

City of Belle Isle

Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811
Tel 407-581-8161 * Fax 407-581-0313 * www.universalengineering.com

PERMIT CARD – PLEASE POST AT JOB SITE

THIS DOCUMENT BECOMES YOUR PERMIT WHEN PROPERLY VALIDATED

Per FBC 105.3.3: An enforcing authority may not issue a building permit for any building construction, erection, alteration, modification, repair or addition unless the permit either includes on its face or there is attached to the permit the following statement: "NOTICE: In addition to the requirements of this permit, there may be additional restrictions applicable to this property that may be found in the public records of this county, and there may be additional permits required from other governmental entities such as water management districts, state agencies, or federal agencies." The issuance of this permit does not grant permission to violate any applicable City, Orange County, State of Florida and/or Federal codes and/or ordinances. Separate permits are required for Signs, Roofing, Electrical, Gas, Plumbing and Mechanical services. This permit becomes VOID if the work authorized is not commenced within 6 months, or is suspended or abandoned for a period of 6 months after commencement. WORK SHALL BE CONSIDERED SUSPENDED IF AN APPROVED INSPECTION HAS NOT BEEN MADE WITHIN A 6 MONTH PERIOD. PERMISSION IS GRANTED TO DO THE FOLLOWING WORK ACCORDING TO THE CONDITIONS HEREON AND THE APPROVED PLANS AND SPECIFICATIONS, SUBJECT TO COMPLIANCE WITH THE ORDINANCES OF THE CITY OF BELLE ISLE, FLORIDA.

Scope of Work: MECHANICAL: c/o 5ton HVAC with no ductwork

Comments: None

Project Information

Address: 2503 Nela Avenue, Belle Isle, FL 32812
Parcel ID: 19-23-30-5888-03-170
Property Owner: Giordano, Michael
Phone Number: 904-686-7149

Company Name: United Air Temp, A/C & Heating of Florida, Inc
Contractor Name: Giordano, Michael
License Number: CAC1816478
Address: 6900 Hill Park Drive, Lorton, VA 22079
Phone Number: 904-686-7149

Permit Number: 2014-06-009

Date of Application: 06/04/2014

Date Permit Issued: 06/04/2014

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 AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT." ON THE JOB INSPECTION(S) MUST BE MADE BEFORE PROCEEDING WITH SUBSEQUENT WORK. THIS CARD MUST BE DISPLAYED OUTSIDE AND BE PROTECTED FROM THE WEATHER WHILE BEING VISIBLE FROM THE STREET UNTIL THE FINAL INSPECTIONS HAVE BEEN APPROVED.

BUILDING FEATURES

IMPACT FEES

School \$
Traffic \$

ZONING FEES

Zoning Fee \$

UNIVERSAL ENG - BUILDING FEES

Cert of Occ \$
Demo \$
Building \$
Fence \$
Driveway \$
Shed \$
Window(s) \$
Door(s) \$
PrePower \$
Electrical \$
Temp Pole \$
Plumbing \$
Mechanical \$147.00
Gas \$
Roofing \$
Boat Dock \$
Screen Encl \$
Swimming Pool \$
Sign \$

SURCHARGE FEES

Surcharge Fee \$2.21
Surcharge Fee \$2.21

TOTAL FEES \$151.42

Date Paid 6-6-14

CC or Check # 1617

Amount Paid 151.42

The person accepting this permit shall conform to the terms of the application on file and construction shall conform to the requirements of the Florida Building Code (FS 553).

BUILDING INSPECTOR USE ONLY

IF APPLICABLE:

Have Zoning Approval Conditions Been Met? YES NO Have Stormwater Approval Conditions

Been Met? YES NO Silt fencing in place? YES NO Turbidity Barrier in place? YES NO

BUILDING

1st _____ (Footing/Foundation)
Survey specific foundation plan must be onsite before slab pour. Approved Plan on Site? ____
2nd _____ (Slab)
3rd _____ (Lintel)(Wall Reinforcing on Masonry Building)
4th _____ (Exterior Framing)(Roof/Wall Sheathing)
5th _____ (Framing) (To be made after Plumbing/ Mechanical/
Electrical Rough-Ins & Windows/Doors Installed)
6th _____ (Insulation to be Made After Roof Installed)
7th _____ (Drywall)
8th _____ (Sidewalk/Driveway)
9th _____ (Other)
10th _____ (Final – After MEP and Other Applicable Finals)

ROOFING

1ST ROOFING Deck Nailing/Dry-in/Flashing _____
2nd ROOFING Covering In-Progress _____
3rd ROOFING Covering Final _____

PLUMBING (Pool-Piping, Solar, Irrigation, Water Treatment Equip, Etc...)

1ST _____ (Underground) 2nd _____ (Sewer)
3rd _____ (Rough-In/Tub Set) 4th _____ (Final)

CHECK APPROPRIATE BOX

GAS ___Natural ___LP MECHANICAL ELECTRICAL LOW VOLTAGE

1st _____ (Rough-In) 2nd _____ (Final)

Inspection requests are to be emailed to BDscheduling@UniversalEngineering.com; a confirmation email will be sent back to you upon scheduling. Next-Day Inspection requests must be made by 1pm. Please include the following in your request: Permit #, project address, type of inspection, date of the requested inspection, a contact name & a contact phone number. AM or PM may be requested but cannot be guaranteed.

For a copy of your permit, or to check inspection results, please visit <https://universalengineering.sharefile.com/f/fo94edc4-832d-44bd-9809-ecf32f9e2e63>

login ID = cobi@universalengineering.com

password = universal13

received
06-03-14



City of Belle Isle

Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811
Tel 407-581-8161 * Fax 407-581-0313 * www.universalengineering.com

APPLICATION FOR MECHANICAL PERMIT

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY 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 WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

DATE OF APPLICATION: 5-8-14

PERMIT NUMBER 2014-06-009

PLEASE PRINT. The undersigned hereby applies for a permit to make installations as indicated below:

Project Address 2503 Nela Ave. Orlando Fl., Belle Isle FL 32809 32812
Property Owner Adame Sharon 200K Phone _____
Property Owner's Mailing Address SAME City Orlando
State FL. Zip Code 32809 Parcel Id Number: 19-23-30-5888-03-170

To obtain this information, please visit <http://www.ocpaf.org/Searches/ParcelSearch.aspx>

Class of Building: Old New Type of Building: Residential Commercial Other
Type of Work: New Alteration Addition Repair Change out

- **REQUIRED:** Tie Down Engineering and Equipment Sizing Calculation
- **REQUIRED:** if adding A/C to new space, provide Energy Calculations
- **REQUIRED:** if replacing unit with no duct work, Duct Certification as per FB 101.4.7.1, must be posted on unit

Please indicate the nature of work by completing the information below:

Air Conditioning: # of Units 1 Tons Per Unit 5 Total Tons 5 5 ton Heat Pump
Type of System: Water to Air _____ Chiller _____ Split System _____ Package _____ Heat Pump _____ 10KW Heat Kit Estimated Cost \$ _____

Heating: # of Units KWS Per Unit 10 Total KWS _____ BTU's 60000 Estimated Cost \$ _____
Oil _____ Electric _____ Boiler _____ Gas _____

(A) Estimated Cost Fee \$ 4913

Fees for items below are based on valuation of all units, equipment, materials and labor supplied by owner or contractor.

Ventilation: (Number of) Grease _____ Heat _____ Hoods, Air Intakes _____ Exhaust Fans _____ Dryer Vents _____ Estimated Cost \$ _____

Refrigeration: Number of units _____ Estimated Cost \$ _____

Piping: Air _____ Vacuum _____ Steam _____ Chill Water _____ Estimated Cost \$ _____

Others: (Specify) _____ Estimated Cost \$ _____

Was the space previously Air Conditioned? Yes No (B) Estimated Cost Fee \$ _____

I hereby certify that the above is true and correct to the best of my knowledge and make Application for Permit as outlined above, and if same is granted I agree to conform to all Florida Building Code Regulations and City Ordinances regulating same and in accordance with plans submitted. The issuance of this permit does not grant permission to violate any applicable Town and/or State of Florida codes and/or ordinances.

LICENSE HOLDER SIGNATURE Brenda Gunther LICENSE # CAC 1816478

LICENSE HOLDER NAME Michael Giordano COMPANY NAME United Air Temp

Street Address 1300 LaQuinta Dr. Orlando Fl.

City Orlando State FL. Zip Code 32809 Phone Number 904-686-7149

Email Address Lake@unitedairtemp.com

Building Official: Angel A Perez Buis Date 6/04/2014
Verified Contractor's Licenses & Insurance are on file cg Date 6-6-14

Permit Fee	\$	<u>98-</u>
Review Fee	\$	<u>49-</u>
3% Florida Surcharge	\$	<u>4.42</u>
Total Permit Fee	\$	<u>151.42</u>

NOTE: The Building Permit Number is required if the Mechanical Installation is associated with any construction or alteration where a Building Permit has been issued. Building Permit Number _____

PROJECT NUMBER 0115.1400297.0000

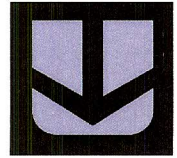
TASK NUMBER 01

CITY OF BELLE ISLE
Permit Application Review Sheet

Permit Number	2014-06-009
Property Owner	Zook
Address	2503 Nela Ave
Nature of Improvement	Mechanical
Received Application	6-3-14
Sent for Stormwater Review	/
Stormwater Approved	/
Sent for Zoning Review	/
Zoning Approved	/
Applied for Variance	/
Variance Approved	/
Sent to BO for Review	6-4-14 W037916
Building Official Approved	6-04-2014
Comments	
1.	6-4-14 sq emailed cost for licenses + insurance
2.	6-6-14 sq " " " " + "
3.	
4.	
5.	
6.	
7.	
8.	
9.	
10.	
11.	
12.	



COBI Permit Fee Calculation Form



Reviewer Signature: AP

Date: 6-04-2014

Permit Type:	<u>Mechanical</u>	Job Cost:	<u>\$ 4913-</u>
Permit Fee:	<u>\$ 98-</u>		
Plans Review Fee:	<u>\$ 49-</u>	(50% of permit fee – excluding ReRoofs)	
1.5% State Fee:	<u>\$ 2.205</u>		
1.5% State Fee:	<u>\$ 3.205</u>		
TOTAL BUILDING FEE:	<u>\$ 151.41</u>	(does not include Zoning fees or Deposits)	

Note: Total gets doubled for SWO/AFT permits

$$\$37 + (\$6 \times 2) = 37 + 12 = \$49$$

$$\$49 \times 2 = \$98$$

$$\$98 \times 50\% = \$49$$

$$98 + 49 = \$147$$

$$147 \times 1.5\% (2) = \$2.205 \times 2 = \$4.41$$

$$147 + 4.41 = \$151.41$$

POWER OF ATTORNEY

Date: 4-22-14

I hereby name and appoint Angelo Santiago / Brenda Gunther
of KOCD Inc to be my lawful attorney

In fact to act for me and apply to the Belle Isle

Building Department for a Mechinical permit

For work to be performed at a location described as:

Section _____ Township _____ Range _____ Lot 17 Block _____

Subdivision Nela Isle Island Section

Adam Zook - 2503 Nela Ave. Belle Isle FL
(Owner of Property and Address)

and to sign my name and do all things necessary to this appointment.

Michael Giordano CAC 1816478
Type or Print Name of Register or Certified Contractor and Contractor's License Number

[Signature]
Signature of Register or Certified Contractor

The foregoing instrument was acknowledged before me this 22 day of April of 20 14

By Michael Giordano

Who is personally known to me/who produced _____

As identification and who did not take oath.

State of Virginia

County of Fairfax

[Signature]
Notary Public, Orange County, Florida

HAROLD JAMES SPELMAN III
NOTARY PUBLIC
REGISTRATION # 292407
COMMONWEALTH OF VIRGINIA
MY COMMISSION EXPIRES
3-31-2018

Seal





Load Short Form
Entire House
United Air Temp

Job:
 Date: Mar 08, 2013
 By:

1300 La Quinta dr, Orlando, Fl 32809 Phone: 4078022392

Project Information

For: Adam Zook
 2503 Nela Ave, Orlando, Fl 32809
 Phone: 4077390730

Design Information

	Htg	Clg	Method	Infiltration
Outside db (°F)	42	93		Simplified
Inside db (°F)	70	75	Construction quality	Average
Design TD (°F)	28	18	Fireplaces	0
Daily range	-	M		
Inside humidity (%)	30	50		
Moisture difference (gr/lb)	1	44		

HEATING EQUIPMENT

Make
 Trade
 Model
 GAMA ID

Efficiency 80 AFUE

Heating input 0 Btuh
 Heating output 0 Btuh
 Temperature rise 0 °F
 Actual air flow 2291 cfm
 Air flow factor 0.049 cfm/Btuh
 Static pressure 0 in H2O
 Space thermostat

COOLING EQUIPMENT

Make
 Trade
 Cond
 Coil
 ARI ref no.
 Efficiency 0 SEER

Sensible cooling 0 Btuh
 Latent cooling 0 Btuh
 Total cooling 0 Btuh
 Actual air flow 2291 cfm
 Air flow factor 0.040 cfm/Btuh
 Static pressure 0 in H2O
 Load sensible heat ratio 0.87

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
Room1	3240	46788	56625	2291	2291
Entire House	3240	46788	56625	2291	2291
Other equip loads		0	0		
Equip. @ 0.98 RSM			55492		
Latent cooling			8700		
TOTALS	3240	46788	64193	2291	2291



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1300 La Quinta dr, Orlando, Fl 32809 Phone: 4078022392

Project Information

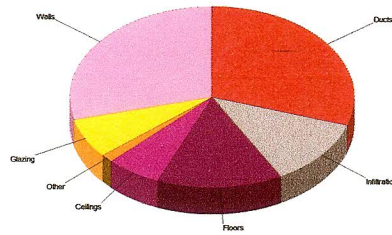
For: Adam Zook
 2503 Nela Ave, Orlando, Fl 32809
 Phone: 4077390730

Design Conditions

Location: Orlando, FL, US Elevation: 105 ft Latitude: 28°N			Indoor: Indoor temperature (°F) Design TD (°F) Relative humidity (%) Moisture difference (gr/lb)	Heating 70 28 30 1.1	Cooling 75 18 50 43.6
Outdoor: Dry bulb (°F) Daily range (°F) Wet bulb (°F) Wind speed (mph)	Heating 42 - - 15.0	Cooling 93 17 (M) 76 7.5	Infiltration: Method Construction quality Fireplaces	Simplified Average 0	

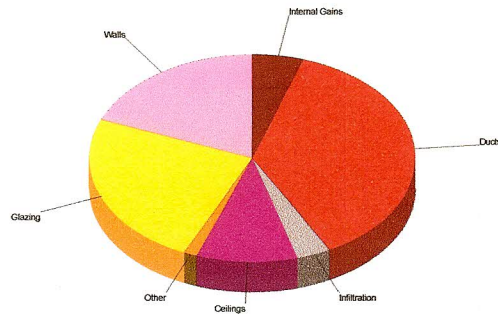
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	7.2	13574	29.0
Glazing	18.1	3291	7.0
Doors	10.9	688	1.5
Ceilings	0.9	2903	6.2
Floors	2.1	6701	14.3
Infiltration	2.6	5567	11.9
Ducts		14064	30.1
Piping		0	0
Humidification		0	0
Ventilation		0	0
Adjustments		0	0
Total		46788	100.0



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	5.7	10714	18.9
Glazing	75.2	13685	24.2
Doors	12.2	767	1.4
Ceilings	1.8	5671	10.0
Floors	0	0	0
Infiltration	0.9	1917	3.4
Ducts		21031	37.1
Ventilation		0	0
Internal gains		2840	5.0
Blower		0	0
Adjustments		0	0
Total		56625	100.0



Latent Cooling Load = 8700 Btuh
 Overall U-value = 0.113 Btuh/ft²·°F

Data entries checked.

Project Information

For: Adam Zook
 2503 Nela Ave, Orlando, Fl 32809
 Phone: 4077390730

Design Conditions

Location:	Orlando, FL, US	Indoor:	Indoor temperature (°F)	70	Heating	75
	Elevation: 105 ft		Design TD (°F)	28		18
	Latitude: 28°N		Relative humidity (%)	30		50
Outdoor:			Moisture difference (gr/lb)	1.1		43.6
	Heating	Cooling	Infiltration:			
	Dry bulb (°F)	42	93	Method	Simplified	
	Daily range (°F)	-	17 (M)	Construction quality	Average	
	Wet bulb (°F)	-	76	Fireplaces	0	
	Wind speed (mph)	15.0	7.5			

Construction descriptions

	Or	Area ft²	U-value Btuh/ft²·°F	Insul R ft²·°F/Btuh	Htg HTM Btuh/ft²	Loss Btuh	Clg HTM Btuh/ft²	Gain Btuh
Walls								
13AB-0ocs: Blk wall, stucco ext, 8" thk, 1/2" gypsum board int fnsh	n	756	0.258	0	7.22	5461	5.70	4311
	e	573	0.258	0	7.22	4139	5.70	3267
	w	550	0.258	0	7.22	3973	5.70	3136
	all	1879	0.258	0	7.22	13574	5.70	10714
Partitions (none)								
Windows								
1D-c2ow: 2 glazing, clr outr, air gas, wd frm mat, clr innr, 1/4" gap, 1/4" thk	n	24	0.570	0	16.0	383	22.0	527
	e	24	0.570	0	16.0	383	64.1	1537
	w	12	0.570	0	16.0	192	64.1	769
	w	42	0.570	0	16.0	670	64.1	2690
	all	102	0.570	0	16.0	1628	54.2	5524
1D-c2om: 2 glazing, clr outr, air gas, mtl no brk frm mat, clr innr, 1/4" gap, 1/8" thk	e	12	0.870	0	24.4	292	80.0	960
1F-c3om: 3 glazing, clr outr, 1/4" gap, mtl no brk frm mat, clr mid, air gas, 1/8" thk, clr innr	w	68	0.720	0	20.2	1371	70.6	4801
Doors								
11D0: Door, wd sc type	e	63	0.390	0	10.9	688	12.2	767
Ceilings								
16B-30ad: Attic ceiling, asphalt shingles roof mat, r-30 ceil ins, 1/2" gypsum board int fnsh		3240	0.032	30.0	0.90	2903	1.75	5671
Floors								
22A-tp: Bg floor, light dry soil, tile flr fnsh		242	0.989	0	27.7	6701	0	0



Project Summary
Entire House
United Air Temp

Job:
 Date: Mar 08, 2013
 By:

1300 La Quinta dr, Orlando, FL 32809 Phone: 4078022392

Project Information

For: Adam Zook
 2503 Nela Ave, Orlando, FL 32809
 Phone: 4077390730

Notes:

Design Information

Weather: Orlando, FL, US

Winter Design Conditions

Outside db 42 °F
 Inside db 70 °F
 Design TD 28 °F

Summer Design Conditions

Outside db 93 °F
 Inside db 75 °F
 Design TD 18 °F
 Daily range M
 Relative humidity 50 %
 Moisture difference 44 gr/lb

Heating Summary

Structure 32725 Btuh
 Ducts 14064 Btuh
 Central vent (0 cfm) 0 Btuh
 Humidification 0 Btuh
 Piping 0 Btuh
 Equipment load 46788 Btuh

Sensible Cooling Equipment Load Sizing

Structure 35593 Btuh
 Ducts 21031 Btuh
 Central vent (0 cfm) 0 Btuh
 Blower 0 Btuh
 Use manufacturer's data n
 Rate/swing multiplier 0.98
 Equipment sensible load 55492 Btuh

Infiltration

Method Simplified
 Construction quality Average
 Fireplaces 0

	Heating	Cooling
Area (ft ²)	3240	3240
Volume (ft ³)	38880	38880
Air changes/hour	0.28	0.15
Equiv. AVF (cfm)	181	97

Latent Cooling Equipment Load Sizing

Structure 4474 Btuh
 Ducts 4226 Btuh
 Central vent (0 cfm) 0 Btuh
 Equipment latent load 8700 Btuh
 Equipment total load 64193 Btuh
 Req. total capacity at 0.70 SHR 6.6 ton

Heating Equipment Summary

Make
 Trade
 Model
 GAMA ID

Efficiency 80 AFUE
 Heating input 0 Btuh
 Heating output 0 Btuh
 Temperature rise 0 °F
 Actual air flow 2291 cfm
 Air flow factor 0.049 cfm/Btuh
 Static pressure 0 in H2O
 Space thermostat

Cooling Equipment Summary

Make
 Trade
 Cond
 Coil
 ARI ref no.
 Efficiency 0 SEER
 Sensible cooling 0 Btuh
 Latent cooling 0 Btuh
 Total cooling 0 Btuh
 Actual air flow 2291 cfm
 Air flow factor 0.040 cfm/Btuh
 Static pressure 0 in H2O
 Load sensible heat ratio 0.87

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Project Information

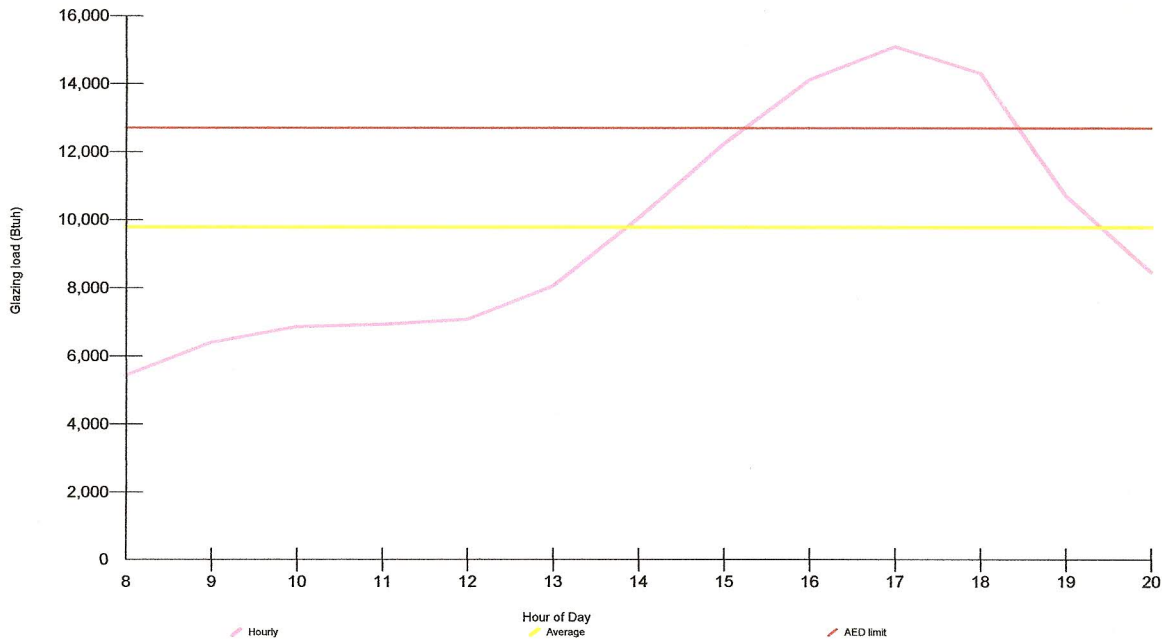
For: Adam Zook
 2503 Nela Ave, Orlando, Fl 32809
 Phone: 4077390730

Design Conditions

Location:		Indoor:		Heating	Cooling
Orlando, FL, US		Indoor temperature (°F)		70	75
Elevation: 105 ft		Design TD (°F)		28	18
Latitude: 28°N		Relative humidity (%)		30	50
Outdoor:	Heating	Cooling	Infiltration:		
Dry bulb (°F)	42	93	Moisture difference (gr/lb)		
Daily range (°F)	-	17 (M)	1.1		
Wet bulb (°F)	-	76	43.6		
Wind speed (mph)	15.0	7.5			

Test for Adequate Exposure Diversity

Hourly Glazing Load



Maximum hourly glazing load exceeds average by 54.5%.

House does not have adequate exposure diversity (AED), based on AED limit of 30%.

AED excursion: 2400 Btuh (PFG - 1.3*AFG)



Adam Zook
2503 Nela Ave.
Orlando, FL 32809

Certificate of Product Ratings

AHRI Certified Reference Number: 4431324

Date: 5/10/2014

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

Outdoor Unit Model Number: VSZ130601A*

Indoor Unit Model Number: AVPTC426014A*

Manufacturer: GOODMAN MANUFACTURING CO., LP.

Trade/Brand name: GOODMAN, JANITROL, AMANA DISTINCTIONS, EVERREST, ONE HOUR AIR CONDITIONING AND HEATING, ENERGI AIR

Series name: VSZ13

Manufacturer responsible for the rating of this system combination is GOODMAN MANUFACTURING CO., LP.

Rated as follows in accordance with AHRI Standard 210/240-2008 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):	57000
EER Rating (Cooling):	11.20
SEER Rating (Cooling):	13.50 ✓
Heating Capacity(Btuh) @ 47 F:	58000
Region IV HSPF Rating (Heating):	8.50
Heating Capacity(Btuh) @ 17 F:	36000



* Ratings followed by an asterisk (*) indicate a voluntary rerate of previously published data, unless accompanied with a WAS, which indicates an involuntary rerate.

DISCLAIMER

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CERTIFICATE VERIFICATION

The information for the model cited on this certificate can be verified at www.ahridirectory.org, click on "Verify Certificate" link and enter the AHRI Certified Reference Number and the data on which the certificate was issued, which is listed above, and the Certificate No., which is listed at bottom right.

©2014 Air-Conditioning, Heating, and Refrigeration Institute



we make life better™

CERTIFICATE NO.:

130442251343430550

We Serve the Entire Metropolitan Area

FL2005413



United Air Temp Heating and Air Conditioning of Florida, Inc.



Leader in Home Comfort Since 1931

PO Box 6300
Springfield, VA 22150

1-800-890-4328
UnitedAirTemp.com

NAME Sharon & Adam ZOOK DATE 5/30/13
FIRST LAST
 ADDRESS 2503 Nela Ave TEL (H) 407 700 0720
 CITY Orlando ST FL ZIP 32809 TEL (W) 407 256 4719

EQUIPMENT:

United Air Temp, Heating and Air Conditioning of Florida, Inc., proposes to furnish and install equipment listed below in accordance with the following conditions and specifications:

QTY	MODEL #	DESCRIPTION
		Condensing Unit: ARI SEER: BTU's:
		Heat Pump: ARI SEER: HSPF: BTU's:
1	<u>Amerson D8T</u>	Matching Coil/Air Handler <u>5 Ton Vck</u>
		Furnace / Boiler: GAMA AFUE: BTU's:
		Merlin:
		Thermostat: <input type="checkbox"/> Digital <input type="checkbox"/> Analog
		Air Cleaner: <input type="checkbox"/> Electronic <input type="checkbox"/> Electrostatic
		Fresh Air System: <input type="checkbox"/> ERV <input type="checkbox"/> Barometric
		Water Treatment: <input type="checkbox"/> Softener <input type="checkbox"/> Filter <input type="checkbox"/> Neutralizer
		Water Heater:
		Humidifier with Humidistat
		Ultra Violet Light
		Ultra-Zone
1	<u>STD</u>	<u>Heat Banks</u>

RESPONSIBILITY:

The following responsibilities will be assumed by us, unless otherwise indicated:

- Delivery, uncrating
- Equipment Foundation
- Required Permits
- Cutting necessary holes
- Wiring from Panel to Unit
- Wiring of Control System
- Drywall repairs are not included
- Electrical Service Heavy-up not included

PIPING:

Any new connecting piping between condensing unit and cooling coil will be top quality grade materials, installed in a neat, professional manner. All joints in piping will be secure and leak tested. Cold piping will be insulated with a closed cell rubber insulation to maintain peak efficiency and prevent condensation.



CUSTOMER'S INITIALS: [Signature]