (100 cfm)	3516 Btuh
Equipment latent load	8095 Btuh
Equipment total load	32361 Btuh
Req. total capacity at 0.78 SHR	2.6 ton

Heating Equipment Summary

Make	TEMPSTAR
Trade	HEAT PUMP
Model	N4H336AKA
Efficiency	8.5 HSPF
Heating input	
Heating output	0 Btuh @ 47°F
Temperature rise	0 °F
Actual air flow	0 cfm
Air flow factor	0.000 cfm/Btuh
Static pressure	0.60 in H2O
Space thermostat	

Cooling Equipment Summary

Make	TEMPSTAR
Trade	HEAT PUMP
Cond	N4H336AKA
Coil	FEM4X3600
Efficiency	14 SEER
Sensible cooling	26988 Btuh
Latent cooling	7612 Btuh
Total cooling	34600 Btuh
Actual air flow	935 cfm
Air flow factor	0.040 cfm/Btuh
Static pressure	0.60 in H2O
Load sensible heat ratio	0.76

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Project Information

For: CUMBERLAND 1ST FLOOR

Design Conditions

Location:

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

Outdoor:

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

Heating

33
-
-
15.0

Cooling

92
19 (M)
77
7.5

Indoor:

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

Heating

70
37
30
10.6

Cooling

75
17
50
52.0

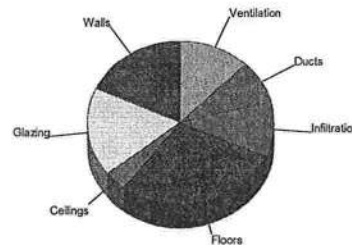
Infiltration:

Method
Construction quality
Fireplaces

Simplified
Average
0

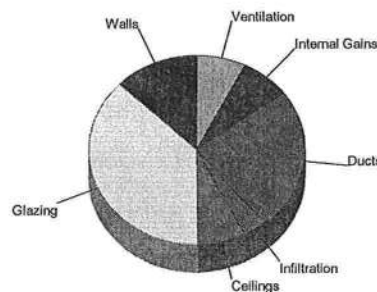
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	4.3	5949	18.2
Glazing	47.0	5733	17.5
Doors	0.0	0	0.0
Ceilings	1.8	1287	3.9
Floors	10.1	9396	28.7
Infiltration	2.4	3532	10.8
Ducts		2809	8.6
Piping		0	0.0
Humidification		0	0.0
Ventilation		4048	12.4
Adjustments		0	0.0
Total		32753	100.0



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	2.3	3221	12.9
Glazing	76.6	9344	37.4
Doors	0.0	0	0.0
Ceilings	2.6	1832	7.3
Floors	0.0	0	0.0
Infiltration	0.6	854	3.4
Ducts		6067	24.3
Ventilation		1860	7.4
Internal gains		1840	7.4
Blower		0	0.0
Adjustments		0	0.0
Total		25017	100.0



Overall U-value = 0.193 Btuh/ft²-°F

Data entries checked.



Project Summary
Entire House
MARONDA HOMES

Job: CUMBERLAND 2ND FL...
Date:
By: G. CARMACK

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

Project Information

For: CUMBERLAND 2ND FLOOR

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

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

Summer Design Conditions

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

Heating Summary

Structure	24477 Btuh
Ducts	4488 Btuh
Central vent (100 cfm)	4048 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	33013 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft ²)	2179	2179
Volume (ft ³)	17432	17432
Air changes/hour	0.32	0.16
Equiv. AVF (cfm)	93	46

Heating Equipment Summary

Make TEMPSTAR
Trade HEAT PUMP
Model N4H348AKA

Efficiency	8.7 HSPF
Heating input	
Heating output	0 Btuh @ 47°F
Temperature rise	0 °F
Actual air flow	0 cfm
Air flow factor	0.000 cfm/Btuh
Static pressure	0.60 in H2O
Space thermostat	

Sensible Cooling Equipment Load Sizing

Structure	22940 Btuh
Ducts	9621 Btuh
Central vent (100 cfm)	1860 Btuh
Blower	0 Btuh

Use manufacturer's data	n
Rate/swing multiplier	0.97
Equipment sensible load	33388 Btuh

Latent Cooling Equipment Load Sizing

Structure	4634 Btuh
Ducts	2251 Btuh
Central vent (100 cfm)	3516 Btuh
Equipment latent load	10401 Btuh

Equipment total load	43789 Btuh
Req. total capacity at 0.76 SHR	3.7 ton

Cooling Equipment Summary

Make TEMPSTAR
Trade HEAT PUMP
Cond N4H348AKA
Coil FEM4X4800

Efficiency	14 SEER
Sensible cooling	36100 Btuh
Latent cooling	11400 Btuh
Total cooling	47500 Btuh
Actual air flow	1270 cfm
Air flow factor	0.039 cfm/Btuh
Static pressure	0.60 in H2O
Load sensible heat ratio	0.77

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Project Information

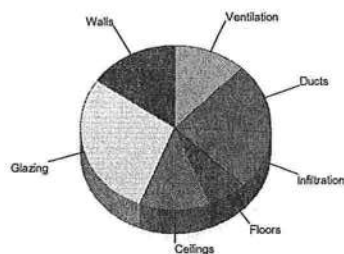
For: CUMBERLAND 2ND FLOOR

Design Conditions

Location:		Indoor:		Heating	Cooling
Gainesville, FL, US		Indoor temperature (°F)		70	75
Elevation: 151 ft		Design TD (°F)		37	17
Latitude: 30°N		Relative humidity (%)		30	50
		Moisture difference (gr/lb)		10.6	52.0
Outdoor:		Infiltration:			
Dry bulb (°F)		Method		Simplified	
Daily range (°F)		Construction quality		Average	
Wet bulb (°F)		Fireplaces		0	
Wind speed (mph)					

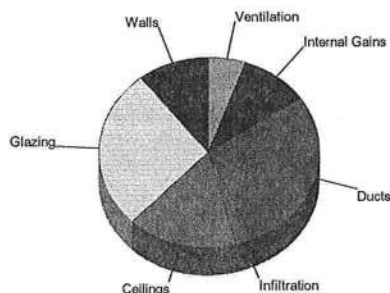
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	3.6	5060	15.3
Glazing	47.0	9492	28.8
Doors	0.0	0	0.0
Ceilings	1.8	3951	12.0
Floors	1.1	2211	6.7
Infiltration	2.3	3763	11.4
Ducts		4488	13.6
Piping		0	0.0
Humidification		0	0.0
Ventilation		4048	12.3
Adjustments		0	0.0
Total		33013	100.0



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	2.6	3659	10.6
Glazing	46.3	9345	27.2
Doors	0.0	0	0.0
Ceilings	2.6	5621	16.3
Floors	0.0	0	0.0
Infiltration	0.5	865	2.5
Ducts		9621	28.0
Ventilation		1860	5.4
Internal gains		3450	10.0
Blower		0	0.0
Adjustments		0	0.0
Total		34421	100.0



Overall U-value = 0.097 Btuh/ft²-°F

Data entries checked.

Duct System Summary

Entire House

MARONDA HOMES

Job: CUMBERLAND 1ST FLO...
 Date:
 By: G. CARMACK

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

Project Information

For: CUMBERLAND 1ST FLOOR

	Heating	Cooling
External static pressure	0.60 in H2O	0.60 in H2O
Pressure losses	0.00 in H2O	0.00 in H2O
Available static pressure	0.60 in H2O	0.60 in H2O
Supply / return available pressure	0.48 / 0.12 in H2O	0.48 / 0.12 in H2O
Lowest friction rate	1.935 in/100ft	1.935 in/100ft
Actual air flow	930 cfm	930 cfm
Total effective length (TEL)	31 ft	

Supply Branch Detail Table

Name	Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	Rect Size (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
KITCHEN/NOOK	c 623 0	230	230	1.935	8	x0	VIFx	25.0	0.0	st1
FAMILY	c 528 6	240	240	1.935	8	x0	VIFx	25.0	0.0	ST2
DEN	c 421 3	170	170	1.935	7	x0	VIFx	25.0	0.0	ST2
DEN BATH	h 183 7	20	20	1.935	4	x0	VIFx	25.0	0.0	ST2
DOWN BATH	c 177 8	25	25	1.935	4	x0	VIFx	25.0	0.0	st1
LIVING	h 792 7	245	245	1.935	8	x0	VIFx	25.0	0.0	st1

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
st1	Peak AVF	500	500	1.935	685	12	0 x 0	VinIFlx	
ST2	Peak AVF	430	430	1.935	512	12	0 x 0	VinIFlx	

Return Branch Detail Table

Name	Grill Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	RectSize (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb1	0x 0	930	930	6.0	1.935	670	18	x0 0		VIFx	

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Duct System Summary

Entire House

MARONDA HOMES

Job: CUMBERLAND 2ND FLO...
 Date:
 By: G. CARMACK

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

Project Information

For: CUMBERLAND 2ND FLOOR

	Heating	Cooling
External static pressure	0.60 in H2O	0.60 in H2O
Pressure losses	0.00 in H2O	0.00 in H2O
Available static pressure	0.60 in H2O	0.60 in H2O
Supply / return available pressure	0.43 / 0.17 in H2O	0.43 / 0.17 in H2O
Lowest friction rate	2.857 in/100ft	2.857 in/100ft
Actual air flow	1270 cfm	1270 cfm
Total effective length (TEL)	21 ft	

Supply Branch Detail Table

Name	Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	Rect Size (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
BDR #3	h 3571	170	170	2.857	7	x0	VIFx	15.0	0.0	ST3
BDR #4	c 4522	170	170	2.857	7	x0	VIFx	15.0	0.0	st4
MASTER TOILET	c 779	25	25	2.857	4	x0	VIFx	15.0	0.0	st1
LOFT	h 6176	200	200	4.286	7	x0	VIFx	10.0	0.0	st4
BDR #5	c 2617	95	95	4.286	6	x0	VIFx	10.0	0.0	ST2
HALLWAY	c 2594	75	75	8.571	6	x0	VIFx	5.0	0.0	ST3
BDR #2	h 3115	170	170	8.571	7	x0	VIFx	5.0	0.0	st1
MASTER BATH	h 2732	85	85	2.857	6	x0	VIFx	15.0	0.0	st1
BATH #2	h 410	20	20	2.857	4	x0	VIFx	15.0	0.0	ST3
BATH #1	h 401	20	20	8.571	4	x0	VIFx	5.0	0.0	st4
MASTER BDR-A	h 2494	120	120	4.286	6	x0	VIFx	10.0	0.0	ST2
MASTER BDR	h 2494	120	120	4.286	6	x0	VIFx	10.0	0.0	ST2

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
st1	Peak AVF	280	280	2.857	678	9	0 x 0	VinIFlx	st3
ST2	Peak AVF	335	335	4.286	641	9	0 x 0	VinIFlx	
ST3	Peak AVF	655	655	2.857	601	12	0 x 0	VinIFlx	
st4	Peak AVF	390	390	2.857	549	10	0 x 0	VinIFlx	

Bold/italic values have been manually overridden

Return Branch Detail Table

Name	Grill Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	RectSize (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb1	0x0	1270	1270	6.0	2.857	582	20	x0 0		VIFx	

NOTICE OF COMMENCEMENT

26622

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number _____

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): 4/1 Timberlands
a) Street (job) Address: 187 SW Timber Ridge Dr.
2. General description of improvements: Construction of a single family dwelling
3. Owner Information
a) Name and address: Maronda Homes Inc. of FL 6800 Southpoint Pkwy #300 Jax. FL 32216
b) Name and address of fee simple titleholder (if other than owner) _____
c) Interest in property _____
4. Contractor Information
a) Name and address: Theodore C. Brock 6800 Southpoint Pkwy #300 Jax. FL 32216
b) Telephone No.: (407)-227-3504 Fax No. (Opt.) _____
5. Surety Information
a) Name and address: _____
b) Amount of Bond: _____
c) Telephone No.: _____ Fax No. (Opt.) _____
6. Lender
a) Name and address: Bank of America 250 Park Ave S. #400 Winter Park, FL 32789
b) Phone No. _____
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
a) Name and address: Kampf Title and Guaranty Corp. P.O. Box 1359 200 W. 1st St.
b) Telephone No.: _____ Fax No. (Opt.) Winter Park, FL 32771
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(l)(b), Florida Statutes:
a) Name and address: Staff at Maronda Homes Inc. of FL
b) Telephone No.: (904)-296-1490 Fax No. (Opt.) _____
9. Expiration date of Notice of Commencement (the expiration date is one year from the date of recording unless a different date is specified): _____

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

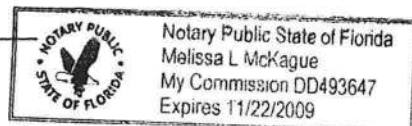
STATE OF FLORIDA
COUNTY OF COLUMBIA

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

The foregoing instrument was acknowledged before me, a Florida Notary, this 3 day of January, 2008, by:
Theodore C. Brock as V.P. of Construction (type of authority, e.g. officer, trustee, attorney
fact) for Maronda Homes Inc. of FL (name of party on behalf of whom instrument was executed).

Personally Known XX OR Produced Identification _____ Type _____

Notary Signature Melissa L McKague Notary Stamp or Seal:



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

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

Columbia County Building Department Culvert Permit

Culvert Permit No.
000001523

DATE 01/16/2008 PARCEL ID # 10-4S-16-02856-104
APPLICANT PATRICK WILSON PHONE 352 206-5459
ADDRESS 6800 SOUTHPOINT PARKWAY JACKSONVILLE FL 32216
OWNER MARONDA HOMES PHONE 904 296-1490
ADDRESS 187 SW TIMBER RIDGE DR LAKE CITY FL 32024
CONTRACTOR THEODORE BROCK PHONE 321 436-0393
LOCATION OF PROPERTY 90W, TL ON 247S, TR ON 252B, TL ON TIMBER RIDGE,
4TH ON RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT TIMBERLANDS 4

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



Maronda Systems

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

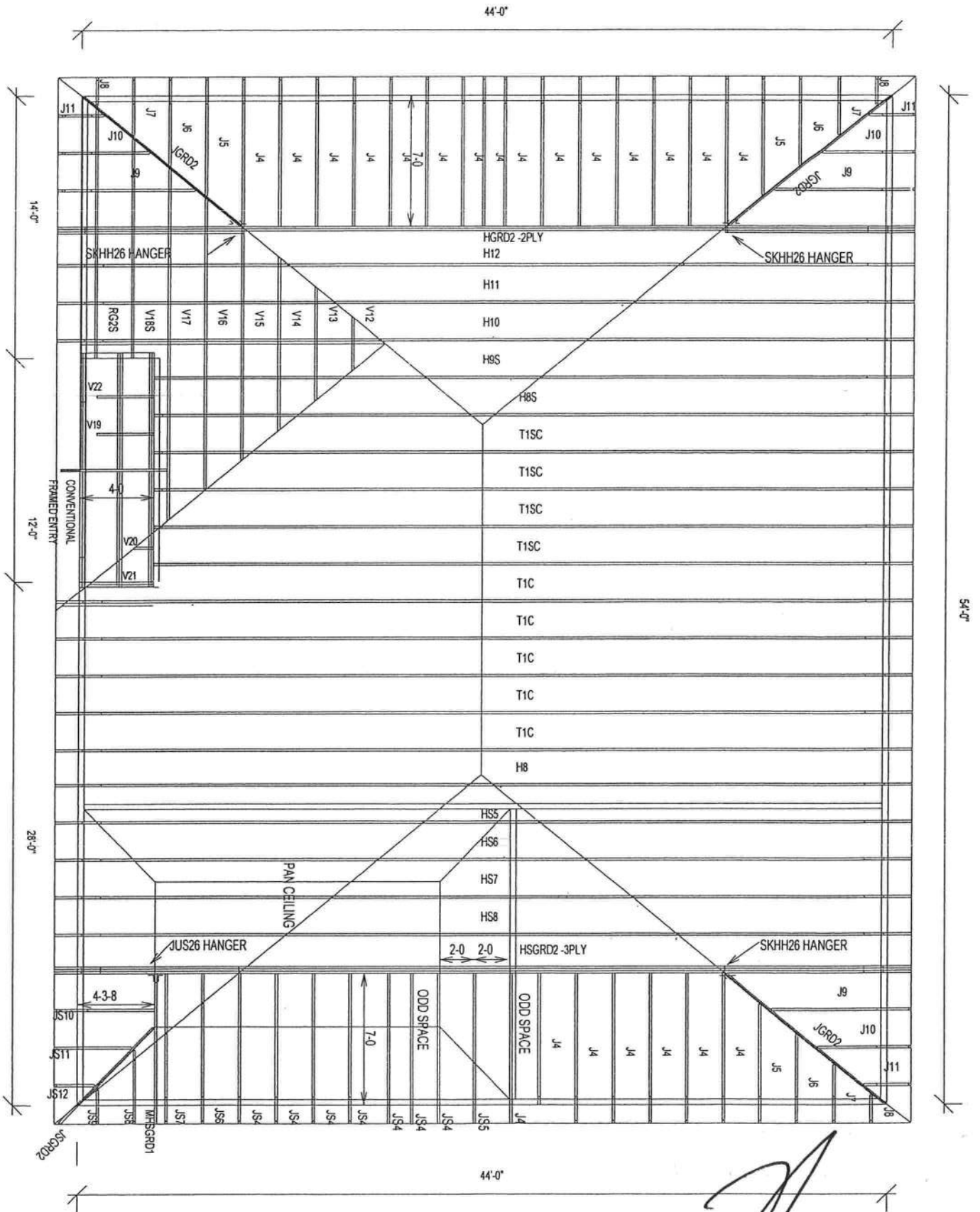
PLAN JOB #	LOT	ADDRESS	DIV/SUB	MODEL	CUMBERLAND M
1TM00401	4-1		ORA-1TM	CUMM5 RIGHT	

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

Truss ID	Run Date	Drawing Reviewed	Truss ID	Run Date	Drawing Reviewed	No. of Eng. Dwgs: 55
Truss Layout	7-23-06	✓	V14	7-22-06	✓	Roof Loads-
V	7-27-05		V15	7-22-06		TC Live: 16.0 psf
HIP	11-2-06		V16	7-22-06		TC Dead: 7.0 psf
H10	8-22-06		V17	7-22-06		BC Live: 10.0 psf
H11	7-22-06		V18S	7-22-06		BC Dead: 10.0 psf
H12	7-22-06		V19	7-22-06		Total 43.0 psf
H8	7-22-06		V20	7-22-06		DurFac- Lbr: 1.25
H8S	7-22-06		V21	7-22-06		DurFac- Plt: 1.25
H9S	7-22-06		V22	7-22-06		O.C. Spacing: 24.0"
HGRD2	7-22-06		Floor Layout	5-8-06		Floor Loads-
HS5	7-22-06		FA	7-31-06		TC Live: 40.0 psf
HS6	8-22-06		FB	3-2-06		TC Dead: 10.0 psf
HS7	7-22-06		FC	3-2-06		BC Live: 0.0 psf
HS8	7-22-06		FD	3-2-06		BC Dead: 5.0 psf
HSGRD2	7-22-06		FE	3-2-06		Total 55.0 psf
J4	5-21-07		FF	3-2-06		DurFac- Lbr: 1.00
J5	5-21-07					DurFac- Plt: 1.00
J6	5-21-07					O.C. Spacing: 24.0"
J7	5-21-07					
J8	5-21-07					
J9	5-21-07					
J10	5-21-07					
J11	5-21-07					
JGRD2	2-2-07					
JS10	2-2-07					
JS11	2-2-07					
JS12	2-2-07					
JS4	2-2-07					
JS5	2-2-07					
JS6	8-21-07					
JS7	8-21-07					
JS8	2-2-07					
JS9	2-2-07		INV #	DESC	QNTY	
JSGRD2	2-2-07		18331	THD26		
MHSGRD1	7-22-06		18338	THD48	3	
RG2S	7-22-06		18357	SKHH26R	2	
T1C	2-2-07		18357	SKHH26L	2	
T1SC	8-21-07		18363	JUS26	1	
V12	7-22-06		18370	THJ26		
V13	7-22-06		FLOOR SEAT PLATES		52	

DATE: OCT 12 2007

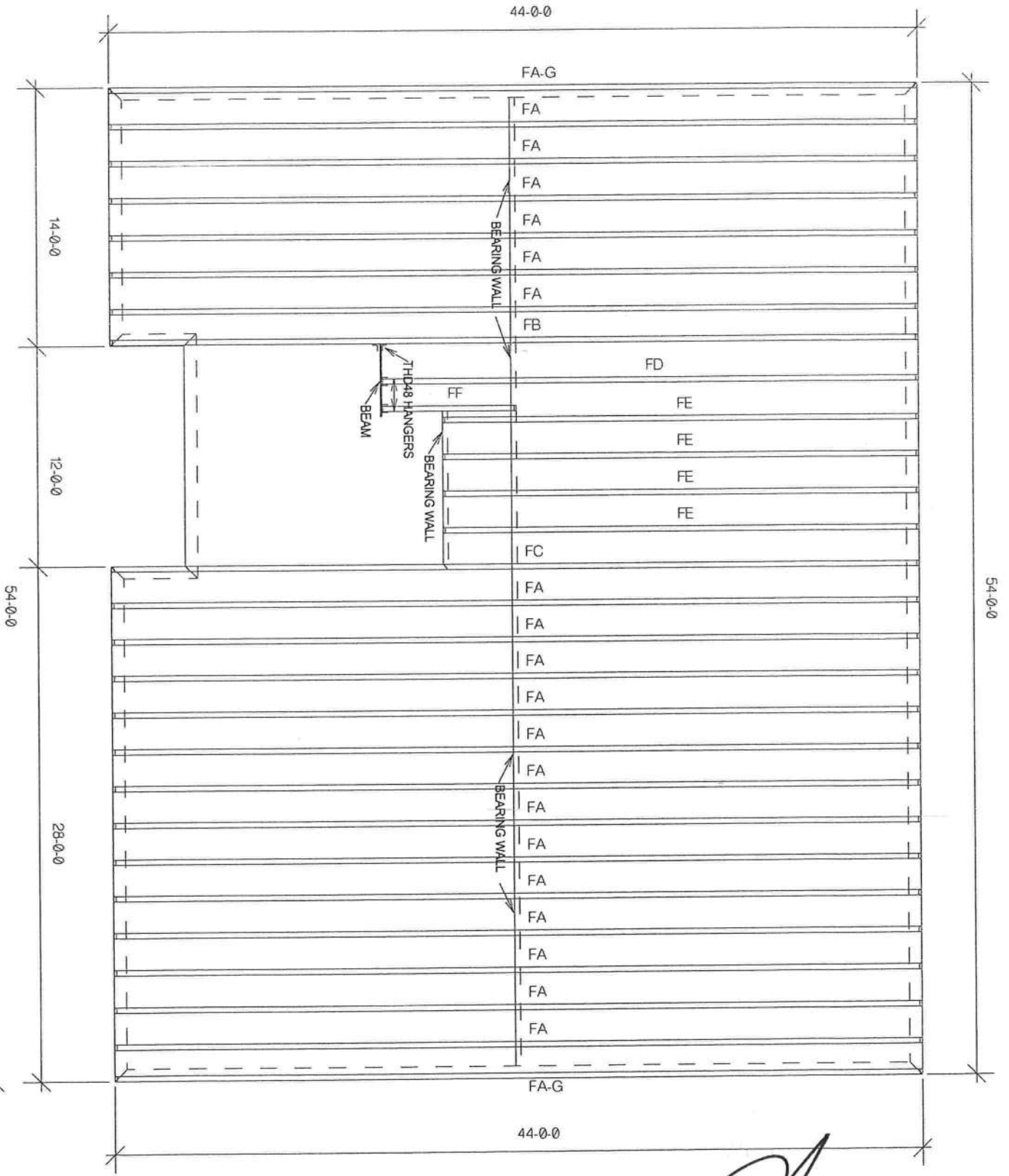
JOB NUMBER: CUMMS	DRAWN BY: IN	DATE: 7-23-06
CUSTOMER:	PITCH: 7.5/12 & 6/12	OH: 12' & 15'
JOB NAME: CUMBERLAND M 5	BEARING: 3.5°	LOAD: 43#



[Signature]
OCT 12 2007

Maronda Systems

JOB NUMBER: CUMF	DRAWN BY: (Signature)	DATE: 5-8-06
CUSTOMER:	PITCH:	OH:
JOB NAME: CUMBERLAND FLOOR	BEARING: 8" & 3.5"	LOAD: 55#



(Signature)
OCT 12 2007

GENERAL NOTES

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

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

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

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

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

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

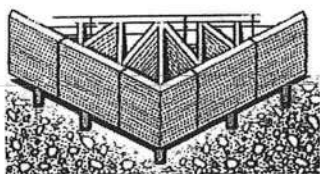
HANDLING — MANEJO

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



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

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



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

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

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

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

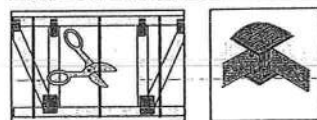
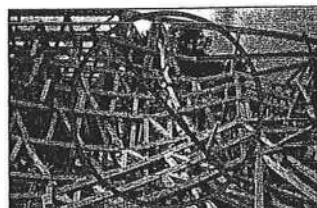
Para trusses guardados por más de una semana, cubra los paquetes para prevenir aumento de humedad pero permita ventilación.

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

NOTAS GENERALES

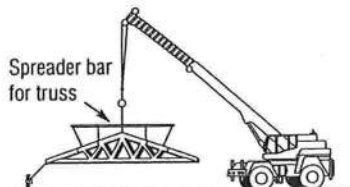
Los trusses no están marcados de ningún modo que identifique la frecuencia o localización de restricción lateral y arrioste diagonal temporales. Use las recomendaciones de manejo, instalación, restricción y arrioste temporal de los trusses. Vea el folleto BCSI Guía de Buena Práctica para el Manejo, Instalación,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

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



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

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



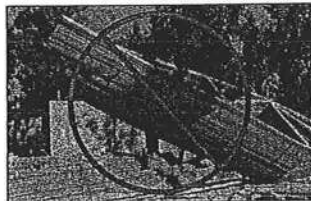
- ✓ Use proper rigging and hoisting equipment.

Use equipo apropiado para levantar e improvisar.



- ⚠ Do not store unbraced bundles upright.

No almacene verticalmente los trusses sueltos.



- ⚠ Do not store on uneven ground.

No almacene en tierra desigual.



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

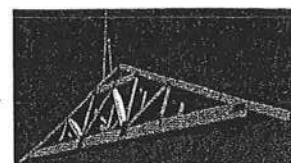
- ⚠ Warning! Don't overload the crane.
¡Advertencia! ¡No sobrecarga la grúa!
- ⚠ Never use banding alone to lift a bundle. Do not lift a group of individually banded bundles. Nunca use sólo los empaques para levantar un paquete. No levante un grupo de empaques individuales.

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

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

Puede usar dos puntos de levantar para paquetes más de 60 pies.

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

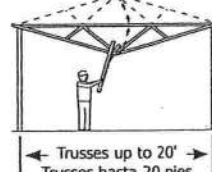


- ⚠ Warning! Do not over load supporting structure with truss bundle.
¡Advertencia! No sobrecargue la estructura apoyada con el paquete de trusses.

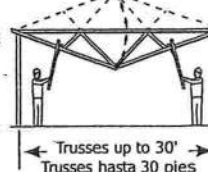
- ✓ Place truss bundles in stable position. Puse paquetes de trusses en una posición estable.

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

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



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



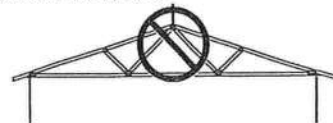
HOISTING OF SINGLE TRUSSES — LEVANTAMIENTO DE TRUSSES INDIVIDUALES

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

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

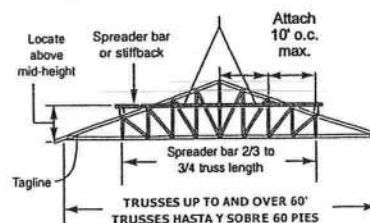
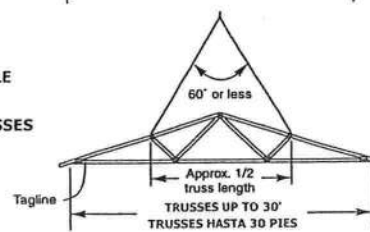
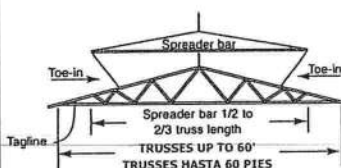
- ⚠ Warning! Using a single pick-point at the peak can damage the truss.

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



HOISTING RECOMMENDATIONS FOR SINGLE TRUSSES RECOMENDACIONES PARA LEVANTAR TRUSSES INDIVIDUALES

HOISTING RECOMMENDATIONS FOR SINGLE TRUSSES RECOMENDACIONES PARA LEVANTAR TRUSSES INDIVIDUALES



TEMPORARY RESTRAINT & BRACING RESTRICCIÓN Y ARRIOSTRE TEMPORAL

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

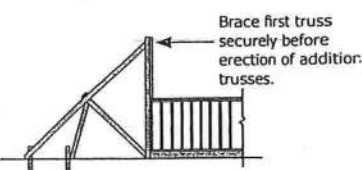
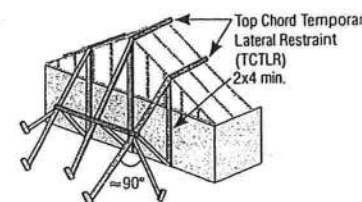
Vea el resumen BCSI B2 - Restricción/Arrioste Temporal y Instalación de los Trusses para más información.

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

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



- ⚠ Do not walk on unbraced trusses. No camine en trusses sueltos.



STEPS TO SETTING TRUSSES

AS MEDIDAS DE LA INSTALACIÓN DE LOS TRUSSES

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

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

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

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

RESTRAINT/BRACING FOR ALL PLANES OF TRUSSES

LA RESTRICCIÓN/ARRIOSTRE EN TODOS PLANOS DE TRUSSES.

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

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

TOP CHORD — CUERDA SUPERIOR

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

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

*Consulte a un ingeniero para trusses de mas de 60 pies.

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

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

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

WEB MEMBER PLANE — PLANO DE LOS MIEMBROS SECUNDARIOS

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

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

3) BOTTOM CHORD — CUERDA INFERIOR

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

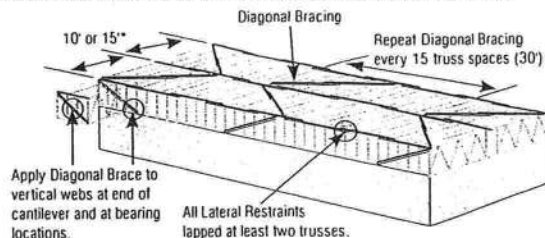
Bottom chords
Diagonal Braces every 10 truss spaces (20' max.)
Some chord and web members not shown for clarity.

RESTRAINT & BRACING FOR 3x2 AND 4x2 PARALLEL CHORD TRUSSES

LA RESTRICCIÓN Y EL ARRIOSTRE PARA TRUSSES DE CUERDAS PARALELAS 3X2 Y 4X2

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

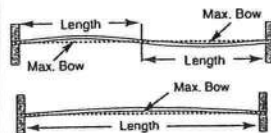
Vea el resumen BCSI-B7 - Restricción y Arriostre Temporal y Permanente de Trusses de Cuerdas Paralelas para más información.



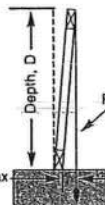
*Top chord Temporary Lateral Restraint spacing shall be 10' o.c. max. for 3x2 chords and 15' o.c. for 4x2 chords.

INSTALLING — INSTALACION

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



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



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

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

CONSTRUCTION LOADING — CARGA DE CONSTRUCCION

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

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

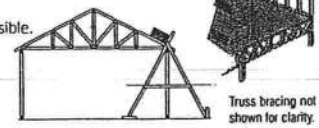
- Do not exceed maximum stack heights. Refer to BCSI-B4 Summary Sheet - Construction Loading for more information.

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

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



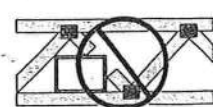
- Do not overload small groups or single trusses.
No sobrecargue pequeños grupos o trusses individuales.
- Never stack materials near a peak.
Nunca amontone material cerca del pico.
- Place loads over as many trusses as possible.
Coloque las cargas sobre tantos trusses como sea posible.
- Position loads over load bearing walls.
Coloque las cargas sobre las paredes soportantes.



ALTERATIONS — ALTERACIONES

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

- Do not cut, alter, or drill any structural member of a truss unless specifically permitted by the Truss Design Drawing.
No corte, altere o perforo ningún miembro estructural de los trusses, a menos que esté específicamente permitido en el dibujo del diseño del truss.



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

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

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



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



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

B3WARN11x17 20061115

Maronda Systems

MARONDA SYSTEMS

4005 Maronda Way

Sanford, FL 32771

(407) 321-0064

Fax (407) 321-3913

Date: November 1, 2006

To: Building Department

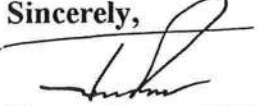
From: Maronda Systems
Tomas Ponce
Professional Engineer
State of Florida #0050068

Subject: Valley Trusses

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

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

Sincerely,



Tomas Ponce, P.E.

Date: 11/1/06

DESIGN INFORMATION

This design is for an individual building component and has been based on information provided by the client. The designer disclaims any responsibility for damages as a result of faulty or incorrect information, specifications and/or designs furnished to the truss designer by the client and the correctness or accuracy of this information as it may relate to a specific project and accepts no responsibility or exercises no control with regard to fabrication, handling, shipment and installation of trusses.

FABRICATION-NOTES

Prior to fabrication, the fabricator shall review this drawing to verify that this drawing is in conformance with the fabricator's plans and to realize a continuing responsibility for quality verification. Any discrepancies are to be put in writing before cutting or fabricating. Plates shall be milled over toolholes, knots or distorted grain. Members shall be cut for tight fitting wood to wood joints. Connector plates shall be located on both faces of the beam, with nail fully imbedded and shall be sym. about the joint unless otherwise shown. A 5x4 plate is 5" wide x 4" long. A 6x4 plate is 6" wide x 4" long. Double cut on members shall meet at the plate length specified. Double cut on members shall meet at the center of the webs unless otherwise shown. Connector plate sizes are minimum sizes based on the forces shown and may need to be increased for certain handling and/or erection stresses. This truss is not to be fabricated with fire retardant treated lumber unless otherwise shown. For additional information on Quality Control refer to ANSIT/PTI 1-11995

PRECAUTIONARY NOTES

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

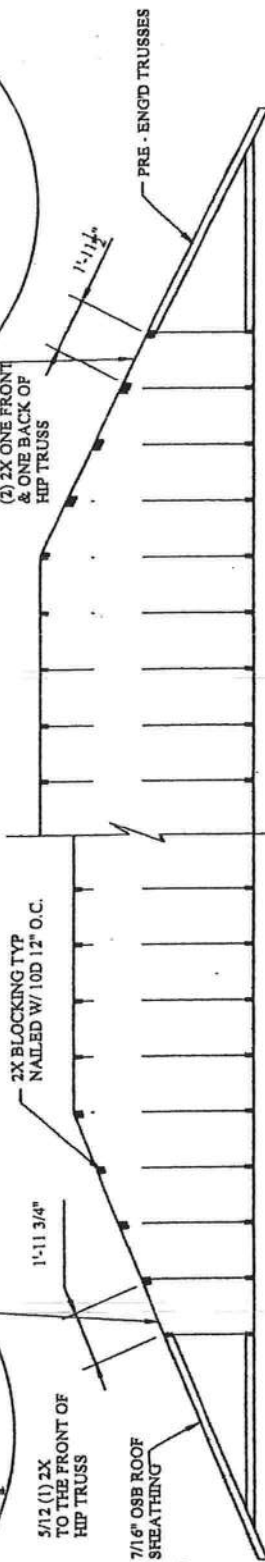
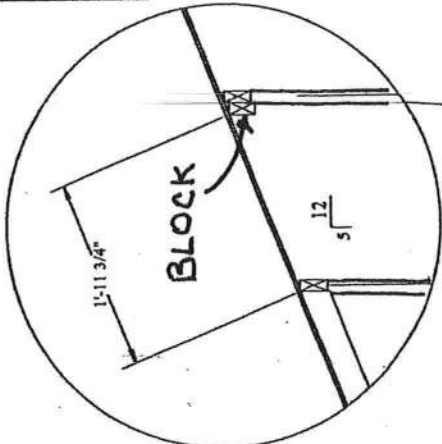
HIP TRUSS BLOCKING REQUIREMENTS

APA-FORM NO. TT-083

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

Roof Slope	Panel Span Rating				48/24
	24/18	32/18	40/20		
≤ 1:12	OK	OK	OK		OK
≤ 2:12	OK	OK	OK		OK
≤ 3:12	OK	OK	OK		OK
≤ 4:12	OK	OK	OK		OK
≤ 5:12	OK	OK	OK		OK
≤ 6:12	OK	OK	OK		OK
≤ 7:12	OK	OK	OK		OK
≤ 8:12	OK	OK	OK		OK
≤ 9:12	OK	OK	OK		OK
≤ 10:12	OK	OK	OK		OK
≤ 11:12	OK	OK	OK		OK
≤ 12:12	OK	OK	OK		OK
≤ 13:12	OK	OK	OK		OK
≤ 14:12	OK	OK	OK		OK

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



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

WARNING:

WARNING: READ ALL NOTES ON THIS SHEET. A COPY OF THIS DRAWING TO BE GIVEN TO EACH BUILDING CONTRACTOR. BRACING WARNING:
 The design of this drawing is not intended to consider bracing, portal bracing or similar bracing which is a part of the building design and which must be considered by the building designer. Bracing shown is for lateral support of truss members only to reduce buckling length. Provisions must be made to anchor lateral bracing at ends and specified locations determined by the building designer. Additional bracing of the overall structure may be required. (See H1D-91 of TPI). For specific truss bracing requirements, contact building engineer, Truss Plate Institute, TPI is located at 363 Compensated Engineering by: Truss Engineering Co., P.A., 818 Soundside Rd, Edenton, NC 27932

Maronda Systems

4005 MARONDA WAY
Concord, EL 30771

SAINT LOUIS, MO 63101
(314) 321-0064 Fax (314) 321-3913
TOMAS PONCE P.E. LICENSE #0050068
367 Madison Pl Chuluota, FL 32766

Definition: What is a function?

Profile Path: C:\TEMP\TNT\Work\Tnt\Tnt-1\TNT-1.txt

Eng Job:

Draw:

Decm r. TTY Chk.

TC	1.ive	16.0	nsf
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TC	Dose	Time	mg
TC	Dose	70	mg

IC	Dead	per
PC	100	per

	CB	LIT	PAT	PSI
0.0T	0.0	0.0	0.0	0.0
0.1T	0.0	0.0	0.0	0.0
0.2T	0.0	0.0	0.0	0.0
0.3T	0.0	0.0	0.0	0.0
0.4T	0.0	0.0	0.0	0.0
0.5T	0.0	0.0	0.0	0.0
0.6T	0.0	0.0	0.0	0.0
0.7T	0.0	0.0	0.0	0.0
0.8T	0.0	0.0	0.0	0.0
0.9T	0.0	0.0	0.0	0.0
1.0T	0.0	0.0	0.0	0.0

BC Dead	10.0	psr
---------	------	-----

TOTAL	43.0	psf
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WO: HIPDETAIL

ТТ: НТР

11/2/2006

Lbr DF: 1.25

Plt DF: 1.25

O.C.: 2-0-0

TPI-02/FBC-04

Code: FLA

v4.7.32-0

This design is for an individual building component and has been based on information provided by the client. The designer disclaims any responsibility for damages as a result of faulty or incorrect information, specifications and/or designs furnished to the trust designer by the client and the correctness or accuracy of this information as it may relate to a specific project and accepts no responsibility or liability to control with regard to the use of the design by the client and its installation of trust. This trust has been designed in accordance with ANS/P1-1995 and NDS-97 to be incorporated as part of the building design by the building designer. When reviewed for approval by the building designer, the design loadings shown must be checked to be sure that the data shown is in agreement with the local building codes, local climatic records for wind and snow loads, project specifications or special applied loads. Unless shown, truss has not been designed for storage or occupancy loads. The design assumes protection by sheathing or siding is continuously applied to bottom chords (top or bottom) are continuously applied to all other members. There is no maximum applied rafter ceiling, they should be braced as a maximum spacing of 10'-0" o.c. Connector plates shall be manufactured from 20 gauge hot dipped galvanized steel meeting ASTM A 653, Grade 40, unless otherwise shown.

Prior to fabrication, the fabricator shall review this drawing to verify that this drawing is in conformance with the fabricator's plans and to realize a continuing responsibility for each verification. Any discrepancies are to be put in writing before cutting or fabrication. Plates shall not be installed over cracks, holes or distorted areas. Members shall be cut at right angles to wood grain. Connector plates will be applied on both ends of the truss with nails fully embedded. A 5/4 plate 1" x 6" x 16' long. A 6/8 plate is 6" wide, 8" long. Single (holes) 4" apart. The plates shall be applied parallel to the truss with members shall meet at the centroid of the webs unless otherwise shown. Connector plate sizes are minimum sizes based on the forces shown and may need to be increased for certain handling and erection stresses. This truss is not to be fabricated with fire treated lumber unless otherwise shown. For additional information on Quality Control refer to ANS/UTPI 1995.

All bracing and erection recommendations are to be followed in accordance with applicable industry publications. Trusses are to be handled with particular care during handling and bundling. Delivery and installation to avoid damage. Temporary and permanent bracing for holding trusses in a straight and plumb position and for resisting lateral forces shall be designed and installed by others. Careful handling is essential and erection bracing is always required. Normal precautionary erection for trusses requires such temporary bracing during installation between trusses to avoid toppling and dominating. The supervision of erection of trusses shall be under the control of persons experienced in the installation of trusses. Professional advice shall be sought if required. Concentration of compression loads greater than designed shall not be applied to trusses at any time. No load shall be applied to the right of the erection chain. No load shall be applied to the left of the erection chain. No load shall be applied to trusses until after final finishing and trussing is completed.

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

Profile Path: T:\TEE-LOK\Jobs\FL\125\Cumberland\CUMBERLAND M\H10.prx

READ ALL NOTES ON THIS SHEET. A COPY OF THIS DRAWING TO BE GIVEN TO THE ERECTING CONTRACTOR. BRACING WARNING:

Bracing shown on this drawing is not erection bracing, wind bracing, portal bracing or similar bracing which is a part of the building design and which must be considered by the building designer. Bracing shown is for lateral support of the members only to reduce buckling length. Provisions must be made to anchor lateral bracing at ends and specified locations determined by the building designer. Additional bracing of the overall structure may be required. (See HEB-91 for details.) For more information, contact building designer (Truss Design, Inc., 583 D'Oroville Drive, Madison, Wisconsin 53719).

Component Engineering by: Truss Engineering Co., P.O. #18, Sundside Rd., Eden, NC 27932

Component Engineering by: Truss Engineering Co., P.A., 818 Soundside Rd, Edenton, NC 27932

[illegible]

TOTAL	43.0	psf	v4.7.32-66261
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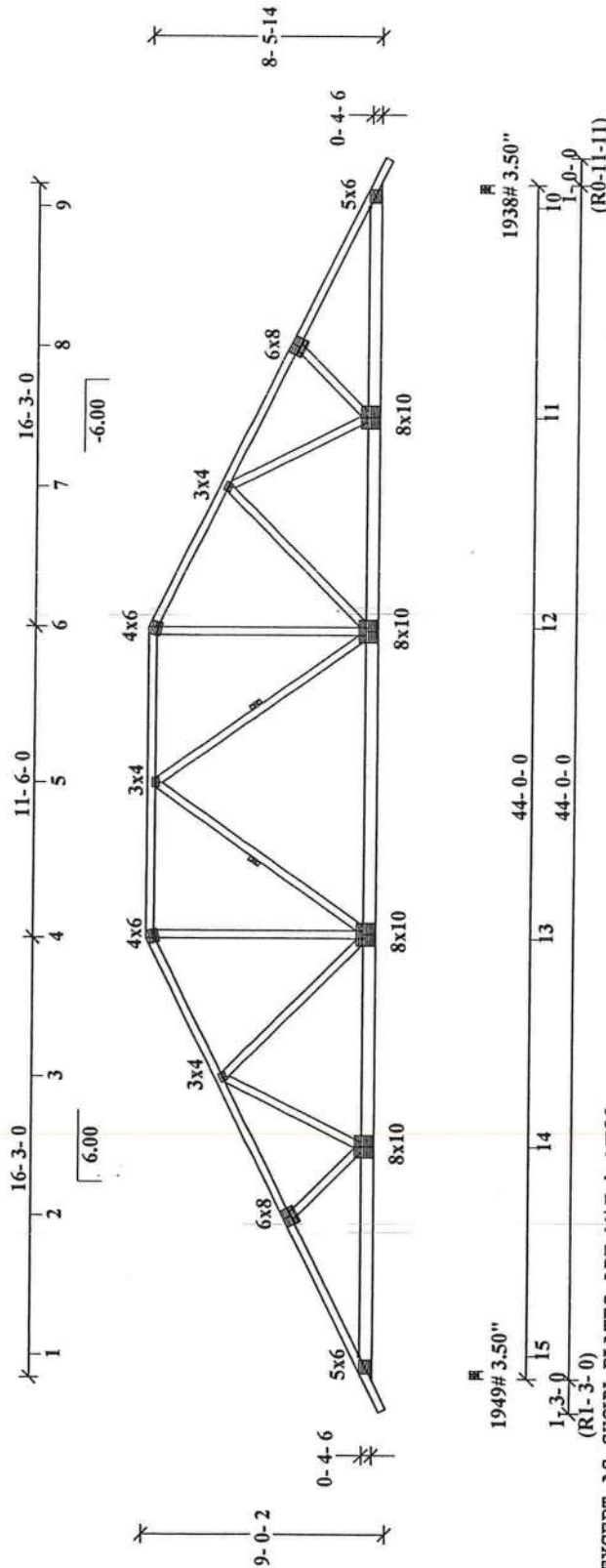
TI:H10 Oty:1

MULTIPLE LOADCASES -- This design is the composite result of multiple loadcases. User defined loadcases have been considered in this design.

Bracing Schedule:
 Webs Brace Pt Joint to Joint
 1/2 5-13,5-12
 Bracing shown is for visual purposes only.
 ☒ Continuous lateral bracing attached to
 either edge of web(s) shown OR a T-brace,
 nailed flat to edge of web with 3"x 0.120",
 nails spaced 8" o.c. T-brace must extend
 at least 90% of web length and be same
 size, species, and grade as web.
 2x6 T-brace required on any web over 14'-0".
 ..TC.. FORCE..CSI.. Cr ..BC.. ..FORCE..CSI..
 1- 2 - 3600 0.47 A 15-14 3178 0.62
 2- 3 - 3436 0.44 A 14-13 2801 0.65
 3- 4 - 2742 0.41 A 13-12 2312 0.62
 4- 5 - 2414 0.41 A 12-11 2801 0.66
 5- 6 - 2414 0.42 A 11-10 3178 0.62
 6- 7 - 2741 0.45 A
 7- 8 - 3436 0.49 A
 8- 9 - 3600 0.47 A

	in./Ratio	in./Ratio	Jnt(s)
I-Span	-0.30/999	-0.59/879	12-13
Horiz.	0.08	0.15	NA
Max DL Deflection	L/999 = -0.29		
Long term deflection factor	= 1.50		

I.Span	in./Ratio	in./Ratio	Jnt(s).
Horiz.	-0.30/999	-0.59/879	12-13
	0.08	0.15	NA
	Max DL Deflection	I/999 = -0.29	
	Long term deflection factor =	1.50	



Scale = 0.1434

Scale = 0.1434

This design is for an individual building component and has been based on information provided by the client. The designer disclaims any responsibility for damages as a result of faulty or incorrect information, specifications and/or design furnished to the trustee by the client and may design to the best of its knowledge of the information as it may relate to a specific component. The trustee assumes responsibility or exercises no control with regard to fabrication, handling, shipment and installation of trusses. This truss has been designed as an ANSI/TPI 1-1995 and component in accordance with ANSI/TPI 1-1995 and NDS-97 to be incorporated as part of the building design by a Building Designer. When reviewed for approval by the Building Designer, the design loadings shown must be checked to be sure that the data shown are in agreement with the local building codes, local climatic records, local wind loads, project specifications or special requirements. Unusual loads (such as may be designed for storage or conveyance) should be continuously monitored by shacking unless otherwise specified. Where rafter chords in tension are not fully braced laterally by a property applied rafter ceiling, they should be braced at a maximum spacing of 10'-0" o.c. Connector plates shall be manufactured from 20 gauge hot dipped galvanized steel meeting ASTM A 653, Grade 40, unless otherwise shown.

Prior to fabrication, the fabricator shall review this drawing to verify that this drawing is in conformance with the fabricator's plans and to verify a continuing responsibility for each realization. Any discrepancies are to be put in writing before cutting or fabrication. Plates shall not be installed over trabecles, knots or distorted grain. Members shall be cut for tight fitting wood to wood joining. Connector plates shall be located on both faces of the truss with nails fully imbedded and shall be a minimum of 1/2" from the joint unless otherwise shown. A 5/4 plate is 5" wide x 10' long. A 6/8 plate is 6" wide x 8' long. Sister (plates) are parallel to the plate length specified. Double cuts on web members shall meet at the centroid of the web unless otherwise shown. Connector plate sizes are minimum sizes based on the force shown and may need to be increased for certain handling and/or erection stresses. This truss is not to be fabricated with the restraint treated unless otherwise shown. For additional information on Quality Control refer to ANS/7791.

All bracing and erection recommendations are to be followed in accordance with accepted industry applications. Trusses are to be handled with particular care during transport and erection. Trusses are to be during banding and bundling, delivery and installation to avoid damage. Temporary and permanent bracing for holding trusses in a straight and plumb position and for resisting lateral forces shall be designed and installed by others. Careful handling is essential and reaction bracing is always required. Normal precautionary bracing measures to support temporary bracing during installation before the final topping and flooring are completed. The control of persons experienced in the installation of trusses. Professional advice shall be sought if needed. Concentration of construction loads greater than the design loads shall not be applied to trusses at any time. No loads other than the weight of the trusses shall be applied to trusses until after all fastening and bracing is completed.



READ ALL NO
ERECTING CO

WARNING:
READ ALL NOTES ON THIS SHEET. A COPY OF THIS DRAWING TO BE GIVEN TO
ERECTING CONTRACTOR. BRACING WARNING:
Bracing shown on this drawing is not erection bracing, wind bracing, portal bracing or similar bracing which is a part of the building design and which must be considered by the building designer. Bracing shown is for lateral support of truss members only to reduce buckling length. Provisions must be made to anchor lateral bracing at ends and specified locations determined by the building designer. Additional bracing of the overall structure may be required. (See HIB-91 TYP-17) For specific truss bracing requirements, contact building designer. (Truss Plate Institute, TPI is located at 583 OOOO OOOO, OOOO, Wisconsin 53719).

Component Engineering by: Truss Engineering Co., P.A., 818 Soundside Rd, Edenton, NC 27932

Job: CUMBERLAND M

Customer:

WO: CUMMS

TI: H8S

Qty: 1

DESIGN INFORMATION

his design is for an individual building component and is not to be used for any other purpose. The designer disclaims any responsibility for the accuracy or completeness of the information furnished to the client. The client is responsible for the accuracy and completeness of the information furnished to the designer.

ALL COMPRESSION CHORDS are assumed to be continuously braced unless noted otherwise. User defined loadcases have been considered in this design.

---MAX. REACTIONS PER BEARING LOCATION---

X-Loc	BSOT	Vert	Horiz	Uplift	Y Type
0-1-12	1	1776	56	-832	B Fin
39-10-0	1	1718	0	-783	B H Roll

PROVIDE UPLIFT CONNECTION PER SCHEDULE

---TC. . . FORCE. . CSI. Cr . . BC. . . FORCE. . CSI. .

1-2	-3114	0.81	A 14-13	2732	0.74
2-3	-2891	0.57	A 13-12	2183	0.67
3-4	-1883	0.52	A 12-11	1615	0.53
4-5	-1609	0.39	A 11-10	1808	0.56
5-6	-1868	0.55	A 10-9	1386	0.42
6-7	-2065	0.55	A		
7-8	92	0.23	A		

---FABRICATION NOTES---

rior to fabrication, the fabricator shall review this drawing to verify that this drawing is in conformance with the design and to realize a continuing responsibility for such verification. Any discrepancies are to be put in writing before cutting or fabrication. Plates shall not be installed over knotholes, knots or distorted grain. Members shall be cut for tight fitting wood to wood joining. Connector plates shall be located on both faces of the truss with nails fully imbedded and shall be sym. about the centerline of the truss. A 5/4 plate is 5" wide x 8" long. A 6/8 plate is 6" wide x 8" long. Slots (holes) in parallel to the plate length specified. Double cuts on members shall meet at the centroid of the web unless otherwise shown. Connector plate sizes are minimum 1/4" thick and 6" wide. All steel shall be A36 unless otherwise specified. This truss is not to be fabricated with fire retardant treated lumber unless otherwise shown. For additional information on Quality Control refer to ANSI/TPI-1995

---RECAUTIONARY NOTES---

If bracing and erection recommendations are to be followed in accordance with accepted industry practices, the truss is to be handled with particular care during banding and bundling, delivery and erection. Temporary and permanent bracing for holding trusses in place shall be designed and installed by others. Careful handling is essential and bracing is always required. Normal precautionary bracing for trusses requires such temporary bracing during erection. The supervision of erection of trusses shall be under the control of persons experienced in the erection of trusses. Professional advice shall be sought when design loads shall not be applied to trusses at any time, to loads other than the weight of the trusses shall be applied to trusses until after all fastening and bracing is completed

Job: CUMBERLAND M

Customer:

WO: CUMMS

TI: H8S

Qty: 1

MULTIPLE LOADCASES -- This design is the composite result of multiple loadcases. Right End vertical designed for wind. Windload per ASCE 7-02, C6C, V= 125mph, H= 23.0 ft, I= 1.00, Exp. Cat. B, Kzt= 1.0 Bld Type= encl L= 54.0 ft W= 40.0 ft Truss in INT zone, TCDL= 4.2 psf, BCDL= 6.0 psf Impact Resistant Covering and/or Glazing Req Bracing Schedule: Webs Brace Pt Joint to Joint 1/2 3-12, 4-11, 6-10, 7-9 Bracing shown is for visual purposes only. Continuous lateral bracing attached to either edge of web(s) shown OR a T-brace, nailed flat to edge of web with 3"x 0.120" nails spaced 8" o.c. T-brace must extend at least 90% of web length and be same size, species, and grade as web. 2x6 T-Brace required on any web over 14'-0".

---WEBS. . . FORCE. . CSI. Cr . . WEBS. . . FORCE. . CSI. Cr . .

2-13	-315	0.16	C	11-6	-297	0.38
13-3	796	0.21	C	6-10	165	0.08
3-12	-820	0.85	C	10-7	580	0.19
12-4	684	0.47	C	7-9	-2094	0.59
4-11	-49	0.06	C	9-8	100	0.08
11-5	520	0.42	C			

in./Ratio in./Ratio Jnt(s) . C I.Span -0.19/999 -0.38/999 13-14 . Horiz. 0.06 0.11 NA Max DL Deflection L/999 = -0.19 Long term deflection factor = 1.50

11-6-2

0-4-6

1776# 3.50"

1718# 3.00"

EXCEPT AS SHOWN PLATES ARE NITEK MT20

Scale = 0.1228

Job: CUMBERLAND M

Customer:

WO: CUMMS

TI: H8S

Qty: 1

DESIGN INFORMATION

his design is for an individual building component and is not to be used for any other purpose. The designer disclaims any responsibility for the accuracy or completeness of the information furnished to the client. The client is responsible for the accuracy and completeness of the information furnished to the designer.

ALL COMPRESSION CHORDS are assumed to be continuously braced unless noted otherwise. User defined loadcases have been considered in this design.

---MAX. REACTIONS PER BEARING LOCATION---

X-Loc	BSOT	Vert	Horiz	Uplift	Y Type
0-1-12	1	1776	56	-832	B Fin
39-10-0	1	1718	0	-783	B H Roll

PROVIDE UPLIFT CONNECTION PER SCHEDULE

---TC. . . FORCE. . CSI. Cr . . BC. . . FORCE. . CSI. .

1-2	-3114	0.81	A 14-13	2732	0.74
2-3	-2891	0.57	A 13-12	2183	0.67
3-4	-1883	0.52	A 12-11	1615	0.53
4-5	-1609	0.39	A 11-10	1808	0.56
5-6	-1868	0.55	A 10-9	1386	0.42
6-7	-2065	0.55	A		
7-8	92	0.23	A		

---FABRICATION NOTES---

rior to fabrication, the fabricator shall review this drawing to verify that this drawing is in conformance with the design and to realize a continuing responsibility for such verification. Any discrepancies are to be put in writing before cutting or fabrication. Plates shall not be installed over knotholes, knots or distorted grain. Members shall be cut for tight fitting wood to wood joining. Connector plates shall be located on both faces of the truss with nails fully imbedded and shall be sym. about the centerline of the truss. A 5/4 plate is 5" wide x 8" long. A 6/8 plate is 6" wide x 8" long. Slots (holes) in parallel to the plate length specified. Double cuts on members shall meet at the centroid of the web unless otherwise shown. Connector plate sizes are minimum 1/4" thick and 6" wide. All steel shall be A36 unless otherwise specified. This truss is not to be fabricated with fire retardant treated lumber unless otherwise shown. For additional information on Quality Control refer to ANSI/TPI-1995

---RECAUTIONARY NOTES---

If bracing and erection recommendations are to be followed in accordance with accepted industry practices, the truss is to be handled with particular care during banding and bundling, delivery and erection. Temporary and permanent bracing for holding trusses in place shall be designed and installed by others. Careful handling is essential and bracing is always required. Normal precautionary bracing for trusses requires such temporary bracing during erection. The supervision of erection of trusses shall be under the control of persons experienced in the erection of trusses. Professional advice shall be sought when design loads shall not be applied to trusses at any time, to loads other than the weight of the trusses shall be applied to trusses until after all fastening and bracing is completed

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Customer:

WO: CUMMS

TI: H8S

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1718# 3.00"

EXCEPT AS SHOWN PLATES ARE NITEK MT20

Scale = 0.1228

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DESIGN INFORMATION

This design is for an individual building component and has not been developed for use in a building system. The designer disclaims any responsibility for damages as a result of faulty or incorrect information, specifications and/or design furnished to the true designer by the client and the completeness or accuracy of this information as it may relate to a specific project and accept no responsibility or warranties as to the accuracy of this information. The designer does not control with regard to fabrication, handling, storage, use, or disposal of the product. The design is designed as an individual building component in accordance with ANSI/PTI-1-1995 and NDS-97 to be incorporated as part of the building design by a Building Designer. When approved for approval by the building designer, the design drawings shown must be checked to be sure that the data loadings above are in agreement with the local building codes, local climate are in agreement with the local building codes, local materials are in agreement with the local building codes, local design codes are applied to the design. The design is not intended for use in a building system (top or bottom). The design assumes compression chords (top or bottom) are continuously braced by sheathing unless otherwise specified. Where bottom chords in tension are not fully braced laterally by a properly applied rigid joist, they should be treated at a maximum spacing of 10.27' o.c. Consistent joists shall be manufactured in accordance with the following: (ASTM A 653, G 53, G 60, G 61, G 62, G 63, G 64, G 65, G 66, G 67, G 68, G 69, G 70, G 71, G 72, G 73, G 74, G 75, G 76, G 77, G 78, G 79, G 80, G 81, G 82, G 83, G 84, G 85, G 86, G 87, G 88, G 89, G 90, G 91, G 92, G 93, G 94, G 95, G 96, G 97, G 98, G 99, G 100, G 101, G 102, G 103, G 104, G 105, G 106, G 107, G 108, G 109, G 110, G 111, G 112, G 113, G 114, G 115, G 116, G 117, G 118, G 119, G 120, G 121, G 122, G 123, G 124, G 125, G 126, G 127, G 128, G 129, G 130, G 131, G 132, G 133, G 134, G 135, G 136, G 137, G 138, G 139, G 140, G 141, G 142, G 143, G 144, G 145, G 146, G 147, G 148, G 149, G 150, G 151, G 152, G 153, G 154, G 155, G 156, G 157, G 158, G 159, G 160, G 161, G 162, G 163, G 164, G 165, G 166, G 167, G 168, G 169, G 170, G 171, G 172, G 173, G 174, G 175, G 176, G 177, G 178, G 179, G 180, G 181, G 182, G 183, G 184, G 185, G 186, G 187, G 188, G 189, G 190, G 191, G 192, G 193, G 194, G 195, G 196, G 197, G 198, G 199, G 200, G 201, G 202, G 203, G 204, G 205, G 206, G 207, G 208, G 209, G 210, G 211, G 212, G 213, G 214, G 215, G 216, G 217, G 218, G 219, G 220, G 221, G 222, G 223, G 224, G 225, G 226, G 227, G 228, G 229, G 230, G 231, G 232, G 233, G 234, G 235, G 236, G 237, G 238, G 239, G 240, G 241, G 242, G 243, G 244, G 245, G 246, G 247, G 248, G 249, G 250, G 251, G 252, G 253, G 254, G 255, G 256, G 257, G 258, G 259, G 260, G 261, G 262, G 263, G 264, G 265, G 266, G 267, G 268, G 269, G 270, G 271, G 272, G 273, G 274, G 275, G 276, G 277, G 278, G 279, G 280, G 281, G 282, G 283, G 284, G 285, G 286, G 287, G 288, G 289, G 290, G 291, G 292, G 293, G 294, G 295, G 296, G 297, G 298, G 299, G 300, G 301, G 302, G 303, G 304, G 305, G 306, G 307, G 308, G 309, G 310, G 311, G 312, G 313, G 314, G 315, G 316, G 317, G 318, G 319, G 320, G 321, G 322, G 323, G 324, G 325, G 326, G 327, G 328, G 329, G 330, G 331, G 332, G 333, G 334, G 335, G 336, G 337, G 338, G 339, G 340, G 341, G 342, G 343, G 344, G 345, G 346, G 347, G 348, G 349, G 350, G 351, G 352, G 353, G 354, G 355, G 356, G 357, G 358, G 359, G 360, G 361, G 362, G 363, G 364, G 365, G 366, G 367, G 368, G 369, G 370, G 371, G 372, G 373, G 374, G 375, G 376, G 377, G 378, G 379, G 380, G 381, G 382, G 383, G 384, G 385, G 386, G 387, G 388, G 389, G 390, G 391, G 392, G 393, G 394, G 395, G 396, G 397, G 398, G 399, G 400, G 401, G 402, G 403, G 404, G 405, G 406, G 407, G 408, G 409, G 410, G 411, G 412, G 413, G 414, G 415, G 416, G 417, G 418, G 419, G 420, G 421, G 422, G 423, G 424, G 425, G 426, G 427, G 428, G 429, G 430, G 431, G 432, G 433, G 434, G 435, G 436, G 437, G 438, G 439, G 440, G 441, G 442, G 443, G 444, G 445, G 446, G 447, G 448, G 449, G 450, G 451, G 452, G 453, G 454, G 455, G 456, G 457, G 458, G 459, G 460, G 461, G 462, G 463, G 464, G 465, G 466, G 467, G 468, G 469, G 470, G 471, G 472, G 473, G 474, G 475, G 476, G 477, G 478, G 479, G 480, G 481, G 482, G 483, G 484, G 485, G 486, G 487, G 488, G 489, G 490, G 491, G 492, G 493, G 494, G 495, G 496, G 497, G 498, G 499, G 500, G 501, G 502, G 503, G 504, G 505, G 506, G 507, G 508, G 509, G 510, G 511, G 512, G 513, G 514, G 515, G 516, G 517, G 518, G 519, G 520, G 521, G 522, G 523, G 524, G 525, G 526, G 527, G 528, G 529, G 530, G 531, G 532, G 533, G 534, G 535, G 536, G 537, G 538, G 539, G 540, G 541, G 542, G 543, G 544, G 545, G 546, G 547, G 548, G 549, G 550, G 551, G 552, G 553, G 554, G 555, G 556, G 557, G 558, G 559, G 560, G 561, G 562, G 563, G 564, G 565, G 566, G 567, G 568, G 569, G 570, G 571, G 572, G 573, G 574, G 575, G 576, G 577, G 578, G 579, G 580, G 581, G 582, G 583, G 584, G 585, G 586, G 587, G 588, G 589, G 590, G 591, G 592, G 593, G 594, G 595, G 596, G 597, G 598, G 599, G 600, G 601, G 602, G 603, G 604, G 605, G 606, G 607, G 608, G 609, G 610, G 611, G 612, G 613, G 614, G 615, G 616, G 617, G 618, G 619, G 620, G 621, G 622, G 623, G 624, G 625, G 626, G 627, G 628, G 629, G 630, G 631, G 632, G 633, G 634, G 635, G 636, G 637, G 638, G 639, G 640, G 641, G 642, G 643, G 644, G 645, G 646, G 647, G 648, G 649, G 650, G 651, G 652, G 653, G 654, G 655, G 656, G 657, G 658, G 659, G 660, G 661, G 662, G 663, G 664, G 665, G 666, G 667, G 668, G 669, G 670, G 671, G 672, G 673, G 674, G 675, G 676, G 677, G 678, G 679, G 680, G 681, G 682, G 683, G 684, G 685, G 686, G 687, G 688, G 689, G 690, G 691, G 692, G 693, G 694, G 6

FABRICATION NOTES

Before fabrication, the fabricator shall review this drawing and the applicable specifications to ensure that the fabricator understands the fabricator's plans and to realize a continuing responsibility for quality for such verification. Any discrepancies are to be put in writing before cutting or fabrication. Plates shall be cut to size and shall be cut out for lightening holes to wood bearing. Members shall be cut for tight fitting wood bearing.

Connector plates shall be located on both faces of the truss chord with fully imbedded ends. A 6" wide x 8" long plate shall be used for the top chord and a 6" wide x 10" long plate shall be used for the bottom chord. A web plate is 6" wide x 8" long. Slots (holes) run parallel to the plate length and are centered on the web. The plates shall meet at the centroid of the webs unless otherwise shown. Connector plate sizes are minimum sizes based on the given loads and may need to be increased for certain handling and/or erection stresses. This truss is not to be connected with the truss below. The truss is to be connected with the truss above.

For additional information refer to the International Building Code, 1995 Edition.

Control ref. to: ANSI/TPI-1-1995

PRECAUTIONARY NOTES

All bracing and erection recommendations are to be followed in accordance with accepted industry practices. Trusses are to be handled with particular care during erection. Temporary bracing and bracing for holding trusses in place during erection must be installed and maintained. Temporary bracing and bracing for holding trusses in a straight and plumb position and for resisting lateral forces shall be designed and installed by others. Careful handling is essential and erection bracing is always required. Normal precautionary action for trusses requires the use of erection bracing for all trusses. Erection bracing, such as temporary bracing during installation between trusses to avoid jacking and dismantling. The supervision of erection of trusses shall be under the control of persons experienced in the installation of trusses. Professional advice shall be sought if needed. Concentration of construction loads greater than the design loads shall not be applied to trusses at any time. Trusses shall be installed in the order specified. Trusses shall be braced in truss to truss after all fastenings and bracing is completed.

Qty: 3

Analysis based on Simplified Analog Model.
MULTIPLE LOADCASES -- This design is the
composite result of multiple loadcases.
ALL COMPRESSION Chords are assumed to be
continuously braced unless noted otherwise.
In-Plant Quality Assurance with Cq-1
-----MAX. REACTIONS PER BEARING LOCATION-----

X-X-Loc	Bset	Vert	Horiz	Uplift	Y	Type
0-1-12	1	111	90	-176	B	Fin
1-2-4	1	28	0	-93	T	H Roll
1-2-4	1	26	0	-9	B	H Roll

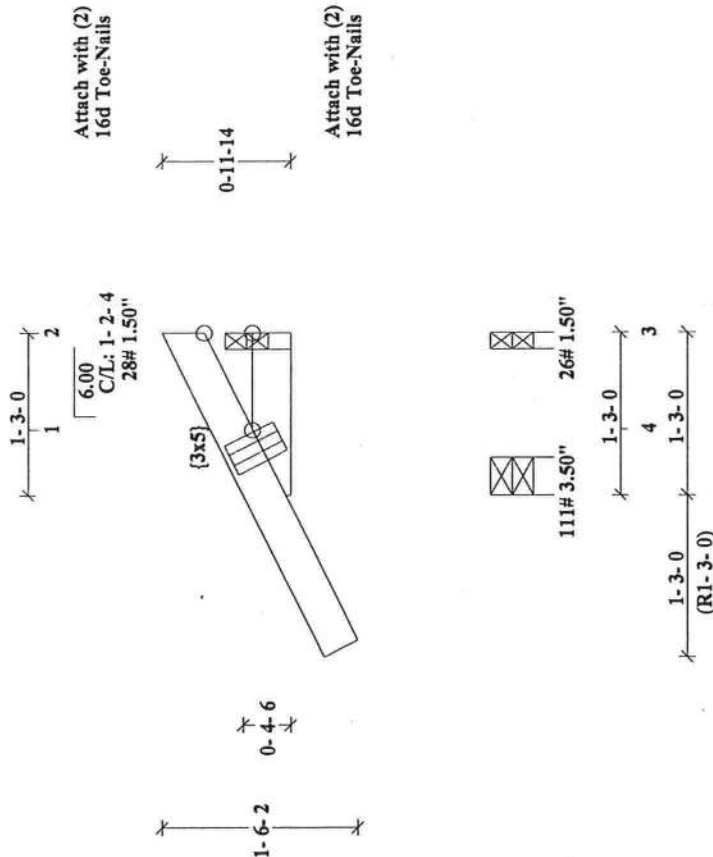
PROVIDE UPLIFT CONNECTION PER SCHEDULE

Unbalanced load case(s) have been checked. Joint Locations

1)	0-6-1	3) 1-3-0
2)	1-3-0	4) 0-6-1

This truss is designed to bear on multiple interior bearings. Trusses should be marked on truss. Shim or wedge if necessary to achieve full bearing.

I. Span	0.00/xxx	in./Ratio	TL	Jnt(s).
Horiz.	0.00	0.00/xxx	0.00	3-1
Long term deflection factor = 1.50				NA



EXCEPT AS SHOWN PLATES ARE MITAK MT20

Over 3 supports $Scale = 0.7117$

Maronda Systems

4005 MARONDA WAY

Sanford, FL 32771
(407) 321-0064 Fax (407) 321-3913
TOMAS PONCE P.E. LICENSE #005006
367 Medallion Pl. Chuluota, FL 32768

READ ALL NOTES ON THIS SHEET. A COPY OF THIS DRAWING TO BE GIVEN TO
ERECTING CONTRACTOR. BRACING WARNING:

BRACING WARNING: Bracing shown on this drawing is not erection bracing, wind bracing, portal bracing or similar bracing which is a part of the building design and which must be considered by the building designer. Bracing shown is for lateral support of the members only to reduce buckling length. Provisions must be made to anchor lateral bracing at ends and specified locations as determined by the building designer. Additional bracing of the overall structure may be required. (See IHS-91 of TPI). For specific truss bracing requirements, consult building designer. (Truss Plate Institute, TPI is located at 1833 D'Oroville

Drive, Madison, Wisconsin 53719)
Component Engineering by: Truss Engineering Co., P.A. 818 Soundside Rd. Edenton, NC 27912

Component Engineering by: Trust Engineering Co. P.A. 818 Soundside Rd. Edmontan, NC 27912

100

Dec 11, 1914

DESIGN: TLI	CHK: 5/21/2007
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TC Live	16.0	psf	Lbr DF: 1.25
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TC Dead	7.0	psf
Plt DF:	1.25	

BC Live	10.0	psf
O.C.:	2-0-	

BC	Dead	10	0	ref	TP1-02/FBC-0
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20 Dec	19.0	Pat
EOBAT	13.0	1-5
		Code: FLA

Design: Matrix Analysis

Profile Path: T:\TEE-LOK\Work\Jobs\CUMM5\CUMBERLAND M J11.pfx

This design is for an individual building component and has been based on information provided by the client. The designer disclaims any responsibility for damages as a result of faulty or incorrect information, specifications and/or designs furnished to the trust designer by the client and the correctness or accuracy of this information as it may relate to a specific project and accepts no responsibility or exercises no control with regard to fabrication, handling, shipment and installation of trusses. This truss has been designed for use in conjunction with NDS-907 by a building designer. When reviewed for approval by a building designer, the design loadings shown must be checked to be sure that the data shown is in agreement with the local building codes, local climatic records for wind or snow loads, project specifications or special applied loads. Unless shown, truss has not been designed for storage or occupancy loads. The design assumes compression chords (top or bottom) are continuously braced by sheathing unless otherwise specified. Where bottom chords in tension are not fully braced directly by a project sheathing, the design assumes that the bottom chords are braced for 10 ft or less. Connector plates shall be manufactured to ASTM A36, Grade 40, unless otherwise shown.

Prior to fabrication, the fabricator shall review this drawing to verify that this driving is in conformance with the fabricator's plans and to realize a continuing responsibility for each verification. Any discrepancies are to be put in writing before cutting or fabrication. Plates shall not be installed over kneebolts, knouts or distorted bearing. Members shall be cut for tight fitting both to wood and steel. Connector plates shall be located on both faces of the truss with nails fully imbedded and shall be sym. about the joint unless otherwise shown. A 5/4 plate is 5" wide x 4" long. A 6/4 plate is 6" wide x 3" long. Double (holes) are parallel to the plate length specified. Double cut web members shall meet at the centroid of the web unless otherwise shown. Connector plate sizes are minimum sizes based on the forces shown and may need to be increased for certain handling and/or erection stresses. This truss is not to be fabricated with fire resistant treated lumber unless otherwise shown. For additional information on Quality Control refer to ANSI/TPI 1-1995.

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

Maronda Systems

Design: Matrix Analysis

TC: 2x 4 SP #2
BC: 2x 4 SP #2
WD: 2x 4 SP #3

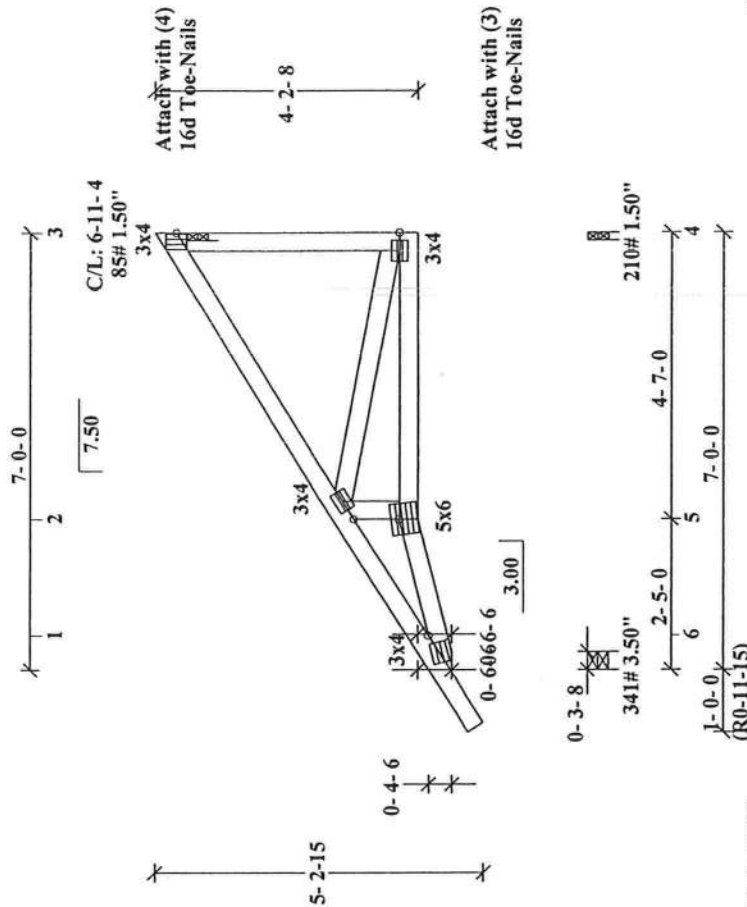
MULTIPLE LOADCASES -- This design is the composite result of multiple loads. This truss is designed to bear on multiple supports. Interior bearing locations should be marked on truss. Shim or wedge if necessary to achieve full bearing.

..TC..FORCE..CSI. Cr ..FORCE..CSI.
1- 2 -667 0.23 A 1- 5 572 0.18
2- 3 -103 0.20 A 5- 4 -528 0.23
..WEB..FORCE..CSI. Cr ..WEB..FORCE..C
5- 2 291 0.09 C 4- 3 0 0
2- 4 545 0.22 C

Analysis based on Simplified Analog Model.
All COMPRESSION Chords are assumed to be continuously braced unless noted otherwise
Wound per ACE 7-02, C6C, K, Kz= 1.0
Hd = 23.0 ft, In = 1.00, Exp. Cat. B, Kz= 1.0
Bld Type= encl I = 4.0 ft W= 7.0 ft Puff
In INT zone, TCdI= 4.2 psf, BCDL= 6.0 psf
Impact Resistant Covering and/or Glazing R
FORCES (lb) - Max Compression/Max Tension
TOP CHORD 1-2=-667/324, 2-3=-103/35
1-5=-556/572, 5-4=-528/507,
BOT CHORD 1-5=-567/572, 5-4=-524/545, 4-3=0/
Webs 5-2=-94/291, 2-4=-524/545, 4-3=0/
-----GLOBAL MAX DEFLECTIONS-----
IL IL
in. Ratio in. Ratio Int(s)
I Span -0.02/754 -0.05/999 4-5
Horiz. 0.01 0.01 NA
Long term deflection factor = 150

Unbalanced load case(s) have been checked.									
Joint Locations									
1)	0-6-10	3)	7-0-0	5)	2-5-0				
2)	5-0-0	4)	7-0-0	6)	0-6-10				
In-Plant Quality Assurance with Cq= 1									
-----MAX. REACTIONS PER BEARING LOCATION-----									
X-Loc	Bsot	Vert	Horiz	Uplift	Y	Type			
0-1-12	1	341	307	-184	B	Pin			
6-11-4	1	85	0	-139	T	H Roll			
6-11-4	1	210	0	-135	T	H Roll			
PROVIDE UPLIFT CONNECTION PER SCHEDULE									
PROVIDE HORIZONTAL CONNECTION PER SCHEDULE									

Unbalanced load case(s) have been checked.									
Joint locations									
1)	0-	6-10	3)	7-	0-0	5)	2-5-		
2)	2-	5-0	4)	7-	0-0	6)	0-6-1		
In-Plant Quality Assurance with Cq= 1									
--MAX. REACTIONS PER BEARING LOCATION--									
X-Loc	Bset	Vert	Horiz	Uplift	Y	T			
0-1-12	1	341	307	-184	B	-184	B		
6-11-4	1	85	0	-139	T	H	R		
6-11-4	1	210	0	-135	B	H	R		
PROVIDE UPLIFT CONNECTION PER SCHEDULE									
PROVIDE HORIZONTAL CONNECTION PER SCHEDULE									



Over 3 Supports Scale = 0.3234

WARNING:
READ ALL NOTES ON THIS SHEET. A COPY OF THIS DRAWING TO BE GIVEN TO
ERECTING CONTRACTOR. BRACING WARNING:

Eng Job:
Dwg:
Dsgnr: TLY Chk:

TC Live	16.0	psf	Lbr DF: 1.25
TC Dead	7.0	psf	Plt DF: 1.25
BC Live	10.0	psf	O.C.: 2 - 0 - 0
BC Dead	10.0	psf	TPI-02/FBC-04-FLA
TOTAL	43.0	psf	Code: FLA

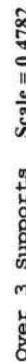
Profile Path: C:\TEE-LOK\Work\Jobs\CUMM5\CUMBERLAND M\JS5.prx

All bracing and erection recommendations are to be followed in accordance with accepted industry publications. Trusses are to be handled with particular care during banding and bundling, delivery and installation to avoid damage. Temporary and permanent bracing for holding trusses in a straight and plumb position and for resisting lateral forces shall be designed and installed by others. Careful handling is essential and erection bracing is always required. Normal precautionary action for trusses requires such temporary bracing during installation between trusses to avoid toppling and dominating. The supervision of erection of trusses shall be under the control of persons experienced in the installation of trusses. Professional advice shall be sought if needed. Concentration of construction loads greater than design loads should not be applied to trusses at any time. The design loads should be applied before the design loads are applied to trusses until after all fastening and bracing is completed.

EXCEPT AS SHOWN

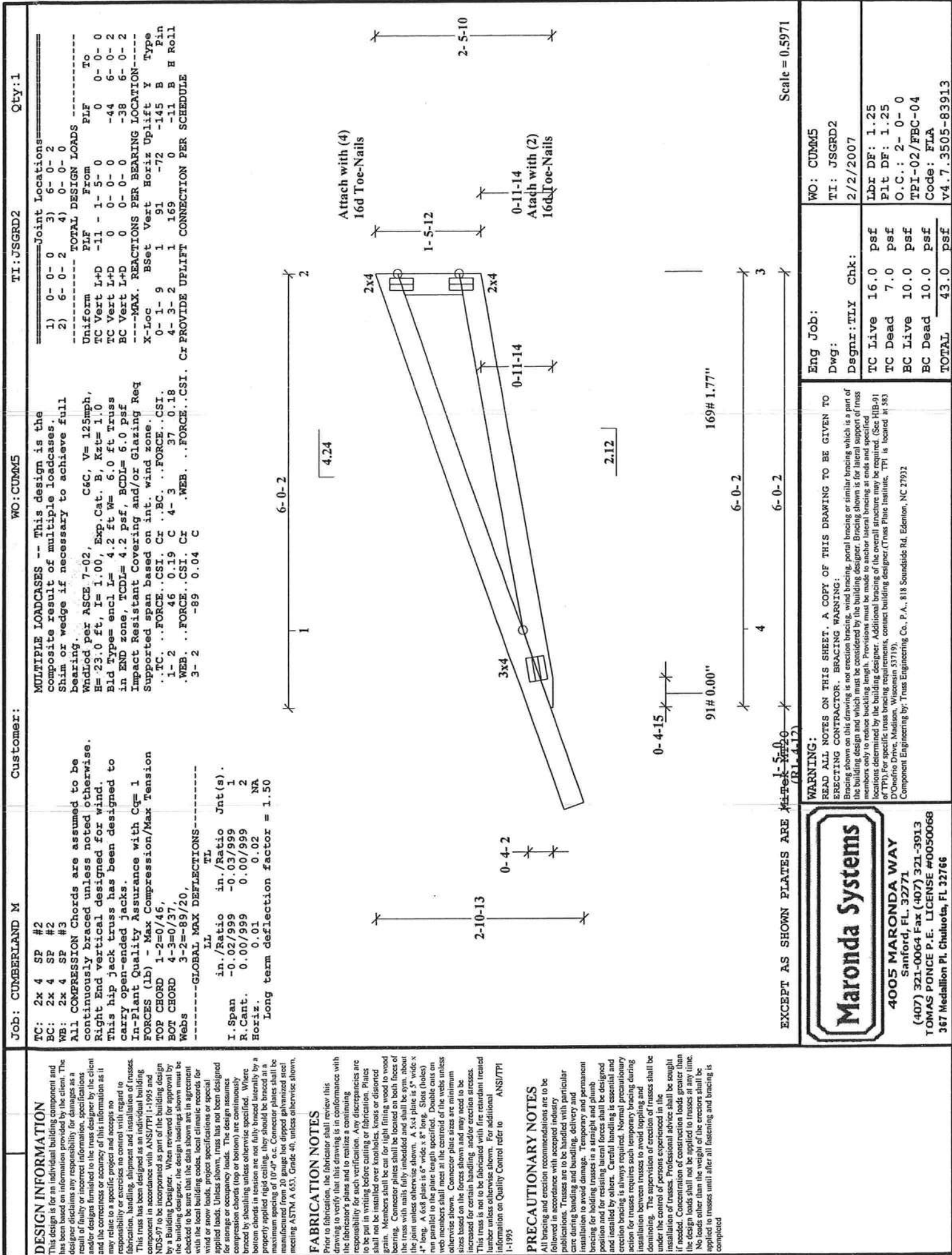
EXCEPT AS SHOWN PLATES ARE MILTEK N

Over 3 Supports Scale = 0.4782



Eng Job:	WO: CUM45			
Dwg:	TI: JS7			
Dsgnr: TLY	Chk:	8/21/2007		
TC Live	16.0	psf	Lbr DF: 1.25	
TC Dead	7.0	psf	Plt DF: 1.25	
BC Live	10.0	psf	O.C.: 2 - 0 - 0	
BC Dead	10.0	psf	FBC-04/TPI-02/NDS-01	
TOTAL	43.0	psf	Code: FLA	
			v555 6-9785	

Profile path: T:\TEMP-LOG\Work\Jobs\CTMMS\CTMMSRY AND M\TS7



SIGN INFORMATION

design is for an individual building component and design is based on information provided by the client. The client disclaims any responsibility for damages as a result of design or construction. The client is responsible for the design and construction of the building component. The client is responsible for the design and construction of the building component. The client is responsible for the design and construction of the building component.

ABRICATION NOTES

to fabricate, the fabricator shall review this drawing to verify that all materials and dimensions are in accordance with the design. The fabricator shall be responsible for the design and construction of the building component. The fabricator shall be responsible for the design and construction of the building component.

RECAUTIONARY NOTES

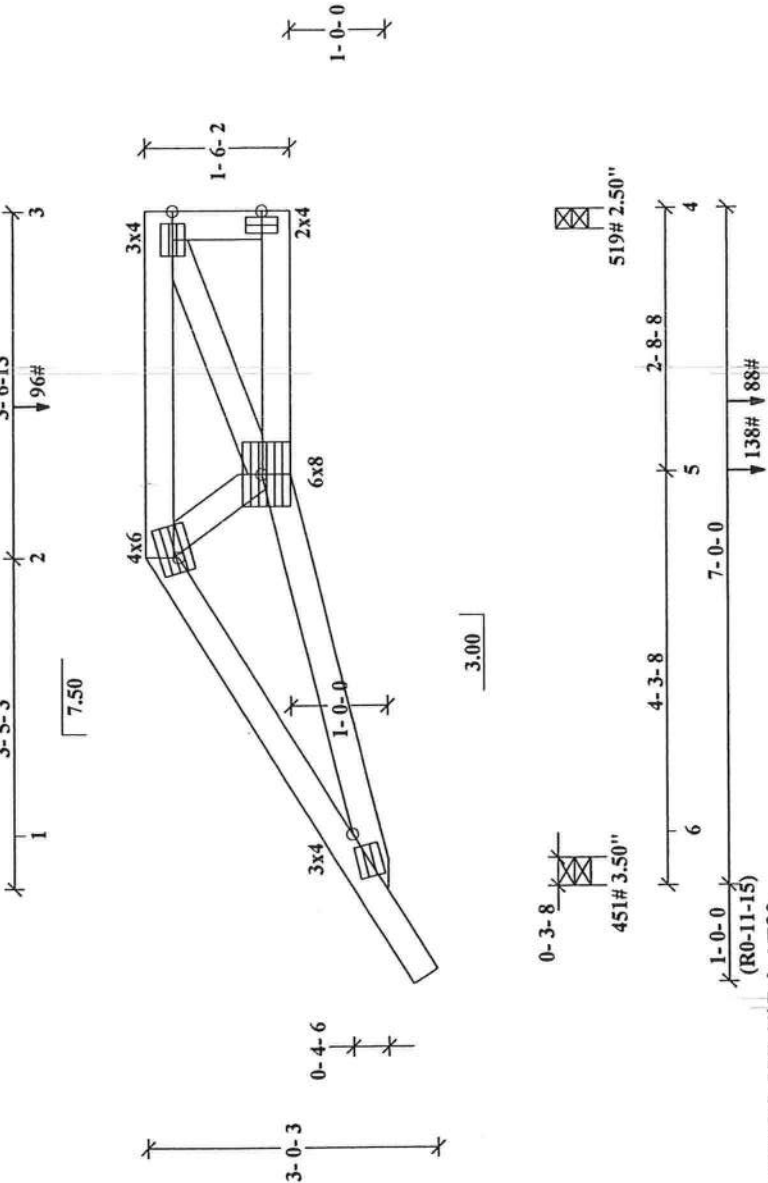
bracing and erection recommendations are to be followed in accordance with accepted industry practices. Trusses are to be handled with particular care during handling and bundling, delivery and installation to avoid damage. Temporary and permanent bracing for holding trusses in a straight and plumb position and for resisting lateral forces shall be designed and installed by others. Careful handling is essential and bracing is always required. Normal precautionary bracing is always required. Normal precautionary bracing is always required.

TC: 2x 4 SP #2
BC: 2x 4 SP #2
WB: 2x 4 SP #3
All COMPRESSION Chords are assumed to be continuously braced unless noted otherwise. Windload per ASCE 7-02, $C_{sc} = 1.25$ mph, $H = 23.0$ ft, $I = 1.00$, $Exp. Cat. B$, $K_{zt} = 1.0$. Bld Type = encl I = 44.0 ft W = 7.0 ft Truss in INT zone, $TCDL = 0.0$ psf, $BCDL = 0.0$ psf. Impact Resistant Covering and/or Glazing Req. $TC = 1.25$ psf, $BC = 1.25$ psf, $CS = 1.25$ psf. $2-3 = 749$ 0.13 C 6-5 643 0.23 2-3 -747 0.25 C 5-4 30 0.18

LL in./Ratio in./Ratio Jnt(s)
I Span -0.02/999 -0.04/999 3-2
Horiz. 0.01 0.01 NA
Max DL Deflection L/999 = -0.02
Long term deflection factor = 1.50

MULTIPLE LOADCASES -- This design is the composite result of multiple loadcases. Right End vertical designed for wind. In-Plant Quality Assurance with Cq=1. ---MAX. REACTIONS PER BEARING LOCATION--- X-Loc BSet Vert Horiz Uplift Y Type 0-1-12 1 451 58 -296 B Fin 6-10-12 1 519 0 -230 B H Roll PROVIDE UPLIFT CONNECTION PER SCHEDULE FORCES (lb) - Max Compression/Max Tension TOP CHORD 1-2=-749/311, 2-3=-747/273, BOT CHORD 6-5=-272/643, 5-4=-27/30, Webs 2-5=-14/218, 5-3=-263/810, 4-3=-428/216,

Joint Locations
1) 0-0-0 3) 7-0-0 5) 4-3-8
2) 3-5-3 4) 7-0-0 6) 0-0-0
TOTAL DESIGN LOADS
Uniform PLF From To
TC Vert L+D -45 -1-0-0 -45 7-0-0
BC Vert L+D -40 0-0-0 -40 7-0-0
Concentrated LBS Location
TC Vert L+D -96 5-0-0
BC Vert L+D -138 4-3-8
TC Vert L+D -88 5-0-0
WEBS...FORCE...CSI...Cr
2-5 218 0.07 C
5-3 810 0.25 C



EXCEPT AS SHOWN PLATES ARE M/Tek MT20

Scale = 0.5002

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

WARNING:
READ ALL NOTES ON THIS SHEET. A COPY OF THIS DRAWING TO BE GIVEN TO ERECTING CONTRACTOR. BRACING WARNING:
Bracing shown on this drawing is not erection bracing, wind bracing, portal bracing or similar bracing which is a part of the building design and which must be considered by the building designer. Bracing shown is for lateral support of truss members only to reduce buckling length. Provisions must be made to anchor lateral bracing at ends and specified locations determined by the building designer. Additional bracing of the overall structure may be required. (See HB-91 of TPI). For specific truss bracing requirements, contact building designer (Truss Plate Institute, TPI is located at 583 D'Oro Drive, Madison, Wisconsin 53719).
Component Engineering by: Truss Engineering Co., P.A., 818 Soundside Rd, Edenton, NC 27932

Eng Job:	WO: CUMM5
Dwg:	TI: MHSGRD1
Dsgnr: TLY	7/22/2006
Chk:	
TC Live	16.0 psf
TC Dead	7.0 psf
BC Live	10.0 psf
BC Dead	10.0 psf
TOTAL	43.0 psf
Lbr DF: 1.25	
Plt DF: 1.25	
O.C.: 2-0-0	
TPI-02/FBC-04	
Code: FLA	
v4.7.32-53001	

DESIGN INFORMATION

This design is for an individual building component and has been based on information provided by the client. The building designer disclaims any responsibility for damages as a result of faulty or incorrect information, specifications and/or designs furnished to the trust designer by the client and the correctness or accuracy of this information as it may have any relation to a specific project and accepts no responsibility for fabrication, handling, shipment and installation of crusses.

This trust has been designed as an individual building component in accordance with ANSI/TPI 1-1995 and NDS-7 to be incorporated as part of the building design by a Building Designer. When reviewed for approval by the building designer, the design loadings shown must be checked to be sure that the data shown is in agreement with the local building codes, local climatic records for wind and snow loads, project specifications or special applied loads. Unless shown, truss has not been designed for storage or occupancy loads. The design assumes combination clients (top or bottom) are continuously stressed by sheathing unless otherwise specified. Where maximum applied roof or floor loading is not specified, the maximum applied roof or floor loading should be based on a maximum applied 10-40" c/c. Connector plates shall be manufactured from 6061-T6 aluminum alloy extrusion meeting ASTM A 633, Grade 40, unless otherwise shown.

FABRICATION NOTES

Prior to fabrication, the fabricator shall review this drawing to verify that this drawing is in conformance with the fabricator's plans and to detect a conflicting responsibility for each ventilation. Any discrepancies are to be put in writing before cutting or fabrication. Plates shall not be installed over knuckles, knots or distorted wood grain. Members shall be cut for tight fitting wood to wood bearing. Connector plates shall be located on both sides of the truss with rails fully imbedded and shall be symmetrical about the joint unless otherwise shown. A 5x4 plate is 5" wide x 4" long. A 6x6 plate is 6" wide x 8" long. Slats (holes) in web parallel to the plate length) specified. Double cut in web members shall meet at the centroid of the webs unless otherwise shown. Connector plate sizes are minimum sizes based on the forces shown and may need to be increased for certain handling and/or erection stresses. This truss is not to be fabricated with the redundant treated lumber unless otherwise shown. For additional information on Quality Control refer to the CSI/ITPI

PRECAUTIONARY NOTES

All bracing and erection recommendations are to be followed in accordance with accepted industry publications. Trusses are to be handled with particular care during bundling and bundling, delivery and installation to avoid damage. Temporary and permanent bracing for holding trusses in a straight and plumb position and for resisting lateral loads shall be designed and installed by others. Careful handling is essential and erection bracing is always required. Normal precautionary action for trusses requires such temporary bracing during installation between trusses to avoid toppling and dismounting. The supervision of erection of trusses shall be the responsibility of competent persons. The installation of trusses by professional advice shall be sought if needed. Concentration of construction loads greater than the design loads shall not be applied to trusses at any time. No loads other than the weight of the erections shall be applied to trusses until after all fastening and bracing is completed.

TC:	2x 4	SP #2 D
	2x 4	SP #2
BC:	2x 6	SP #2
	2x 4	SP #3
WB:	2x 4	SP #2
		2-5,5-8
		4-13,4-12,5-12

8-12,9-11

ALL COMPRESSION Chords are assumed to be continuously braced unless noted otherwise.

W/ndled per ASCE 7-02, C&C, V= 125W

B= 23.0 ft, I= 1.00, Exp.Cat. B, K&t= 1.0

Bld Type= encl I W= 54.0 ft W= 44.0 ft Tru.

In INT zone, TCdL= 4.2 psf, BCDI= 5.0 psf

Impact Resistant Covering and/or Glazing

FORCES (lb) - Max Compression/Max Tension

TOE CHORD 1-2=-3468/3448, 2-3=-324/1391

3-4=-5236/1461, 4-5=-2192/1145, 5-6=-2192/

6-7=-3236/1461, 7-8=-3344/1391, 8-9=-3468/

BOT CHORD 14-13=-1165/3046, 13-12=-813/27

11-10=-813/2315, 10-9=-1165/3046,

12-11=-285/252, 13-13=-448/128,

13-4=-336/1000, 4-13=-756/450, 12-5=-714/1

15-6=-756/450, 6-11=-338/1000, 7-11=-148/1

11-8=-285/252, 11-11=-338/1000, 11-12=-

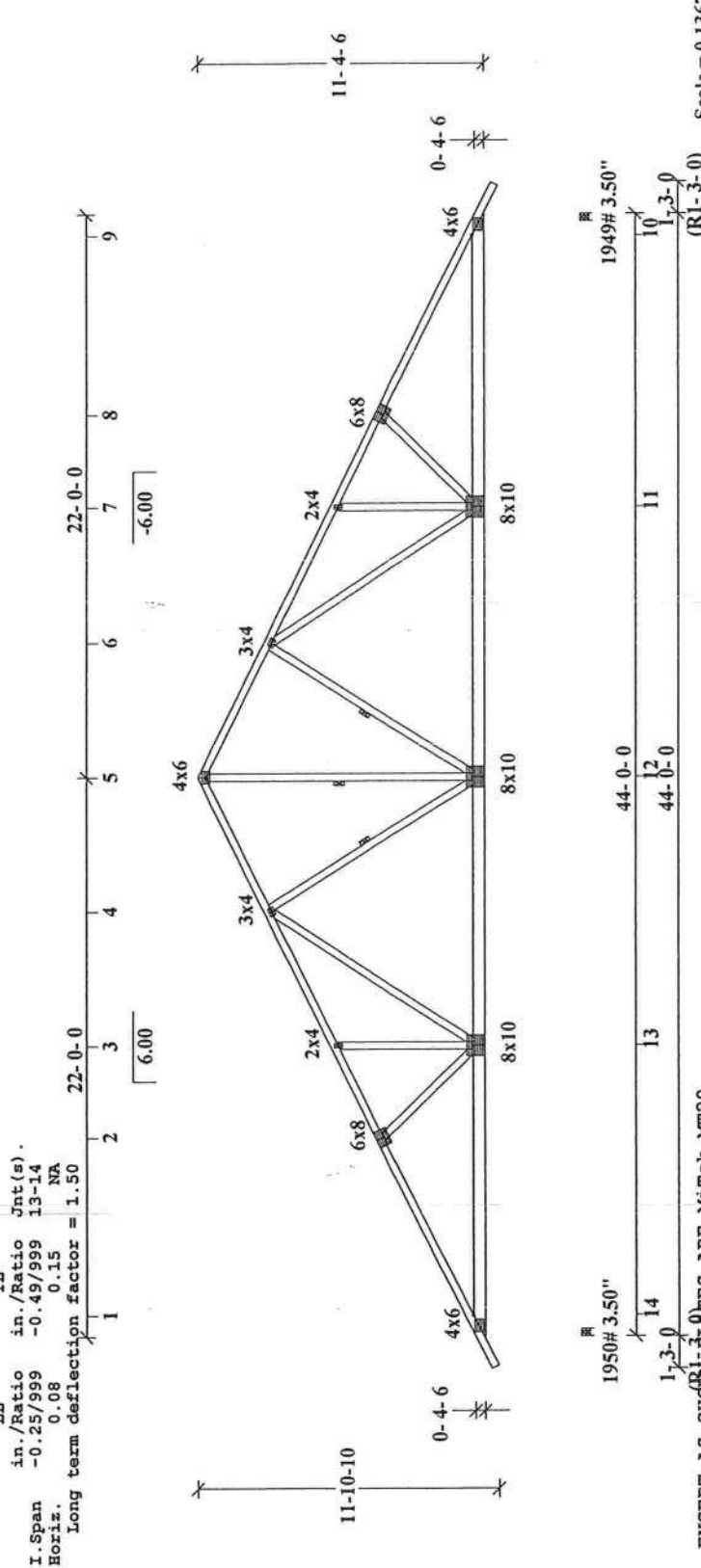
-----GLOBAL MAX DEFLECTIONS-----

	LL	TL
I. Span	in./Ratio	in./Ratio
Horiz.	-0.25/999	-0.49/999
	0.08	0.15
	Long term deflection factor = 1.50	

Bottom chord live loads based on uninhabitable areas without storage loaded concurrently per IRC-00 R301.4. MULTIPLE LOADCASES -- This design is the composite result of multiple loadcases. User defined loadcases have been considered in this design.

Bracing Schedule:		Web	Brace Pt	Joint to Joint
		1/2	4-12, 5-12, 6-12	
	Bracing shown is for visual purposes only.			
q	☒ Continuous lateral bracing attached to either edge of web(s) shown OR a T-brace, nailed flat to edge of web with 3"x 0.120" nails spaced 8" o.c. T-brace must extend at least 90% of web length and be same size, species, and grade as web.			
5,	2x6 T-Brace required on any web over 14' -			
8,	..WEB..	..FORCE..	..CSI..	..Ct..
,	2-13	-285	0.16	C
,	13- 3	-148	0.09	C
,	13- 4	1000	0.54	C
	4-12	-756	0.78	C
	12- 5	1679	0.63	C
	2-13	-285	0.16	C
	13- 3	-148	0.09	C
	13- 4	1000	0.54	C
	4-12	-756	0.78	C
	12- 5	1679	0.63	C
	2-13	-285	0.16	C
	13- 3	-148	0.09	C
	13- 4	1000	0.54	C
	4-12	-756	0.78	C
	12- 5	1679	0.63	C

		<u>Joint Locations</u>						
1)	0-0-0	6)	27-3-8	11)	32-6-15			
2)	7-9-13	7)	32-6-15	12)	22-0-0			
3)	11-5-1	8)	36-2-3	13)	11-5-1			
4)	16-8-8	9)	44-0-0	14)	0-0-0			
5)	22-0-0	10)	44-0-0					
In-Plant Quality Assurance with Cq= 1								
In-Plant Quality Assurance, per sec.	3.2-4 of TFI-I-02, for joint(s) :							
	1,4,5,6,9							
-----MAX. REACTIONS PER BEARING LOCATION-----								
X-Loc	Bset	Vert Horiz Uplift	Y Type					
0-1-12	1	1950	0	-909 B	H Roll			
43-10-4	1	1949	0	-909 B	H Roll			
PROVIDE UPLIFT CONNECTION PER SCHEDULE								
.TC.	..FORCE..CSI.	Cf	..BC.	..FORCE..CSI.				
1-2	-3468	0.98 A	14-13	3046	0.79			
2-3	-3244	0.55 A	13-12	2315	0.72			
I. Cf	3-4	-3236	0.9 A	12-11	2315	0.72		
178 C	4-5	-2352	0.93 A	11-10	3046	0.79		
54 C	5-6	-2192	0.43 A					
09 C	6-7	-3236	0.49 A					
16 C	7-8	-3244	0.55 A					
	8-9	-3468	0.98 A					



EXCEPT AS SHOWN ^(R1-3-0) PLATES ARE MITEK MT20
Scale = 0.136"

Maronda Systems

4005 MARONDA WAY
Sanford, FL 32771
(407) 321-0064 Fax (407) 321-3913
TOMAS PONCE P.E. LICENSE #0050066
367 Medallion Pl. Chuluota, FL 32766

WARNING:
READ ALL NOTES ON THIS SHEET. A COPY OF THIS DRAWING TO BE GIVEN TO
ERECTING CONTRACTOR. BRACING WARNING: The vertical bracing shown is a part of
the building design and will not be considered by the building designer. Bracing shown is for lateral support of truss
members only to reduce buckling length. Provisions must be made to anchor lateral bracing at ends and specified
locations determined by the building designer. Additional bracing of the overall structure may be required. (See HIB-91
of TPI). For specific truss bracing requirements, consult building designer. (Truss Plate Institute, TPI is located at 383
D'Orofino Drive, Madison, Wisconsin 53719).
Component Engineering by: Truss Engineering Co., P.A., 818 Seaside Rd, Edenton, NC 27932.

Component Engineering by: Russ Engineering Co., P.A., 816 Soundside Rd., Edmonds, NC 27927

Eng Job:	WO: CUMM5		
Dwg:	TI: T1C		
Dsgnr: TTY	Chk:	2/2/2007	
TC Live	16.0	psf	Lbr DF: 1.25
TC Dead	7.0	psf	Plt DF: 1.25
BC Live	10.0	psf	O.C.: 2- 0- 0
BC Dead	10.0	psf	TPI-02/FBC-04
TOTAL	43.0	psf	Code: FLA
			v4.7.3505-83823

Design: Matrix Analysis Profile Path: C:\FEE-LOK\Work\Jobs\CUMM5\CUMBERLAND M\TIC.prx

DESIGN INFORMATION

This design is for an individual building component and has been based on information provided by the client. The designer disclaims any responsibility for damages as a result of faulty or incorrect information, specifications and/or designs furnished to the truss designer by the client and the correctness or accuracy of this information as it may relate to a specific project and accept no responsibility or exercises no control with regard to fabrication, handling, shipment and installation of trusses. This truss has been designed as an individual building component in accordance with ANSI/TPI 1-1995 and NDS-91 to be incorporated as part of the building design by a Building Designer. When reviewed for approval by the Building Designer, the design loadings shown must be checked to be sure that the data shown are in agreement with the local building codes. Local climatic records for wind or snow loads, project specifications or special applied loads. Unless shown, truss has not been designed for storage or occupancy loads. The design assumes compression chords (top or bottom) are continuously braced by shoring unless otherwise specified. Where bottom chords in tension are not fully braced laterally by a properly applied rigid ceiling, they should be braced at a maximum applied rigid ceiling of 11'-4" o.c. Connector plates shall be manufactured from 1/4" gauge hot dipped galvanized steel meeting ASTM A 653, Grade 40, unless otherwise shown.

FABRICATION NOTES

Prior to fabrication, the fabricator shall review this drawing to verify that this drawing is in conformance with the fabricator's plans and to realize a continuing responsibility for such verification. Any discrepancies are to be put in writing before cutting or fabrication. Plates shall not be installed over knotholes, knots or distorted grain. Members shall be cut for tight fitting wood to wood bearing. Connector plates shall be located on both faces of the truss with nails fully embedded and shall be sym. about the joint unless otherwise shown. A 3x6 plate is 5" wide x 4" long. A 4x6 plate is 6" wide x 6" long. Plates shall be parallel to the plate length specified. Fabric cuts on web members shall be made at the specified angle of the truss unless otherwise shown. Connector plate sizes are minimum sizes based on the forces shown and may need to be increased for certain handling and/or erection stresses. This truss is not to be fabricated with fire retardant treated lumber unless otherwise shown. For additional information on Quality Control refer to ANSI/TPI 1-1995

PRECAUTIONARY NOTES

All bracing and erection recommendations are to be followed in accordance with accepted industry publications. Trusses are to be handled with particular care during banding and building, delivery and installation to avoid damage. Temporary and permanent bracing for lifting and erection shall be designed and installed by others. Careful handling is essential and erection bracing is always required. Normal precautionary action for trusses requires such temporary bracing during installation between trusses to avoid toppling and dominating. The supervision of erection of trusses shall be under the control of persons experienced in the installation of trusses. Professional advice shall be sought if needed. Concentration of construction loads greater than the design loads shall not be applied to trusses at any time. No loads other than the weight of the erections shall be applied to trusses until after all fastening and bracing is completed

Customer: CUMBERLAND M

TC: 2x 4 SP #2
BC: 2x 6 SP #2
WB: 2x 4 SP #3
2x 4 SP #2

4-13, 4-12, 5-12, 6-12
6-11

MULTIPLE LOADCASES -- This design is the composite result of multiple loadcases. ALL COMPRESSION Chords are assumed to be continuously braced unless noted otherwise. User defined loadcases have been considered in this design.

---MAX. REACTIONS PER BEARING LOCATION---
X-Loc BSet Vert Horiz Uplift Y Type
0- 1-12 1 1776 56 -819 B Pin
39-10- 0 1 1718 0 -768 B H Roll

PROVIDE UPLIFT CONNECTION PER SCHEDULE

Name: CUMBERLAND M

Customer: CUMBERLAND M

WO: CUMM5

TT: T1SC

Qty: 4

Bottom chord live loads based on uninhabitable areas without storage loaded concurrently per IRC-00 R301.4. [] or []: Plate(s) OFFSET from joint center. The Joint Detail Report must be included with any submittal, inspection, and/or fabrication documentation. Right End vertical designed for wind. Windload per ASCE 7-02, C6C, V= 125mph, B= 23.0 ft, I= 1.00, Exp. Cat. B, Kzt= 1.0 Bld Type= encl L= 54.0 ft W= 40.0 ft Truss in INT zone, TCOL= 4.2 psf, BCDL= 6.0 psf Impact Resistant Covering and/or Glazing Req Bracing Schedule: Webs Brace Ft Joint to Joint 1/2 4-12 5-12, 6-12

Bracing shown is for visual purposes only. Continuous lateral bracing attached to either edge of web(s) shown OR a T-brace, nailed flat to edge of web with 3"x 0.120" nails spaced 8" o.c. T-brace must extend at least 90% of web length and be same size, species, and grade as web. 2x6 T-Brace required on any web over 14'-0".

Joint Locations

1) 0- 0- 0 6) 27- 3- 8 11) 32- 6-15
2) 6- 1- 9 7) 32- 6-15 12) 22- 0- 0
3) 11- 5- 1 8) 37-10- 7 13) 11- 5- 1
4) 16- 8- 8 9) 39-11- 8 14) 0- 0- 0
5) 22- 0- 0 10) 39-11- 8

This truss is designed in accordance with the 2004 Florida Building Code section 2306.1 and referenced standards, U.N.O. In-Plant Quality Assurance with Cq = 1.00 In-Plant Quality Assurance, per sec. 3.2.4 of TPI-1-02, for joint(s): 1,4,8

-----GLOBAL MAX DEFLECTIONS-----
LL TL
I. Span in./Ratio in./Ratio Jnt(s)
Horiz. -0.20/999 -0.40/545 13-14 (L)
0.05 0.10 NA
Long term deflection factor = 1.50
(L): Deflection is from local inner panel

17-11-8 22-0-0 3 4 5 6 7 8 9

6.00 -6.00

11-10-10 0-4-6 11-4-6

4x6 3x4 6x8 8x10 2x4 3x6 4x6

1776# 3.50" 39-11-8 1718# 3.00"

1-3-0 13 12 11 10

EXCEPT AS SHOWN PLATES ARE

Scale = 0.1336

WARNING:
READ ALL NOTES ON THIS SHEET. A COPY OF THIS DRAWING TO BE GIVEN TO ERECTING CONTRACTOR. BRACING WARNING:
Bracing shown on this drawing is not erection bracing, wind bracing, portal bracing or similar bracing which is a part of the building design and which must be considered by the building designer. Bracing shown is for lateral support of truss members only to reduce buckling length. Provisions must be made to anchor lateral bracing at ends and specified locations determined by the building designer. Additional bracing of the overall structure may be required. (See HIB-91 of TPI). For specific truss bracing requirements, contact building designer. (Truss Plate Institute, TPI is located at 583 D'Orofino Drive, Madison, Wisconsin 53719).
Component Engineering by: Truss Engineering Co., P.A., 818 Soundside Rd. Edmon, NC 27932

Maronda Systems

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

Eng Job:

Dwg:

Dsgnr: TLY Chk:

TC Live 16.0 psf
TC Dead 7.0 psf
BC Live 10.0 psf
BC Dead 10.0 psf
TOTAL 43.0 psf

WO: CUMM5
TI: T1SC
8/21/2007
Lbr DF: 1.25
Plt DF: 1.25
O.C.: 2- 0- 0
FBC-04/TPI-02/NDS-01
Code: FLA
v5.5.6-9786

Design: Matrix Analysis

Profile Path: T:\WEB-LOK\Work\Jobs\CUMM5\CUMBERLAND M\T1SC.prx

Job: CUMBERLAND M

Customer:

WO: CUMMS

TI: V17

Qty: 1

TC: 2x 4 SP #2

BC: 2x 4 SP #2

WB: 2x 4 SP #3

GBL: 2x 4 SP #3

DESIGN INFORMATION

is design for an individual building component and is based on information provided by the client. The engineer disclaims any responsibility for damages as a result of faulty or incorrect information, specifications or design furnished to the truss designer by the client and the correctness or accuracy of this information as it relates to a specific project and accepts no responsibility or exercises no control with regard to erection, handling, shipment and installation of trusses. The truss has been designed as an individual building component in accordance with ANSI/TPI 1-1995 and 35-97 to be incorporated as part of the building design by the building designer. The design drawings in agreement with the local building codes, local climatic records for wind or snow loads, project specifications or special requirements shall be followed. The design assumes storage or occupancy loads. The design assumes compression chords (top or bottom) are continuously braced by sheathing unless otherwise specified. Where truss chords in tension are not fully braced laterally by a properly applied rigid ceiling, they should be braced at a minimum spacing of 10'-0" o.c. Connector plates shall be manufactured from 20 gauge hot dipped galvanized steel unless ASTM A 653, Grade 40, unless otherwise shown.

Analysis based on Simplified Analog Model.

All COMPRESSION Chords are assumed to be continuously braced unless noted otherwise.

Windload per ASCE 7-02, C&C, V= 125mph, B= 23.0 ft, I= 1.00, Exp. Cat. B, Kzt= 1.0

Bld Type= encl I= 19.2 ft W= 19.2 ft Truss

in END zone, TCDL= 4.2 psf, BCDL= 1.2 psf

Impact Resistant Covering and/or Glazing Req

Bracing Schedule:

Web: 1/2 4-15, 5-14, 6-13

Bracing shown is for visual purposes only.

FORCES (lb) - Max Compression/Max Tension

TOP CHORD 1-2=88/255, 2-3=54/152,

3-4=45/97, 4-5=72/81, 5-6=86/81, 6-7=106/32,

7-8=123/9, 8-9=123/63,

BOT CHORD 1-17=0/0, 17-18=0/0, 18-19=0/0,

19-20=0/0, 20-21=0/0, 21-22=0/0, 22-23=0/0,

23-24=0/0, 24-25=0/0, 25-26=0/0, 26-27=0/0,

27-28=0/0, 28-29=0/0, 29-30=0/0, 30-31=0/0,

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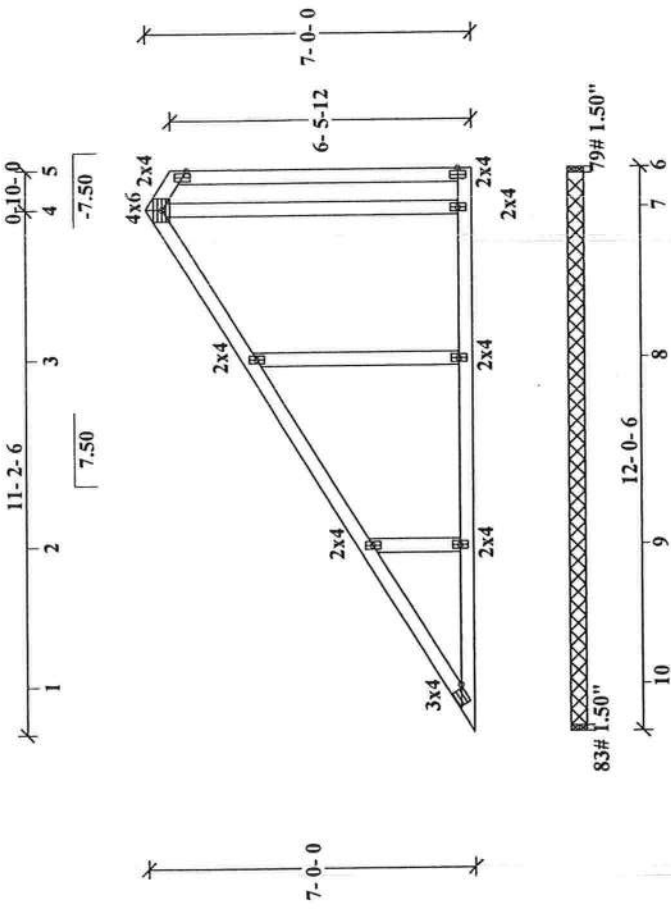
If bracing and erection recommendations are to be followed in accordance with accepted industry practices, trusses are to be handled with particular care during handling and erection. Temporary bracing and erection aids, such as temporary and permanent stabilization for holding trusses in a straight and plumb position, for holding trusses in the design position and for resisting lateral forces shall be designed and installed by others. Careful handling is essential and erection bracing is always required. Normal precautionary erection bracing is always required. Normal precautionary erection bracing requires such temporary bracing during installation between trusses to avoid toppling and overturning. The supervision of erection of trusses shall be under the control of persons experienced in the installation of trusses. Professional advice shall be sought if needed. Concentration of construction loads greater than design loads shall not be applied to trusses at any time. No loads other than the weight of the erectors shall be applied to trusses until after all bracing and erection is completed.

Design: Matrix Analysis

0.67 TOTAL

Code: FLA
vA 7 32-5

00



Job: CUMBERLAND M

Customer: WO: CUMM5

TI: V20

Qty: 1

TC: 2x 4 SP #2

BC: 2x 4 SP #2

WB: 2x 4 SP #3

ALL COMPRESSION Chords are assumed to be continuously braced unless noted otherwise.

User defined loadcases have been considered in this design.

FORCES (lb) - Max Compression/Max Tension

TOP CHORD 1-2=41/73,

BOT CHORD 4-3=21/29,

Webs 3-2=52/139,

DESIGN INFORMATION

is design for an individual building component and is based on information provided by the client. The client disclaims any responsibility for damages as a result of faulty or incorrect information, specifications or design furnished to the truss designer by the client. The truss designer shall be responsible for the accuracy of the information as it relates to the building design. The truss designer shall be responsible for the accuracy of the information as it relates to the building design. The truss designer shall be responsible for the accuracy of the information as it relates to the building design.

Multiple Loadcases -- This design is the composite result of multiple loadcases. Right end vertical designed for wind. Windload per ASCE 7-02, C6, V= 125mph, H= 23.0 ft, I= 1.00, Exp. Cat. B, Kzt= 1.0 Bld Type= encl I= 2.5 ft W= 2.5 ft Truss in END zone, TCDL= 4.2 psf, BCDL= 1.2 psf Impact Resistant Covering and/or Glazing Req. .TC. .FORCE. CSI. Cr. .BC. .FORCE. CSI. 1- 2 73 0.07 A 4- 3 29 0.09

-----GLOBAL MAX DEFLECTIONS-----

LL TL in./Ratio in./Ratio Jnt(s). I.Span 0.01/xxxx 0.00/xxxx 4 Horiz. 0.00 0.00 NA Max DL Deflection L/xxx = -0.01 Long term deflection factor = 1.50

Joint Locations

1) 0- 0- 0 3) 2- 6- 0

2) 2- 6- 0 4) 0- 0- 0

In-Plant Quality Assurance with Cq= 1

---MAX. REACTIONS PER BEARING LOCATION---

X-Loc BSet Vert Horiz Uplift Y Type

0- 0-12 1 84 -153 -146 B Pin

2- 5-4 1 91 -194 B H Roll

PROVIDE UPLIFT CONNECTION PER SCHEDULE

.WEB. .FORCE. CSI. Cr. .WEB. .FORCE. CSI. Cr.

3- 2 139 0.05 C

EXCEPT AS SHOWN PLATES ARE MITek MT20

Scale = 0.6414

WARNING:

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

Component Engineering by: Truss Engineering Co., P.A., 818 Soundside Rd, Eden, NC 27932

Maronda Systems

4005 MARONDA WAY

Sanford, FL 32771

(407) 321-0064 Fax (407) 321-3913

TOMAS PONCE P.E. LICENSE #0050068

367 Medallion Pl. Chuluota, FL 32766

Design: Matrix Analysis

Profile Path: C:\TEE-LOK\work\Jobs\CUMM5\CUMBERLAND M\V20.prx

ABRICATION NOTES

For to fabrication, the fabricator shall review this drawing to verify that this drawing is in conformance with the building design. The fabricator shall be responsible for the accuracy of the information as it relates to the building design. The fabricator shall be responsible for the accuracy of the information as it relates to the building design.

RECAUTIONARY NOTES

It is the responsibility of the fabricator to ensure that the truss is fabricated in accordance with the building design. The fabricator shall be responsible for the accuracy of the information as it relates to the building design. The fabricator shall be responsible for the accuracy of the information as it relates to the building design.

2x4

3x4

2x4

1-3-0

2-6-0

6.00

84# 1.50"

91# 1.50"

2-6-0

3

4

Job: CUMBERLAND FLOOR

Customer: WOCUMF

TI:FB

Qty:1

TC: 4x 2 SP #2

4x 2 SP #2 D

13-20

BC: 4x 2 SP #2

4x 2 SP #1 D

25-30

WB: 4x 2 SP #3

4x 2 SP #2

0-0

DESIGN INFORMATION

This design is for an individual building component and has been based on information provided by the client. The design assumes any responsibility for damages as a result of faulty installation or use of the product. The client and the contractor are responsible for the accuracy of the information as it may relate to a specific project and accept no responsibility or liability for any errors or omissions in this drawing. This design is the composite result of multiple loads. All COMPRESSION Chords are assumed to be continuously braced unless noted otherwise. This truss is designed to bear on multiple supports. Interior bearing locations should be marked on truss. Shim or wedge if necessary to achieve full bearing. FORCES (lb) - Max Compression/Max Tension TOP CHORD 1-2=0/0, 2-3=238/2238, 3-4=238/2238, 4-5=-1245/0, 5-6=-1245/0, 6-7=-1924/56, 7-8=-1924/56, 8-9=-1494/1195, 9-10=-1494/1195, 10-11=-1494/1195, 11-12=0/4151, 12-13=0/4151, 13-14=0/4151, 14-15=-1500/548, 15-16=-1500/548, 16-17=-3805/0, 17-18=-3805/0, 18-19=-3805/0, 19-20=-3236/0, 20-21=-3236/0, 21-22=-3236/0, 22-23=0/0, 23-24=0/0, 24-25=0/0, 25-26=0/0, 26-27=0/0, 27-28=0/0, 28-29=0/0, 29-30=0/0, 30-31=0/0, 31-32=0/0, 32-33=0/0, 33-34=0/0, 34-35=0/0, 35-36=0/0, 36-37=0/0, 37-38=0/0, 38-39=0/0, 39-40=0/0, 40-41=0/0, 41-42=0/0, 42-43=0/0, 43-44=0/0, 44-45=0/0, 45-46=0/0, 46-47=0/0, 47-48=0/0, 48-49=0/0, 49-50=0/0, 50-51=0/0, 51-52=0/0, 52-53=0/0, 53-54=0/0, 54-55=0/0, 55-56=0/0, 56-57=0/0, 57-58=0/0, 58-59=0/0, 59-60=0/0, 60-61=0/0, 61-62=0/0, 62-63=0/0, 63-64=0/0, 64-65=0/0, 65-66=0/0, 66-67=0/0, 67-68=0/0, 68-69=0/0, 69-70=0/0, 70-71=0/0, 71-72=0/0, 72-73=0/0, 73-74=0/0, 74-75=0/0, 75-76=0/0, 76-77=0/0, 77-78=0/0, 78-79=0/0, 79-80=0/0, 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930-931=0/0, 931-932=0/0, 932-933=0/0, 933-934=0/0, 934-935=0/0, 935-936=0/0,

This design is for an individual building component and has been based on information provided by the client. The designer disclaims any responsibility for damages as a result of faulty or incorrect information, specifications and/or designs furnished to the trust designer by the client and the correctness or accuracy of this information as it may relate to a specific project and accepts no responsibility for a specific project and accepts no responsibility for fabrication, handling, shipment and installation of trusses. This truss has been designed in accordance with the provisions of the ANSI/TPI-1 1995 NDS-97 to be incorporated as part of the building design by a building designer. When reviewed for approval by the building designer, the design loadings shown must be checked to be sure that the data shown are in agreement with the local building codes, local climatic records for wind and snow loads, project specifications or special wind or snow loads, project specifications or special applied loads. Unless shown, truss has not been designed for storage or occupancy loads. The design assumes compression chords (top or bottom) are continuously braced by sheathing unless otherwise specified. Where bottom chords in tension are not fully braced laterally by a properly applied rigid ceiling, they should be braced at a maximum spacing of 10 ft. The top chord of the truss must be braced by a properly applied rigid ceiling or by a properly applied truss brace. This truss is designed in accordance with the provisions of the ANSI/TPI-1 1995 NDS-97. Grade 40 unless otherwise noted.

Prior to fabrication, the fabricator shall review this drawing to verify that this drawing is in conformance with the fabricator's plans and to realize a continuing responsibility for its verification. Any discrepancies are to be put in writing before cutting or fabricating. Plates shall not be installed over bolts/nuts, brook or distorted bearing. Members shall be cut for tight fitting wood to wood bearing. Connector plates shall be located on both faces of the truss with nails fully imbedded and shall be sym. about the joint unless otherwise shown. A 5x4 plate is "5" wide x 4' long. A 6x8 plate is 6" wide x 8' long. Double cuts on run parallel to the plate length specified. Scribe cuts on run transverse to the plate length specified. Bolted web members shall meet at the centroid of the webs unless otherwise shown. Connector plate sizes are minimum increases based on the forces shown and may need to be increased for certain handling and/or erection stresses. This truss is not to be fabricated with fire retardant treated lumber unless otherwise shown. For additional information on Quality Control refer to ANSII/TPI-1-1995.

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

Maronda Systems

Design: Matrix Analysis

0492.7

ALL COMPRESSION Chords are assumed to be continuously braced unless noted otherwise.

In-Plant Quality Assurance with Cq = 1.11

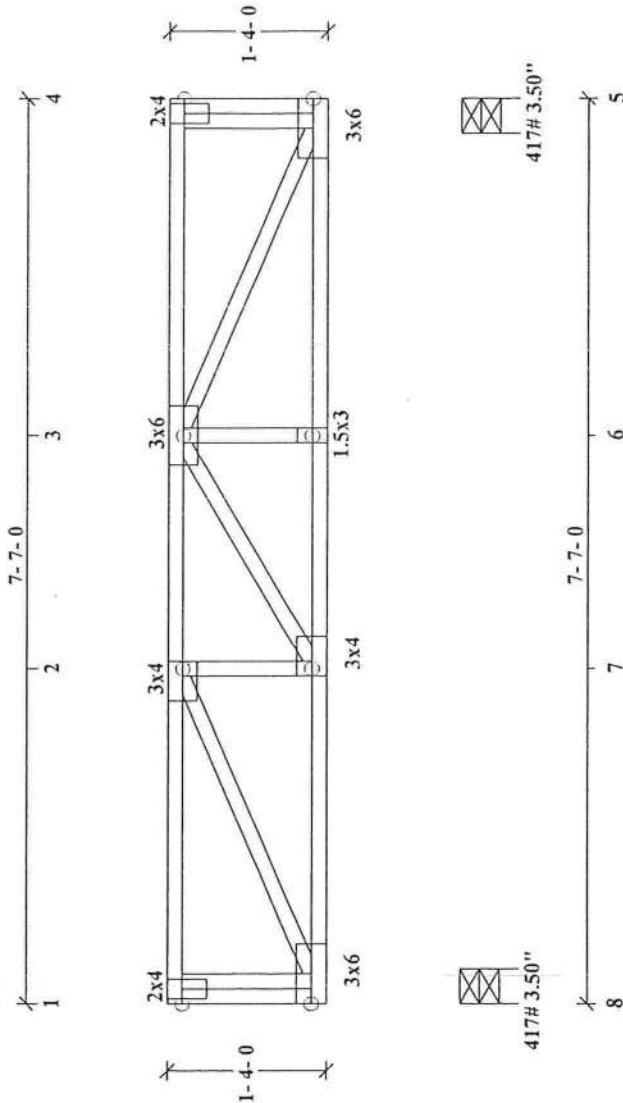
FORCES (lb) - Max Compression/Max Tension

TOP CHORD 1-2-0/0,2-3=-640/0,3-4=0/0

BOT CHORD 8-7-0/640,7-6-0/640,6-5-0/640, webs 8-1-122/0,8-2=-659/0,7-2-0/25, 7-3=0/0,6-3-0/25,3-5=-693/0,5-4=-122/0, -----GLOBAL MAX DEPLECTIONS-----

	LL	TL	
I.Span	in./Ratio	in./Ratio	Jnt(s).
Horiz.	-0.04/999	-0.07/999	4-3
	0.00	0.01	NA
Max DL Deflection L/999			= -0.02
Long term deflection factor			= 1.50

Typical Panel = 30"



Scale = 0.6151

WARNING:

READ ALL NOTES ON THIS SHEET. A COPY OF THIS DRAWING TO BE GIVEN TO THE SELECTING CONTRACTOR. BRACING MARKING:
Bracing shown on this drawing is not considered by the building designer, portal bracing or similar bracing which is a part of the building design and which must be provided by the building designer. Bracing shown is for lateral support of truss members only to reduce buckling length. Provisions must be made to anchor lateral bracing at ends and specified dimensions determined by the building designer. Additional bracing of the overall structure may be required. (See HB-91 for TPI) For specific truss bracing requirements, contact building engineer (Truss Plate Institute, TPI) located at 583 Component Engineering by: Truss Engineering Co., P.A., 818 Sandridge Rd. Elevation, NC 27932

Eng Job:

...

Dwg:

Dsgnr:TLY Chk:

TC Live 40.0 psf

TC	Dead	10	0	pdf
TC	Dead	10	0	pdf

Time	Temperature	Pressure
0.00	0.00	0.00
0.01	0.01	0.01
0.02	0.02	0.02
0.03	0.03	0.03
0.04	0.04	0.04
0.05	0.05	0.05
0.06	0.06	0.06
0.07	0.07	0.07
0.08	0.08	0.08
0.09	0.09	0.09
0.10	0.10	0.10
0.11	0.11	0.11
0.12	0.12	0.12
0.13	0.13	0.13
0.14	0.14	0.14
0.15	0.15	0.15
0.16	0.16	0.16
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0.20	0.20	0.20
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0.23	0.23	0.23
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0.27	0.27	0.27
0.28	0.28	0.28
0.29	0.29	0.29
0.30	0.30	0.30
0.31	0.31	0.31
0.32	0.32	0.32
0.33	0.33	0.33
0.34	0.34	0.34
0.35	0.35	0.35
0.36	0.36	0.36
0.37	0.37	0.37
0.38	0.38	0.38
0.39	0.39	0.39
0.40	0.40	0.40
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0.42	0.42	0.42
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0.80	0.80	0.80
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0.87	0.87	0.87
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0.95	0.95	0.95
0.96	0.96	0.96
0.97	0.97	0.97
0.98	0.98	0.98
0.99	0.99	0.99
1.00	1.00	1.00

BC live	0.0 psi	psi
1	0.0	0.0
2	0.0	0.0
3	0.0	0.0
4	0.0	0.0
5	0.0	0.0
6	0.0	0.0
7	0.0	0.0
8	0.0	0.0
9	0.0	0.0
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82	0.0	0.0
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85	0.0	0.0
86	0.0	0.0
87	0.0	0.0
88	0.0	0.0
89	0.0	0.0
90	0.0	0.0
91	0.0	0.0
92	0.0	0.0
93	0.0	0.0
94	0.0	0.0
95	0.0	0.0
96	0.0	0.0
97	0.0	0.0
98	0.0	0.0
99	0.0	0.0
100	0.0	0.0

BC Dead 5.0 psf

TOTAL	55.0	psf
-------	------	-----

WO: CIME

NO. CONT.

TI: FF

3/2/2006

Lbr DF: 1.00

Plt DF: 1.00

O.C.: 2-0-

TPI-02/FBC-04

Code: FLA



ENGINEERING CONSULTANTS IN GEOTECHNICAL • ENVIRONMENTAL • CONSTRUCTION MATERIALS TESTING

REPORT OF SOIL DENSITY BY NUCLEAR METHODS

Client:..... Maronda Homes
 Address:..... 7478 SW 60th Avenue, Ste B
 City, State, Zip Code:..... Ocala, FL 34476
 Date of Test:..... January 4, 2008
 Test Location:..... Timber Lands, Lot 4, 187 S.W. Timber Ridge Drive
 Area of Test:..... Building Pad & Footing

Test Methods: In Place Compaction Test per ASTM D-2922 Nuclear Method
 MAXIMUM DRY DENSITY PER AASHTO T-180 (MODIFIED PROCTOR)

TEST LOCATION	LAB DENSITY lb/ft ³	PERCENT OPTIMUM MOISTURE	DRY DENSITY lb/ft ³	PERCENT FIELD MOISTURE	PERCENT DENSITY
Center of Pad final grade	103.7	12.0	100.4	9.6	96.8
Center of E. Footing final grade	103.7	12.0	98.8	8.3	95.3
Center of W. Footing final grade	103.7	12.0	99.1	8.7	95.6

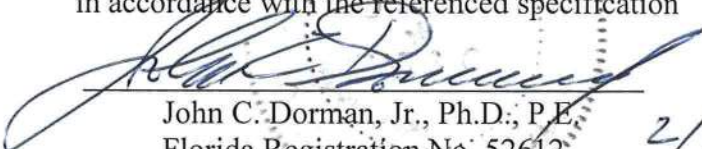
GTI is not responsible for determining thickness of fill soils. Above mentioned tests represent that location only. No other warranties are expressed or implied.

Lift = 12" Thickness

Field Technician: WC

Remarks:

The above tests were performed and reported
 in accordance with the referenced specification


 John C. Dorman, Jr., Ph.D., P.E.
 Florida Registration No. 52612

2/11/08

26622

FIELD DENSITY WORKSHEET

CLIENT MARONDA HOMES DATE 30 JAN 08
LAKE CITY
 PROJECT NAME TIMBERLANDS LOT # 4 PROJECT NO. _____
 EARTH CONTRACTOR 187 SW TIMBER RIDGE DR. PERMIT NO. #000026622
 COMPACTION REQUIREMENT (%) 95% ☐ Standard Proctor TESTED BY JWC
☒ Modified Proctor PATRICIA FIELD CONTACT
 TOTAL ON-SITE TIME _____ MILES FROM OFFICE _____
☐ Limerock ☐ Subgrade ☐ Pipe Backfill ☐ Building Pad ☐ Building Footing ☐ Other _____

TEST LOCATION	LAB PROCTOR		TEST DEPTH	PROBE DEPTH	% MOIST.	WET DENSITY (PCF)	DRY DENSITY (PCF)	% COMP.
	DENS.	OMC						
CTR. OF PAD	103.7	12.0	FT	12"	9.6	110.0	100.4	96.8
CTR. OF E. FTG	2	1	1	1	8.3	107.0	98.8	95.3
CTR. OF W. FTG	2	1	1	1	8.7	107.8	99.1	95.6

REMARKS _____

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

COLUMBIA COUNTY OFFICE COLUMBIA

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-16-02856-104

Building permit No. 000026622

Use Classification SFD, UTILITY

Fire: 32.10

Permit Holder THEODORE BROCK

Waste: 83.75

Owner of Building MARONDA HOMES

Total: 115.85

Location: 187 SW TIMBER RIDGE DR., LAKE CITY, FL

Date: 05/19/2008

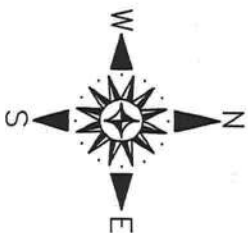
Wayne H. Burr

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



LEGAL DESCRIPTION:
LOT FOUR (4) OF "TIMBERLANDS" AS PER PLAT THEREOF, AS RECORDED IN PLAT BOOK "D", PAGE 2 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.



PROPOSED BUILDING LAYOUT

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



CERTIFIED TO:

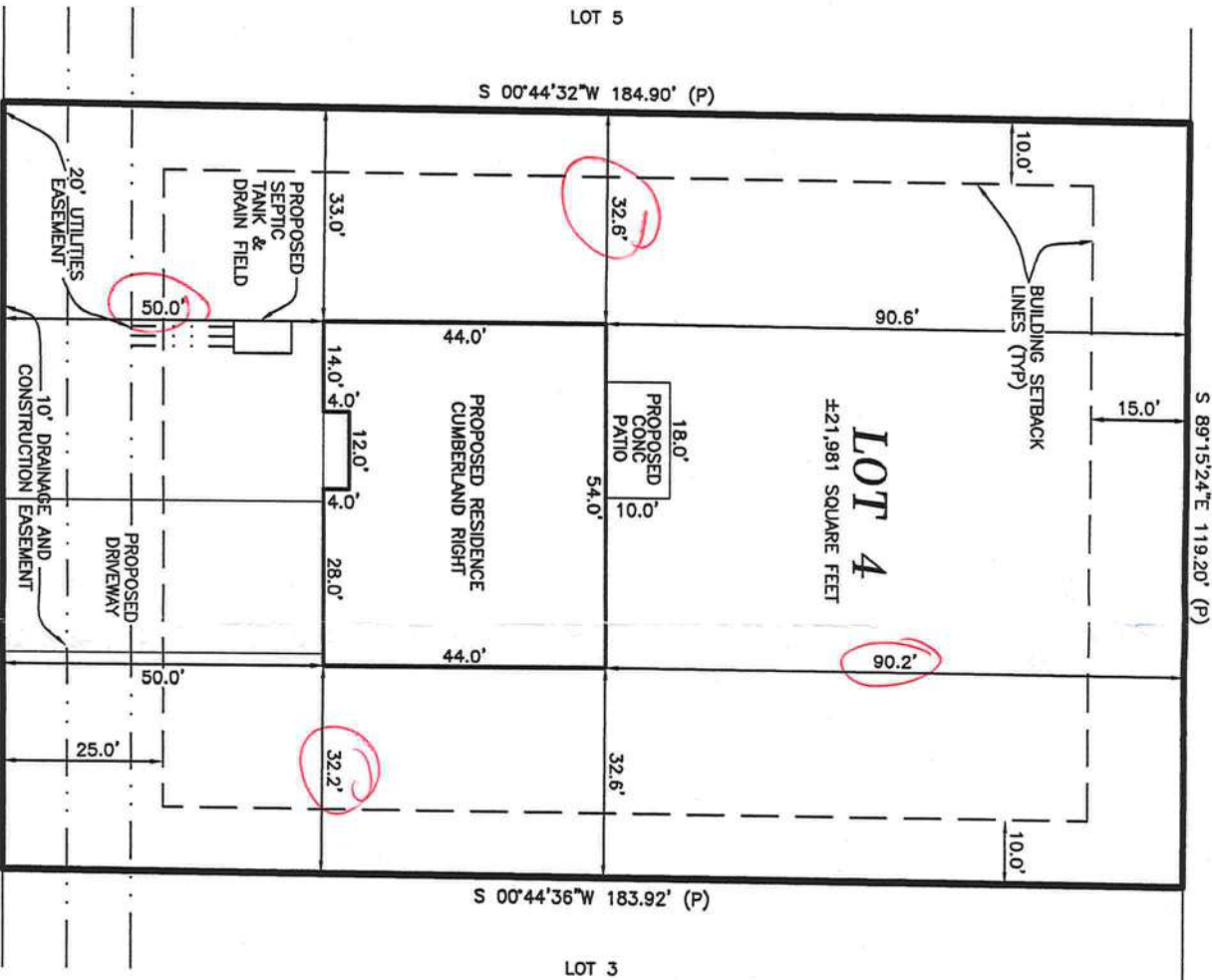
1) MARONDA HOMES

BUILDING SETBACK NOTE:

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

SURVEYOR NOTES:

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



FLOOD NOTE:

IN THE OPINION OF THIS SURVEYOR, ACCORDING TO THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 120070-0175-B, DATED 1-6-88, THIS PROPERTY IS IN FLOOD ZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE 500-YEAR FLOOD PLAIN, AS SCALED FROM SAND 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.

SW TIMBER RIDGE DRIVE

60' RIGHT-OF-WAY

TITLE NOTE:

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

LEGEND:

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

ABBREVIATIONS:

- A = ARC LENGTH
- A/C = AIR CONDITIONER
- ALUM = ALUMINUM
- ASPH = ASPHALT
- AVE = AVENUE
- BLK = BLOCK
- BLVD = BOULEVARD
- BM = BENCHMARK
- C = CALCULATED FROM MEASURED
- CATV = CABLE TELEVISION
- C/B = CONCRETE BLOCK
- CL = CENTER LINE
- CLF = CHAIN LINK FENCE
- CM = CONCRETE MONUMENT
- CMP = CORRUGATED METAL PIPE
- CONC = CONCRETE
- DOT = DEPARTMENT OF TRANSPORTATION
- ELEC = ELECTRIC
- ELEV = ELEVATION
- FND = FOUND
- FNC = FENCE
- (I) = PER LEGAL DESCRIPTION
- LB = LICENSED SURVEYOR BUSINESS
- (M) = FIELD MEASURED
- MH = MANHOLE
- P = PLAT
- PB = PLAT BOOK
- P.U.E. = PUBLIC UTILITIES EASEMENT
- R/W = RIGHT OF WAY

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 61417-6, FLORIDA ADMINISTRATIVE CODE.

BY  JAMES E. BRINKMAN, PSM - FLA. CERT# 5582
DATE: 10/31/07



BRINKMAN SURVEYING & MAPPING INC.

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

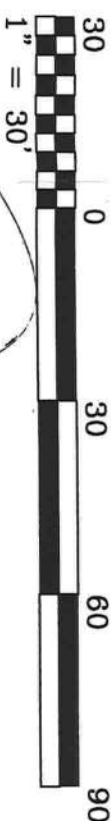
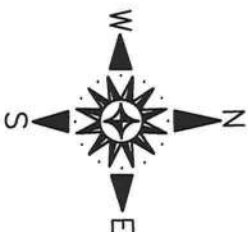
SCALE: 1" = 30'	"THE BENCHMARK IN QUALITY SERVICE"	DRAWN BY: ZL
DATE: 10/15/07		CHECKED BY: J.B.

THIS IS NOT A BOUNDARY SURVEY

PREPARED FOR: MARONDA HOMES	DRAWING NUMBER
	300-07

LEGAL DESCRIPTION:
LOT FOUR (4) OF "TIMBERLANDS" AS PER PLAT THEREOF, AS RECORDED IN PLAT BOOK "D", PAGE 2 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

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



CERTIFIED TO:
1) MARONDA HOMES

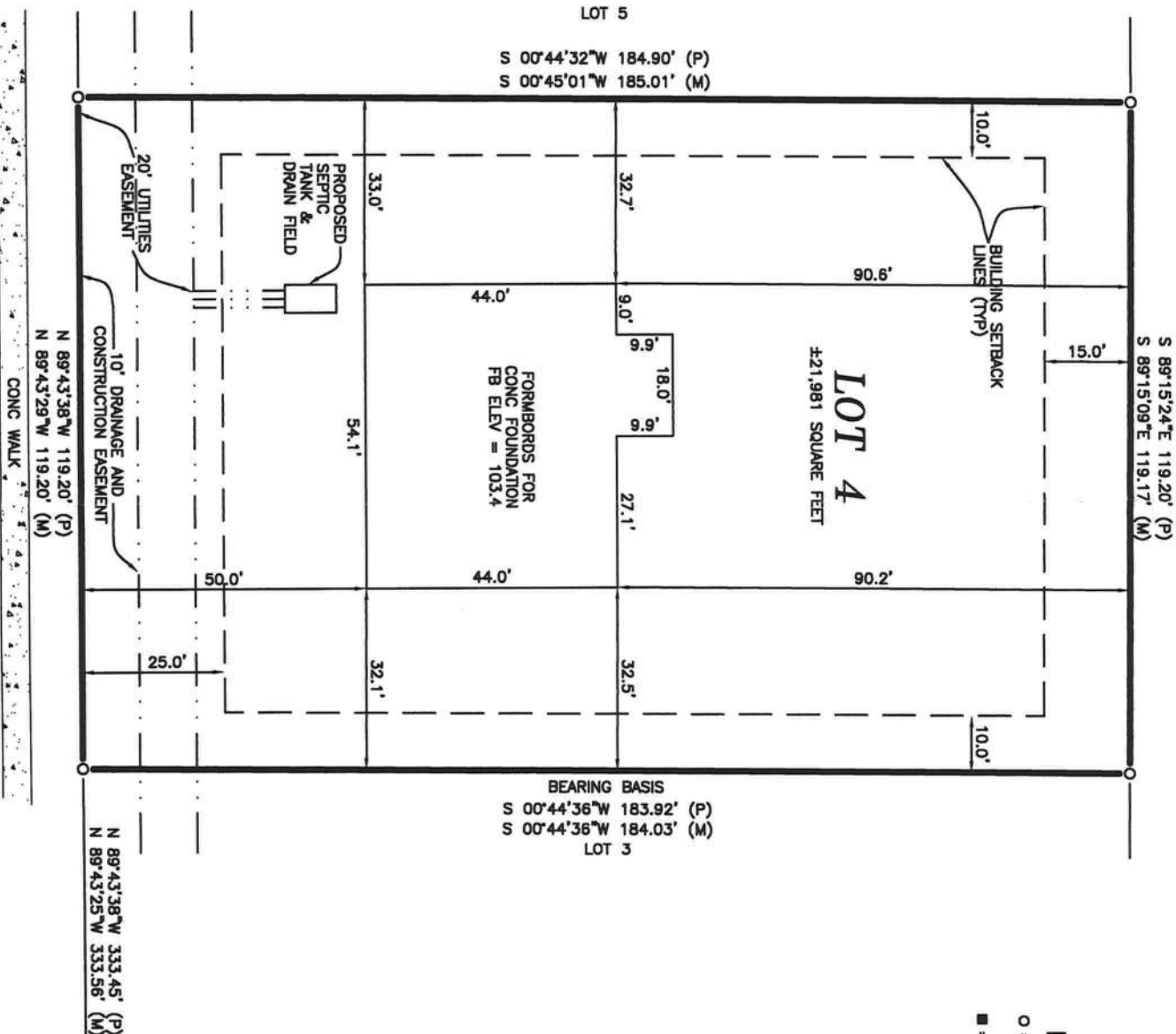
BUILDING SETBACK NOTE:
BUILDING SETBACK INFORMATION FOR "TIMBERLANDS" IS AS FOLLOWS: FRONT 25', REAR 15', SIDE 10'

BEARING NOTE:
BEARINGS SHOWN HEREON ARE REFERRED TO AN ASSUMED VALUE OF N. 00°44'36" W., FOR THE EAST PROPERTY LINE OF LOT 4.

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

SURVEYOR NOTES:

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



SW TIMBER RIDGE DRIVE
60' RIGHT-OF-WAY
±20' ASPHALT ROAD

EDGE OF PAVEMENT

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

LEGEND:

- = FOUND 1 1/2" REBAR & CAP
- LB. 6894
- = FOUND 4" X 4" CONC. MON.
- NO IDENTIFICATION

ABBREVIATIONS:

- A = ARC LENGTH
- A/C = AIR CONDITIONER
- ALUM = ALUMINUM
- ASPH = ASPHALT
- AVE = AVENUE
- BLK = BLOCK
- BLYD = BOULEVARD
- BM = BENCHMARK
- C = CALCULATED FROM MEASURED
- CATV = CABLE TELEVISION
- C/B = CONCRETE BLOCK
- CL = CENTER LINE
- CLF = CHAIN LINK FENCE
- CM = CONCRETE MONUMENT
- CMP = CORRUGATED METAL PIPE
- CONC = CONCRETE
- DOT = DEPARTMENT OF TRANSPORTATION
- ELEC = ELECTRIC
- ELEV = ELEVATION
- FND = FOUND
- FNC = FENCE
- (L) = PER LEGAL DESCRIPTION
- LB = LICENSED SURVEYOR BUSINESS
- (M) = FIELD MEASURED
- MH = MANHOLE
- P = PLAT
- PB = PLAT BOOK
- P.U.E. = PUBLIC UTILITIES EASEMENT
- R/W = RIGHT OF WAY

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 61G1-6, FLORIDA ADMINISTRATIVE CODE.

BY: *James E. Brinkman*
JAMES E. BRINKMAN, FSM = FLA. CERT# 5582
DATE: 2/5/08

BRINKMAN SURVEYING & MAPPING INC.

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

SCALE: 1" = 30' DRAWN BY: ZL

DATE: 2/4/08 "THE BENCHMARK IN QUALITY SERVICE" CHECKED BY: J.B.

FIELD WORK COMPLETED: 1/31/08 FIELD BOOK 95 PAGE 49

PREPARED FOR: MARONDA HOMES DRAWING NUMBER 300-07



HOMETEAM
PEST DEFENSE®

TREATMENT WORKORDER

☐ Termite Baiting System w/Tubes-under-the slab

☐ Treat Only

☒ Tubes-under-the slab and Treat

☐ Bora-Care

DATE CALLED IN:	2-4	DATE OF SCHEDULE:	2-5
TIME CALLED IN:		TIME SCHEDULE:	11-11:30

JOB NAME:

SUBDIVISION:

JOB ADDRESS:

Marganda
187 S.W. Timber Ridge Dr.
Lake City, FL

BILLING NAME:

BILLING PHONE:

BILLING ADDRESS:

CALLED IN BY:

PHONE:

PERMIT NUMBER:

LOT & MODEL NUMBER:

Lot 4

DATE & TIME COMPLETED:

2-5-08

SQUARE FOOT:

2554

LINEAR FOOT:

BLOCKVOIDS:

SLAB TYPE:

Mono

TYPE OF FILL:

Sand

APPROX. DEPTH OF FOOTING:

Outside:

Inside:

☐ Addition

☐ Spot Treat

☐ Pool Addition

☐ Driveway

☐ Final/Completion

☐ Other

PESTICIDE USED:

Imaxx Pro

TOTAL APPLIED:

1309g

PERCENT (%) USED:

0/90

STICKER POSTED:

yes

PRICE PER SQ. FT. =

TOTAL FOR P.T. =

ADDITIONAL

TAX:

TOTAL AMOUNT \$

X

X TECHNICIAN:

John

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

GT 23 / TCI