



**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.

<p><b>Scope of Work:</b> GAS: run line from tank to spa heater</p> <p><b>Comments:</b> None</p> <p><b>Project Information</b>          Address: 3618 Quando Drive, Belle Isle, FL 32809          Parcel ID: 20-23-30-1646-00-930          Property Owner: Sweeny, Bruce          Phone Number: 407 549 5117          *****          Company Name: Central FL Propane          Contractor Name: Warren, Terry          License Number: 01971          Address: 5475 S. Orange Blossom Trail, Orlando, FL 32839          Phone Number: 407 855 6226</p>	<p align="center"><b>Permit Number: 2015-12-005</b></p> <p>Date of Application: 11/26/2014          Date Permit Issued: 12/03/2014</p> <p><b>WARNING TO OWNER:</b> "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.</p>
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BUILDING FEATURES																																																	
<p><b>IMPACT FEES</b></p> <table style="width:100%;"> <tr><td>School</td><td align="right">\$</td></tr> <tr><td>Traffic</td><td align="right">\$</td></tr> </table> <p><b>ZONING FEES</b></p> <table style="width:100%;"> <tr><td>Zoning Fee</td><td align="right">\$</td></tr> </table> <p><b>UNIVERSAL ENG - BUILDING FEES</b></p> <table style="width:100%;"> <tr><td>Cert of Occ</td><td align="right">\$</td></tr> <tr><td>Demo</td><td align="right">\$</td></tr> <tr><td>Building</td><td align="right">\$</td></tr> <tr><td>Fence</td><td align="right">\$</td></tr> <tr><td>Driveway</td><td align="right">\$</td></tr> <tr><td>Shed</td><td align="right">\$</td></tr> <tr><td>Window(s)</td><td align="right">\$</td></tr> <tr><td>Door(s)</td><td align="right">\$</td></tr> <tr><td>PrePower</td><td align="right">\$</td></tr> <tr><td>Electrical</td><td align="right">\$</td></tr> <tr><td>Temp Pole</td><td align="right">\$</td></tr> <tr><td>Plumbing</td><td align="right">\$</td></tr> <tr><td>Mechanical</td><td align="right">\$</td></tr> <tr><td>Gas</td><td align="right">\$93.00</td></tr> <tr><td>Roofing</td><td align="right">\$</td></tr> <tr><td>Boat Dock</td><td align="right">\$</td></tr> <tr><td>Screen Encl</td><td align="right">\$</td></tr> <tr><td>Swimming Pool</td><td align="right">\$</td></tr> <tr><td>Sign</td><td align="right">\$</td></tr> </table> <p><b>SURCHARGE FEES</b></p> <table style="width:100%;"> <tr><td>Surcharge Fee</td><td align="right">\$2.00</td></tr> <tr><td>Surcharge Fee</td><td align="right">\$2.00</td></tr> </table> <p align="center"><b>TOTAL FEES \$97.00</b></p> <p>Date Paid 12-8-14</p> <p>CC or Check # MC 4601</p> <p>Amount Paid 97-00</p>	School	\$	Traffic	\$	Zoning Fee	\$	Cert of Occ	\$	Demo	\$	Building	\$	Fence	\$	Driveway	\$	Shed	\$	Window(s)	\$	Door(s)	\$	PrePower	\$	Electrical	\$	Temp Pole	\$	Plumbing	\$	Mechanical	\$	Gas	\$93.00	Roofing	\$	Boat Dock	\$	Screen Encl	\$	Swimming Pool	\$	Sign	\$	Surcharge Fee	\$2.00	Surcharge Fee	\$2.00	<p align="center">BUILDING INSPECTOR USE ONLY</p> <p>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</p> <p><b>BUILDING</b>          Survey specific foundation plan must be onsite before slab pour. Approved Plan on Site? _____          1<sup>st</sup> _____ (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 &amp; 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)</p> <p><b>ROOFING</b>          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 _____</p> <p><b>PLUMBING</b> (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)</p> <p>CHECK APPROPRIATE BOX  <input type="checkbox"/> GAS ___ Natural ___ LP <input type="checkbox"/> MECHANICAL <input type="checkbox"/> ELECTRICAL <input type="checkbox"/> LOW VOLTAGE</p> <p>1<sup>st</sup> _____ (Rough-In) 2<sup>nd</sup> _____ (Final)</p>
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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).

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.

CITY OF BELLE ISLE  
Permit Application Review Sheet

Permit Number	2015-12-605
Property Owner	Sweeny, Bruce
Address	3618 Quando Dr.
Nature of Improvement	GAS: run line from tank to spa heater
Received Application	11-26-14
Sent for Stormwater Review	/
Stormwater Approved	
Sent for Zoning Review	/
Zoning Approved	
Applied for Variance	
Variance Approved	
Sent to BO for Review	11-26-14
Building Official Approved	12-1-14 <u>AG</u>
Comments	
1. Susan 11-26-14	Sent email - <del>Schematic was to be signed</del> got it ✓
2.	
3.	review wo # 44564
4. Susan 12-1-14	Price??
5. RALPH 12-1-14	PRICED OUT
6.	62.00 31.00 <u>93.00</u>
7.	+ 4
8.	<u>97.00</u>
9.	
10.	
11.	
12.	



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)

**RECEIVED**  
 11-26-14

**APPLICATION FOR GAS 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: \_\_\_\_\_ PERMIT NUMBER 2015-12-005

The undersigned hereby applies for a permit to make: (Indicate) Natural  Liquefied Petroleum Gas  installations as indicated below. PLEASE PRINT

Project Address 3618 Quando Dr Belle Isle FL 32812  32812  
 Property Owner Bruce Sweeney Phone 407-549-5117  
 Property Owner's Mailing Address 3618 Quando Dr City Orlando  
 State FL Zip Code 32812 Parcel Id Number: 20-23-30-1646-00-930

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

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

# GAS OUTLETS \_\_\_\_\_ DELIVERY PRESSURE 11" wc TOTAL # BTU'S \_\_\_\_\_

**\*\*\* SIGNED & DATED PIPING PLAN/SKETCH WITH GAS CALCULATIONS REQUIRED \*\*\*  
 GENERATOR INSTALLATION SHOULD INCLUDE INLET PRESSURE AND SUPPLY SPECIFICATIONS**

**APPLIANCES:**

\* ALL VENTING AND COMBUSTION AIR SHALL BE THE RESPONSIBILITY OF THE PERMIT HOLDER, AND WILL BE INSTALLED AT THE ROUGH-IN STAGE. INDICATE ALL DIRECT VENT/POWER VENT APPLIANCES IN SPECIAL COMMENTS\*

Estimated Value for Labor & Appliance(s) = \$ 485.-

Type of Appliance	Qty	Value of Each*
DRYER		\$
FURNACE		\$
FIREPLACE		\$
RANGE		\$
WATER HEATER		\$
GRILL		\$
POOL HEATER		\$
SPA	1	\$
BOILER		\$
MISC		\$

Special Comments: Run gas line from existing tank to spa heater

\*VALUE MEANS REASONABLE RETAIL VALUE

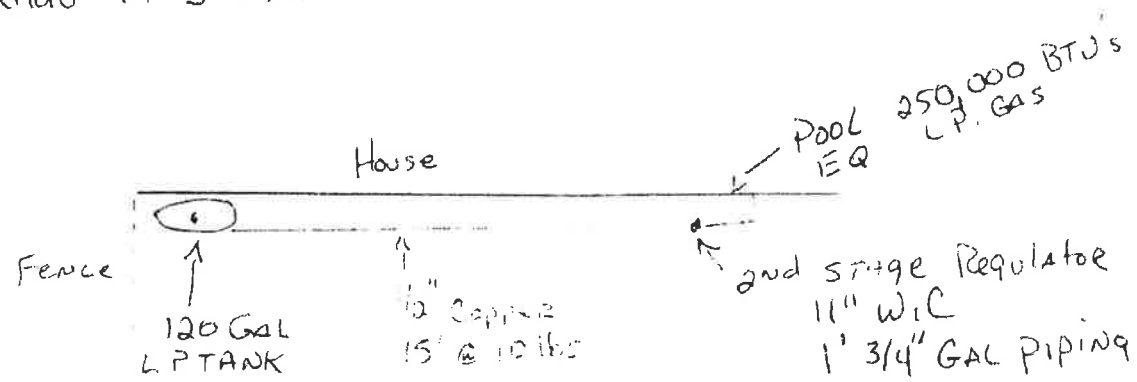
Building Official: [Signature] Date 12-1-14  
 Verified Contractor's Licenses & Insurance are on file \_\_\_\_\_ Date \_\_\_\_\_  
 Permit Fee \$ 62.00  
 Review Fee \$ 31.00  
 3% Florida Surcharge \$ 4.00  
 Total Permit Fee \$ 97.00

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 [Signature] LICENSE # 01971  
 LICENSE HOLDER NAME Terry Warren COMPANY NAME Central Florida Propane  
 Street Address 5475 S.O.B.T.C State FL Zip Code 32839 Phone Number 407-855-6226  
 City Orlando  
 Email Address Virginia@CentralFlPropane.com

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

Bruce Sweeny  
3618 Quando Dr  
Orlando FL 32812



*Terry Warren*  
11-26-14  
Terry Warren

**Table 7B. Pipe Sizing Between First-Stage (High Pressure Regulator) And Second-Stage (Low Pressure Regulator)**

MAXIMUM UNDILUTED PROPANE CAPACITIES BASED ON 10 PSIG FIRST STAGE SETTING AND 1 PSIG PRESSURE DROP. CAPACITIES ARE IN 1,000 BTU PER HOUR.

Type	ACR (Refrigeration)					Type L Tubing				
	3/8-inch (0.375)	1/2-inch (0.500)	5/8-inch (0.625)	3/4-inch (0.750)	7/8-inch (0.875)	3/8-inch (0.500)	1/2-inch (0.625)	5/8-inch (0.750)	3/4-inch (0.875)	7/8-inch (1.000)
Outside	0.311	0.436	0.555	0.66	0.765	0.430	0.545	0.666	0.785	0.906
Inside										
Length, Feet										
30	289	726	1,367	2,329	3,394	309	700	1,303	2,205	3,394
40	266	621	1,170	1,893	2,904	285	599	1,115	1,887	2,904
50	227	551	1,037	1,766	2,574	235	531	986	1,672	2,574
60	206	499	939	1,600	2,332	213	481	896	1,515	2,332
70	189	459	864	1,472	2,146	196	443	824	1,394	2,146
80	176	427	804	1,370	1,996	182	412	767	1,297	1,996
90	165	401	754	1,285	1,873	171	386	719	1,217	1,873
100	156	378	713	1,214	1,769	161	365	679	1,149	1,769
150	125	304	572	975	1,421	130	293	546	923	1,421
200	107	260	490	834	1,216	111	251	467	790	1,216
250	95	230	434	739	1,076	90	222	414	700	1,076
300	86	209	393	670	976	89	201	375	634	976
350	79	192	362	616	898	82	185	345	584	898
400	74	179	337	573	836	76	172	321	543	836
450	69	168	316	538	784	71	162	301	509	784
500	65	156	298	508	741	66	153	284	481	741
600	59	144	270	460	671	61	138	268	436	671
700	54	132	249	424	617	56	127	237	401	617
800	51	123	231	394	574	52	118	221	373	574
900	48	115	217	370	539	49	111	207	350	539
1,000	54	109	205	349	509	46	105	195	331	509
1,500	36	87	165	281	409	37	84	157	266	409
2,000	31	75	141	240	350	32	72	134	227	350

Data taken and reprinted from Table 15.1(h) and 15.1(k) in NFPA 69, 2007 ed. Always check www.nfpa.org for the latest updates.

**Table 8A. Pipe Sizing Between Second-Stage (Low Pressure Regulator) And Appliance**  
 MAXIMUM UNDILUTED PROPANE CAPACITIES BASED ON 11-INCHES W.C. SETTING AND 0.5-INCH W.C. PRESSURE DROP. CAPACITIES ARE IN 1,000 BTU PER HOUR.

Schedule 40 Pipe Size, Inches (Actual Inside Diameter, inches)

Piping Length, Feet	1/2-inch NPT (0.622-inch)	3/4 NPT (0.824-inches)	1 NPT (1.049-inches)	1-1/4 NPT (1.315-inches)	1-1/2 NPT (1.61-inches)	2 NPT (2.067-inches)	3 NPT (3.068-inches)	3-1/2 NPT (3.548-inches)	4 NPT (4.026-inches)
10	291	508	1,146	2,352	3,523	6,789	19,130	28,008	39,018
20	200	418	788	1,617	2,423	4,686	13,148	19,250	26,817
30	161	336	632	1,299	1,946	3,747	10,558	15,458	21,535*
40	137	287	541	1,111	1,665	3,207	9,036	13,230	18,431
50	122	255	480	985	1,476	2,842	8,009	11,726	16,335
60	110	231	435	882	1,337	2,575	7,256	10,625	14,801
80	94	198	372	764	1,144	2,204	6,211	9,093	12,668
100	84	175	330	677	1,014	1,954	5,504	8,059	11,227
125	74	155	292	600	889	1,731	4,878	7,143	9,950
150	67	141	265	544	815	1,569	4,420	6,472	9,016
200	58	120	227	465	687	1,343	3,793	5,539	7,716
250	51	107	201	412	618	1,190	3,353	4,909	6,839
300	46	97	182	373	560	1,076	3,038	4,448	6,196
350	43	89	167	344	515	992	2,795	4,092	5,701
400	40	83	156	320	479	923	2,600	3,807	5,303

Data taken and reprinted from Table 15.1(c) in NFPA 58, 2007 ed. Always check [www.nfpa.org](http://www.nfpa.org) for the latest updates.

**Scott Randolph, Tax Collector**  
**Local Business Tax Receipt**  
**Orange County, Florida**

This 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 lawful authorities. This receipt is valid from October 1 through September 30 of receipt year. Delinquent penalty is added October 1.

3205 LP GAS-DEALER 2014  
 3205-0511765



WARREN TERRY-PRESIDENT  
 CENTRAL FLORIDA PROPANE INC  
 5475 S ORANGE BLOSSOM TR  
 ORLANDO FL 32839-2712

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

5475 S ORANGE BLOSSOM TL  
 U - ORLANDO, 32839

PAID: \$30.00 0098-00654682 9/30/2014

This receipt is official when validated by the Tax Collector.



**State of Florida  
Department of Agriculture and Consumer Services**

**Division of Consumer Services  
Bureau of Liquefied Petroleum Gas Inspection**

**(850) 921-1600**

**Tallahassee, Florida**

**Liquefied Petroleum Gas License**

**CATEGORY I LP GAS DEALER**

**GOOD FOR ONE LOCATION ONLY  
ANY CHANGE OF OWNERSHIP OR SALE OF THIS BUSINESS RENDERS THIS LICENSE INVALID**

**This license is issued under authority of Section 527.02, Florida Statutes, to:**

**CENTRAL FLORIDA PROPANE, INC.  
5475 S ORANGE BLOSSOM TRL  
ORLANDO, FL 32839**

**ADAM H. PUTNAM  
COMMISSIONER OF AGRICULTURE**

**License Number: 01971  
Expiration Date: August 31, 2015  
Date of Issue: September 1, 2014  
License Fee: \$425.00  
Type and Class: 0601**