

3.5

DASHWOOD



# Certificate of Product Ratings

AHRI Certified Reference Number: 3862741

Date: 4/20/2010

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

Outdoor Unit Model Number: N4H342A(G)KE\*

Indoor Unit Model Number: FXM4X42\*\*A\*

Manufacturer: TEMPSTAR

Trade/Brand name: 13 SEER N SERIES R410A HP

Manufacturer responsible for the rating of this system combination is TEMPSTAR

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

Cooling Capacity (Btuh):	41000
EER Rating (Cooling):	11.50
SEER Rating (Cooling):	14.00
Heating Capacity(Btuh) @ 47 F:	40000
Region IV HSPF Rating (Heating):	8.00
Heating Capacity(Btuh) @ 17 F:	23800

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

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



LOT 36 TIMBERLAHRS

438 SW MULBERRY DR  
 LAKE CITY FL 32024

## DISCLAIMER

AHRI does not endorse the product(s) listed on this Certificate and makes no representations, warranties or guarantees as to, and assumes no responsibility for, the product(s) listed on this Certificate. AHRI expressly disclaims all liability for damages of any kind arising out of the use or performance of the product(s), or the unauthorized alteration of data listed on this Certificate. Certified ratings are valid only for models and configurations listed in the directory at [www.ahridirectory.org](http://www.ahridirectory.org).

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Air-Conditioning,  
 Heating, and  
 Refrigeration Institute



# Certificate of Product Ratings

AHRI Certified Reference Number: 3718049

Date: 4/20/2010

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

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

Indoor Unit Model Number: FXM4X30\*\*A\*

Manufacturer: TEMPSTAR

Trade/Brand name: 13 SEER N SERIES R410A HP

Manufacturer responsible for the rating of this system combination is TEMPSTAR

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

Cooling Capacity (Btuh):	30000
EER Rating (Cooling):	11.50
SEER Rating (Cooling):	14.00*
Heating Capacity(Btuh) @ 47 F:	29200
Region IV HSPF Rating (Heating):	7.80
Heating Capacity(Btuh) @ 17 F:	18300

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

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## CERTIFICATE VERIFICATION

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Air-Conditioning,  
Heating, and  
Refrigeration Institute



**FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION**

Florida Department of Community Affairs Residential Performance Method A

Project Name: DASHWOOD A,M- JACKSONVILLE  
 Street:  
 City, State, Zip: , FL ,  
 Owner: MARONDA HOMES  
 Design Location: FL, Jacksonville / Lake City

Builder Name: MARONDA HOMES  
 Permit Office: *Columbia County*  
 Permit Number: *29741*  
 Jurisdiction: *221000*

1. New construction or existing	New (From Plans)
2. Single family or multiple family	Single-family
3. Number of units, if multiple family	1
4. Number of Bedrooms	4
5. Is this a worst case?	Yes
6. Conditioned floor area (ft <sup>2</sup> )	3377
7. Windows(336.0 sqft.)	Description Area
a. U-Factor:	Dbl, U=0.60 336.00 ft <sup>2</sup>
SHGC:	SHGC=0.32
b. U-Factor:	N/A ft <sup>2</sup>
SHGC:	
c. U-Factor:	N/A ft <sup>2</sup>
SHGC:	
d. U-Factor:	N/A ft <sup>2</sup>
SHGC:	
e. U-Factor:	N/A ft <sup>2</sup>
SHGC:	
8. Floor Types (1920.0 sqft.)	Insulation Area
a. Slab-On-Grade Edge Insulation	R=0.0 1515.00 ft <sup>2</sup>
b. Floor over Garage	R=19.0 405.00 ft <sup>2</sup>
c. N/A	R= ft <sup>2</sup>

9. Wall Types(2974.0 sqft.)	Insulation Area
a. Frame - Wood, Exterior	R=13.0 1408.00 ft <sup>2</sup>
b. Concrete Block - Int Insul, Exterior	R=4.1 1224.00 ft <sup>2</sup>
c. Frame - Wood, Adjacent	R=13.0 342.00 ft <sup>2</sup>
d. N/A	R= ft <sup>2</sup>
10. Ceiling Types (1920.0 sqft.)	Insulation Area
a. Under Attic (Vented)	R=30.0 1920.00 ft <sup>2</sup>
b. N/A	R= ft <sup>2</sup>
c. N/A	R= ft <sup>2</sup>
11. Ducts (combined)	
a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6, 465 ft <sup>2</sup>	
12. Cooling systems (combined)	
a. Central Unit	Cap: 71.0 kBtu/hr SEER: 14
13. Heating systems (combined)	
a. Electric Heat Pump	Cap: 71.0 kBtu/hr HSPF: 7.92
14. Hot water systems	
a. Electric	Cap: 50 gallons EF: 0.9
b. Conservation features	
None	
15. Credits	Pstat

Glass/Floor Area: 0.099

Total As-Built Modified Loads: 46.34

Total Baseline Loads: 67.26

**PASS**

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

PREPARED BY: *Kenneth Wayne Campbell Jr.*DATE: *9/22/11**KENNETH WAYNE CAMPBELL JR.*

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

OWNER/AGENT: *Kenneth Wayne Campbell Jr.*DATE: *9/22/11*

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



BUILDING OFFICIAL: \_\_\_\_\_

DATE: \_\_\_\_\_

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

## PROJECT

Title: DASHWOOD A,M- JACKSON	Bedrooms: 4	Address Type: Street Address
Building Type: FLAsBuilt	Conditioned Area: 3377	Lot #
Owner: MARONDA HOMES	Total Stories: 2	Block/SubDivision:
# of Units: 1	Worst Case: Yes	PlatBook:
Builder Name: MARONDA HOMES	Rotate Angle: 225	Street:
Permit Office:	Cross Ventilation: No	County: DUVAL
Jurisdiction:	Whole House Fan: No	City, State, Zip: , FL ,
Family Type: Single-family		
New/Existing: New (From Plans)		
Comment:		

## CLIMATE

✓	Design Location	TMY Site	IECC Zone	Design Temp 97.5 %	Design Temp 2.5 %	Int Design Temp Winter	Int Design Temp Summer	Heating Degree Days	Design Moisture	Daily Temp Range
_____	FL, Jacksonville	FL_JACKSONVILLE_INT	2	32	93	75	70	1281	49	Medium

## FLOORS

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

## ROOF

✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
_____	1	Hip	Composition shingles	2147 ft²	0 ft²	Medium	0.96	No	0	26.6 deg

## ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	150	1920 ft²	N	N

## CEILING

✓	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	30	1920 ft²	0.11	Wood

## WALLS

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

## WALLS

✓	#	Omt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
	8	W=>SE	Exterior	Frame - Wood	13	384 ft²	0	0.23	0.6
	9	N=>SW	Garage	Frame - Wood	13	342 ft²		0.23	0.01

## DOORS

✓	#	Omt	Door Type	Storms	U-Value	Area
	1	N=>SW	Insulated	None	0.4	20 ft²
	2	N=>SW	Insulated	None	0.4	18 ft²

## WINDOWS

Orientation shown is the entered orientation (=>) changed to Worst Case.

✓	#	Omt	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Overhang		Int Shade	Screening
										Depth	Separation		
	1	S=>NE	Metal	Low-E Double	Yes	0.6	0.32	N	10 ft²	1 ft 0 in	10 ft 0 in	HERS 2006	None
	2	S=>NE	Metal	Low-E Double	Yes	0.6	0.32	N	20 ft²	1 ft 0 in	1 ft 0 in	HERS 2006	None
	3	N=>SW	Metal	Low-E Double	Yes	0.6	0.32	N	15 ft²	8 ft 0 in	1 ft 0 in	HERS 2006	None
	4	S=>NE	Metal	Low-E Double	Yes	0.6	0.32	N	48 ft²	1 ft 0 in	10 ft 0 in	HERS 2006	None
	5	S=>NE	Metal	Low-E Double	Yes	0.6	0.32	N	20 ft²	1 ft 0 in	1 ft 0 in	HERS 2006	None
	6	E=>NW	Metal	Low-E Double	Yes	0.6	0.32	N	16 ft²	1 ft 0 in	10 ft 0 in	HERS 2006	None
	7	W=>SE	Metal	Low-E Double	Yes	0.6	0.32	N	16 ft²	1 ft 0 in	1 ft 0 in	HERS 2006	None
	8	N=>SW	Metal	Low-E Double	Yes	0.6	0.32	N	15 ft²	1 ft 0 in	1 ft 0 in	HERS 2006	None
	9	W=>SE	Metal	Low-E Double	Yes	0.6	0.32	N	10 ft²	1 ft 0 in	10 ft 96 in	HERS 2006	None
	10	E=>NW	Metal	Low-E Double	Yes	0.6	0.32	N	16 ft²	1 ft 0 in	1 ft 0 in	HERS 2006	None
	11	N=>SW	Metal	Low-E Double	Yes	0.6	0.32	N	15 ft²	1 ft 0 in	1 ft 0 in	HERS 2006	None
	12	N=>SW	Metal	Low-E Double	Yes	0.6	0.32	N	15 ft²	1 ft 0 in	3 ft 0 in	HERS 2006	None
	13	N=>SW	Metal	Low-E Double	Yes	0.6	0.32	N	15 ft²	1 ft 0 in	1 ft 0 in	HERS 2006	None
	14	N=>SW	Metal	Low-E Double	Yes	0.6	0.32	N	15 ft²	1 ft 0 in	1 ft 0 in	HERS 2006	None
	15	N=>SW	Metal	Low-E Double	Yes	0.6	0.32	N	15 ft²	1 ft 0 in	1 ft 0 in	HERS 2006	None
	16	N=>SW	Metal	Low-E Double	Yes	0.6	0.32	N	15 ft²	8 ft 0 in	1 ft 0 in	HERS 2006	None
	17	S=>NE	Metal	Low-E Double	Yes	0.6	0.32	N	20 ft²	1 ft 0 in	1 ft 0 in	HERS 2006	None
	18	S=>NE	Metal	Low-E Double	Yes	0.6	0.32	N	20 ft²	1 ft 0 in	1 ft 0 in	HERS 2006	None
	19	S=>NE	Metal	Low-E Double	Yes	0.6	0.32	N	20 ft²	1 ft 0 in	10 ft 0 in	HERS 2006	None

## INFILTRATION & VENTING

✓	Method	SLA	CFM 50	ACH 50	ELA	EqLA	— Forced Ventilation —		Run Time	Fan
							Supply CFM	Exhaust CFM	Fraction	Watts
	Default	0.00036	3189	6.30	175.1	329.2	0 cfm	0 cfm	0	0



## GARAGE

✓	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
	1	405 ft²	0 ft²	38 ft	9 ft	0

## COOLING SYSTEM

✓	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ducts
	1	Central Unit	None	SEER: 14	30 kBtu/hr	cfm	0.78	sys#1
	2	Central Unit	None	SEER: 14	41 kBtu/hr	1230 cfm	0.76	sys#0

## HEATING SYSTEM

✓	#	System Type	Subtype	Efficiency	Capacity	Ducts
	1	Electric Heat Pump	None	HSPF: 7.8	30 kBtu/hr	sys#1
	2	Electric Heat Pump	None	HSPF: 8	41 kBtu/hr	sys#0

## HOT WATER SYSTEM

✓	#	System Type	EF	Cap	Use	SetPnt	Conservation
	1	Electric	0.9	50 gal	70 gal	120 deg	None

## SOLAR HOT WATER SYSTEM

✓	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
	None	None			ft²		

## DUCTS

✓	#	--- Supply --- Location	R-Value	Area	--- Return --- Location	Area	Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
	1	Attic	6	465 ft²	Interior	20 ft²	Default Leakage	Interior	(Default)	(Default) %		
	2	Interior	6	400 ft²	Interior	168.85	Default Leakage	Interior	(Default)	(Default) %		

## TEMPERATURES

Programable Thermostat: Y			Ceiling Fans:											
Cooling	<input checked="" type="checkbox"/> Jan	<input checked="" type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input checked="" type="checkbox"/> Apr	<input checked="" type="checkbox"/> May	<input checked="" type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input checked="" type="checkbox"/> Dec		
Heating	<input checked="" type="checkbox"/> Jan	<input checked="" type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input checked="" type="checkbox"/> Apr	<input checked="" type="checkbox"/> May	<input checked="" type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input checked="" type="checkbox"/> Dec		
Venting	<input checked="" type="checkbox"/> Jan	<input checked="" type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input checked="" type="checkbox"/> Apr	<input checked="" type="checkbox"/> May	<input checked="" type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input checked="" type="checkbox"/> Dec		

Thermostat Schedule: HERS 2006 Reference		Hours											
Schedule Type		1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	80	80	80	80
	PM	80	80	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66
Heating (WEH)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66

# Code Compliance Checklist

## Residential Whole Building Performance Method A - Details

ADDRESS:

, FL,

438 SW Mulberry Dr  
Lake City FL 32024

PERMIT #:

### INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	N1106.AB.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	/
Exterior & Adjacent Walls	N1106.AB.1.2	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	/
Floors	N1106.AB.1.2	Penetrations/openings > 1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	/
Ceilings	N1106.AB.1.2	Between walls & ceilings; penetrations of ceiling plane to top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	/
Recessed Lighting Fixtures	N1106.AB.1.2	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC with < 2.0 cfm from conditioned space, tested.	/
Multi-story Houses	N1106.AB.1.2	Air barrier on perimeter of floor cavity between floors.	/
Additional Infiltration reqts	N1106.AB.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	/

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	N1112.AB.3	Comply with efficiency requirements in Table N1112.ABC.3 Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	/
Swimming Pools & Spas	N1112.AB.2.3	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%. Heat pump pool heaters shall have a minimum COP of 4.0.	USA
Shower heads	N1112.AB.2.4	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	/
Air Distribution Systems	N1110.AB	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of Section N1110.AB. Ducts in unconditioned attics: R-6 min. insulation.	/
HVAC Controls	N1107.AB.2	Separate readily accessible manual or automatic thermostat for each system.	/
Insulation	N1104.AB.1 N1102.B.1.1	Ceilings-Min. R-19. Common walls-frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	/



# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX\* = 69

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

, , FL,

1. New construction or existing	New (From Plans)	9. Wall Types	Insulation	Area
2. Single family or multiple family	Single-family	a. Frame - Wood, Exterior	R=13.0	1408.00 ft <sup>2</sup>
3. Number of units, if multiple family	1	b. Concrete Block - Int Insul, Exterior	R=4.1	1224.00 ft <sup>2</sup>
4. Number of Bedrooms	4	c. Frame - Wood, Adjacent	R=13.0	342.00 ft <sup>2</sup>
5. Is this a worst case?	Yes	d. N/A	R=	ft <sup>2</sup>
6. Conditioned floor area (ft <sup>2</sup> )	3377	10. Ceiling Types	Insulation	Area
7. Windows**	Description	a. Under Attic (Vented)	R=30.0	1920.00 ft <sup>2</sup>
a. U-Factor:	DbI, U=0.60	b. N/A	R=	ft <sup>2</sup>
SHGC:	SHGC=0.32	c. N/A	R=	ft <sup>2</sup>
b. U-Factor:	N/A	11. Ducts (combined)		
SHGC:		a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6,	465 ft <sup>2</sup>	
c. U-Factor:	N/A	12. Cooling systems (combined)		
SHGC:		a. Central Unit	Cap: 71.0 kBtu/hr	SEER: 14
d. U-Factor:	N/A	13. Heating systems (combined)		
SHGC:		a. Electric Heat Pump	Cap: 71.0 kBtu/hr	HSPF: 7.92
e. U-Factor:	N/A	14. Hot water systems		
SHGC:		a. Electric	Cap: 50 gallons	EF: 0.9
8. Floor Types	Insulation	b. Conservation features		
a. Slab-On-Grade Edge Insulation	R=0.0	None		
b. Floor over Garage	R=19.0	15. Credits		Pstat
c. N/A	R=			

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) this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: KENNETH WAYNE CAMPBELL JR.

Date: 9/27/14

Address of New Home: 438 SW MULBERRY DR City/FL Zip: LAKE CITY FL, 32024



\*Note: The home's estimated Energy Performance Index is only available through the EnergyGauge USA - FlaRes2008 computer program. This is not a Building Energy Rating. If your Index is below 100, your home may qualify for incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at (321) 638-1492 or see the Energy Gauge web site at [energygauge.com](http://energygauge.com) for information and a list of certified Raters. For information about Florida's Energy Efficiency Code for Building Construction, contact the Department of Community Affairs at (850) 487-1824.

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

LOT 36 TIMBERLANDS EnergyGauge® USA - FlaRes2008



**Project Summary**  
**Entire House**  
**Maronda Homes**

Job: DASHWOOD 1ST FLOOR  
Date: Aug 11, 2010  
By: G. Carmack

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

## Project Information

For: DASHWOOD 1ST FLOOR

Notes:

## Design Information

Weather: Jacksonville Intl AP, FL, US

### Winter Design Conditions

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

### Summer Design Conditions

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

### Heating Summary

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

### Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft <sup>2</sup> )	1515	1515
Volume (ft <sup>3</sup> )	12120	12120
Air changes/hour	0.38	0.20
Equiv. AVF (cfm)	77	40

### Heating Equipment Summary

Make TEMPSTAR  
Trade HEAT PUMP  
Model N4H330GKE  
AHRI ref no.

Efficiency	7.8 HSPF
Heating input	
Heating output	0 Btuh @ 47°F
Temperature rise	0 °F
Actual air flow	955 cfm
Air flow factor	0.035 cfm/Btuh
Static pressure	0.60 in H2O
Space thermostat	

### Sensible Cooling Equipment Load Sizing

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

### Latent Cooling Equipment Load Sizing

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

### Cooling Equipment Summary

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

*Bold/italic values have been manually overridden*

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



wrightsoft

Right-Suite® Universal 8.0.09 RSU06033

...gcarmack\My Documents\2009 JACKSONVILLE\DASHWOOD 1ST FLOOR.rup Calc = MJ8 Front Door faces:

2011-Sep-12 10:50:13

Page 1

## Project Information

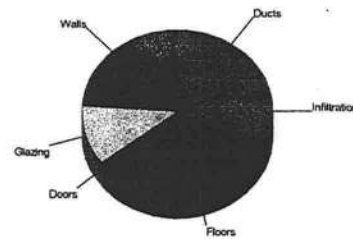
For: DASHWOOD 1ST FLOOR

## Design Conditions

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

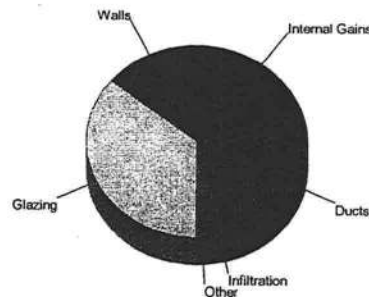
## Heating

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



## Cooling

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



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

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



## Project Information

For: DASHWOOD 2ND FLOOR

Notes:

## Design Information

Weather: Jacksonville Intl AP, FL, US

### Winter Design Conditions

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

### Summer Design Conditions

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

### Heating Summary

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

### Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	1862	1862
Volume (ft³)	14896	14896
Air changes/hour	0.38	0.20
Equiv. AVF (cfm)	94	50

### Heating Equipment Summary

Make TEMPSTAR  
Trade HEAT PUMP  
Model N4H342GKE  
AHRI ref no.

Efficiency	8 HSPF
Heating input	
Heating output	0 Btuh @ 47°F
Temperature rise	0 °F
Actual air flow	1316 cfm
Air flow factor	0.046 cfm/Btuh
Static pressure	0.60 in H2O
Space thermostat	

### Sensible Cooling Equipment Load Sizing

Structure	23295 Btuh
Ducts	9173 Btuh
Central vent (0 cfm)	0 Btuh
Blower	0 Btuh

Use manufacturer's data	n
Rate/swing multiplier	0.98
Equipment sensible load	31689 Btuh

### Latent Cooling Equipment Load Sizing

Structure	2931 Btuh
Ducts	2066 Btuh
Central vent (0 cfm)	0 Btuh
Equipment latent load	4996 Btuh

Equipment total load	36685 Btuh
Req. total capacity at 0.76 SHR	3.5 ton

### Cooling Equipment Summary

Make TEMPSTAR  
Trade HEAT PUMP  
Cond N4H342GKE  
Coil FXM4X4200  
AHRI ref no.

Efficiency	12.0 EER, 14 SEER
Sensible cooling	31160 Btuh
Latent cooling	9840 Btuh
Total cooling	41000 Btuh
Actual air flow	1316 cfm
Air flow factor	0.041 cfm/Btuh
Static pressure	0.60 in H2O
Load sensible heat ratio	0.87

*Bold/italic values have been manually overridden*

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

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

## Project Information

For: DASHWOOD 2ND FLOOR

## Design Conditions

### Location:

Jacksonville Intl AP, FL, US  
Elevation: 30 ft  
Latitude: 31°N

### Outdoor:

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

### Heating

32

-

-

15.0

### Cooling

93

18 ( M )

77

7.5

### Indoor:

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

### Heating

70

38

30

11.5

### Cooling

75

18

50

51.3

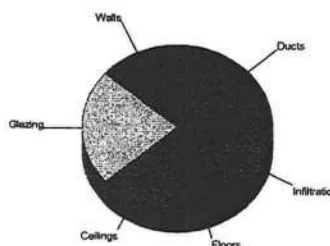
### Infiltration:

Method  
Construction quality  
Fireplaces

Simplified  
Average  
0

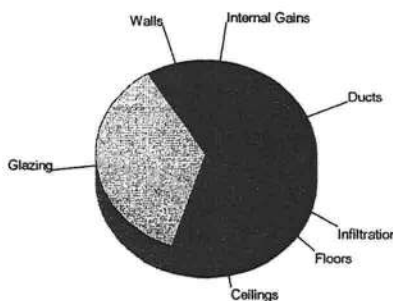
## Heating

Component	Btuh/ft²	Btuh	% of load
Walls	3.7	3937	13.8
Glazing	48.3	6467	22.7
Doors	0	0	0
Ceilings	1.9	3467	12.2
Floors	2.0	3092	10.9
Infiltration	3.3	3939	13.9
Ducts		7531	26.5
Piping		0	0
Humidification		0	0
Ventilation		0	0
Adjustments		0	0
<b>Total</b>		<b>28433</b>	<b>100.0</b>



## Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	2.7	2880	8.9
Glazing	87.6	11743	36.2
Doors	0	0	0
Ceilings	2.6	4899	15.1
Floors	0.9	1432	4.4
Infiltration	0.8	960	3.0
Ducts		9173	28.3
Ventilation		0	0
Internal gains		1380	4.3
Blower		0	0
Adjustments		0	0
<b>Total</b>		<b>32468</b>	<b>100.0</b>



Latent Cooling Load = 4996 Btuh  
Overall U-value = 0.103 Btuh/ft²-°F

Data entries checked.

**Duct System Summary**  
**Entire House**  
**Maronda Homes**

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

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

**Project Information**

For: DASHWOOD 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	0.46 / 0.14 in H2O	0.46 / 0.14 in H2O
Lowest friction rate	<b>0.100</b> in/100ft	<b>0.100</b> in/100ft
Actual air flow	955 cfm	<b>955</b> cfm
Total effective length (TEL)	26 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 3643	120	120	0.100	6	x0	VIFx	15.0	0.0	st1
NOOK	c 4213	120	120	0.100	6	x0	VIFx	10.0	0.0	st1
DINING	h 4207	170	170	0.100	7	x0	VIFx	10.0	0.0	st1
FAMILY ROOM-A	c 4176	170	170	0.100	7	x0	VIFx	5.0	0.0	ST2
FAMILY ROOM	c 4176	170	170	0.100	7	x0	VIFx	10.0	0.0	ST2
POWDER ROOM	h 1540	10	10	0.100	4	x0	VIFx	5.0	0.0	ST2
LAUNDRY	h 687	25	25	0.100	4	x0	VIFx	10.0	0.0	ST2
LIVING	h 3436	170	170	0.100	7	x0	VIFx	20.0	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	580	580	0.100	518	14	14 x 12	RectFbg	
ST2	Peak AVF	375	375	0.100	573	11	14 x 8	RectFbg	

**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	955	955	6.0	2.308	684	16	x0 0		VIFx	

*Bold/italic values have been manually overridden*



# Duct System Summary

## Entire House

### Maronda Homes

Job: DASHWOOD 2ND FLOOR  
 Date:  
 By: G. Carmack

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

## Project Information

For: DASHWOOD 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	<b>0.100</b> in/100ft	<b>0.100</b> in/100ft
Actual air flow	1316 cfm	<b>1316</b> 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 4351	200	200	0.100	7	x00	VIFx	10.0	0.0	st1
BDR #2	h 3254	200	200	0.100	7	x00	VIFx	10.0	0.0	st1
SITTING ROOM	c 3980	200	200	0.100	7	x00	VIFx	10.0	0.0	st2
MASTER BDR	c 3980	200	200	0.100	7	x00	VIFx	10.0	0.0	st2
BDR #4	c 7192	250	250	0.100	8	x00	VIFx	10.0	0.0	st3
HALL BATH	c 207	41	41	0.100	4	x00	VIFx	10.0	0.0	st3
BDR #4 BATH	c 207	50	50	0.100	4	x00	VIFx	10.0	0.0	st3
MASTER TOILET	h 1790	50	50	0.100	4	x00	VIFx	15.0	0.0	st3
MASTER BATH	h 4183	125	125	0.100	6	x00	VIFx	15.0	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	400	400	0.100	522	10	0 x 0	VinIFlx	
st2	Peak AVF	525	525	0.100	687	12	0 x 0	VinIFlx	
st3	Peak AVF	391	391	0.100	528	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	1316	1316	6.0	2.857	603	18	x0 0		VIFx	

pg 1 of 5

MRR-08-2011(TUE), 7:04

P 001/001

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER \_\_\_\_\_ CONTRACTOR \_\_\_\_\_ PHONE \_\_\_\_\_  
THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is **REQUIRED** that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name: DEL-AIR Joseph	Signature: [Signature]	Phone #: 407-333-2865
License #: EC13003715	Strada J		
MECHANICAL/	Print Name: ALL ELEMENTS	Signature: [Signature]	
A/C # 82	License #: CAC058534	K. Haupt	Phone #: 866-970-4279
PLUMBING/	Print Name: STEEL HEAD PLUMBING	Signature: [Signature]	
GAS 398	License #: CFC1427439	Jeff Sabaka	Phone #: 904-838-2218
ROOFING	Print Name: MacJohnson/SueShok	Signature: [Signature]	
187	License #: RC0061384	Sue Shok	Phone #: 852-472-4943
SHEET METAL	Print Name: N/A	Signature:	Phone #:
FIRE SYSTEM/	Print Name: N/A	Signature:	Phone #:
SPRINKLER	License #: N/A		
SOLAR	Print Name: N/A	Signature:	Phone #:

Trade/Trade License	License Number	Sub-Contractor Print Name	Sub-Contractor Signature
MASON	863	Fort King Street Mason	SSA C
CONCRETE FINISHER		Other Sheet	
FRAMING	8260	CRCIS/951 PT and T LLC	YMOA
INSULATION		Other Sheet	
STUCCO		Other Sheet	
DRYWALL	860	Star Drywall, Inc	[Signature]
PLASTER	N/A	RELIANT Siding & S	
CABINET INSTALLER		Other Sheet	
PAINTING		Other Sheet	
ACOUSTICAL CEILING	N/A		
GLASS	N/A		
CERAMIC TILE	857	Blackton Flooring Inc	[Signature]
FLOOR COVERING	858	Blackton Flooring Inc	[Signature]
ALUM/VINYL SIDING	N/A		
GARAGE DOOR		Other Sheet	
METAL BLDG ERECTOR	N/A		

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

Contractor Form Submittal Form 10/01/07

ok  
ok  
ok  
ok  
ok

~~Stephen Curry etc~~  
~~Toor, Larry D. - All updates~~  
~~Exemption updates~~

~~Michael Blackton~~



pg 3 of 5

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER \_\_\_\_\_ CONTRACTOR \_\_\_\_\_ PHONE \_\_\_\_\_  
THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is **REQUIRED** that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name: DEL-AIR	Signature: <i>[Signature]</i>
	License #: BC18003715	Phone #: 407-333-7865
MECHANICAL/ A/C	Print Name: ALL ELEMENTS	Signature: <i>[Signature]</i>
	License #: CAC058534	Phone #: 866-978-4279
PLUMBING/ GAS	Print Name: STEEL HEAD PLUMBING	Signature: <i>[Signature]</i>
	License #: GFC1A27439	Phone #: 904-838-2218
ROOFING	Print Name: Mac Johnson/Sue Short	Signature: <i>[Signature]</i>
	License #: RC0061384	Phone #: 850-472-4943
SHEET METAL	Print Name: _____	Signature: _____
	License #: _____	Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name: _____	Signature: _____
	License #: _____	Phone #: _____
SOLAR	Print Name: _____	Signature: _____
	License #: _____	Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON	863	Fort King Street Mason	<i>[Signature]</i>
CONCRETE FINISHER			
FRAMING	CRC1326951	FT and T LLC	<i>[Signature]</i>
INSULATION	808	AMERICAN Residential Products	<i>[Signature]</i>
STUCCO	68E1355262		
DRYWALL	860	Star Drywall, Inc.	<i>[Signature]</i>
PLASTER	N/A		
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

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

Countdown to the Subcontractor License 8/10

Brent T. Gillette *[Signature]*

Maronda Homes Inc.  
 3800 Southpoint Pkwy  
 Suite 300  
 Jacksonville, FL 32216  
 (904) 296-1490 ph  
 (904) 332-6367 fax

Maronda Homes Inc., of Florida  
 SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER \_\_\_\_\_ CONTRACTOR Kenneth Wayne Campbell, Jr PHONE (1217) 904 - 296-1490  
 THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is **REQUIRED** that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name: <u>DEL-AIR</u>	Signature: <u>[Signature]</u>	Phone #: <u>407-333-2865</u>
	License #: <u>EC13003715</u>		
MECHANICAL/ A/C	Print Name: <u>ALL ELEMENTS</u>	Signature: <u>[Signature]</u>	Phone #: <u>866-978-4279</u>
	License #: <u>CAC058534</u>		
PLUMBING/ GAS	Print Name: <u>STEEL HEAD PLUMBING</u>	Signature: <u>[Signature]</u>	Phone #: <u>904-838-2218</u>
	License #: <u>CFC1427439</u>		
ROOFING	Print Name: <u>Mac Johnson/Sue Short</u>	Signature: <u>[Signature]</u>	Phone #: <u>352-472-4943</u>
	License #: <u>RC0061384</u>		
SHEET METAL	Print Name: _____	Signature: _____	Phone #: _____
	License #: _____		
FIRE SYSTEM/ SPRINKLER	Print Name: _____	Signature: _____	Phone #: _____
	License #: _____		
SOLAR	Print Name: _____	Signature: _____	Phone #: _____
	License #: _____		

Specialty License	License Number	Sub-Contractor Printed Name	Sub-Contractor Signature
MASON	<u>863</u>	<u>Fort King Street Mason</u>	<u>[Signature]</u>
CONCRETE FINISHER			
FRAMING	<u>CRC1326951</u>	<u>PT and T LLC</u>	<u>[Signature]</u>
INSULATION			
STUCCO			
DRYWALL			
PLASTER	<u>N/A</u>		
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE	<u>857</u>	<u>Blackton Flooring Inc</u>	<u>[Signature]</u>
FLOOR COVERING	<u>858</u>	<u>Blackton Flooring Inc</u>	<u>[Signature]</u>
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

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

Consolidated Form: Subcontractor Verification Form, 8/07

NOTE: See attached for remaining subcontractor list



Attention - Roberta

# COLUMBIA COUNTY OFFICE OF ZONING

## OCCUPANCY

COLUMBIA COUNTY, FLORIDA

### Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 10-4S-16-02856-136

Building permit No. 000029741

Use Classification SFD, UTILITY

Fire: 44.94

Permit Holder KENNETH WAYNE CAMPBELL JR

Waste: 117.25

Owner of Building MARONDA HOMES INC OF FLORIDA

Total: 162.19

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

Date: 03/01/2012

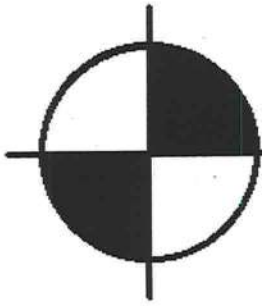
*Troy Lewis by Hand*

Building Inspector



POST IN A CONSPICUOUS PLACE  
(Business Places Only)

29741



**BRINKMAN SURVEYING & MAPPING, INC.**

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

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

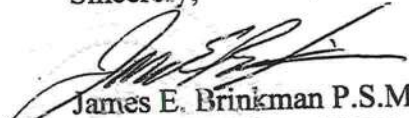
November 21, 2011

Columbia County Building Department  
Re: Permit # 000029741

To Whom It May Concern:

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

Sincerely,



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



# 29741

CLIENT	<u>Maronda Homes</u>	DATE	<u>11-22-11</u>
PROJECT NAME	<u>Timberlands Lot 36</u>	PROJECT NO.	_____
EARTH CONTRACTOR	_____	PERMIT NO.	_____
COMPACTION REQUIREMENT (%)	<u>95</u>	TESTED BY	<u>S.L.</u>
TOTAL ON-SITE TIME	_____	FIELD CONTACT	_____
<input type="checkbox"/> Limerock <input type="checkbox"/> Subgrade <input type="checkbox"/> Pipe Backfill <input checked="" type="checkbox"/> Building Pad <input type="checkbox"/> Building Footing <input type="checkbox"/> Other		MILES FROM OFFICE _____	

TEST LOCATION	LAB PROCTOR		TEST DEPTH	PROBE DEPTH	% MOIST.	WET DENSITY (PCF)	DRY DENSITY (PCF)	% COMP.
	DENS.	OMC						
	106.1	10.0	F/G	12"				
8' NE of SW Corner of PAD					5.5	110.5	104.7	98.7
Center of PA					5.2	109.5	104.1	98.1
8' SW of NE					5.3	109.9	104.4	98.4

**Notice of Preventative Treatments for Subterranean Termites**

This property will receive **BORA-CARE®**

Wood Protection Treatment prior to the frame inspection of the construction phase

**Lot 36 Timberland**

Location / address \_\_\_\_\_

Disodium Octaborate Tetrahydrate % **25%**

Termiticide a.i. to be used \_\_\_\_\_

**12/5/11**

Date of inspection \_\_\_\_\_

REMARKS \_\_\_\_\_

438 S W Mulberry Dr.



PEST DEFENSE®

**6694 Columbia Park Drive, Suite 3  
Jacksonville, FL 32258-2409  
904-730-2522**

8550

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

R. S. & L. 103. Building permit: Identification of minimum premium policy.—Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under the disaster as provided in R.S. 440:10 and 440:34, and that the employer applies for a building permit.



Rec'd 10/11/11

Maronda Homes Inc. of Florida  
SUBCONTRACTOR VERIFICATION FORM

Kenneth Wayne Campbell, Jr  
CONTRACTOR

PHONE

APPLICATION NUMBER



904 296-1490

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

In Columbia County one permit will cover all trades doing work at the permitted site. It is **REQUIRED** that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

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

Specialty License	License Number	Sub Contractor's Printed Name	Sub Contractor's Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL	1227	Ruiz Waldeman	
PLASTER			
CABINET INSTALLER	CBC1257581	Defiant Construction Inc.	D.J. KIKI
PAINTING		David Kimble	
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR	CBC158205	DeCourage Doors/Dallas Miller	
METAL BLDG ERECTOR			

Sign Here

10-24-11  
ok

10-13-11  
ok

10-11-11  
ok

ok

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

10/12/11

**Maronda Homes Inc., of Florida**  
SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER \_\_\_\_\_ **Kenneth Wayne Campbell, Jr** PHONE \_\_\_\_\_  
CONTRACTOR

904 296-1490

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Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

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

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
<b>PAINTING</b>	<b>859</b>	<b>✓ Fred Franklin ✓</b>	<b>ok</b>
ACOUSTICAL CEILING		<b>Sunrise painting &amp; more</b>	<b>ok</b>
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
<b>GARAGE DOOR</b>	<b>CBC1258205</b>	<b>D+D Garage Doors / Dallas Miller</b>	<b>ok</b>
METAL BLDG ERECTOR			

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

Contractor Form, Subcontractor form 6/09



10/11/11

**Laurie Hodson**

---

To: Melissa Boone  
Subject: RE: Re: Status 11-09-036

See below.....

Thanks,

*Laurie Hodson*

Laurie Hodson, Office Manager

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

Office: (386) 758-1007

Fax: (386) 758-2160

[laurie\\_hodson@columbiacountyfla.com](mailto:laurie_hodson@columbiacountyfla.com)



---

**From:** Melissa Boone [<mailto:mboone@maronda.com>]

**Sent:** Tuesday, October 11, 2011 3:50 PM

**To:** Laurie Hodson

**Cc:** mboone

**Subject:** Fwd: Re: Status 11-09-036

Hey Laurie:

Re: 11-09-036 (Timberlands Lot 36 permit application)

Question: Did you get a signed site plan from the Health Dept.? **Not yet.**

I called them and Sally said they would bring it over to you.

Please let me know if this has been done.

Remaining outstanding permit application items:

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

b. Attached please find . Subcontractor sheet for

1. Cabinet Installer Defiant Construction CB1257581 904 367-0036 **Need: Copy of License and both insurances to put David Kimble on file.**

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

3. Drywall Bee Hauling waiting on Competency # 904-637-0134 **Need only copy of State CBC1257687 license to complete file.** — not correct - He has applied, but won't be heard until the 24th of October.

The following subcontractors have acknowledged either they are in the process of getting the paperwork sent in...or you have rec'd it by now

1. Roofer : Mac Johnson Roofing RC0061384 352 -472-4943 ~~Not~~ renewed – Sue called today. *OK*

10-12-11

2. Framing FT and T LLC CRC1326951 321-228-1913 OK
3. Garage Door: D&D Garage Doors CBC1258205 941-371-7242 OK
4. Concrete: Te Lario Concrete 321-239-6046 ~~Not renewed - no calls yet.~~ 10/12/11 ok

The following subcontractor has signed the subcontractor sheet, however he waiting for his Competency #.

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

The following subcontractor has been notified to get registered and get his paperwork in order

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

Thank you

Melissa Boone

Maronda Homes Permit Coordinator

[mboone@maronda.com](mailto:mboone@maronda.com)

904 296-1490 ext 134

**Laurie Hodson**

**From:**  
**Sent:**  
**To:**  
**Subject:**

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

Hi Melissa,

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

On the Subcontractor Verification form, we need these items...  
Mac Johnson has not renewed his Columbia County license;  
Te-Lario Concrete has not renewed his Columbia County license;  
D & D Garage Doors has not renewed his Columbia County license;  
FT & T needs liability certificate updated;

No one is listed for these...

Plaster  
Cabinet Installer  
Painting

*Thanks,*

*Laurie Hodson*

Laurie Hodson, Office Manager  
Columbia County Building & Zoning Department  
135 NE Hernando Ave, Suite B-21,  
Lake City, FL 32055  
Office: (386) 758-1007  
Fax: (386) 758-2160  
[laurie\\_hodson@columbiacountyfla.com](mailto:laurie_hodson@columbiacountyfla.com)



**From:** Melissa Boone [<mailto:mboone@maronda.com>]  
**Sent:** Wednesday, October 05, 2011 8:30 AM  
**To:** Laurie Hodson  
**Cc:** mboone  
**Subject:** status check on Permit ref # 11-09-36

Hey Laurie:  
Ref: # 11-09-36

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

## Laurie Hodson

**From:** Laurie Hodson  
**Sent:** Wednesday, October 12, 2011 3:33 PM  
**To:** 'Melissa Boone'  
**Subject:** RE: Fred Franklin (Sunrise Painting and Waterproofing) subcontractor signature sheet

Hi Melissa,  
See Below...  
Thanks,

*Laurie Hodson*

Laurie Hodson, Office Manager  
Columbia County Building & Zoning Department  
135 NE Hernando Ave, Suite B-21,  
Lake City, FL 32055  
Office: (386) 758-1007  
Fax: (386) 758-2160  
[laurie\\_hodson@columbiacountyfla.com](mailto:laurie_hodson@columbiacountyfla.com)



*Star Drywall ok  
Is there Plaster? N/A  
(Sent an email on 10/13/11)*

**From:** Melissa Boone [<mailto:mboone@maronda.com>]  
**Sent:** Wednesday, October 12, 2011 1:42 PM  
**To:** Laurie Hodson  
**Cc:** mboone  
**Subject:** Fwd: Fred Frankline (Sunrise Painting and Waterproofing) subcontractor signature sheet

RE: 11-09-036 permit application

Hey Laurie

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

Update

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

Renewed- OK

Mac Johnson Roofing said.....they are all up do date with Columbia County as of today 10/12/11 Renewed- OK

As for the Signed Site Plan.....It will probably next week.. OK

That leaves the following:

Cabinet installer Defiant Construction Gen Liability & W/C plus copy of his license

Drywall Bee Hauling They are going to go before the board on the 24<sup>th</sup> We spoke to him today, this is correct. You will need to have Kenneth W. Campbell sign for the drywall or another drywall contractor until Bee Hauling is licensed.

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

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



**\$1129.46 with a culvert permit, it was not marked so I am not sure if you are putting in a culvert or there is an existing one there.**

It takes a while for us to get our permit checks.. They have to be ordered.  
Has it been calculated?

Need David Kimble's license, and both insurances for cabinet installer. ok 10/13/11 (<sup>cc</sup>#1220)

**This has to be complete before we can issue the permit.**

Please advise

Thanks

Melissa Boone

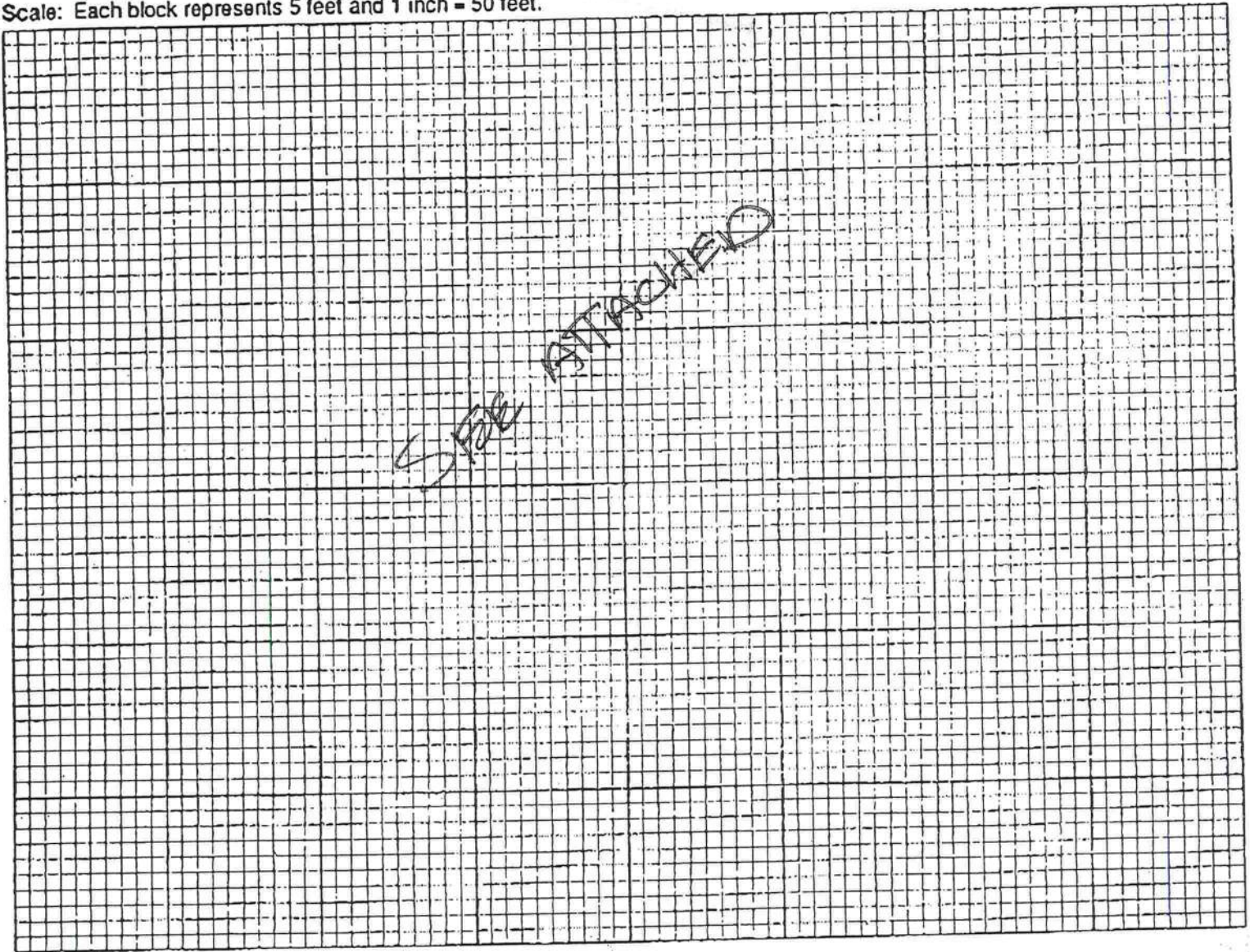
Maronda Homes

[mboone@maronda.com](mailto:mboone@maronda.com)



## PART II - SITE PLAN

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



Notes: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Site Plan submitted by: \_\_\_\_\_

Signature

Builder

Title

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

Plan Approved ☒

Not Approved \_\_\_\_\_

Date 10/20/11

By \_\_\_\_\_

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

## Laurie Hodson

---

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

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

Thanks  
Melissa Boone  
Maronda Homes Permit Coordinator  
[mboone@maronda.com](mailto:mboone@maronda.com)

----- Original Message -----

**From:** Laurie Hodson <[laurie\\_hodson@columbiacountyfla.com](mailto:laurie_hodson@columbiacountyfla.com)>  
**To:** 'Melissa Boone' <[mboone@maronda.com](mailto:mboone@maronda.com)>  
**Sent:** Thu, 13 Oct 2011 09:32:19 -0400 (EDT)  
**Subject:** Info.



Melissa,

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

Two questions...

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

Do you want to use this signature?

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

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

Thanks for your help,

*Laurie Hodson*

Laurie Hodson, Office Manager

Columbia County Building & Zoning Department

135 NE Hernando Ave, Suite B-21,

Lake City, FL 32055

Office: (386) 758-1007

Fax: (386) 758-2160

[laurie\\_hodson@columbiacountyfla.com](mailto:laurie_hodson@columbiacountyfla.com)



6. Modified Butimen	Fiberglass USA	2 layer torch down	The max design pressure for the selected for the selected assembly shall meet or exceed the zone 1 design pressure determined in Accordance with FBC chapter 16	FL 1654-R4	+N/A / -622.5
7. Single Ply Roof					
8. Roofing Tiles					
9. Roofing Insulation					
10. Waterproofing					
11. Wood Shingle/Shakes					
12. Roofing Slate					
13. Liquid Applied Roofing					
14. Cement Adhesive Coats					
15. Roof Tile Adhesive					
16. Spray applied Polyurethane Roof					
17. Roof Vents	Lamanco	Off Ridge Vent	This approval not for use in the HVAZ. All FBC sections that apply to counties except Broward and Miami-Dade must be followed	FL 3792-R3	N/A
<b>E. SHUTTERS</b>					
1. Storm Panels	ASI Building Products Atrium Companies Inc. Alufab Hurricane Shutters Inc.	.018 Galvanized Steel Storm Panels 24 GA Galv. Steel Panel 24 & 22 GA Steel Panel	This product may only be installed on concrete, hollow concrete block, or wood substrats. This product is NOT suitable for installation in the HVHZ or Basic Wind Speed > 140	FL 7989-R2 FL 12540.2 FL 4804	+70 / -70 N/A N/A
	KD Manufacturing	KD Storm Panel		FL 2773	N/A

<b>F. STRUCTURAL COMPONENTS</b>					
1. Wood Connectors/Anchors	United Steel Products	Anchors, Hangers, etc Structural Components Wood Connectors	Subject to limitation and installation instructions specified in NOA 05- 0105-05.	565-R3, 567- R3, 568-R2, 569-R3, 570- R2, 571-R2, 574-R2, 576- R3, 578-R2, 815-R1, 816- R1, 817-R1, 819-R1, 820- R2, 821-R1, 822-R1, 859- R4, 1247-R1, 2033-R2, 4928-R1, 5631-R1, 9835-R1, 10739, 11664, 11748, 11838, 11910	N/A
2. Truss Planes	Mitek Industries, Inc.	Truss Connectors	No Limitation of Use	FL 2197-R1	N/A
3. Engineered Lumber					
4. Railing					
5. Coolers-Freezers					
6. Concrete admixtures					
7. Material					
8. Insulation Forms					
9. Plastics					
10. Deck-Roof					
11. Wall					
12. Shed					
13. Other	Power Steel Inc.	PS box8 PS box8 (5-5/8)	Limits shall not exceed the affordable design load and spans. The lintels shall not be uses in a fire resistance rated assembly. A proper barrier is required when using corrosive lumber products in contact with the steel lintels. Not for use in HVHZ Miami or Broward counties at this time	FL 6264-R1	N/A

<b>G. Skylights</b>					
1. Skylights					
2. Other					
<b>H. New Exterior Envelope Products</b>					
1					

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

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

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

Company Name: Maronda Homes Inc of Florida

Mailing Address: 6800 South Point Pkwy Ste 300

City: Jacksonville State: Florida Zip Code: 32216

Telephone Number: (904) 296-1490 Fax Number: (904) 332-6375

Cell Phone Number: (904) 509-8011 E-Mail Address: campbellke@maronda.com

LOT 36 TIMBERLAHNS  
438 SW MULBERRY DR  
LAKE CITY FL 32024



# PRODUCT APPROVAL SPECIFICATION SHEET

**Location:** \_\_\_\_\_ **Project Name:** \_\_\_\_\_

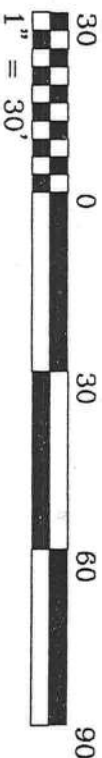
As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit on or after April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

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

SEE ATTACHED FORMS

# PROPOSED BUILDING LAYOUT

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



1) MARONDA HOMES

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

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 SURETOR 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 SURETOR.

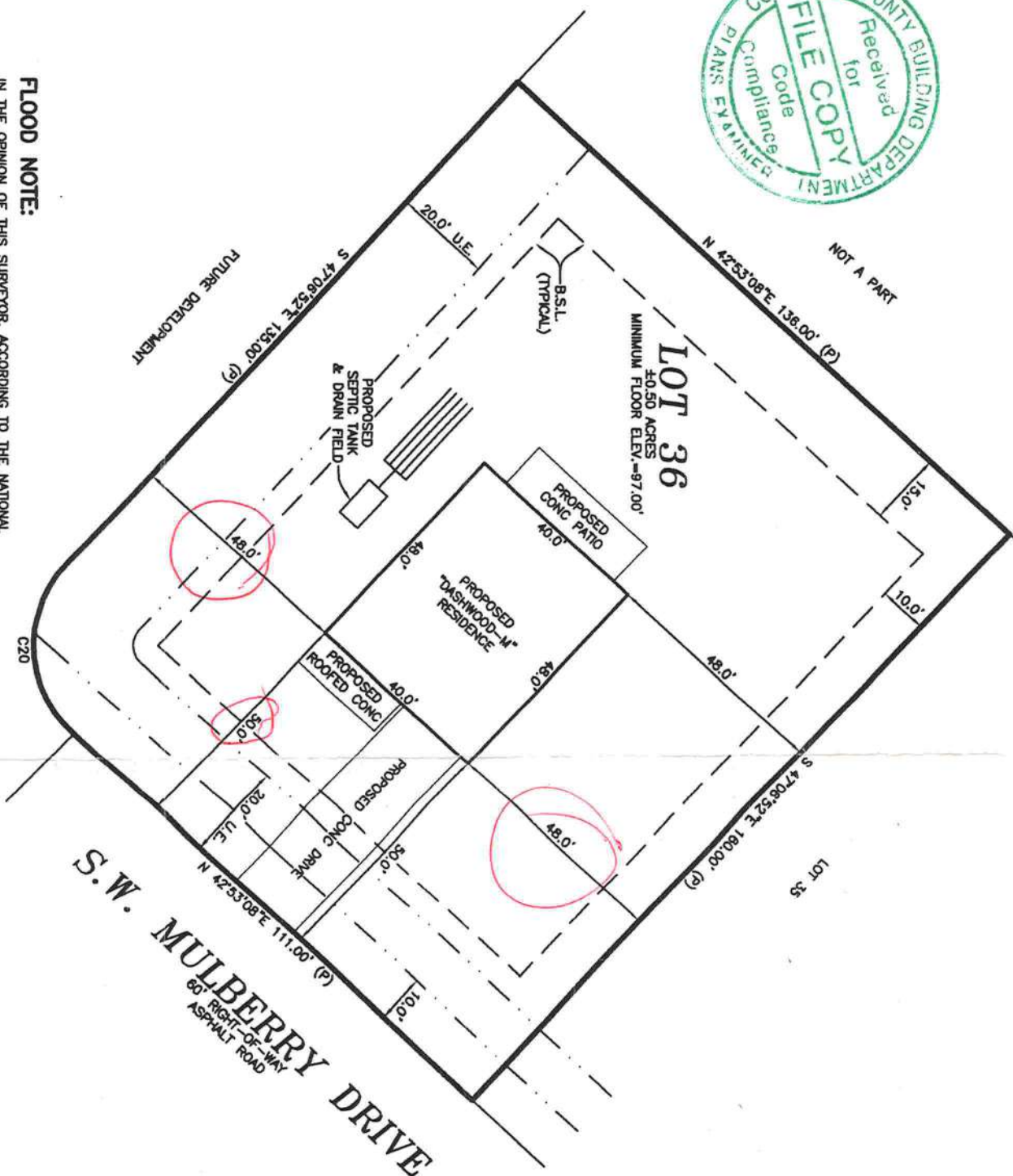
4) BUILDING SETBACK LINES DEPICTED HEREON ARE SHOWN AS PER THE RECORDED PLAT, BUT ARE SUBJECT TO CHANGE. PRIOR TO ANY NEW CONSTRUCTION, THE APPROPRIATE GOVERNING AUTHORITY SHOULD BE CONTACTED FOR THE CURRENT SETBACK REQUIREMENTS.

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

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

IN THE OPINION OF THIS SURVEYOR, ACCORDING TO THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 120070-0175-B, DATED 1-6-88, 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 MAP, 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.

THIS SURVEY IS SUBJECT TO ANY FACTS THAT MAY BE DISCLOSED BY A FULL AND ACCURATE TITLE SEARCH. THIS SURETOR 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.



### ABBREVIATIONS:

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

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

THIS IS NOT A BOUNDARY SURVEY  
CERTIFICATE OF SURVEYOR:

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

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

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

DATE:



**BRINKMAN SURVEYING & MAPPING INC.**

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

30' "THE BENCHMARK IN QUALITY SERVICE"

2017

DRAWN BY: B.G.  
CHECKED BY: J.B

COMPLETED ON \*\*\*\* FIELDBOOK \*\*, PAGE 42

DRAWING NUMBER  
LOT36TM-11



1) MARONDA HOMES

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

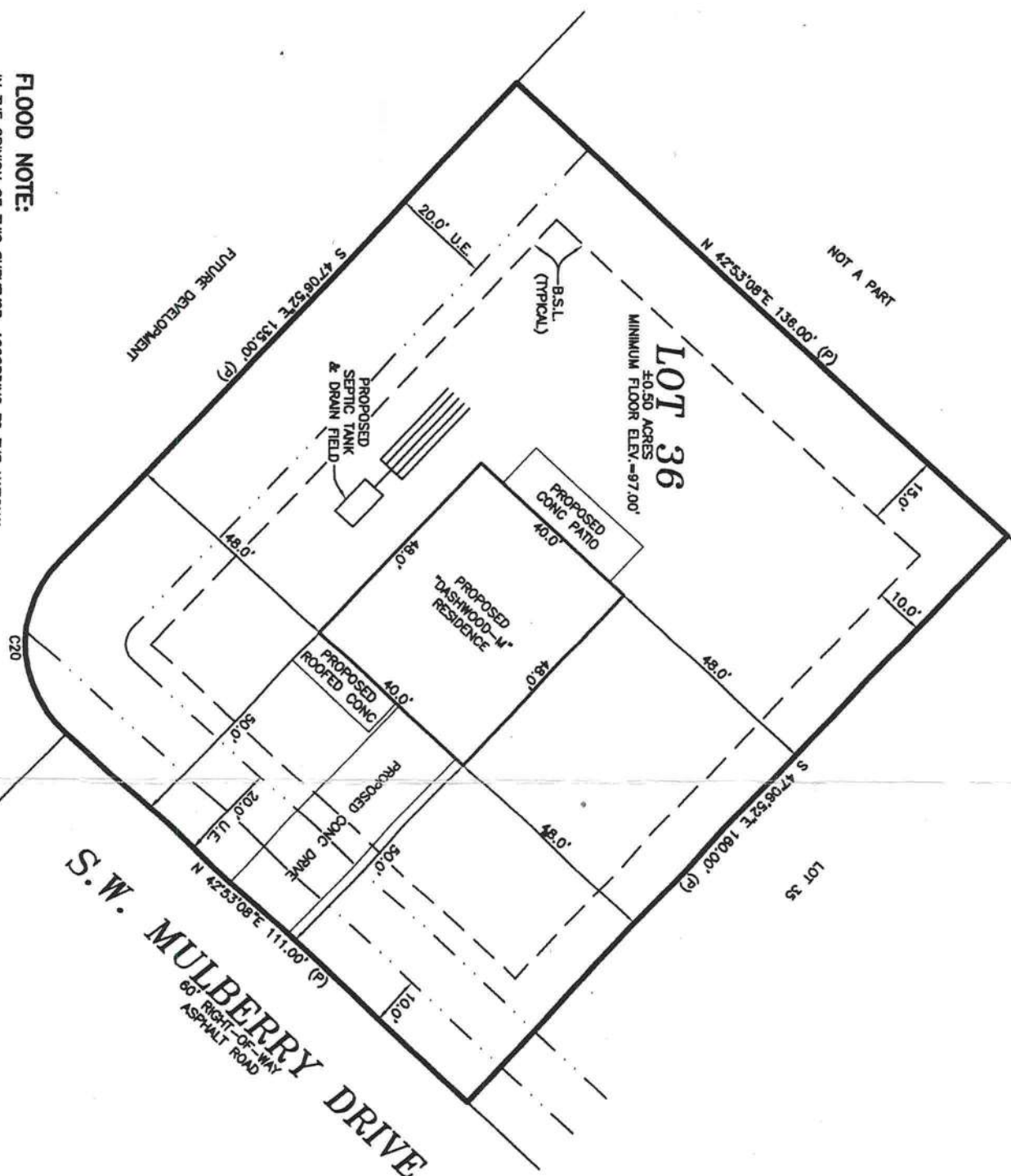
ELEVATIONS SHOWN HEREON ARE BASED UPON A BENCHMARK SET IN A 8" PINE AT THE FRONT OF LOT 2, WITH AN ELEVATION OF 98.76'. THIS INFORMATION WAS PROVIDED TO THIS SURVEYOR BY BRITT SURVEYING (PLATTING SURVEYOR) DATUM UNKNOWN.

1) TO THE BEST OF MY KNOWLEDGE THERE ARE NO ENCROACHMENTS, BOUNDARY LINE DISPUTES, EASEMENTS, OR CLAIMS OF EASEMENTS, OTHER THAN ARE DEPICTED ON THIS DRAWING.

2) ALL UTILITIES AND OR IMPROVEMENTS, IF ANY, MAY NOT BE SHOWN ON THIS DRAWING.

- 3) IN THE OPINION OF THIS SURVEYOR THE BOUNDARY SHOWN HEREON BEST REPRESENTS THE LOCATION OF THE SUBJECT PROPERTY IN RELATION TO THE DESCRIPTION AND THOSE PROPERTY CORNERS FOUND TO BE ACCEPTABLE TO THIS SURVEYOR.
- 4) BUILDING SETBACK LINES DEPICTED HEREON ARE SHOWN AS PER THE RECORD PLAT, BUT ARE SUBJECT TO CHANGE. PRIOR TO ANY NEW CONSTRUCTION, THE APPROPRIATE GOVERNING AUTHORITY SHOULD BE CONTACTED FOR THE CURRENT SETBACK REQUIREMENTS.
- 5) THIS MAP OF SURVEY REFLECTS CONDITIONS LOCATED AS OF THE DATE OF FIELD WORK COMPLETION (SEE TITLE BLOCK).

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



IN THE OPINION OF THIS SURVEYOR, ACCORDING TO THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 120070-0175-B, DATED 1-6-88, 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.

THIS SURETY IS SUBJECT TO ANY FACTS THAT MAY BE DISCLOSED BY A FULL AND ACCURATE TITLE SEARCH. THIS SURETOR 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.

AC	AIR CONDITIONER
ASPH	ASPHALT
C	CALCULATED FROM
MEASURED	
CATV	CABLE TELEVISION
C/B	CONCRETE BLOCK
CLF	CHAIN LINK FENCE
CM	CONCRETE MONUMENT
CONC	CONCRETE
ELEC	ELECTRIC
ELEV	ELEVATION
FOUND	FOUND
FENCE	FENCE
LB	LICENSED SURVEYOR BUSINESS
(N)	FIELD MEASURED
MH	MANHOLE
OVERHEAD UTILITIES	
OU	OVERHEAD UTILITIES
P	PLAY BOOK
PE	PUBLIC UTILITIES EASEMENT
TRANSFORMER	
TYP	TYPICAL
WM	WATER METER
WV	WATER VALVE

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

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

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

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



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SCALE: 1" = 30'	
DATE: 9/19/2011	
<b>"THE BENCHMARK IN QUALITY SERVICE"</b>	
	DRAWN BY: B.G.
	CHECKED BY: J.B.

FIELD WORK COMPLETED ON        FIELDBOOK   , PAGE   

PREPARED FOR: MARONDA

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