



# City of Belle Isle

Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811  
Tel 407-581-8161 \* Fax 407-581-0313 \* [www.universalengineering.com](http://www.universalengineering.com)

## PERMIT CARD - PLEASE POST AT JOB SITE

THIS DOCUMENT BECOMES YOUR PERMIT WHEN PROPERLY VALIDATED

Per FBC 105.3: 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 4 ton unit

Comments: None

### Project Information

Address: 1713 Wind Drift Road, Belle Isle, FL 32809  
Parcel ID: 30-23-30-0604-01-060  
Property Owner: Fowler, Randolph and Loisann  
Phone Number: 407-467-7812  
\*\*\*\*\*  
Company Name: American Residential Services of Florida, Inc.  
Contractor Name: Brown, Dennis  
License Number: CMC1249406  
Address: 3012 Mercy Dr Orlando, FL 32808  
Phone Number: 407-404-6775

Permit Number: 2014-04-004

Date of Application: 03/27/2014

Date Permit Issued: 03/31/2014

**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 \$255.00  
Gas \$  
Roofing \$  
Boat Dock \$  
Screen Encl \$  
Swimming Pool \$  
Sign \$

#### SURCHARGE FEES

Surcharge Fee \$3.83  
Surcharge Fee \$3.83

**TOTAL FEES \$262.66**

Date Paid 4-14-14

Color Check # MC 3454

Amount Paid 262.66

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

1<sup>st</sup>

Survey specific foundation plan must be onsite before slab pour. Approved Plan on Site? \_\_\_\_\_ (Footing/Foundation)

2<sup>nd</sup>

\_\_\_\_\_ (Slab)

3<sup>rd</sup>

\_\_\_\_\_ (Lintel) (Wall Reinforcing on Masonry Building)

4<sup>th</sup>

\_\_\_\_\_ (Exterior Framing) (Roof/Wall Sheathing)

5<sup>th</sup>

\_\_\_\_\_ (Framing) (To be made after Plumbing/ Mechanical/ Electrical Rough-Ins & Windows/Doors Installed)

6<sup>th</sup>

\_\_\_\_\_ (Insulation to be Made After Roof Installed)

7<sup>th</sup>

\_\_\_\_\_ (Drywall)

8<sup>th</sup>

\_\_\_\_\_ (Sidewalk/Driveway)

9<sup>th</sup>

\_\_\_\_\_ (Other)

10<sup>th</sup>

\_\_\_\_\_ (Final - After MEP and Other Applicable Finals)

#### ROOFING

1<sup>st</sup> ROOFING Deck Nailing/Dry-in/Flashing \_\_\_\_\_

2<sup>nd</sup> ROOFING Covering In-Progress \_\_\_\_\_

3<sup>rd</sup> ROOFING Covering Final \_\_\_\_\_

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

1<sup>st</sup> \_\_\_\_\_ (Underground) 2<sup>nd</sup> \_\_\_\_\_ (Sewer)

3<sup>rd</sup> \_\_\_\_\_ (Rough-In/Tub Set) 4<sup>th</sup> \_\_\_\_\_ (Final)

#### CHECK APPROPRIATE BOX

GAS \_\_\_ Natural \_\_\_ LP  MECHANICAL  ELECTRICAL  LOW VOLTAGE

1<sup>st</sup> \_\_\_\_\_ (Rough-In) 2<sup>nd</sup> \_\_\_\_\_ (Final)

Inspection requests are to be emailed to [BDscheduling@UniversalEngineering.com](mailto: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.

PROJECT NUMBER 0115.1400156.0000

TASK NUMBER 01

CITY OF BELLE ISLE  
Permit Application Review Sheet

Permit Number	2014-04-004
Property Owner	Fowler, Ralph
Address	1713 Wind Dr/H Rd
Nature of Improvement	Mechanical - HVAC
Received Application	3-27-14
Sent for Stormwater Review	N/A
Stormwater Approved	
Sent for Zoning Review	N/A
Zoning Approved	
Applied for Variance	N/A
Variance Approved	
Sent to BO for Review	
Building Official Approved	3/31/2014
Comments	
1. 3-28-14 gW	Missing license & insurance - sent email Received AN
2. Susan 4/4/14	Customer called - emailed about it's ready sent CC form
3. Susan 4/14/14	waiting on Gal/W. Good - not in packet Good Jennifer
4.	
5.	
6.	
7.	
8.	
9.	
10.	
11.	
12.	



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**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: 3/27/14 PERMIT NUMBER: \_\_\_\_\_  
 PLEASE PRINT The undersigned hereby applies for a permit to make installations as indicated below:

Project Address 1713 Wind Drift Road Belle Isle FL  32809  32812  
 Property Owner Randolph F. Fowler Phone 407-467-7812  
 Property Owner's Mailing Address 1713 Wind Drift Road City Belle Isle  
 State/Fl \_\_\_\_\_ Zip Code 32809 Parcel Id Number: 300320000401000

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

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

- REQUIRED The Down Engineering and Equipment Sizing Calculation
- REQUIRED, 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 4 Total Tons 4 Estimated Cost \$ 7461  
 Type of System: Water to Air \_\_\_\_\_ Chiller \_\_\_\_\_ Split System \_\_\_\_\_ Heat Pump x Estimated Cost \$ \_\_\_\_\_  
 Heating: # of Units KWS Per Unit 1 Total KWS 5 BTU's \_\_\_\_\_  
 Oil \_\_\_\_\_ Electric \_\_\_\_\_ Boiler \_\_\_\_\_ Gas \_\_\_\_\_  
 Fees for items below are based on valuation of all units, equipment, materials and labor supplied by owner or contractor. (A) Estimated Cost Fee \$ \_\_\_\_\_  
 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 X 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 Dennis Brown LICENSE # enc1248406  
 LICENSE HOLDER NAME Dennis Brown COMPANY NAME ARS  
 Street Address 3012 Mercy Drive  
 City Orlando State Fl Zip Code 32808 Phone Number 407-404-6775  
 Email Address jfalto@ars.com

Building Official: [Signature] Date 3/31/2014  
 Review & Permit Fee \$ 255.00  
 3% Florida Surcharge \$ 7.66  
 Total Permit Fee \$ 262.66

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 \_\_\_\_\_

*jfalto@ars.com*



# COBI Permit Fee Calculation Form



Reviewer Signature: AP. Date: 3/31/2014

Permit Type:	<u>Mech.</u>	Job Cost:	<u>\$ 7,461</u>
Permit Fee:	<u>\$ 170</u>		
Plans Review Fee:	<u>\$ 85</u>		(50% of permit fee - excluding ReRoofs)
1.5% State Fee:	<u>\$ 3,824</u>		
1.5% State Fee:	<u>\$ 3,824</u>		
<b>TOTAL BUILDING FEE:</b>	<b>\$ 262, 46</b>		(does not include Zoning fees or Deposits)

Note: Total gets doubled for SWO/AFT permits

Condenser  
 $73 + 12 \times 1.5 =$   
 $\$127.50$

Air handler  
 $73 + 12 \times 1.5 =$   
 $\$127.50$

$127.50 \times 2 = \$255$   
 $255 \times 3\% = 7.65$   
 $\$262.65$



This combination qualifies for a Federal Energy Efficiency Tax Credit when placed in service between Feb 17, 2009 and Dec 31, 2013.

# Certificate of Product Ratings

AHRI Certified Reference Number: 3429753

Date: 1/21/2014

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

Outdoor Unit Model Number: RPQL-048JEZ

Indoor Unit Model Number: RHKL-HM4821+RCSL-H\*4821

Manufacturer: RHEEM SALES COMPANY, INC.

Trade/Brand name: RHEEM

Series name:

Manufacturer responsible for the rating of this system combination is RHEEM SALES COMPANY, INC.

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):	45000
EER Rating (Cooling):	12.50
SEER Rating (Cooling):	15.00
Heating Capacity(Btuh) @ 47 F:	44500
Region IV HSPF Rating (Heating):	8.50
Heating Capacity(Btuh) @ 17 F:	28400

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

#### 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).

#### TERMS AND CONDITIONS

This Certificate and its contents are proprietary products of AHRI. This Certificate shall only be used for individual, personal and confidential reference purposes. The contents of this Certificate may not, in whole or in part, be reproduced, copied, disseminated, entered into a computer database, or otherwise utilized, in any form or manner or by any means, except for the user's individual, personal and confidential reference.

#### CERTIFICATE VERIFICATION

The information for the model listed on this certificate can be verified at [www.ahridirectory.org](http://www.ahridirectory.org). click on "Verify Certificate" link and enter the AHRI Certified Reference Number and the date on which the certificate was issued, which is listed above, and the Certificate No., which is listed below.

©2013 Air-Conditioning, Heating, and Refrigeration Institute



Air-Conditioning, Heating,  
and Refrigeration Institute

CERTIFICATE NO.: 130347854143227810

## Customer Information

Street Address 1713 Wind Drift Road, Orlando, FL 32809

Latitude, Longitude 29.1462°, -81.0534°

House Square Footage: 1998 sq. ft.

Name: Randolph Fowler

Phone: 407-467-7812

Email:

## House Information

SHR	.75
Number of residents	2
Ceiling height	9
Wall U-value   R-value	0.09   11
Floor U-value   R-value	0.2   5
Ceiling U-value   R-value	0.053   19
Window U-value	0.5
Window SHGF	0.85
Moisture grains	58
Duct loss %	10
Duct gain %	10
Cooling infiltration (ACH)	0.6
Heating infiltration (ACH)	0.8
Winter ventilation	0
Summer ventilation	0

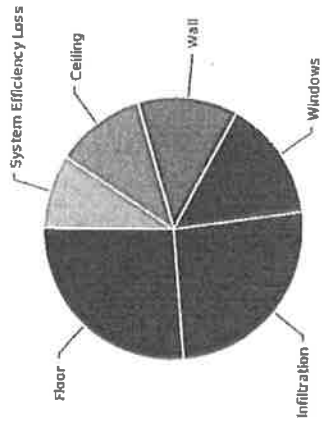
## Design Conditions

	Outdoor	Heating	Cooling
Dry bulb (°F)		37	90
Daily range			L
Relative humidity			50%
Moisture difference			58
	Indoor	Heating	Cooling
Indoor temperature (°F)		70	75
Design temperature difference(°F)		33	15

## Heating Loads

Area	Btuh	% of load
Wall	3930	12.5
Floor	8309	26.5
Ceiling	3495	11.1
Windows	4719	15
Infiltration	8094	25.8
System Efficiency Loss	2855	9.1
<b>Total:</b>	<b>31401</b>	

Heating Loads  
31,401 BTU/hr

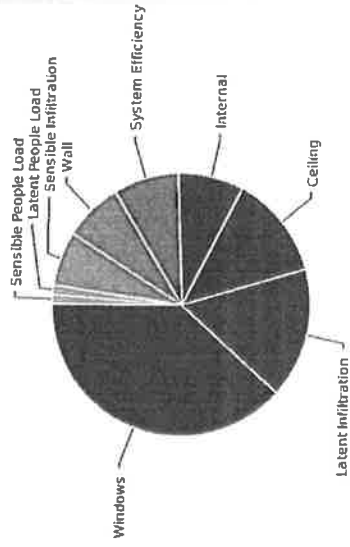




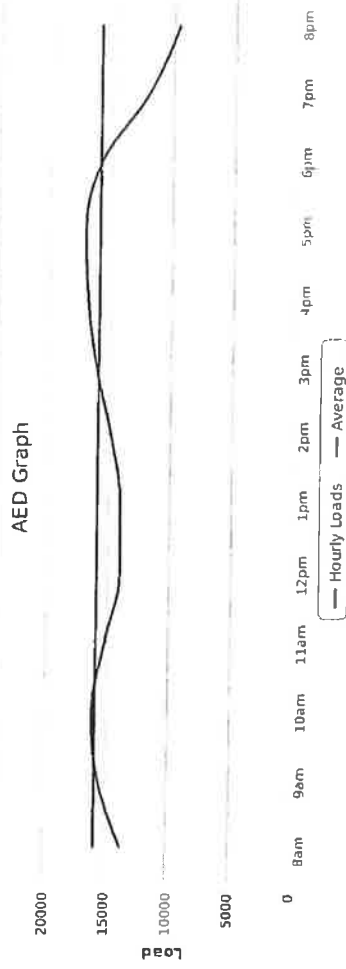
## Cooling Loads

Area	Btuh	% of load
Wall	2977	7.2
Ceiling	5295	12.9
Windows	15824	38.5
Sensible Infiltration	2759	6.7
Latent Infiltration	6596	16
System Efficiency Gain	3345	8.1
Internal	3397	8.3
Sensible People Load	460	1.1
Latent People Load	460	1.1
<b>Total:</b>	<b>41112</b>	
<b>Sensible load</b>	<b>34057</b>	
<b>Latent load</b>	<b>7056</b>	
<b>SHR</b>	<b>0.83</b>	
<b>Capacity at .75 SHR</b>	<b>3.78 Tons</b>	

Cooling Loads  
41,112 BTU/hr



## Adequate Exposure Diversity



## Equipment selection

System equipment selection will be made using the following derived values.

Glass (E)	145 sq. ft.
Glass (S)	20 sq. ft.
Glass (N)	20 sq. ft.
Glass (W)	101 sq. ft.
Summer Outdoor	90°F
Summer Wet Bulb	77°F
Summer Indoor	75°F
Summer Design Grains	50%
Winter Outdoor	37°F
Winter Indoor	70°F
Sensible Cooling	34,057 Btuh
Latent Cooling	7,056 Btuh
Required Cooling Airflow	1,548 CFM
Sensible Heating	31,401 Btuh
Required Heating Airflow	408 CFM

All calculations are based upon approved hvac industry standards and procedures, and comply with all local, state and federal code requirements. All computed results are Estimates. Product provided by Energy Design Systems and Idea Tree



**ANCHOR SCHEDULE:**

1" STEEL CLIP TIE-DOWN SCHEDULE: AT GRADE INSTALLATIONS

2" STEEL CLIP TIE-DOWN SCHEDULE: AT GRADE INSTALLATIONS

ANCHOR SCHEDULE:

ANCHOR SCHEDULE:

MAXIMUM SURFACE AREA OF UNITS	UNIT	HEIGHT	LARGEST FACE	UNIT	WIDTH	DEPTH	WATER RESISTIVE FLASHING TO FASTENERS
4 FT <sup>2</sup>	48" MAX	24" MIN	100 PSF	100 PSF	100 PSF	100 PSF	100 PSF
6 FT <sup>2</sup>			80 PSF	80 PSF	80 PSF	80 PSF	
12 FT <sup>2</sup>			60 PSF	60 PSF	60 PSF	60 PSF	
18 FT <sup>2</sup>			40 PSF	40 PSF	40 PSF	40 PSF	
24 FT <sup>2</sup>	48" MAX	24" MIN	100 PSF	100 PSF	100 PSF	100 PSF	
36 FT <sup>2</sup>			80 PSF	80 PSF	80 PSF	80 PSF	
48 FT <sup>2</sup>			60 PSF	60 PSF	60 PSF	60 PSF	
60 FT <sup>2</sup>			40 PSF	40 PSF	40 PSF	40 PSF	
72 FT <sup>2</sup>	48" MAX	24" MIN	100 PSF	100 PSF	100 PSF	100 PSF	
84 FT <sup>2</sup>			80 PSF	80 PSF	80 PSF	80 PSF	
96 FT <sup>2</sup>			60 PSF	60 PSF	60 PSF	60 PSF	
108 FT <sup>2</sup>			40 PSF	40 PSF	40 PSF	40 PSF	

ANCHOR SCHEDULE NOTES:

- MECHANICAL HOLDING UNITS SHALL BE FASTENED TO MECHANICAL HOLDING UNITS WITH (1) - 1/2" DIA. SAE GRADE 5 SHEET METAL SCREWS (15) - SHEET METAL SCREWS REQUIRED FOR LONG CLIPS, SEE DETAIL 124
- STEEL HOLDING UNITS SHALL BE 3003 ALUMINUM, STEEL GRADE 30 OR 3043
- MAXIMUM ALLOWABLE WIND PRESSURE MATCHING TO FASTENERS (TABLE 1)
- TABLE 1: WIND PRESSURE ALLOWABLE VALUE OF 100 PSF HAS BEEN UTILIZED; FOR HIGHER DEMAND CAPACITIES CONTACT TRUSS ENGINEER FOR SITE-SPECIFIC ENGINEERING

ANCHOR SCHEDULE:

(1) - 1" DIA. SAE GRADE 5 SHEET METAL SCREW TO ALUMINUM, PROVIDE (5) PITCHES MIN. PAST THROUGH PLANE FOR SHEET METAL SCREW.

(2) - 1" DIA. SAE GRADE 5 SHEET METAL SCREW TO STEEL, PROVIDE (3) PITCHES MIN. PAST THROUGH PLANE FOR SHEET METAL SCREW.

(3) - 1" DIA. SAE GRADE 5 SHEET METAL SCREW TO WOOD, PROVIDE (3) PITCHES MIN. PAST THROUGH PLANE FOR SHEET METAL SCREW.

(4) - 1" DIA. SAE GRADE 5 SHEET METAL SCREW TO CONCRETE, 2" MIN. SPACING TO ANY ADJACENT ANCHOR. EDGE DISTANCE: 3" MIN. SPACING TO ANY ADJACENT ANCHOR.

ANCHOR SCHEDULE:

(1) - 2" DIA. SAE GRADE 5 SHEET METAL SCREW TO ALUMINUM, PROVIDE (5) PITCHES MIN. PAST THROUGH PLANE FOR SHEET METAL SCREW.

(2) - 2" DIA. SAE GRADE 5 SHEET METAL SCREW TO STEEL, PROVIDE (3) PITCHES MIN. PAST THROUGH PLANE FOR SHEET METAL SCREW.

(3) - 2" DIA. SAE GRADE 5 SHEET METAL SCREW TO WOOD, PROVIDE (3) PITCHES MIN. PAST THROUGH PLANE FOR SHEET METAL SCREW.

(4) - 2" DIA. SAE GRADE 5 SHEET METAL SCREW TO CONCRETE, 3" MIN. SPACING TO ANY ADJACENT ANCHOR. EDGE DISTANCE: 3" MIN. SPACING TO ANY ADJACENT ANCHOR.

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(2) - 2" DIA. SAE GRADE 5 SHEET METAL SCREW TO STEEL, PROVIDE (3) PITCHES MIN. PAST THROUGH PLANE FOR SHEET METAL SCREW.

(3) - 2" DIA. SAE GRADE 5 SHEET METAL SCREW TO WOOD, PROVIDE (3) PITCHES MIN. PAST THROUGH PLANE FOR SHEET METAL SCREW.

(4) - 2" DIA. SAE GRADE 5 SHEET METAL SCREW TO CONCRETE, 3" MIN. SPACING TO ANY ADJACENT ANCHOR. EDGE DISTANCE: 3" MIN. SPACING TO ANY ADJACENT ANCHOR.

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(4) - 2" DIA. SAE GRADE 5 SHEET METAL SCREW TO CONCRETE, 3" MIN. SPACING TO ANY ADJACENT ANCHOR. EDGE DISTANCE: 3" MIN. SPACING TO ANY ADJACENT ANCHOR.

**BMP INTERNATIONAL, INC.**  
 ENGINEERS  
 4710 28TH STREET NORTH  
 ST. PETERSBURG, FL 33747  
 PHONE: (727) 871-5444

**EXPRESS SERVICE**  
 308 SW 12TH AVENUE  
 DEERFIELD BEACH, FL 33442  
 PHONE: (561) 334-0066  
 WWW.BMPINTERNATIONAL.COM

FLORIDA STATEWIDE APPROVAL

ANCHOR SCHEDULES: 1" STEEL CLIP THE-DOWN SCHEDULE; 2" STEEL CLIP THE-DOWN SCHEDULE; ROOF-TOP MOUNTED INSTALLATIONS

### 1" STEEL CLIP THE-DOWN SCHEDULE: ROOF-TOP MOUNTED INSTALLATIONS

MAXIMUM SURFACE AREA OF UNITS	HEIGHT	UNIT	WATT WIDTH	TYPICAL UNIT
4.27	12.5"	1" CLIP AT EACH CORNER (TOTAL OF 4 CLIPS PER UNIT)	4.0"	4.0" x 4.0" x .005" SHEET METAL SCREW TO ALUMINUM
8.54	25.0"			4.0" x 4.0" x .005" SHEET METAL SCREW TO CONCRETE
12.81	37.5"			4.0" x 4.0" x .005" SHEET METAL SCREW TO STEEL
17.08	50.0"	2" ANCHOR STEEL W/ BUSHING THROUGH TYPICAL W/OUT PRESSURE TYPICAL TO HOIST INSTALLATIONS	4.0"	4.0" x 4.0" x .005" SHEET METAL SCREW TO CONCRETE
21.35	62.5"			4.0" x 4.0" x .005" SHEET METAL SCREW TO STEEL
25.62	75.0"			4.0" x 4.0" x .005" SHEET METAL SCREW TO STEEL
29.89	87.5"			
34.16	100.0"			

### ANCHOR SCHEDULE:

- EXAMPLES: 4 CLIPS @ 30" ON CENTER - 1600LB  
REQUIREMENTS: UNIT SHOULD BE DEFORMED TO ACCEPT WEIGHTS AS SPECIFIED ON SHEET. UNIT SHOULD BE DEFORMED TO ACCEPT WEIGHTS AS SPECIFIED ON SHEET. UNIT SHOULD BE DEFORMED TO ACCEPT WEIGHTS AS SPECIFIED ON SHEET.
- TABLE DESIGN: TYPICAL CONNECTIONS FOR HOIST INSTALLATIONS: UNIT SHOULD BE DEFORMED TO ACCEPT WEIGHTS AS SPECIFIED ON SHEET. UNIT SHOULD BE DEFORMED TO ACCEPT WEIGHTS AS SPECIFIED ON SHEET. UNIT SHOULD BE DEFORMED TO ACCEPT WEIGHTS AS SPECIFIED ON SHEET.

### 2" STEEL CLIP THE-DOWN SCHEDULE: ROOF-TOP MOUNTED INSTALLATIONS

MAXIMUM SURFACE AREA OF UNITS	HEIGHT	UNIT	WATT WIDTH	TYPICAL UNIT
4.27	12.5"	1" CLIP AT EACH CORNER (TOTAL OF 4 CLIPS PER UNIT)	4.0"	4.0" x 4.0" x .005" SHEET METAL SCREW TO ALUMINUM
8.54	25.0"			4.0" x 4.0" x .005" SHEET METAL SCREW TO CONCRETE
12.81	37.5"			4.0" x 4.0" x .005" SHEET METAL SCREW TO STEEL
17.08	50.0"	2" ANCHOR STEEL W/ BUSHING THROUGH TYPICAL W/OUT PRESSURE TYPICAL TO HOIST INSTALLATIONS	4.0"	4.0" x 4.0" x .005" SHEET METAL SCREW TO CONCRETE
21.35	62.5"			4.0" x 4.0" x .005" SHEET METAL SCREW TO STEEL
25.62	75.0"			4.0" x 4.0" x .005" SHEET METAL SCREW TO STEEL
29.89	87.5"			
34.16	100.0"			

### ANCHOR SCHEDULE:

- EXAMPLES: 4 CLIPS @ 30" ON CENTER - 1600LB  
REQUIREMENTS: UNIT SHOULD BE DEFORMED TO ACCEPT WEIGHTS AS SPECIFIED ON SHEET. UNIT SHOULD BE DEFORMED TO ACCEPT WEIGHTS AS SPECIFIED ON SHEET. UNIT SHOULD BE DEFORMED TO ACCEPT WEIGHTS AS SPECIFIED ON SHEET.
- TABLE DESIGN: TYPICAL CONNECTIONS FOR HOIST INSTALLATIONS: UNIT SHOULD BE DEFORMED TO ACCEPT WEIGHTS AS SPECIFIED ON SHEET. UNIT SHOULD BE DEFORMED TO ACCEPT WEIGHTS AS SPECIFIED ON SHEET. UNIT SHOULD BE DEFORMED TO ACCEPT WEIGHTS AS SPECIFIED ON SHEET.

### ANCHOR SCHEDULE:

- EXAMPLES: 4 CLIPS @ 30" ON CENTER - 1600LB  
REQUIREMENTS: UNIT SHOULD BE DEFORMED TO ACCEPT WEIGHTS AS SPECIFIED ON SHEET. UNIT SHOULD BE DEFORMED TO ACCEPT WEIGHTS AS SPECIFIED ON SHEET. UNIT SHOULD BE DEFORMED TO ACCEPT WEIGHTS AS SPECIFIED ON SHEET.
- TABLE DESIGN: TYPICAL CONNECTIONS FOR HOIST INSTALLATIONS: UNIT SHOULD BE DEFORMED TO ACCEPT WEIGHTS AS SPECIFIED ON SHEET. UNIT SHOULD BE DEFORMED TO ACCEPT WEIGHTS AS SPECIFIED ON SHEET. UNIT SHOULD BE DEFORMED TO ACCEPT WEIGHTS AS SPECIFIED ON SHEET.

### 3" STEEL CLIP THE-DOWN SCHEDULE: ROOF-TOP MOUNTED INSTALLATIONS

MAXIMUM SURFACE AREA OF UNITS	HEIGHT	UNIT	WATT WIDTH	TYPICAL UNIT
4.27	12.5"	1" CLIP AT EACH CORNER (TOTAL OF 4 CLIPS PER UNIT)	4.0"	4.0" x 4.0" x .005" SHEET METAL SCREW TO ALUMINUM
8.54	25.0"			4.0" x 4.0" x .005" SHEET METAL SCREW TO CONCRETE
12.81	37.5"			4.0" x 4.0" x .005" SHEET METAL SCREW TO STEEL
17.08	50.0"	2" ANCHOR STEEL W/ BUSHING THROUGH TYPICAL W/OUT PRESSURE TYPICAL TO HOIST INSTALLATIONS	4.0"	4.0" x 4.0" x .005" SHEET METAL SCREW TO CONCRETE
21.35	62.5"			4.0" x 4.0" x .005" SHEET METAL SCREW TO STEEL
25.62	75.0"			4.0" x 4.0" x .005" SHEET METAL SCREW TO STEEL
29.89	87.5"			
34.16	100.0"			

### ANCHOR SCHEDULE:

- EXAMPLES: 4 CLIPS @ 30" ON CENTER - 1600LB  
REQUIREMENTS: UNIT SHOULD BE DEFORMED TO ACCEPT WEIGHTS AS SPECIFIED ON SHEET. UNIT SHOULD BE DEFORMED TO ACCEPT WEIGHTS AS SPECIFIED ON SHEET. UNIT SHOULD BE DEFORMED TO ACCEPT WEIGHTS AS SPECIFIED ON SHEET.
- TABLE DESIGN: TYPICAL CONNECTIONS FOR HOIST INSTALLATIONS: UNIT SHOULD BE DEFORMED TO ACCEPT WEIGHTS AS SPECIFIED ON SHEET. UNIT SHOULD BE DEFORMED TO ACCEPT WEIGHTS AS SPECIFIED ON SHEET. UNIT SHOULD BE DEFORMED TO ACCEPT WEIGHTS AS SPECIFIED ON SHEET.

3

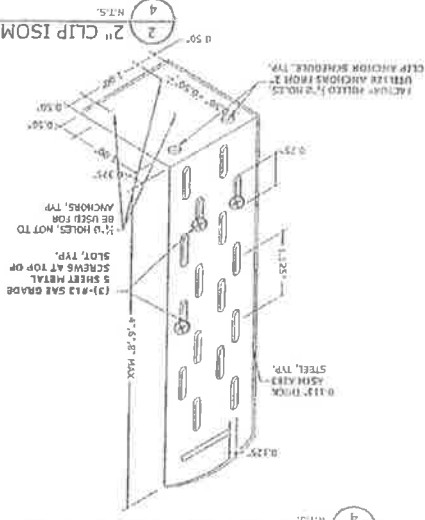
**BMP-001**  
11-BMP-0001

NO.	DESCRIPTION	QTY	UNIT	TOTAL
1	11-BMP-0001	1	EA	1

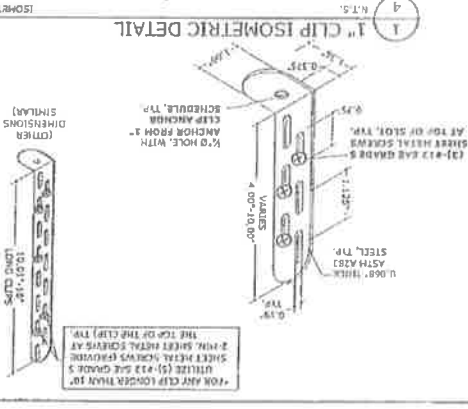
**BMP INTERNATIONAL, INC.**  
4710 34TH STREET NORTH  
ST. PETERSBURG, FL 33771  
PH: (772) 577-1813  
ROOF-TO-STEEL THE-DOWN CLIPS



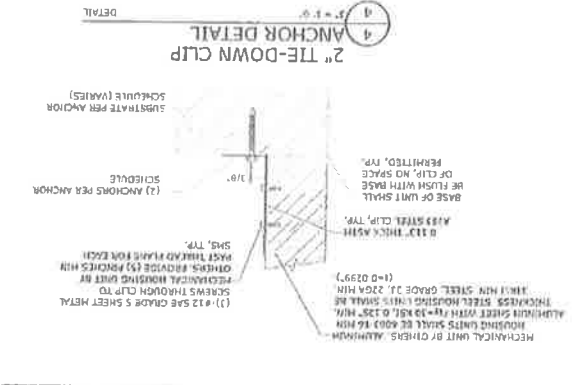
2" CLIP ISOMETRIC DETAIL



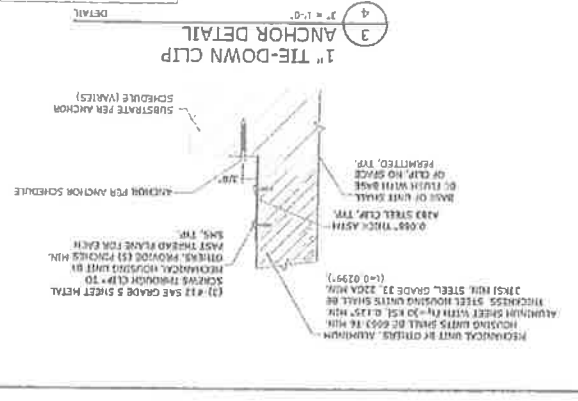
1" CLIP ISOMETRIC DETAIL



2" TIE-DOWN CLIP ANCHOR DETAIL



1" TIE-DOWN CLIP ANCHOR DETAIL



CLIP IS DESIGNED FOR FULL CONTACT WITH THE BASE OF EACH MECHANICAL UNIT, TYP.

CLIP IS DESIGNED FOR FULL CONTACT WITH THE BASE OF EACH MECHANICAL UNIT, TYP.

**11-BHP-001**

MECHANICAL UNIT WITH STEEL TIE-DOWN CLIPS

**BMP INTERNATIONAL, INC.**

4719 38TH STREET NORTH  
 FT. PIERCE, FL 33471  
 PH: (888) 577-3433

**ENGINEERING**

100 SW 12TH AVENUE  
 OCEAN RIDGE, FL 32068  
 PH: (407) 320-8800

**PROFESSIONAL ENGINEER**

STATE OF FLORIDA

**REGISTERED PROFESSIONAL ENGINEER**

NO. 10000

DATE: 10/20/2010

PROJECT: MECHANICAL UNIT WITH STEEL TIE-DOWN CLIPS



# Home Improvement Agreement: HVAC Installation

The Installation Professional named below will furnish, install and service the equipment listed below at the price, terms and conditions as outlined on this form.

### Service Provider Information:

Installation Professional: ARS of ORLANDO License #/Exp. Date: CNC 1427172 Proposal Date: 7-29-13  
 Address: 3012 Heery Drive Phone #: 407-299-0068  
 City, State, Zip: ORLANDO, FL 32808

### Home Depot Information:

Lot #: 1-2588290473 Store #: 0265 THD Indicator #: 84673

### Customer Information:

Name: KANDOLPH FOWLER Service Address: 1713 WIND DRIFT RD  
 Phone #s: Day: 407-467-4812 City, State, Zip: ORLANDO, FL 32809  
 Email:

### Equipment, and System Design Information:

Heating Load Calculation		Cooling Load Calculation		Sensible		Latent		Standard Warranty
Condenser/Heat Pump	Manufacturer	RHEEM	Model #	A/TION				
Air Handler/Furnace	Manufacturer	RHEEM	Model #	VARIABLE SPEED				
Strip Heat/Coil	Manufacturer	SKG	Model #	HEAT STRIP				
Thermostat	Manufacturer	HUMIDITY	Model #	HUMIDITY CONTROL TSTAT				
Other	Manufacturer		Model #					

Extended Service Agreement Only:  1 Year  2 Year  3 Year  4 Year  5 Year

Home Depot:  Home Depot  Other

Equipment Covered:  Complete System/Pkg Unit  Accessory  Boiler  Other

Other:  Parts & Labor  Parts & Labor  Furnace/Air Handler  Other

Notes: 1 YEAR MAINTENANCE FREE 1 YEAR LABOR

### SCOPE OF WORK: Complete each box with YES, NO, or N/A (Not Applicable)

OUTDOOR UNIT		REFRIGERANT AND REFRIGERANT LINES	
New outdoor unit pad?	YES	Install and connect new refrigerant lines	NO
Use existing outdoor unit pad?	NO	Reconnect existing refrigerant lines	YES
DUCT SYSTEM		COMFORT CONTROLS	
Ductwork is properly sized @ 400cfm per ton	YES	Reconnect existing thermostat	NO
Reconnect existing ductwork to new equipment	YES	Install new thermostat	YES
Ductwork modifications are needed (see notes)	NO	OLD EQUIPMENT	
Reconnect to existing condensate pump/line/drain/overflow pan	YES	Remove old equipment from jobsite	YES
INDOOR UNIT (air handler or furnace)	NO	Remove old ductwork from jobsite	NO
New condensate pump/line/drain/overflow pan (circle all that apply)	NO	ELECTRICAL	
Reconnect to existing flue piping	NO	Reconnect existing electrical at indoor unit	YES
New flue piping venting through (circle one)	NO	Reconnect existing electrical to outdoor unit	YES
foundation, roof, wall, or chimney	NO	New indoor electrical included in proposal	NO
Reconnect to existing gas or fuel line	NO	New outdoor electrical included in proposal	NO
New gas or fuel line - SEE NOTES	NO	Electrical upgrade needed - SEE NOTE	NO
		Circle any existing components of the HVAC system that will be reconnected and used: FURNACE AIR-CONDITIONER, HEAT PUMP COIL, AIR HANDLER	N/A

NOTES: INSTALL NEW RHEEM A/TION 15 SEER HEAT PUMP NEW PAD  
INSTALL NEW HUMIDITY CONTROLLED TSTAT  
RECONNECT LINE INSTALL VARIABLE SPEED CHECK DUCTS & ALL  
REPLACE WHIP & DISCONNECT BOX CONDENSER  
CHECK ALL BREAKER REPLACE AS NEEDED

NOTICE TO OWNER: DO NOT SIGN THIS CONTRACT IF BLANK. YOU ARE ENTITLED TO A COPY OF THIS CONTRACT AT THE TIME YOU SIGN.

Total Investment \$ 7461.00  
 Taxes \$ 0  
 Total Amount \$ 7461.00

Notice of Cancellation form received:  Initial: \_\_\_\_\_  
 Termination clause reviewed:  Initial: \_\_\_\_\_

Acceptance and Authorization: By signing below, you authorize Home Depot to (a) arrange for Installation Professional to perform installation and/or (b) order and arrange for the delivery of special order merchandise, including special order merchandise that may be custom made, as specified in this Agreement. Do not sign if blank or incomplete. (Installation Professional's/permitting information may need to be provided to you later.) By signing, you acknowledge that you have read, understand, and accept this Agreement in its entirety, including the General Terms and Conditions. You further acknowledge receiving a complete copy. Keep it to protect your legal rights.

Customer's Signature: [Signature] Date: 7-29-13  
 Co-Signer (if applicable): [Signature] Date: 7-29-13  
 Installation Professional Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## Customer Information

Street Address 1713 Wind Drift Road, Orlando, FL 32809  
Latitude, Longitude 29.1462°, -81.0534°  
House Square Footage: 1998 sq. ft.  
Name: Randolph Fowler  
Phone: 407-467-7812  
Email:

## House Information

SHR .75  
Number of residents 2  
Ceiling height 9  
Wall U-value | R-value 0.09 | 11  
Floor U-value | R-value 0.2 | 5  
Ceiling U-value | R-value 0.053 | 19  
Window U-value 0.5  
Window SHGF 0.85  
Moisture grains 58  
Duct loss % 10  
Duct gain % 10  
Cooling infiltration (ACH) 0.6  
Heating infiltration (ACH) 0.8  
Winter ventilation 0  
Summer ventilation 0



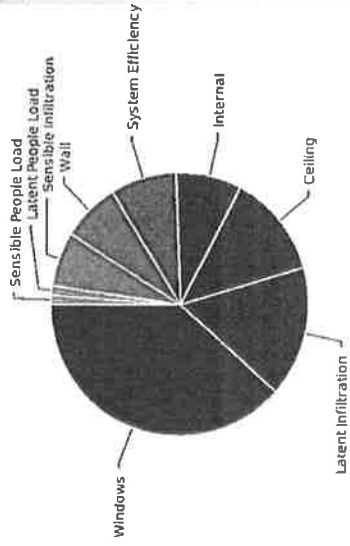
## Design Conditions

	Outdoor	Heating	Cooling
Dry bulb (°F)		37	90
Daily range			L
Relative humidity			50%
Moisture difference			58
	Indoor	Heating	Cooling
Indoor temperature (°F)		70	75
Design temperature difference(°F)		33	15

## Cooling Loads

Area	Btuh	% of load
Wall	2977	7.2
Ceiling	5295	12.9
Windows	15824	38.5
Sensible Infiltration	2759	6.7
Latent Infiltration	6596	16
System Efficiency Gain	3845	8.1
Internal	3397	8.3
Sensible People Load	460	1.1
Latent People Load	460	1.1
<b>Total:</b>	<b>41112</b>	
<b>Sensible load</b>	<b>34057</b>	
<b>Latent load</b>	<b>7056</b>	
<b>SHR</b>	<b>0.83</b>	
<b>Capacity at .75 SHR</b>	<b>3.78 Tons</b>	

Cooling Loads  
41,112 BTU/hr





This combination qualifies for a Federal Energy Efficiency Tax Credit when placed in service between Feb 17, 2009 and Dec 31, 2013.

## Certificate of Product Ratings

AHRI Certified Reference Number: 3429753

Date: 1/21/2014

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

Outdoor Unit Model Number: RPQL-048JEZ

Indoor Unit Model Number: RHL-HM4821+RCSL-H\*4821

Manufacturer: RHEEM SALES COMPANY, INC.

Trade/Brand name: RHEEM

Series name:

Manufacturer responsible for the rating of this system combination is RHEEM SALES COMPANY, INC.

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): 45000

EER Rating (Cooling): 12.50

SEER Rating (Cooling): 15.00

Heating Capacity(Btuh) @ 47 F: 44500

Region IV HSPF Rating (Heating): 8.50

Heating Capacity(Btuh) @ 17 F: 28400

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

#### 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).

#### TERMS AND CONDITIONS

This Certificate and its contents are proprietary products of AHRI. This Certificate shall only be used for individual, personal and confidential reference purposes. The contents of this Certificate may not, in whole or in part, be reproduced, copied, disseminated, entered into a computer database, or otherwise utilized, in any form or manner or by any means, except for the user's individual, personal and confidential reference.

#### CERTIFICATE VERIFICATION

The information for the model cited on this certificate can be verified at [www.ahridirectory.org](http://www.ahridirectory.org). click on "Verify Certificate" link and enter the AHRI Certified Reference Number and the date on which the certificate was issued, which is listed above, and the Certificate No., which is listed below.

©2013 Air-Conditioning, Heating, and Refrigeration Institute



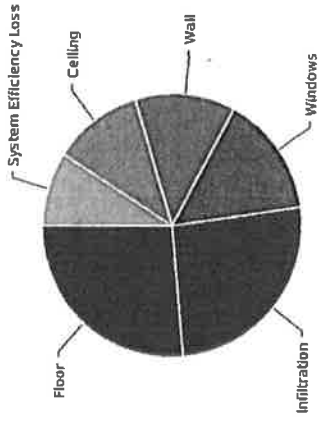
Air-Conditioning, Heating,  
and Refrigeration Institute

CERTIFICATE NO.: 130347854143227810

## Heating Loads

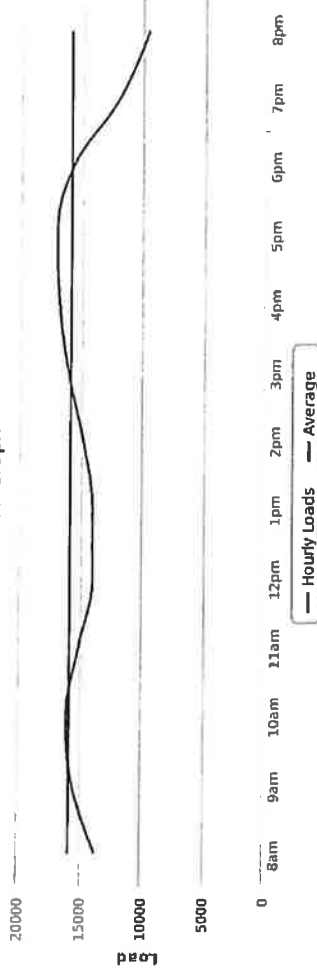
Area	Btuh	% of load
Wall	3930	12.5
Floor	8309	26.5
Ceiling	3495	11.1
Windows	4719	15
Infiltration	8094	25.8
System Efficiency Loss	2855	9.1
Total:	31401	

Heating Loads  
31,401 BTU/hr



## Adequate Exposure Diversity

AED Graph



## Equipment selection

System equipment selection will be made using the following derived values.

Glass (E)	145 sq. ft.
Glass (S)	20 sq. ft.
Glass (N)	20 sq. ft.
Glass (W)	101 sq. ft.
Summer Outdoor	90°F
Summer Wet Bulb	77°F
Summer Indoor	75°F
Summer Design Grains	50%
Winter Outdoor	37°F
Winter Indoor	70°F
Sensible Cooling	34,057 Btuh
Latent Cooling	7,056 Btuh
Required Cooling Airflow	1,548 CFM
Sensible Heating	31,401 Btuh
Required Heating Airflow	408 CFM

All calculations are based upon approved hvac industry standards and procedures, and comply with all local, state and federal code requirements. All computed results are Estimates. Product provided by Energy Design Systems and Idea Tree



# Home Improvement Agreement: HVAC Installation

The Installation Professional named below will furnish, install and service the equipment listed below at the price, terms and conditions as outlined on this form.

### Service Provider Information:

Installation Professional: ARS of ORLANDO License #/Exp. Date: CHC 1427172 Proposal Date: 7-29-13  
 Address: 3012 Mercy Drive Phone #: 407-299-0068  
 City, State, Zip: ORLANDO, FL 32808

### Home Depot Information:

Lead # 1-2588290473 Store # 0265 THD Installer # 84673

### Customer Information:

Name: RANDOLPH FOWLER Service Address: 1713 WIND DRIFT RD  
 Phone #s: Day: 407-467-1812 City, State, Zip: ORLANDO, FL 32809  
 Email:

### Equipment and System Design Information:

Heating Load Calculation		Cooling Load Calculation		Sensible	Latent	Standard Warranty
Condenser/Heat Pump	Manufacturer: <u>RHEEM</u>	Model #	<u>H10N</u>			
Air Handler/Furnace	Manufacturer: <u>RHEEM</u>	Model #	<u>VARIABLE SPEED</u>			
Strip Heat/Coil	Manufacturer: <u>SKW</u>	Model #	<u>HAPT STRIP</u>			
Thermostat	Manufacturer: <u>HUMIDITY</u>	Model #	<u>HUMIDITY CONTROL TSTAT</u>			
Other	Manufacturer:	Model #				

Extended Service Agreement Only: 1 YEAR WARRANTY PRICE

Provider: Home Depot  Equipment-Covered  Accessory  Boiler  Other

Agreement Only:  Deductible  Parts and Labor  Furnace/Air Handler  Complete System/Package Unit  Contaminating Unit

Length:  5 Year  10 Year  12 Year  Other: 1 YEAR LABOR

SCOPE OF WORK: Complete each box with YES, NO, or N/A (Not Applicable)

OUTDOOR UNIT	REFRIGERANT AND REFRIGERANT LINES
New outdoor unit pad?	Install and connect new refrigerant lines: <u>NO</u>
Use existing outdoor unit pad?	Reconnect existing refrigerant lines: <u>YES</u>
Ductwork is properly sized @ 400cfm per ton	Reconnect existing thermostats: <u>NO</u>
Reconnect existing ductwork to new equipment	Install new thermostats: <u>YES</u>
Ductwork modifications are needed (see notes)	Remove old equipment from jobsite: <u>YES</u>
INDOOR UNIT (air handler or furnace)	Remove old ductwork from jobsite: <u>NO</u>
Reconnect to existing condensate pump/drain/overflow pan (circle all that apply)	ELECTRICAL
New condensate pump/drain/overflow pan (circle all that apply)	Reconnect existing electrical at indoor unit: <u>YES</u>
Reconnect to existing flue piping	Reconnect existing electrical to outdoor unit: <u>YES</u>
New flue piping venting through (circle one) foundation, roof, wall, or chimney	New indoor electrical included in proposal: <u>NO</u>
Reconnect to existing gas or fuel line	New outdoor electrical included in proposal: <u>NO</u>
New gas or fuel line - SEE NOTES	Electrical upgrade needed - SEE NOTE: <u>NO</u>
	Circle any existing components of the HVAC system that will be reconnected and used: FURNACE, AIR-CONDITIONER, HEAT PUMP, COIL, AIR HANDLER: <u>N/A</u>

NOTES: INSTALL NEW RHEEM H10N 15 SEER HEAT PUMP NEW PAD  
INSTALL NEW RHEEM HUMIDITY CONTROLLED TSTAT NEW PAD  
REFRIGERANT LINE INSTALL VARIABLE SPEED CHECK DUCT SEALS & ALL  
REPLACE WHIP & DISCONNECT BOX CONDENSER AS NEEDED  
CHECK ALL BREAKER REPLACE AS NEEDED

NOTICE TO OWNER: DO NOT SIGN THIS CONTRACT IF BLANK. YOU ARE ENTITLED TO A COPY OF THIS CONTRACT AT THE TIME YOU SIGN.

Total Investment \$ 7461.00  
 Taxes \$ 0  
 Total Amount \$ 7461.00

Notice of Cancellation form received:  Initial: \_\_\_\_\_ Termination clause reviewed:  Initial: \_\_\_\_\_

Acceptance and Authorization: By signing below, you authorize Home Depot to (a) arrange for Installation Professional to perform installation and/or (b) order and arrange for the delivery of special order merchandise, including special order merchandise that may be custom made, as specified in this Agreement. Do not sign if blank or incomplete. (Installation Professional's/permitting information may need to be provided to you later.) By signing, you acknowledge that you have read, understand, and accept this Agreement in its entirety, including the General Terms and Conditions. You further acknowledge receiving a complete copy. Keep it to protect your legal rights.

Customer's Signature: [Signature] Date: 7-29-13  
 Co-Signer (if applicable): [Signature] Date: 7-29-13  
 Installation Professional's Signature: [Signature] Date: \_\_\_\_\_



Local Business Tax Receipt  
his local business tax receipt is in addition to and not in lieu of any other tax required by law or municipal ordinance. Businesses are subject to regulation of zoning, health and other  
authorities. This receipt is valid from October 1 through September 30 of receipt year. Delinquent penalty is added October 1.

\*\*\*ORIGINAL\*\*\*  
1804 CERT MECHANICAL CONTR \$30.00 1 EMPLOYEE :  
2013 EXPIRES 9/30/2014 1804-1053694

TOTAL TAX \$30.00  
PREVIOUSLY PAID \$30.00  
TOTAL DUE \$0.00

BROWN DENNIS MICHEAL-QUALIFIER

AMERICAN RESIDENTAL SERVICES OF FLORIDA  
INC

BROWN DENNIS MICHEAL  
965 RIDGE LAKE BLVD STE 201  
MEMPHIS TN 38120

3012 MERCY DR  
A - ORLANDO, 32808

PAID: \$30.00 099-00586806 7/22/2013

Local Business Tax Receipt  
Scott Randolph, Tax Collector  
his local business tax receipt is in addition to and not in lieu of any other tax required by law or municipal ordinance. Businesses are subject to regulation of zoning, health and other  
authorities. This receipt is valid from October 1 through September 30 of receipt year. Delinquent penalty is added October 1.

\*\*\*ORIGINAL\*\*\*  
1804 CERT MECHANICAL CONTR \$30.00 1 EMPLOYEE :  
2013 EXPIRES 9/30/2014 1804-1053694

TOTAL TAX \$30.00  
PREVIOUSLY PAID \$30.00  
TOTAL DUE \$0.00

BROWN DENNIS MICHEAL-QUALIFIER

AMERICAN RESIDENTAL SERVICES OF  
FLORIDA  
INC

BROWN DENNIS MICHEAL  
965 RIDGE LAKE BLVD STE 201  
MEMPHIS TN 38120

3012 MERCY DR  
A - ORLANDO, 32808

PAID: \$30.00 099-00586806 7/22/2013



This receipt is official when validated by the Tax Collector