

Address:

Phone Number:

#### 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.

MECHANICAL: one 2.5 ton change out Scope of Work: Comments: **Project Information** Address: 7211 Matchett Rd, Belle Isle, FL 32809 19-23-30-5888-03-250 Parcel ID: Property Owner: Staff, Brandon Phone Number: None Company Name: Gary Munson Heat & AC Contractor Name: Munson, Gay License Number: CAC1814337

1215 Stevens Ave, Orlando, FL 32806

407 859 1494

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

Permit Number: 2015-04-053

Date of Application: 04/22/2015
Date Permit Issued: 04/30/2015

INSPECTIONS HAVE BEEN APPROVED.

#### BUILDING FEATURES

	BUILDING FEATURES
IMPACT FEES	BUILDING INSPECTOR USE ONLY
School \$	
Traffic \$	IF APPLICABLE:
Ψ	Have Zoning Approval Conditions Been Met? YES NO Have Stormwater Approval Conditions
ZONING FEES	That of the state
Zoning Fee \$	Been Met? YES NO Silt fencing in place? YES NO Turbidity Barrier in place? YES NO
<b>UNIVERSAL ENG - BUILDING FEES</b>	BUILDING
· <del>····································</del>	1 <sup>st</sup> (Footing/Foundation)
Cert of Occ \$	Survey specific foundation plan must be onsite before slab pour. Approved Plan on Site?
Demo \$	and
Building \$	2 <sup>nd</sup> (Slab)
Fence \$	
Driveway \$	3 <sup>rd</sup> (Lintel)(Wall Reinforcing on Masonry Building)
Shed \$	4 <sup>th</sup> (Exterior Framing)(Roof/Wall Sheathing)
Window(s) \$	4 <sup>th</sup> (Exterior Framing)(Roof/Wall Sheathing)
Door(s) \$	5 <sup>th</sup> (Framing), (To be made after Plumbing/ Mechanical/
PrePower \$	
Electrical \$	Electrical Rough-Ins & Windows/Doors Installed)
Temp Pole \$ Plumbing \$	6 <sup>th</sup> (Insulation to be Made After Roof Installed)
Mechanical \$73.50	(ilisulation to be iviace After Roof Ilistalled)
Gas \$	7 <sup>th</sup> (Drywall)
Roofing \$	(Bry Hair)
Boat Dock \$	8 <sup>th</sup> (Sidewalk/Driveway)
Screen Encl \$	, , , , , , , , , , , , , , , , , , , ,
Swimming Pool \$	9 <sup>th</sup> (Other)
Sign \$	
	10 <sup>th</sup> (Final – After MEP and Other Applicable Finals)
SURCHARGE FEES	
	II ROOFING
Surcharge Fee \$2.00	1 <sup>ST</sup> ROOFING Deck Nailing/Dry-in/Flashing
Surcharge Fee \$2.00	
	2 <sup>nd</sup> ROOFING Covering In-Progress
<b>TOTAL FEES \$77.50</b>	
	3 <sup>rd</sup> ROOFING Covering Final
11-30-15	
Date Paid 4	PLUMBING (Pool-Piping, Solar, Irrigation, Water Treatment Equip, Etc)
~ W 7743	
CC or Check # MC 7345	1 <sup>ST</sup> (Underground) 2 <sup>nd</sup> (Sewer)
$\rightarrow 2$ (1)	ed the state of th
Amount Paid / (- 30	3 <sup>rd</sup> (Rough-In/Tub Set) 4 <sup>th</sup> (Final)
The manual continue this manual to the	OUEOK APPROPRIATE DOV
The person accepting this permit shall	CHECK APPROPRIATE BOX
conform to the terms of the	GASNaturalLP
application on file and construction	Lasi
shall conform to the requirements of the Florida Building Code (FS 553).	1 <sup>st</sup> (Rough-In) 2 <sup>nd</sup> (Final)
the Florida building Code (FS 555).	

Inspection requests are to be emailed to BIDscheduling@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.

TASK NUMBER 6

#### CTTY OF BELLE ISLE

Permit Application Review Sneet

Permit Number	2015-04-053
Property Owner	Ch Cf Brandon
Address	7211 Matchett Rd
Nature of Improvement	Mechanical one 2.5 ton chargeat
Received Application	4-23-15
Sent for Stormwater Review	
Stormwater Approved	
Description of the second seco	
Sent for Zoning Review	
Zoning Approved	
Applied for Variance	The control of the second of t
Variance Approved	
Sent to BO for Review	4-23-18
Building Official Approved	4-24-15 /2/
	Comments
Susan 4-23-15	review wot 50 de
2.	fie down all credentials v
3.	
4.	
5.	
6.	
7.	
8.	
9.	
10.	
11,*;;	
11.	



Permit has been issued.

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: 4/3/15	PERMIT NUMBER 200.64-033
PLEASE PRINT. The undersigned hereby applies for a permit to make ins	Anatons as a rolested below.
Project Address 7211 matchest to Property Owner Brandon D. Staff	
Property Owner's Mailing Address 7211 Mc Flight Rd State FL Zip Code 32807 Parcel Id Number: 3	City Kelle IVE
	n, please visit http://www.ocpafl.org/Searches/ParcelSearch.aspx
Class of Building: Old New Type of Building: Residentia  Type of Work: New Atteration Addition Repair	Replace HVAC SHOTOM
<ul> <li>REQUIRED: The Down Engineering</li> <li>REQUIRED: If adding A/C to new space, provide Energy Calculations &amp; E</li> <li>REQUIRED: If replacing unit with no duct work, Duct Certification as per F</li> </ul>	
Please indicate the nature of work by completing the information below:	
Air Conditioning: # of Units Tons Per Unit Total Tons Total Tons Total Tons Package	Ro 5 Heat Pump X Estimated Cost \$ 445
Heating: # of Units KWS Per Unit 1 @ 5 KU rotal KWS 5 BTU's	
Oil Boiler Gas	(A) Estimated Cost Fee \$
Fees for items below are based on valuation of all units, equipment, materials	
Ventiletion: (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 \$
Othere: (Specify)	Estimated Cost \$
Was the space previously Air Conditioned? Yes X No	
same is granted tagree to conform to all Florida Building Code Regulations and Cit	the second secon
submitted. The issuance of this permit does not grant permission to violate any a	pplicable Town and/or State of Florida codes and/or ordinances.
LICENSE HOLDER SIGNATURE	LICENSE * CAU8/4337
LICENSE HOLDER NAME BARY & MUNSON	OMPANY NAME GARY MUNSON HIGH AC
Street Address 1215 Stevens, Ave	
	32806 Phone Number 407-859-1494
Email Address 9 Menson 983 6 001. Com	
	Tig rn
Building Official: 19 Date 4-24	Permit Fee
Verified Contractor Licenses & Insurance are on file Date_	3% Florida Surcharge \$
	Total Permit Fee
NOTE: The Building Permit Number is required if the Mechanical Installation is	accordated with any construction or alteration where a Building

**Building Permit Number\_** 



# DesignStar Load Calculation Results are intended for use with Rheem heating and cooling systems

The New Degree of Comfort™

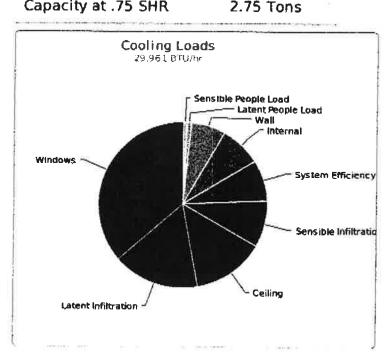
Summer ventilation

THE MEN DEGREE OF COURSE!	The Assessment	1 3 M 110
Customer Inform	ation	
Street Address	7211 matchett Rd, Orlando, FL 32	809
Latitude, Longitude	29.1462°, -81.0534°	
House Square Footage:	1600 sq. ft.	n - te -line who misses
Name:	brandon staff	15 346 50 1004 1 - 12 3 100
Phone:	en e	
Email:		
House Informatio	n - Taraka a kana a taraka a	Will Swinish
SHR	.75	
Number of residents	1	
Ceiling height	8.5	NIVA TRANSPORTATION
Wall U-value   R-value	0.0833   12	
Floor U-value   R-value	0.125   8	
Ceiling U-value   R-value	0.0503   20	
Window U-value	0.5	
Window SHGF	0.85	
Moisture grains	58	
Duct loss %	10	
Duct gain %	10	
Cooling infiltraction (ACH)	0.6	
Heating infiltration (ACH)	0.8	
Winter ventilation	0	

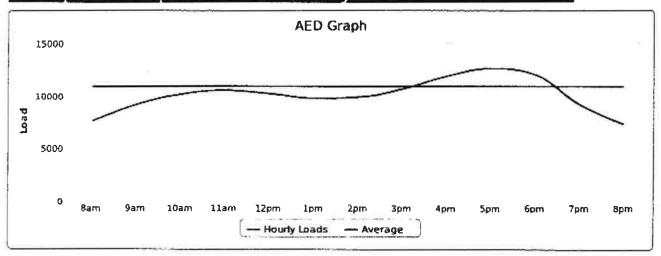
Outdoor	Heatir	<b>ig</b>	Cooling	
Dry bulb (°F)	37	96	96	
Daily range				
Relative humidity 50%		%		
Moisture difference	58			
Indoor		Heating	Cooling	
Indoor temperature (°F)		70	77	
Design temperature difference(°F)		33	19	

#### Cooling Loads

Area	Btuh	% of load
Wall	1972	6.6
Ceiling	4165	13.9
Windows	10868	36.3
Sensible Infiltration	2643	8.8
Latent Infiltration	4988	16.6
System Efficiency Gain	2464	8.2
Internal	2400	8
Sensible People Load	230	0.8
Latent People Load	230	0.8
Total:	29961	711000111711717171
Sensible load	247	42
Latent load	521	8
SHR	0.83	
Capacity at .75 SHR	2.75	Tons



### Adequate Exposure Diversity



#### Equipment selection

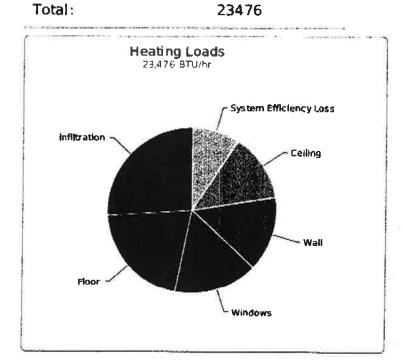
System equipment selection will be made using the following derived values.

Glass (NW)	116 sq. ft.
Glass (NE)	16 sq. ft.
Glass (SW)	16 sq. ft.
Glass (SE)	81 sq. ft.
Summer Outdoor	96°F
Summer Wet Bulb	77°F
Summer Indoor	77°F
Summer Design Grains	50%
Winter Outdoor	37°F
Winter Indoor	70°F
Sensible Cooling	24,742 Btuh
Latent Cooling	5,218 Btuh
Required Cooling Airflow	1,125 CFM
Sensible Heating	23,476 Btuh
Required Heating Airflow	305 CFM

All calculations are based upon approved hyac 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

#### Heating Loads

Area		% of load
Wali	3425	14.6
Floor	4892	20.8
Ceiling	3124	13.3
Windows	3779	16.1
Infiltration	6122	26.1
System Efficiency Loss	2134	9.1
	Out the sections	





## **Certificate of Product Ratings**

AHRI Certified Reference Number: 6937313

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

Outdoor Unit Model Number: 226ANA036\*\*\*\*B

Indoor Unit Model Number: FV4CNF002L

Manufacturer: BRYANT HEATING AND COOLING SYSTEMS

Trade/Brand name: BRYANT HEATING AND COOLING SYSTEMS

Series name: PREFERRED SERIES PURON HP

Manufacturer responsible for the rating of this system combination is BRYANT HEATING AND COOLING

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):

35000

EER Rating (Cooling):

12.00

SEER Rating (Cooling):

16.00

Heating Capacity(Btuh) @ 47 F:

35200

Region IV HSPF Rating (Heating): 9.00

Heating Capacity(Btuh) @ 17 F:

22600

Ri does not endorse the product(s) listed on this Certificate and makes no representations, warranties or guarantees as to, and assumes no respectively. It is certificate. AHRI expressly disclaims all liability for damages of any kind arising out of the use or performance of the partition of data listed on this Certificate. Certified ratings are valid only for models and configurations listed in the ectory at www.ahridirectory.org.

TERMS AND CONDITIONS

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

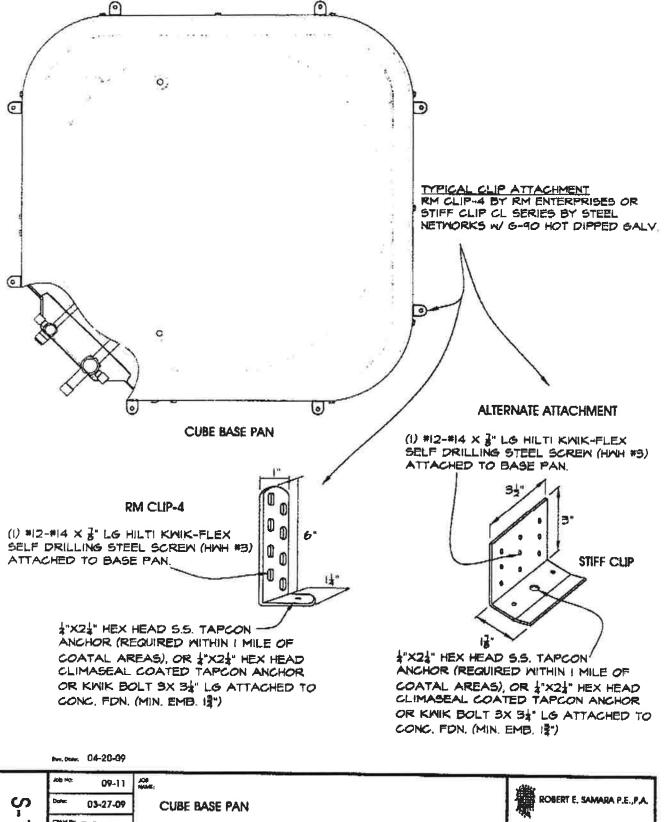
CERTIFICATE VERIFICATION The information for the model of mnation for the model ched on this certificate can be verified at www.ahridirectory.org, click on "Verify Certificate" link or the AHRI Certified Reference Number and the date on which the certificate was issued, listed above, and the Certificate No., which is listed at bottom right.

we make life better

© 2014 Air-Conditioning, Heating, and Refrigeration Institute

**CERTIFICATE NO.:** 

130741845363703443



	лор мс: 09-11	JOB NAME;	48
လှ	Date: 03-27-09	CUBE BASE PAN	ROBERT E. SAMARA P.E.,P.A.
1 - 1	Child By: R. Sormatra		Consulting Engineers Structured
	tennolis A.Barnet	CLIP AND ATTACHMENT LOCATION PLAN	7701 639, 67th Averson, Mitarit, Florian 22143 Promot06-662-1914 Pren508-662-8491

1215 Stevens Ave Orlando, FL 32806 407-859-1494 Office 407-894-0746 FAX

Gary Munson Htg & A/C Svc., Inc.

	1 , 1 9	esal Engene	Par	ela/ For
To:	1401	6   E   S Feom: 2-58   -03   3 Pages:	, 11, 0	prover
Phone	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Dute:	4/22/14	/
Ra:		CC:		
□ Urgent	☐ For Review	☐ Please Commont	☐ Please Reply	☐ Please Rec
	*****		madde	15