

CH: 855384
Columbia County Building Permit Application

For Office Use Only Application # 0712-13 Date Received 12/5/07 By GT Permit # 1501/26545
Application Approved by - Zoning Official BLK Date 12.12.07 Plans Examiner DKJTH Date 12-7-07
Flood Zone A Development Permit N/A Zoning RSF-2 Land Use Plan Map Category RES-LOW-DEN
Comments Plot Requires MFE of 94.0 feet Elevation Confirmation Required

☐ NOC ☒ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel # ☐ Development Per

Name Authorized Person Signing Permit Theodore C. Brook Fax (904) 296-1490
Address 7634 SW 60th Ave. Ocala, FL 34476 Phone (904) 332-6367

Owners Name Monarch Homes Inc of Florida Phone (904) 296-1490
111 Address 152 SW Mulberry Drive, Lake City, FL

Contractors Name Theodore C. Brook Phone 1-321-436-0393
Address 7634 SW 60th Ave. Ocala, FL 34476

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Thomas Ponce 4005 Naranja Way Sanford, FL 32771

Mortgage Lenders Name & Address Bank of America 200 Park Ave S. Suite 400 Winter Park, FL 32789

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive En

Property ID Number 10-45-16-02850-125 Estimated Cost of Construction 76,578

Subdivision Name Timberland 3 Lot 25 Block --- Unit --- (Phase 1)

Driving Directions HWY 90 West LEFT 247 South

RT ON 252B RIGHT ON TIMBER RIDGE DR. LEFT ON

ON MULBERRY and LOT ON RIGHT

Type of Construction (Residential) Single family residence Number of Existing Dwellings on Property 0

Total Acreage .51 Lot Size 22,204 Do you need a Culvert Permit or Culvert Waiver or Have an Existing

Actual Distance of Structure from Property Lines - Front 36' Side 25' Side 32.5' Rear 16.5'

Total Building Height 22ft Number of Stories 2 Heated Floor Area 2223 Roof Pitch 5/12 to 6/12

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 all laws regulating construction in this jurisdiction.

OWNERS AFFIDAVIT: 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.

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

Owner Builder or Authorized Person by Notarized Letter

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 7th day of November 2007.

Personally known X or Produced Identification



Contractor Signature
Contractors License Number CRC1326913
Competency Card Number ---
NOTARY STAMP/SEAL

Dionne Palmeri
Notary Signature

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
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

 **Debbie G. Moore**
Commission # DD400475
Expires March 16, 2009
Bonded Troy Fein - Insurance, Inc. 800-385-7018



STATE OF FLORIDA
DEPARTMENT OF HEALTH

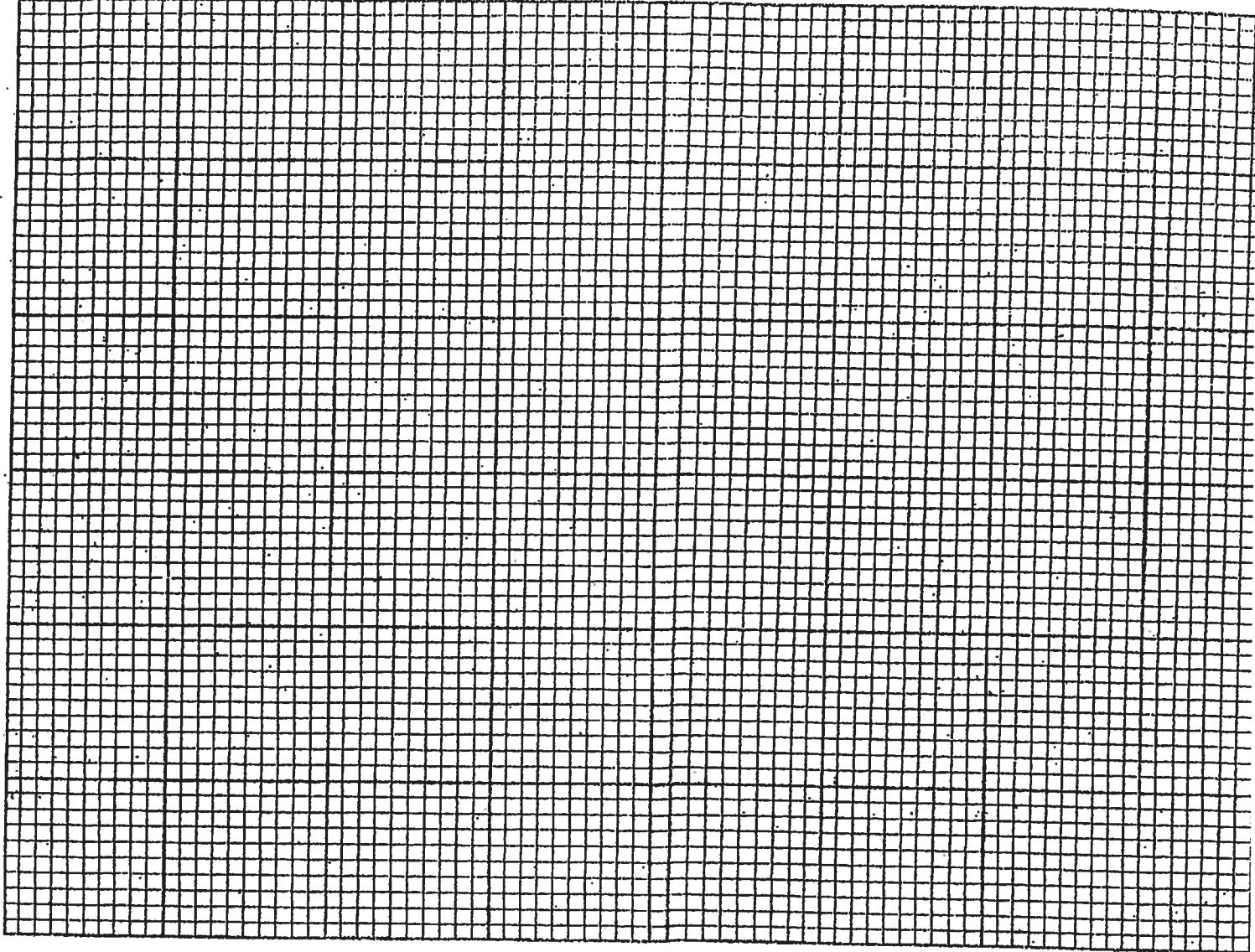
See attached.

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 07-886

PART II - SITE PLAN

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



Notes: _____

Site Plan submitted by: Jessica Agent

Signature

Title

Plan Approved [Signature] Not Approved _____ Date 9-27-07

11-20-07

By [Signature] Columbin 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

LOT 24

CURVE	RADIUS	TANGENT	LENGTH	DELTA
1(P)	300.00'	104.86'	201.76'	38°31'59"

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

- 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.

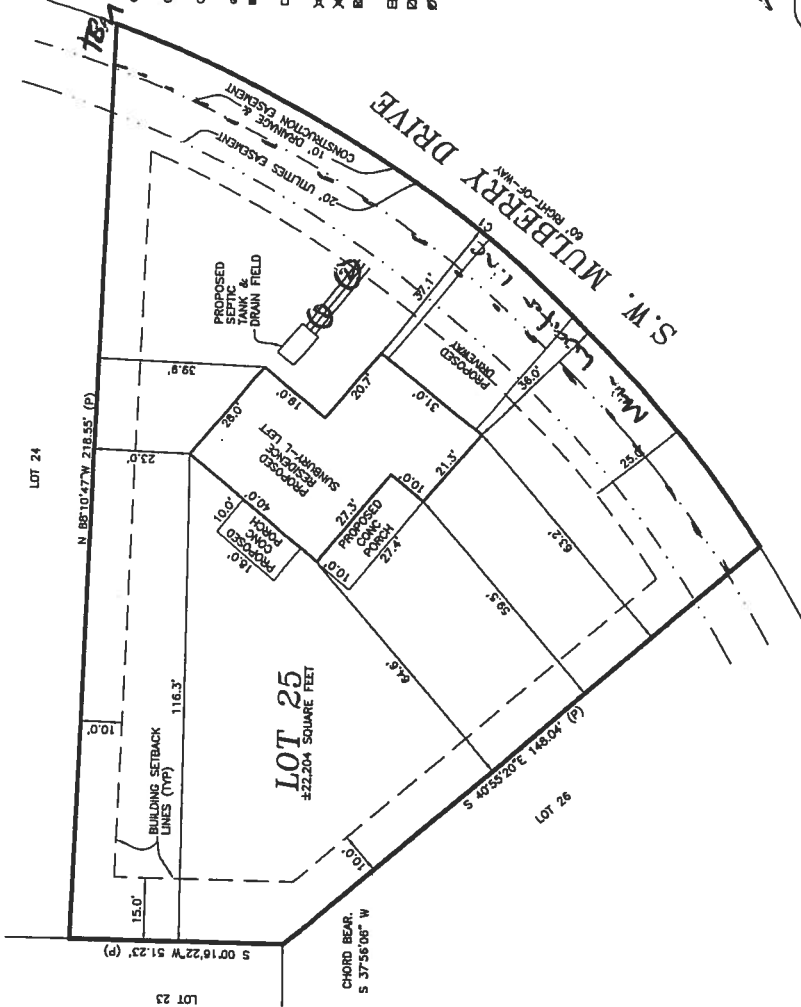
4) BUILDING SETBACK LINES DEPICTED HEREON ARE SHOWN AS PER THE RECORD PLAT, BUT ARE SUBJECT TO CHANGE, PRIOR TO ANY NEW CONSTRUCTION. THE APPROPRIATE GOVERNING AUTHORITY SHOULD BE CONTACTED FOR THE CURRENT SETBACK REQUIREMENTS.

5) THIS MAP OF SURVEY REFLECTS CONDITIONS LOCATED AS OF THE DATE OF FIELD WORK COMPLETION (SEE TITLE BLOCK)

b) AREAS OF ENVIRONMENTAL CONCERN HAVE NOT BEEN LOCATED BY THIS SURVEYOR, UNLESS OTHERWISE DEPICTED HEREON.

IN THE OPINION OF THIS SURVEYOR, ACCORDING TO THE INFORMATION OF THE INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP COMINGLING PANEL 18-B-1, DATED 1-8-88, THIS PROPERTY IS IN FLOOD ZONE 1. THIS MAP WAS DETERMINED TO BE OUTSIDE 500-YEAR FLOOD PLAIN AND WAS SCALED FROM SAID MAP. INFORMATION FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAPS, SHOWN ON THIS MAP, WAS CURRENT AS OF THE REFERENCE DATE. MAP REVISIONS AND AMENDMENTS ARE NOT REFLECTED ON THIS MAP. ANY LETTERS AND MAY NOT BE REFLECTED ON THE MOST CURRENT.

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:

- [illegible]

**THIS IS NOT A BOUNDARY SURVEY
CERTIFICATE OF SURVEYOR:**

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

I HEREBY CERTIFY THAT THE SURVEY DATA SHOWN HEREON, IS A TRUE AND CORRECT REPRESENTATION OF A SURVEY PERFORMED UNDER MY SUPERVISION OF THE 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 60G17-14, FLORIDA ADMINISTRATIVE CODE.

BY:  JAMES E. BRINKMAN, PSU - 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

30'	
-----	--

30	"THE BENCHMARK IN QUALITY SERVICE"	DRAWN
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07	CHECKE
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COMPLETED ON **** FIELDBOOK **, PAGE **

100

DR: MARONDA HOMES

Columbia County Building Department Culvert Permit

Culvert Permit No.
000001501

DATE 12/21/2007 PARCEL ID # 10-4S-16-02856-125
APPLICANT TED BROCK PHONE 904.332.6367
ADDRESS 7634 SW 60TH AVENUE OCALA FL 34476
OWNER MARONDA HOMES, INC. OF FL PHONE 904.296.1490
ADDRESS 152 SW MULBERRY DRIVE LAKE CITY FL 32024
CONTRACTOR THEODORE C. BROCK PHONE 321.436.0393
LOCATION OF PROPERTY 90-W TO SR.247-S TO C-252-B, TR TO TIMBER RIDGE DR, TR TO MULBERRY, TL
2ND LOT ON R.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT TIMBERLANDS 25 1

SIGNATURE 

INSTALLATION REQUIREMENTS



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

INSTALLATION NOTE: Turnouts will be required as follows:

- a) a majority of the current and existing driveway turnouts are paved, or;
 - b) the driveway to be served will be paved or formed with concrete.
- Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



Other _____

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

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

Amount Paid 25.00



Permit # 26545

Inst: 200812000168 Date: 1/4/2008 Time: 2:43 PM
J2 DC, P. DeWitt Cason, Columbia County Page 1 of 1

NOTICE OF COMMENCEMENT

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): 2511 Timberlands
a) Street (job) Address: 152 SW Milberry Drive
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.

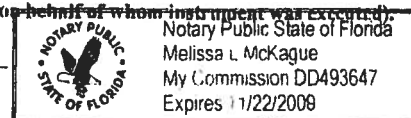
STATE OF FLORIDA
COUNTY OF COLUMBIA

10. [Signature]
Signature of Owner or Owner's Authorized Officer/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.

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

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	SUNBURY 3 CAR GARAGE CONVERSION GAINESVILLE		MARONDA HOMES
Address:	Lot: , Sub: , Plat:	Permitting Office:	<i>County</i>
City, State:	,	Permit Number:	
Owner:	ELECTRIC	Jurisdiction Number:	<i>221000</i>
Climate Zone:	North		

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 42.5 kBtu/hr ___ SEER: 14.00 ___
3. Number of units, if multi-family	1	___	b. Central Unit	Cap: 22.6 kBtu/hr ___ SEER: 14.00 ___
4. Number of Bedrooms	4	___	c. N/A	___
5. Is this a worst case?	Yes	___	13. Heating systems	
6. Conditioned floor area (ft²)	2870 ft²	___	a. Electric Heat Pump	Cap: 42.5 kBtu/hr ___ HSPF: 8.00 ___
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		___	b. Electric Heat Pump	Cap: 22.6 kBtu/hr ___ HSPF: 8.00 ___
a. U-factor:	Description Area	___	c. N/A	___
(or Single or Double DEFAULT)	7a(Sngle Default) 327.0 ft²	___	14. Hot water systems	
b. SHGC:		___	a. Electric Resistance	Cap: 50.0 gallons ___ EF: 0.90 ___
(or Clear or Tint DEFAULT)	7b. (Clear) 327.0 ft²	___	b. N/A	___
8. Floor types		___	c. Conservation credits	___
a. Slab-On-Grade Edge Insulation	R=0.0, 195.0(p) ft	___	(HR-Heat recovery, Solar	___
b. Raised Wood, Post or Pier	R=11.0, 80.0ft²	___	DHP-Dedicated heat pump)	___
c. N/A	___	___	15. HVAC credits	PT, ___
9. Wall types		___	(CF-Ceiling fan, CV-Cross ventilation,	___
a. Concrete, Int Insul, Exterior	R=4.2, 1216.0 ft²	___	HF-Whole house fan,	___
b. Frame, Wood, Exterior	R=11.0, 992.0 ft²	___	PT-Programmable Thermostat,	___
c. N/A	___	___	MZ-C-Multizone cooling,	___
d. N/A	___	___	MZ-H-Multizone heating)	___
e. N/A	___	___		___
10. Ceiling types		___		___
a. Under Attic	R=19.0, 1820.0 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, 50.0 ft		___		___

Glass/Floor Area: 0.11

Total as-built points: 33717

Total base points: 35422

PASS

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

PREPARED BY: Gary Carmack

DATE: 9-27-07

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

OWNER/AGENT: Jessica Abrey

DATE: 9-27-07

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



BUILDING OFFICIAL: _____

DATE: _____

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

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

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X SPM X SOF = Points				
.18	2870.0	18.59	9604.0	1.Single, Clear	W	1.0	6.0	16.0	43.84	0.97	680.0
				2.Single, Clear	W	1.0	4.0	12.0	43.84	0.91	480.0
				3.Single, Clear	W	1.0	4.0	12.0	43.84	0.91	480.0
				4.Single, Clear	W	1.0	7.0	30.0	43.84	0.98	1292.0
				5.Single, Clear	W	1.0	14.0	16.0	43.84	1.00	699.0
				6.Single, Clear	W	1.0	15.0	10.0	43.84	1.00	437.0
				7.Single, Clear	E	1.0	16.0	40.0	47.92	1.00	1910.0
				8.Single, Clear	E	1.0	15.0	30.0	47.92	1.00	1432.0
				9.Single, Clear	E	1.0	13.0	9.0	47.92	1.00	429.0
				10.Single, Clear	E	1.0	6.0	16.0	47.92	0.97	743.0
				11.Single, Clear	E	1.0	6.0	16.0	47.92	0.97	743.0
				12.Single, Clear	E	1.0	6.0	30.0	47.92	0.97	1394.0
				13.Single, Clear	N	1.0	14.0	30.0	21.73	1.00	649.0
				14.Single, Clear	E	1.0	8.0	40.0	47.92	0.99	1899.0
				15.Single, Clear	E	1.0	8.0	20.0	47.92	0.99	949.0
				As-Built Total:		327.0			14216.0		
WALL TYPES		Area X BSPM = Points		Type	R-Value		Area X SPM = Points				
Adjacent	0.0	0.00	0.0	1. Concrete, Int Insul, Exterior	4.2		1216.0	1.12		1361.9	
Exterior	2208.0	1.70	3753.6	2. Frame, Wood, Exterior	11.0		992.0	1.70		1686.4	
Base Total:		2208.0	3753.6	As-Built Total:		2208.0		3048.3			
DOOR TYPES		Area X BSPM = Points		Type			Area X SPM = Points				
Adjacent	0.0	0.00	0.0	1.Exterior Insulated			20.0	4.10		82.0	
Exterior	20.0	6.10	122.0								
Base Total:		20.0	122.0	As-Built Total:		20.0		82.0			
CEILING TYPES		Area X BSPM = Points		Type	R-Value		Area X SPM X SCM = Points				
Under Attic	1723.0	1.73	2980.8	1. Under Attic	19.0		1820.0	2.34 X 1.00		4258.8	
Base Total:		1723.0	2980.8	As-Built Total:		1820.0		4258.8			
FLOOR TYPES		Area X BSPM = Points		Type	R-Value		Area X SPM = Points				
Slab	195.0(p)	-37.0	-7215.0	1. Slab-On-Grade Edge Insulation	0.0		195.0(p)	-41.20		-8034.0	
Raised	80.0	-3.99	-319.2	2. Raised Wood, Post or Pier	11.0		80.0	1.05		84.4	
Base Total:			-7534.2	As-Built Total:		275.0		-7949.6			

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

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

PERMIT #:

BASE				AS-BUILT			
INFILTRATION Area X BSPM = Points				Area X SPM = Points			
2870.0 10.21 29302.7				2870.0 10.21 29302.7			
Summer Base Points: 38228.9				Summer As-Built Points: 42958.2			
Total Summer X System = Cooling Points Multiplier Points				Total X Cap X Duct X System X Credit = Cooling Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)			
38228.9 0.3250 12424.4				(sys 1: Central Unit 42500btuh ,SEER/EFF(14.0) Ducts:Unc(S),Con(R),Int(AH),R6.0(INS) 42958 0.65 (1.08 x 1.147 x 0.86) 0.244 0.950 6962.1 (sys 2: Central Unit 22600btuh ,SEER/EFF(14.0) Ducts:Unc(S),Con(R),Int(AH),R6.0(INS) 42958 0.35 (1.08 x 1.147 x 0.86) 0.244 0.950 3702.2 42958.2 1.00 1.072 0.244 0.950 10664.3			

(sys 1: Central Unit 42500btuh ,SEER/EFF(14.0) Ducts:Unc(S),Con(R),Int(AH),R6.0(INS)

42958 0.65 (1.08 x 1.147 x 0.86) 0.244 0.950 6962.1

(sys 2: Central Unit 22600btuh ,SEER/EFF(14.0) Ducts:Unc(S),Con(R),Int(AH),R6.0(INS)

42958 0.35 (1.08 x 1.147 x 0.86) 0.244 0.950 3702.2

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

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

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	2870.0	20.17	10420.0	1.Single, Clear	W	1.0	6.0	16.0	28.84	1.01	465.0
				2.Single, Clear	W	1.0	4.0	12.0	28.84	1.02	354.0
				3.Single, Clear	W	1.0	4.0	12.0	28.84	1.02	354.0
				4.Single, Clear	W	1.0	7.0	30.0	28.84	1.00	869.0
				5.Single, Clear	W	1.0	14.0	16.0	28.84	1.00	461.0
				6.Single, Clear	W	1.0	15.0	10.0	28.84	1.00	288.0
				7.Single, Clear	E	1.0	16.0	40.0	26.41	1.00	1060.0
				8.Single, Clear	E	1.0	15.0	30.0	26.41	1.00	795.0
				9.Single, Clear	E	1.0	13.0	9.0	26.41	1.00	238.0
				10.Single, Clear	E	1.0	6.0	16.0	26.41	1.02	429.0
				11.Single, Clear	E	1.0	6.0	16.0	26.41	1.02	429.0
				12.Single, Clear	E	1.0	6.0	30.0	26.41	1.02	804.0
				13.Single, Clear	N	1.0	14.0	30.0	33.22	1.00	996.0
				14.Single, Clear	E	1.0	8.0	40.0	26.41	1.01	1065.0
				15.Single, Clear	E	1.0	8.0	20.0	26.41	1.01	532.0
				As-Built Total:		327.0			9139.0		
WALL TYPES				Area X BWPM = Points		Type	R-Value	Area X WPM = Points			
Adjacent	0.0	0.00	0.0	1. Concrete, Int Insul, Exterior		4.2	1216.0	6.34		7709.4	
Exterior	2208.0	3.70	8169.6	2. Frame, Wood, Exterior		11.0	992.0	3.70		3670.4	
Base Total:		2208.0	8169.6	As-Built Total:		2208.0		11379.8			
DOOR TYPES				Area X BWPM = Points		Type	Area X WPM = Points				
Adjacent	0.0	0.00	0.0	1.Exterior Insulated		20.0		8.40		168.0	
Exterior	20.0	12.30	246.0								
Base Total:		20.0	246.0	As-Built Total:		20.0		168.0			
CEILING TYPES				Area X BWPM = Points		Type	R-Value	Area X WPM X WCM = Points			
Under Attic	1723.0	2.05	3532.1	1. Under Attic		19.0	1820.0	2.70 X 1.00		4914.0	
Base Total:		1723.0	3532.1	As-Built Total:		1820.0		4914.0			
FLOOR TYPES				Area X BWPM = Points		Type	R-Value	Area X WPM = Points			
Slab	195.0(p)	8.9	1735.5	1. Slab-On-Grade Edge Insulation		0.0	195.0(p)	18.80		3666.0	
Raised	80.0	0.96	76.8	2. Raised Wood, Post or Pier		11.0	80.0	1.55		124.0	
Base Total:		1812.3		As-Built Total:		275.0		3790.0			

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

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

PERMIT #:

BASE			AS-BUILT			
INFILTRATION Area X BWPM = Points			Area X WPM = Points			
2870.0	-0.59	-1693.3	2870.0	-0.59	-1693.3	
Winter Base Points: 22486.8			Winter As-Built Points: 27697.5			
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 42500 btuh ,EFF(8.0) Ducts:Unc(S),Con(R),Int(AH),R6.0 27697.5 0.653 (1.060 x 1.169 x 0.88)0.426 0.950 8016.1 (sys 2: Electric Heat Pump 22600 btuh ,EFF(8.0) Ducts:Unc(S),Con(R),Int(AH),R6.0 27697.5 0.347 (1.060 x 1.169 x 0.88)0.426 0.950 4262.7			
22486.8	0.5540	12457.7	27697.5	1.00	1.095	0.426 0.950 12278.8

Residential Whole Building Performance Method A - Details

PERMIT #:

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	
12424		12458		10540		35422	

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

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

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.8

The higher the score, the more efficient the home.

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

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 42.5 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 14.00
4. Number of Bedrooms	4	___	b. Central Unit	Cap: 22.6 kBtu/hr
5. Is this a worst case?	Yes	___		SEER: 14.00
6. Conditioned floor area (ft ²)	2870 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)	327.0 ft ²	a. Electric Heat Pump	Cap: 42.5 kBtu/hr
b. SHGC:				HSPF: 8.00
(or Clear or Tint DEFAULT)	7b. (Clear)	327.0 ft ²	b. Electric Heat Pump	Cap: 22.6 kBtu/hr
8. Floor types				HSPF: 8.00
a. Slab-On-Grade Edge Insulation	R=0.0, 195.0(p) ft	___	c. N/A	
b. Raised Wood, Post or Pier	R=11.0, 80.0ft ²	___		
c. N/A		___	14. Hot water systems	
9. Wall types			a. Electric Resistance	Cap: 50.0 gallons
a. Concrete, Int Insul, Exterior	R=4.2, 1216.0 ft ²	___		EF: 0.90
b. Frame, Wood, Exterior	R=11.0, 992.0 ft ²	___	b. N/A	
c. N/A		___		
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, 1820.0 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, 50.0 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: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____



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

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



Project Summary

Entire House

MARONDA HOMES

Job:
Date:
By: G. CARMACK

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

Project Information

For: THREE CAR GARAGE SALES OFFICE
GARAGE CONVERSION,

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	11457 Btuh
Ducts	2131 Btuh
Central vent (0 cfm)	0 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	13588 Btuh

Sensible Cooling Equipment Load Sizing

Structure	15045 Btuh
Ducts	2619 Btuh
Central vent (0 cfm)	0 Btuh
Blower	0 Btuh

Use manufacturer's data	n
Rate/swing multiplier	0.97
Equipment sensible load	17134 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft ²)	600	600
Volume (ft ³)	4800	4800
Air changes/hour	0.61	0.32
Equiv. AVF (cfm)	49	26

Latent Cooling Equipment Load Sizing

Structure	2900 Btuh
Ducts	571 Btuh
Central vent (0 cfm)	0 Btuh
Equipment latent load	3471 Btuh

Equipment total load	20605 Btuh
Req. total capacity at 0.75 SHR	1.9 ton

Heating Equipment Summary

Make TEMPSTAR
Trade HEAT PUMP
Model N4H324AKA

Efficiency	8.3 HSPF
Heating input	
Heating output	0 Btuh @ 47°F
Temperature rise	0 °F
Actual air flow	595 cfm
Air flow factor	0.044 cfm/Btuh
Static pressure	0.60 in H2O
Space thermostat	

Cooling Equipment Summary

Make TEMPSTAR
Trade HEAT PUMP
Cond N4H324AKA
Coil FSM4X2400

Efficiency	14 SEER
Sensible cooling	16950 Btuh
Latent cooling	5650 Btuh
Total cooling	22600 Btuh
Actual air flow	595 cfm
Air flow factor	0.034 cfm/Btuh
Static pressure	0.60 in H2O
Load sensible heat ratio	0.84

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

Project Information

For: **THREE CAR GARAGE SALES OFFICE**
GARAGE CONVERSION.

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

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

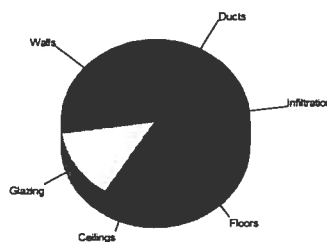
Infiltration:

Method
Construction quality
Fireplaces

Simplified
Average
0

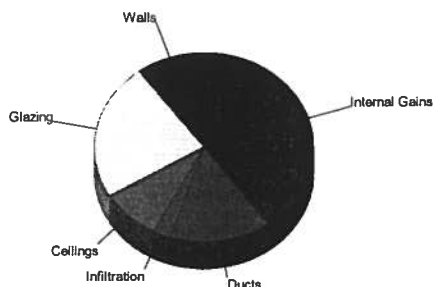
Heating

Component	Btuh/ft ²	Btuh	% of load
Walls	4.6	3700	27.2
Glazing	47.0	1880	13.8
Doors	0.0	0	0.0
Ceilings	1.8	1088	8.0
Floors	4.7	2814	20.7
Infiltration	2.4	1975	14.5
Ducts		2131	15.7
Piping		0	0.0
Humidification		0	0.0
Ventilation		0	0.0
Adjustments		0	
Total		13588	100.0



Cooling

Component	Btuh/ft ²	Btuh	% of load
Walls	2.2	1795	10.2
Glazing	103.2	4126	23.4
Doors	0.0	0	0.0
Ceilings	2.6	1548	8.8
Floors	0.0	0	0.0
Infiltration	0.6	476	2.7
Ducts		2619	14.8
Ventilation		0	0.0
Internal gains		7100	40.2
Blower		0	0.0
Adjustments		0	
Total		17664	100.0



Overall U-value = 0.126 Btuh/ft²-°F

Data entries checked.



Project Summary

Entire House

MARONDA HOMES

Job: SUNBURY
Date:
By: G. CARMACK

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

Project Information

For: SUNBURY

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

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

Summer Design Conditions

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

Heating Summary

Structure	39178 Btuh
Ducts	4273 Btuh
Central vent (100 cfm)	4048 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	47499 Btuh

Sensible Cooling Equipment Load Sizing

Structure	20800 Btuh
Ducts	9255 Btuh
Central vent (100 cfm)	1860 Btuh
Blower	0 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft ²)	2223	2223
Volume (ft ³)	17517	17517
Air changes/hour	0.32	0.16
Equiv. AVF (cfm)	93	47

Latent Cooling Equipment Load Sizing

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

Equipment total load	39459 Btuh
Req. total capacity at 0.76 SHR	3.4 ton

Heating Equipment Summary

Make TEMPSTAR
Trade HEAT PUMP
Model N4H342AKA

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	

Cooling Equipment Summary

Make	TEMPSTAR
Trade	HEAT PUMP
Cond	N4H342AKA
Coil	FEM4X4800
Efficiency	14 SEER
Sensible cooling	32300 Btuh
Latent cooling	10200 Btuh
Total cooling	42500 Btuh
Actual air flow	1240 cfm
Air flow factor	0.041 cfm/Btuh
Static pressure	0.60 in H2O
Load sensible heat ratio	0.79

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Project Information

For: SUNBURY

Design Conditions

Location:

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

Outdoor:

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

Heating

33
-
-
15.0

Cooling

92
19 (M)
77
7.5

Indoor:

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

Heating

70
37
30
10.6

Cooling

75
17
50
52.0

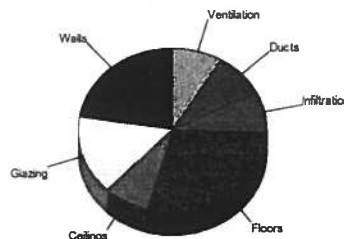
Infiltration:

Method
Construction quality
Fireplaces

Simplified
Average
0

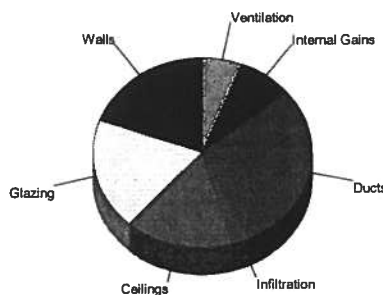
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	4.1	10723	22.6
Glazing	47.0	7283	15.3
Doors	0.0	0	0.0
Ceilings	1.3	3724	7.8
Floors	28.1	13667	28.8
Infiltration	1.4	3782	8.0
Ducts		4273	9.0
Piping		0	0.0
Humidification		0	0.0
Ventilation		4048	8.5
Adjustments		0	0.0
Total		47499	100.0



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	2.4	6218	19.5
Glazing	38.9	6036	18.9
Doors	0.0	0	0.0
Ceilings	1.8	5097	16.0
Floors	0.0	0	0.0
Infiltration	0.3	869	2.7
Ducts		9255	29.0
Ventilation		1860	5.8
Internal gains		2580	8.1
Blower		0	0.0
Adjustments		0	0.0
Total		31915	100.0



Overall U-value = 0.160 Btuh/ft²-°F

Data entries checked.

Duct System Summary

Entire House

MARONDA HOMES

Job: SUNBURY
Date:
By: G. CARMACK

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

Project Information

For: SUNBURY

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

Supply Branch Detail Table

Name	Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	Rect Size (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
KITCHEN	h 423 5	150	150	1.935	6	x0	VIFx	25.0	0.0	st1
FAMILY ROOM	h 424 1	140	140	1.935	6	x0	VIFx	25.0	0.0	ST2
DINING ROOM	h 399 1	150	150	1.935	6	x0	VIFx	25.0	0.0	st1
LIVING ROOM	c 332 9	140	140	9.677	6	x0	VIFx	5.0	0.0	ST3
UTILITY ROOM	h 829	25	25	9.677	4	x0	VIFx	5.0	0.0	ST3
BATHROOM	c 143 2	25	25	9.677	4	x0	VIFx	5.0	0.0	ST3
MASTER BEDROOM	c 330 3	140	140	3.226	6	x0	VIFx	15.0	0.0	ST2
MASTER BATHROOM	c 251 6	100	100	3.226	5	x0	VIFx	15.0	0.0	st5
HALL BATHROOM	c 110 9	25	25	4.839	4	x0	VIFx	10.0	0.0	ST2
TOILET	c 102 3	25	25	3.226	4	x0	VIFx	15.0	0.0	st5
BEDROOM #3	h 451 1	110	110	4.839	5	x0	VIFx	10.0	0.0	st1
BEDROOM #2	c 242 2	100	100	4.839	5	x0	VIFx	10.0	0.0	ST4
BEDROOM #4	c 268 1	110	110	4.839	5	x0	VIFx	10.0	0.0	st1

Supply Trunk Detail Table

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

Bold/italic values have been manually overridden

Return Branch Detail Table

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

PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A SWINGING	Dist+Pro Inc.	Distinction Series-3100	
B SLIDING	Florida Extruders	ACE 7 Hn. design loads for Bldg. + other	FL 6729.5
C SECTIONAL/ROLL UP	Wayne Dalton Corp.	mile store 1000 sliding glass door	45.1
D OTHER		8000/8100 #28	FL 22.5
2. WINDOWS			
A SINGLE/DOUBLE HUNG	Florida Extruders	mile store 1000 SH	FL 42.1
B HORIZONTAL SLIDER			
C CASEMENT			
D FIXED	H.B. Windows	301 Fin Frame Fixed	1291.2
E MULLION	H.B. Mullions	Aluminum Clipped mullion	5782.1
F SKYLIGHTS			
G OTHER	David Window Co.	341 Flange Frame Fixed	2349.1
	David Window Co.	340 Series	275.1
3. PANEL WALL			
A SIDING	Owens Corning	Easy Street D4.5 Dutch Lap	FL 920.3
B SOFFITS	Alisco Metal Corp.	Quad 4 Aluminum Soffit	FL 4459.1
C STOREFRONTS			
D GLASS BLOCK			
E OTHER			
4. ROOFING PRODUCTS			
A ASPHALT SHINGLES	Owens Corning	3-TAB "Classic" Asphalt Shingles	31603.2
B NON-STRUCT METAL			
C ROOFING TILES			
D SINGLE PLY ROOF			
E OTHER			
5. STRUCT COMPONENTS			
A WOOD CONNECTORS			
B WOOD ANCHORS	United Steel Products	HTA116-HTA18 Heavy to wood connections	FL 859.5
C TRUSS PLATES			
D INSULATION FORMS			
E LINTELS	FAST-Crete Corp	Lintels-Pre-Cast Headers	FL 158.1
F OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS			
A			

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

Jessica Abreu
APPLICANT SIGNATURE

3/27/07
DATE

Project Name: _____

PERMIT FOR FLORIDA

Permit # _____

Project Address: _____

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and product approval number(s) for the building components listed below as applicable to the building construction project for the permit number listed above. You should contact your product supplier if you do not know the product approval number for any of the applicable listed products. Information regarding statewide product approval may be obtained at: www.floridabuilding.org. REVISED 2-23-2007

Category/Subcategory	Manufacturer	Product Description	Limitation of Use	State #	Design Pressure
A. EXTERIOR DOORS					
1. Swinging	Plaspro Inc.	Fiberglass Doors	Evaluated for use in locations adhering to the Florida Building Code and where pressure requirements as determined by ACSE 7 Minimum Design Loads for Building and Other Structures.	FL 6729.1 FL 6729.5	+50 / -50 +50 / -50
2. Sliding	Simonton / Norandex Florida Extruders	Sliding Glass Doors	500 72X80 SOD-R45 Milestone 1000 SOD	FL 5979.1 FL 45.1	+50 / -50 +45 / -45
3. Sectional					
4. Roll up	Wayne Dalton	Garage Doors 130 8000 & 8100 16" 8" Garage Doors 140 8000 & 8100 16" 8"	As indicated in evaluation report and installation drawings. Not to be used in HVHZ.	FL 22.4 FL 22.2 FL 4965.47 FL 22.5	+27.0 / -29.0 +29.3 / -29.3 +34.4 / -38.3 +37.0 / -37.0
B. WINDOWS					
1. Single hung	H-R Windows Danvid Window Co Florida Extruders	300 Fin Single Hung 341 Flange Frame S.H. Milestone 1000 S.H.	40-17 72x74 H-R45	FL5089.1 FL 2752.1 FL 42.1	+45 / -45 +55 / -55 +45 / -45
2. Horizontal slider					
3. Casement					
4. Double hung					
5. Fixed	H-R Windows Danvid Window Co Florida Extruders	301 Fin Frame Fixed 341 Flange Frame Fixed Milestone 1000 Fixed	437-438 111 x 63 F-C60 J/16 Tempered Glass Flange & Fin	FL 1291.2 FL 2349.1 FL 44.1	+55 / -55 +70 / -70 +45 / -45
6. Awning					

Category/Subcategory	Manufacturer	Product Description	Limitation of Use	State #	Design Pressure
7. Pass-through					
8. Projected					
9. Mullion	H-R Windows Florida Extruders	Mullions Milestone Tube Mull Fin Or Flange	Evaluated for use in locations adhering to the Florida Building Code and where pressure requirements as determined by ACSE 7 Minimum Design Loads for Building and Other Structures.	FL 5782 FL 3136-R2	+45 / -45
10. Wind breaker					
11. Dual action					
12. Other					
C. PANEL WALL					
1. Siding	Owens Corning	Norandex - Summit Masor Dbl 4.5 Dutch Lap Reynolds - Easy Street Dbl 4.5 Dutch Lap	This Evaluation is not for use within the FBC HVHZ or on Educational Facilities within the State of Florida. Vinyl siding is limited to Type V construction, as defined below. Section 602.5 - TYPE V CONSTRUCTION Type V construction is that type of construction in which the structural elements, exterior walls and interior walls are of any material permitted by this code. Compliance is valid only if the subject profile trade name is current on the VSI Vinyl Siding Certification Program.	FL 920.3 FL 920.7	+NA / -152 +NA / -152
2. Soffit	Alisco Metal Corp	16" Vented Soffit Quad 4 Aluminum Soffit	For use as soffit only. Not for use in HVHZ. Installations shall meet the minimum ventilation requirements of FBC Section 1203.2 and AAMA 1402-86, Section 3.1.1.4.	FL 4459.1	46.71 PSF

Category/Subcategory	Manufacturer	Product Description	Limitation of Use	State #	Design Pressure
D. ROOFING PRODUCTS					
1. Asphalt shingles	Owens Corning	Asphalt Shingle Ridge Vents	This Approval not for use in the HVHZ. All FBC sections that apply to counties except Broward and Miami-Dade Must be followed.	FL 3663 FL 234	
2. Underlayments					
3. Roofing fasteners					
4. Nonstructural metal roof					
5. Built-up roofing					
6. Modified bitumen					
7. Single ply roofing					
8. Roofing tiles					
9. Roofing insulation					
10. Waterproofing					
11. Wood shingles/shakes					
12. Roofing slate					
13. Liquid applied roofing					
14. Cement-adhesive roofs					
15. Roof tile adhesive					
16. Spray applied polyurethane roof					
17. Roof vents	Owens Corning Stamco Inc. Lumaco	Galvanized metal roof vents.	This Approval not for use in the HVHZ. All FBC sections that apply to counties except Broward and Miami-Dade Must be followed.	FL 5289.1 FL 8103.1 FL 3792.5	

Category/Subcategory	Manufacturer	Product Description	Limitation of Use	State #	Design Pressure
E. SHUTTERS					
1. Storm Panels	Airium Shutters, Inc. K&D Manufacturing All American Shutters, Inc.	SL Panel Galv. Stl Storm	This product may only be installed on concrete, hollow concrete block or wood substructure. This product is NOT suitable for installation in the High Velocity Hurricane Zone.	FL 5547.1 FL 2773.1 FL 393.1	50 PSF +47/-50
F. STRUCTURAL COMPONENTS					
1. Wood connectors/anchors	United Steel Products	Anchors, Hangers Etc. Structural Components Wood Connectors	Subject to limitation and installation instructions specified in NOA 05-0105.05.	FL- R1, 565, 569, 572, 576, 815, 816, 817, 818, 819, 820, 821, 822, 859, 1247, 1777, 2033, 2620, 3923, 4928, 5631, 6223	
2. Truss plates	Mitch Industries Inc.	Truss Connectors	No Limitation of Use.	FL 2197 R1	
3. Engineered lumber					
4. Railing					
5. Coolers-freezers					
6. Concrete admixtures					
7. Material					
8. Insulation forms					
9. Plastics					
10. Deck-roof					
11. Wall					
12. Sheds					

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	SUNBURY L 3
1TM02501	25-1	SW MULBERRY DR	ORA-1TM	SUNL3 RIGHT	VAULTED

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. Dwg's: 68
Layout	6-12-06	✓	J3A	6-6-06	✓	Roof Loads-
VT	7-27-05		JGRD1	6-6-06		TC Live: 16.0 psf
HIP	11-2-06		JGRD5	6-6-06		TC Dead: 7.0 psf
H1	6-6-06		JGRD6	6-6-06		BC Live: 10.0 psf
H2A	6-6-06		JS1	6-6-06		BC Dead: 10.0 psf
H3A	6-6-06		JS2	6-6-06		Total 43.0 psf
H6	6-6-06		JS3	6-6-06		DurFac- Lbr: 1.25
H7	6-6-06		JSGRD	6-6-06		DurFac- Plt: 1.25
H8	6-6-06		MHGRD	6-6-06		O.C. Spacing: 24.0"
H9	6-6-06		P1	6-6-06		
HGRD1A	6-6-06		P2	6-6-06		Floor Loads-
HGRD3	6-6-06		P3	6-6-06		TC Live: 40.0 psf
HS1	9-14-06		PJGRD	6-6-06		TC Dead: 10.0 psf
HS2	9-14-06		PMH1	6-6-06		BC Live: 0.0 psf
HS3	6-6-06		PMH2	6-6-06		BC Dead: 5.0 psf
HS4	6-6-06		PMHGRD1	6-6-06		Total 55.0 psf
HSGRD	6-6-06		RG1	9-14-06		DurFac- Lbr: 1.00
J	6-6-06		RG3	6-6-06		DurFac- Plt: 1.00
J1	6-6-06		T1	6-6-06		O.C. Spacing: 24.0"
J12	6-6-06		T5A	6-6-06		
J12A	6-6-06		V20	6-6-06		
J13	6-6-06		V26	6-6-06		
J13A	6-6-06		V27	6-6-06		
J14	6-6-06		V28	6-6-06		
J14A	6-6-06		V29	6-6-06		
J15	6-6-06		V30	6-6-06		
J15A	6-6-06		V6	6-6-06		
J16	6-6-06		V7	6-6-06		
J17	6-6-06					
J1A	6-6-06		Floor Layout	5-11-07		
J2	6-6-06		FA	5-11-07		
J2A	6-6-06		FB	5-11-07		
J3	6-6-06		FC	5-11-07		
			FD	5-11-07		
			18330	THD28		
			18360	SKH26R		
			18361	SKH26L		
			18362	SUH26		
			18370	THJ26	4	
			FLOOR SEAT PLATES1	40		
			SEAT PLATES	70		



DATE: SEP 27 2007

COLUMBIA COUNTY OKLAHOMA

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-16-02856-125

Building permit No. 000026545

Use Classification SFD/UTILITY

Fire: 44.94

Permit Holder THEODORE BROCK

Waste: 117.25

Owner of Building MARONDA HOMES INC. OF FL

Total: 162.19

Location: 152 SW MULBERRY DR., LAKE CITY, FL

Date: 03/27/2008

Wayne H. Lee

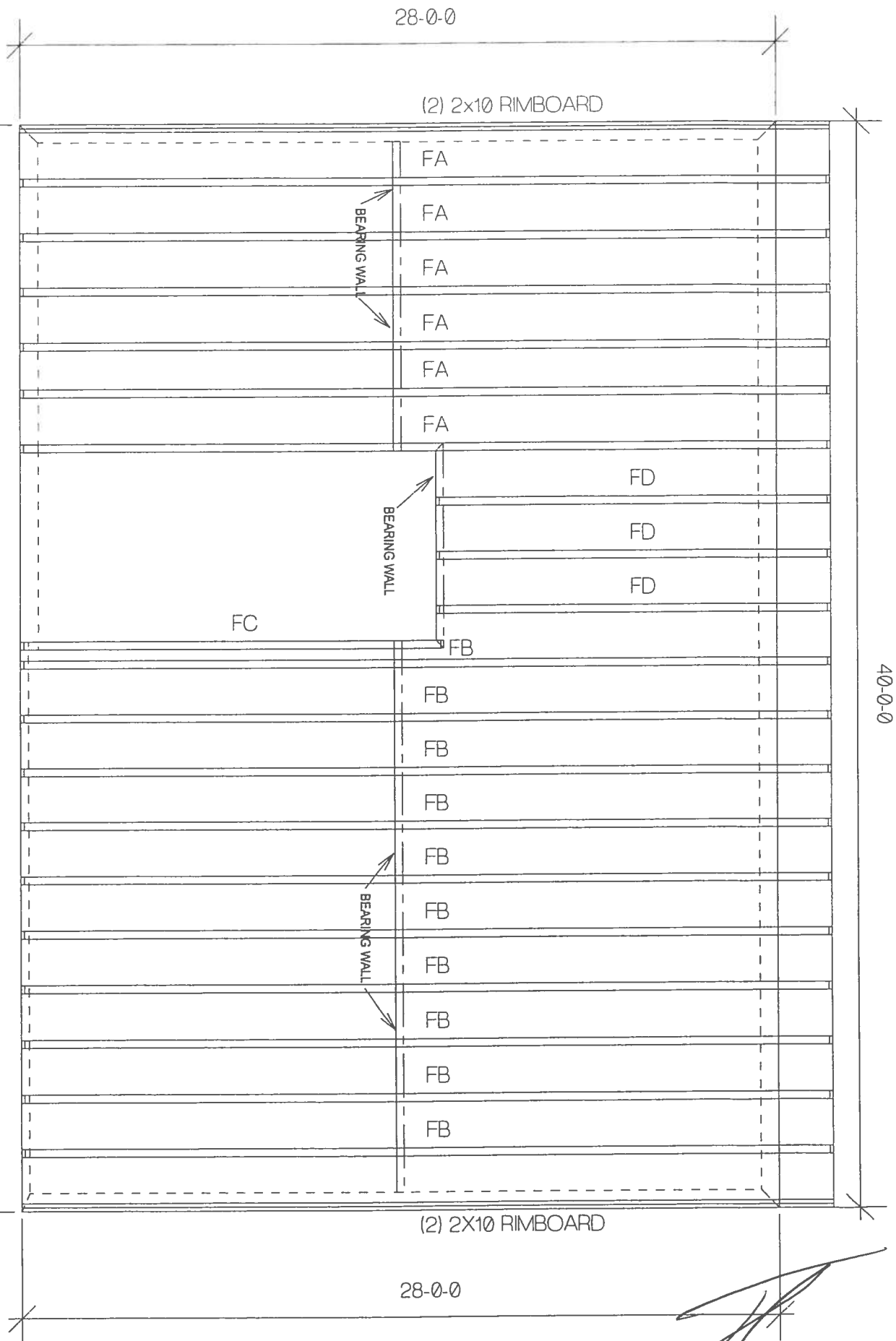
Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Maronda Systems

JOB NUMBER: SUNF	DRAWN BY: 	DATE: 5-11-07
CUSTOMER:	PITCH:	OH:
JOB NAME: SUNBURY FLOOR	BEARING: 8" & 3.5"	LOAD: 55#

40'-0"-0



SEP 27 2007

WARNING! BCSI-B1 SUMMARY SHEET - GUIDE FOR HANDLING

GENERAL NOTES

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

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

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

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

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

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

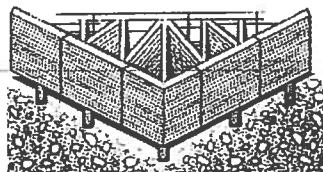
HANDLING — MANEJO

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



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

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



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

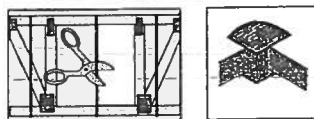
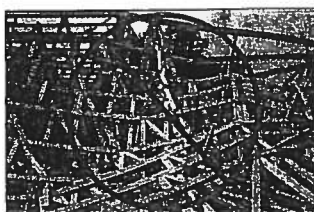
Para trusses guardados por más de una semana, cubra los paquetes para prevenir aumento de humedad pero permita ventilación.

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

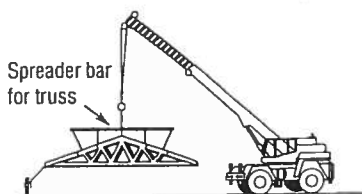
Los trusses no están marcados de ningún modo que identifique la frecuencia o localización de restricción lateral y arriostre diagonal temporales. Use las recomendaciones de manejo, instalación, restricción y arriostre temporal de los trusses. Vea el folleto BCSI Guía de Buena Práctica para el Manejo,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

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/Arriostre Permanente de Cuerdas y Miembros Secundarios para más información. El resto de los diseños de arriostres permanentes son la responsabilidad del Diseñador del Edificio.



Warning! Use special care in windy weather or near power lines and airports.

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



Warning! Use proper rigging and hoisting equipment.

Use equipo apropiado para levantar e improvisar.



Warning! Do not store unbraced bundles upright.

No almacene verticalmente los trusses sueltos.



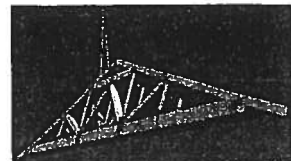
Warning! Do not store on uneven ground.

No almacene en tierra desigual.



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

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



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

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

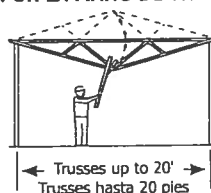
Warning! Place truss bundles in stable position.
Puse paquetes de trusses en una posición estable.

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.

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

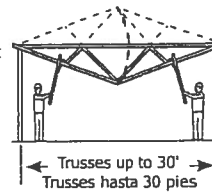
Warning! Trusses 20' or less, support at peak.

Levante del pico los trusses de 20 pies o menos.



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

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



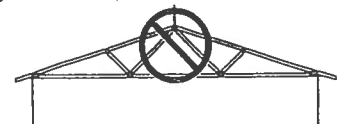
HOISTING OF SINGLE TRUSSES — LEVANTAMIENTO DE TRUSSES INDIVIDUALES

Warning! 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.

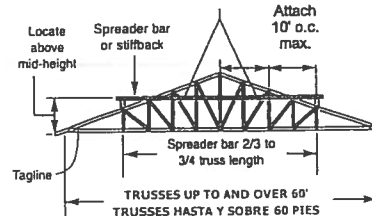
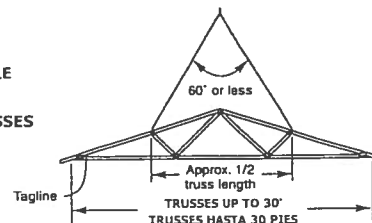
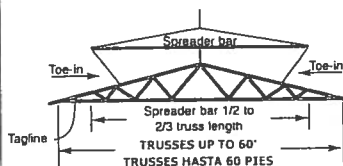
Warning! Using a single pick-point at the peak can damage the truss.

¡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



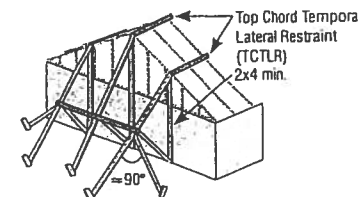
TEMPORARY RESTRAINT & BRACING RESTRICCIÓN Y ARRIOSTRE TEMPORAL

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

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

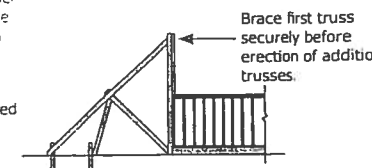
Warning! Locate ground braces for first truss directly in line with all rows of top chord temporary lateral restraint (see table in the next column).

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



Warning! Do not walk on unbraced trusses.

No camine en trusses sueltos.



LING, INSTALLING, RESTRAINING AND BRACING OF TRUSSES (2006 EDITION)

TEPS 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 atache 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 estabilizar 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.

ESTRAINT/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' Hasta 30 pies	10' o.c. max. 10 pies máximo
30' to 45' 30 a 45 pies	8' o.c. max. 8 pies máximo
45' to 60' 45 a 60 pies	6' o.c. max. 6 pies máximo
60' to 80' 60 a 80 pies*	4' o.c. max. 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 amazón 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
Some chord and web members not shown for clarity.

BOTTOM CHORD — CUERDA INFERIOR

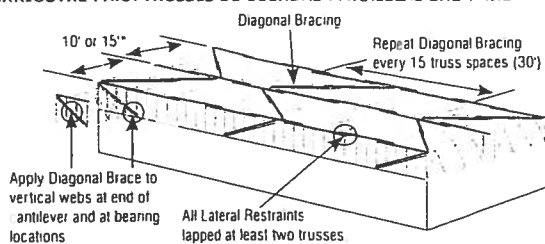
Lateral Restraints - 2x4x12' or greater lapped over two trusses.
Bottom chords
Diagonal Braces every 10 truss spaces (20' max.)
Some chord and web members not shown for clarity.

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

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

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

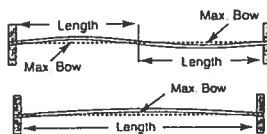
Vea el resumen BCSI-B7 - Restricción y Arriostre Temporal y Permanente de Trusses de Cuerdas Paralelas para más información.



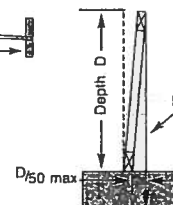
*Top chord Temporary Lateral Restraint spacing shall be 10' o.c. max for 3x2 chord & 15' o.c. for 4x2 chords

INSTALLING — INSTALACION

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



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



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

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

CONSTRUCTION LOADING — CARGA DE 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.

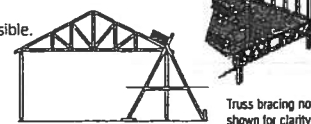
- Do not exceed maximum stack heights. Refer to BCSI-B4 Summary Sheet - Construction Loading for more information.

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



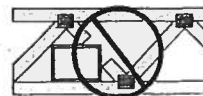
- Do not overload small groups or single trusses.
No sobrecargue pequeños grupos o trusses individuales.
- Never stack materials near a peak.
Nunca amontone material cerca del pico.
- Place loads over as many trusses as possible.
Coloque las cargas sobre tantos trusses como sea posible.
- Position loads 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 only as a GUIDE for use by a qualified Building Designer or Contractor. It is not intended that these recommendations be interpreted as superior to the Building Designer's design specification for handling, installing, restraining and bracing trusses and it does not preclude the use of other equivalent methods for restraining/bracing and providing stability for the walls, columns, floors, roofs and all the interrelated structural building components as determined by the Contractor. Thus, WTC and TPI expressly disclaim any responsibility for damages arising from the use, application, or reliance on the recommendations and information contained herein.

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