TRADE PERMIT APPLICATION

Permit Number: _____

COPY OF A SIGNED CONTRACT MUST BE ATTACHED

MANUAL J IS REQUIRED WITH ALL A/C CHANGE OUTS

Community Development Dept. | 9220 Bonita Beach Road, Suite 111 | Bonita Springs, FL 34135 | Phone: 239 444 6150 | Fax: 239 444 6140

A. Property/ Job Site Information:

Owner: _____

Street: _____City: _____Zip: _____

STRAP NUMBER:_____

B. Contractor/ Owner Information: License Number:_____

First and Last Name: _____

Company Name: _____

Phone Number: Area Code: _____ Number: _____

E-mail Address:_____

C. Job Value: $_____ **(Contract Must Be Attached)**

D. Recycling: ☐ Yes ☐ No ☐ Diversion fee paid

E. Job Type:

a. **RE-ROOF: Nominal wind speed 124 Ultimate wind speed 160 Asphalt shingles need to be ASTM D 7158 Type H or ASTM D 161 Type F only**

i. MD☐ BU☐ CT☐ MT☐ SP☐ CS☐ RR☐ UT ☐ FS ☐ Tear off ☐
Shingle over shingle Y ☐ N ☐ Roof pitch*_____
*If shingle roof is less that a 2/12 pitch, a roof pitch agreement is required before inspections. Tile can be changed to shingle, but shingle may not be changed to tile without Engineer approval.

b. **AIR CONDITIONING**

i. Change out ☐ *** Manual J required with all Change outs**

ii. New system in existing residence: Y* ☐ N ☐ (If yes, ground floor square footage is required) _____ Sq. Footage *__Separate electric permit is required__*

iii. SEER_____ KW____ Tons_____

iv. Pkg Unit____ Split System____ Duct Work Only_____

v. Condenser Only*****_____ Air Handler Only*****_____ ***Provide match documentation**

vi. Pool Heat Pump_____

vii. Interior coolers _____ Exterior walk-in cooler _____ # of compressors_____

The 2010 Florida Building Code Energy Conservation Chapters Requires permit applications for split system change outs to include documentation showing compliance with the ACCA manuals J and S (RES) or ACCA manuals N and S (Com). Matching Documents include: AHRI Data, Accredited Lab, Manufacture Letter, or Eng. Letter. **ALL DOCUMENTS MUST BE SUBMITTED PRIOR TO ISSUANCE.

c. **ELECTRIC**

i. _____

d. **PLUMBING**

i. Ground Floor Area _____ sq.ft. _____ Water Heater Replacement_____

ii. SEWER _____(A copy of paid tap receipt is required)

iii. Irrigation from: Lake ____ Well _____ (Well permit # required) BSU _____

iv. Fire sprinklers (residential): # of Heads___ Potable (6 or less)___ BSU/ Backflow ___

e. **LP GAS:** undergroud tank _____ above ground tank_____ add to existing system _____

i. Number of outlets_____ natural gas_____

f. **SOLAR:**

i. Roof Truss Affidavit___ Pool Heater___ Water Heater ___ Photovoltaic System ___
KW's for PV: _____

***** SIGN ONLY IN THE PRESENCE OF A NOTARY PUBLIC *****

Printed Name: _____ **Signature:** _____ **Date:** _____

STATE OF FLORIDA, COUNTY OF _____ Sworn to (or affirmed) and subscribed before me

____day of _____ , _____ , by _____ (name of person making statement).

Personally known: ___ OR Produced identification: ___ Type of identification produced: _____

_____ _____

(Signature of Notary Public – State of Florida) **(Print, Type or Stamp Commissioned Name of Notary Public)**

Applicable Codes:
2010 edition Florida Building Code Building, Plumbing, Mechanical, Fuel Gas, Residential, Existing & Energy
2010 edition Florida Fire Prevention Code if application
2008 edition National Electric Code

OWNER BUILDER DISCLOSURE STATEMENT & AFFIDAVIT FORM IS REQUIRED FOR ALL OWNER BUILDER PERMITS

Trade Permit Cost Breakdown (as of 03-14-2012)						
Contract Amount	**Building Permit Fees**	**DCA Surcharge**	**DBPR Surcharge**	**Total**	**3% Credit Card Convenience Fee**	**Grand Total**
$0-$2,000	$75.00	$2.00	$2.00	$79.00	$2.37	$81.37
$2,001-$3,000	$89.00	$2.00	$2.00	$93.00	$2.79	$95.79
$3,001-$4,000	$103.00	$2.00	$2.00	$107.00	$3.21	$110.21
$4,001-$5,000	$117.00	$2.00	$2.00	$121.00	$3.63	$124.63
$5,001-$6,000	$131.00	$2.00	$2.00	$135.00	$4.05	$139.05
$6,001-$7,000	$145.00	$2.18	$2.18	$149.36	$4.48	$153.84
$7,001-$8,000	$159.00	$2.39	$2.39	$163.78	$4.91	$168.69
$8,001-$9,000	$173.00	$2.59	$2.59	$178.18	$5.35	$183.53
$9,001-$10,000	$187.00	$2.80	$2.80	$192.60	$5.78	$198.38
$10,001-$11,000	$201.00	$3.01	$3.01	$207.02	$6.21	$213.23
$11,001-$12,000	$215.00	$3.23	$3.23	$221.46	$6.64	$228.10
$12,001-$13,000	$229.00	$3.44	$3.44	$235.88	$7.08	$242.96
$13,001-$14,000	$243.00	$3.65	$3.65	$250.30	$7.51	$257.81
$14,001-$15,000	$257.00	$3.86	$3.86	$264.72	$7.94	$272.66
$15,001-$16,000	$271.00	$4.06	$4.06	$279.12	$8.37	$287.49
$16,001-$17,000	$285.00	$4.27	$4.27	$293.54	$8.81	$302.35
$17,001-$18,000	$299.00	$4.48	$4.48	$307.96	$9.24	$317.20
$18,001-$19,000	$313.00	$4.69	$4.69	$322.38	$9.67	$332.05
$19,001-$20,000	$327.00	$4.91	$4.91	$336.82	$10.10	$346.92
$20,001-$21,000	$341.00	$5.12	$5.12	$351.24	$10.54	$361.78
$21,001-$22,000	$355.00	$5.33	$5.33	$365.66	$10.97	$376.63
$22,001-$23,000	$369.00	$5.54	$5.54	$380.08	$11.40	$391.48
$23,001-$24,000	$383.00	$5.75	$5.75	$394.50	$11.83	$406.33
$24,001-$25,000	$397.00	$5.96	$5.96	$408.92	$12.27	$421.19
$25,001-$26,000	$406.70	$6.10	$6.10	$418.90	$12.57	$431.47
$26,001-$27,000	$416.40	$6.25	$6.25	$428.90	$12.87	$441.77
$27,001-$28,000	$426.10	$6.39	$6.39	$438.88	$13.17	$452.05
$28,001-$29,000	$435.80	$6.54	$6.54	$448.88	$13.47	$462.35
$29,001-$30,000	$445.50	$6.68	$6.68	$458.86	$13.77	$472.63
$30,001-$31,000	$455.20	$6.83	$6.83	$468.86	$14.07	$482.93
$31,001-$32,000	$464.90	$6.97	$6.97	$478.84	$14.37	$493.21
$32,001-$33,000	$474.60	$7.12	$7.12	$488.84	$14.67	$503.51
$33,001-$34,000	$484.30	$7.26	$7.26	$498.82	$14.96	$513.78
$34,001-$35,000	$494.00	$7.41	$7.41	$508.82	$15.26	$524.08
$35,001-$36,000	$503.70	$7.56	$7.56	$518.82	$15.56	$534.38
$36,001-$37,000	$513.40	$7.70	$7.70	$528.80	$15.86	$544.66
$37,001-$38,000	$523.10	$7.85	$7.85	$538.80	$16.16	$554.96
$38,001-$39,000	$532.80	$7.99	$7.99	$548.78	$16.46	$565.24
$39,001-$40,000	$542.50	$8.14	$8.14	$558.78	$16.76	$575.54

Mandatory Duct Inspection Certification for HVAC change-out

Permit Number: _____

For use when part of the duct and/or HVAC system has been replaced (Section 101.4.7.1.1 & FS 553.912)

Community Development | 9220 Bonita Beach Road, Suite 111 | Bonita Springs, FL 34135 | Phone: +1 239 444 6150 | Fax: +1 239 444 6140

I _____, certify that I have inspected the duct work associated with the HVAC unit referenced by the permit listed above and found it complies with the requirements of Section 101.4.7.1.1 as indicated below:

- ☐ Where needed, the existing ducts have been sealed using reinforced mastic or code-approved equivalent.
- ☐ Ducts are located within conditioned space. (Section 101.4.7.1.1 exception 1)
- ☐ The joints or seams are already sealed with fabric and mastic (Section 101.4.7.1.1 exception 3)
- ☐ System was tested (see below) and repairs were made as necessary – (Section 101.4.7.1.1 exception 3)

Signature_____ Date_____

Printed Name:_____ Contractor License # _____

I certified I have tested the replaced air distribution system(s) referenced by the permit listed above at a pressure differential of 25 Pascals (0.10 in. w.c.).

Signature_____ Date_____

Printed Name:_____

504 ROOF INSPECTION AFFIDAVIT
Permit Number: _____

Community Development | 9220 Bonita Beach Road, Suite 111 | Bonita Springs, FL 34135 | Phone: +1 239 444 6150 | Fax: +1 239 444 6140

I _____, OWNER/BUILDER, LICENSED CONTRACTOR, ENGINEER/ARCHITECT, FS 468 BUILDING INSPECTOR LICENSE #: _____ ON _____DAY, I HEREBY CERTIFY THE FOLLOWING.

SELECT SECTIONS THAT APPLY

Needed for all roofs

☐ Roof deck nailing and secondary water barrier (may be certified by Architect, Engineer, CGC, CBC, CRC, CCC, Building Inspector or Owner/Builder).

Needed in addition to above for ult. 160mph alt. 130 windborne Debris Region with a value greater than $300,000

☐ Additional metal connectors, clips strap fasteners and additional structure elements. (May be certified by an Architect or Engineer, CGC, CBC, CRC or Building Inspector, Not CCC or Owner/Builder).

☐ Exceptions under 201.3, Where it can be demonstrated (by code adoption date documentation and permit issuance date is after 1995) that roof-to-wall connections and/or roof-to-foundation continuous load path requirements were required at the time of original construction. Roof-to-wall connections shall not be required unless evaluation & installation of connections at gable ends or all corners can be completed for 15% of the cost of roof replacement.

…for the work located at _____.

Based upon that examination I have determined the installation was done according to the Hurricane Mitigation Retrofit Manuel (Based on 553.844 F.S.)

Under penalties of perjury, I declare that I have read the following Inspection Affidavit and that the facts stated in it are true.

Signature_____ Date_____

SOLAR TRUSS AFFIDAVIT

Community Development | 9220 Bonita Beach Road, Suite 111 | Bonita Springs, FL 34135 | Phone: +1 239 444 6150 | Fax: +1 239 444 6140

To: City of Bonita Springs Community Development

This is to certify that the roof trusses at_____ are pre-manufactured and all panels will be attached as prescribed in the FSEC-IN-24-06 * and that the proposed completed product does not exceed five (5) pounds per square foot and will be installed around and/or into the roof truss members.

Under the penalties of perjury, I declare that I have read the foregoing Roof Truss Affidavit and the facts stated in it are true.

Signature (owner/authorized agent)_____

Printed Name_____ Date: _____

* FSEC-FP-7-80 can be found at http://www.fsec.ucf.edu/en/consumer/solar_hot_water/pools/installation/index.htm

FLORIDA ENERGY CONSERVATION CODE
Air Distribution System Test Report

Owner:		Contractor name:	
Street address:		Jurisdiction:	
City:		Permit No.:	
Zip:		Final inspection date:	

Section 403.2.2.1. Duct tightness. Duct tightness shall be verified by testing to ASHRAE Standard 152.

Prescriptive is substantially leak-free (see below) Performance is Qn = as indicated on energy calculation.

☐ Ducts/air handler in conditioned space ☐ Tested by a Class 1 BERS rater (see results below)

Signature: _____ Date: _____

Printed Name: _____

Air Distribution System Leakage Test Results

Line	System	Duct Leakage
1	System 1	_____ $cfm25_{(out\ or\ tot)}$ circle test type
2	System 2	_____ $cfm25_{(out\ or\ tot)}$ circle test type
3	System 3	_____ $cfm25_{(out\ or\ tot)}$ circle test type
4	System 4	_____ $cfm25_{(out\ or\ tot)}$ circle test type
5		_____ Sum lines 1-4
6	Total House Duct System Leakage	Divide Line 5 by _____ = _____ (Qn, out or tot) (total conditioned floor area) (circle test type)

To qualify as "substantially leak free," Qn must be less than or equal to 0.03. (Section 202. SUBSTANTIALLY LEAK FREE. Distribution system air leakage to outdoors is no greater than 3 cfm per 100 square feet of conditioned floor area at a pressure differential of 25 Pascal (0.10 in. w.c.) across the entire air distribution system, including the manufacturer's air handler enclosure.)

I am a FL BERS Class 1 rater in good standing. I have tested the air distribution system(s) referenced by the permit listed above in accordance with ASHRAE Standard 152.

BERS Signature: _____ Date: ____/____/____

BERS Printed Name: _____

FL BERS Class 1 Rater Certification #: _____

The Building Energy Rating System (BERS) law can be found at FS 553.990-999. Currently certified FL BERS Class 1 raters can be found at http://securedb.fsec.ucf.edu/engauge/engauge_search_rater.

For Building Department use only:

Form received by: _____ Date: ____/____/____

Form revision date: October 5, 2011

FORM J1$_{AE}$ • ABRIDGED VERSION of MANUAL J, 8TH EDITION

Project		Design State & City					ACCA
Indoor Design Heating db	70	Outdoor 99% db	#N/A		HTD	#N/A	
Indoor Design Cooling db	75	Outdoor 1% db	#N/A		CTD	#N/A	
Indoor Design Cooling RH	50%	Grains Difference	#N/A		Daily Range	#N/A	
Latitude	#N/A	Elevation	#N/A		ACF	#N/A	Block Load

			Glass Direction	Construction Detail	Heating HTM	Cooling HTM	Net Area	Heating BTUH	Cooling BTUH
6A	Windows & Glass Doors								
6B	Skylights								
7	Wood & Metal Doors	a							
		b							
		c							
8	Above Grade Walls	a							
		b							
		c							
		d							
		e							
	Partition Walls	f							
		g							
9	Below Grade Walls	a							
		b							
10	Ceilings	a							
		b							
		c							
	Partition Ceilings	d							
		e							
11	Passive Floors	a							
		b							
	Exposed Floors	c							
	Slab (Perimeter Ft.)	d							
	Basement Floor	e							
	Partition Floors	f							
		g							

12	Infiltration	Envelope Leakage	Average	Heated & Cooled Floor Area = Sq. Ft.		Above Grade = Cu. Ft.		#N/A	#N/A
		No. of Fireplaces							
13	Internal Gains			Number of Bedrooms	3	Occupants	4		#VALUE!
			Appliance - 1200 BTUH						#VALUE!
14	Sub Totals							#N/A	#N/A
15	Duct Loss & Gain		7E-T&B SA in Attic, RA Riser in Floor to Ceiling Chase, Perimeter Supply Outlets					#N/A	#N/A
			R-Value = 6	Leakage Class .12/.24	#N/A ☑	#N/A ☑			
			Installed Square Feet of Surface or Default = 1	Supply	1	Return	1		
16	Ventilation	Combustion Air From Conditioned Space ☐ Furnace ☐ Water Heater			None			#N/A	#N/A
19	Blower Heat Gain	Manufacturer's performance data has no blower heat discount							1707
20	Total Sensible Loss or Gain							#N/A	#N/A

Enter Company Name Here
Enter Company Address Here
Enter Company City, State and Zip Code Here
Enter Company Phone Numbers Here
Enter Website or Email Address Here

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Latent Infiltration load for cooling				#N/A
Latent load for occupants				800
Latent load for plants	Small	Medium	Large	
Latent load for duct in unconditioned space				#N/A
Latent ventilation load for cooling				#N/A
Total Latent Gain				#N/A

Air Conditioning Contractors of America
Manual S (Residential Equipment Selection)

Project Information		
Name		
City		
State		
Altitude	Altitude Adj.	1.00

Design Information	
Outdoor Design Temperature - Summer	
Indoor Design Temperature - Summer	
Indoor Design %RH - Summer	50
Outdoor Design Temperature - Winter	

Proposed Equipment	Manufacturer		Furnace #		AFUE	
	Manufacturer		AHU/Coil #		SEER	
	Manufacturer		Condenser #		HSPF	
	Manufacturer		Package #			

Manual J Load	Heat Loss	Design TD For Airflow	Design CFM	Return Air (F wb)	Total BTUH	Sensible BTUH	Latent BTUH	SHR
		#DIV/0!	#DIV/0!	63				#DIV/0!

Manufacturers Performance Data (A)	Lower CFM	Return Air (F wb)	Total BTUH	Sensible BTUH	Latent BTUH	SHR
Entering Coil Temperature = 75 (F db)						
Rated CFM @ Rated RA Temperature						#DIV/0!
Rated CFM @ Desing RA Temperature		63	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rated CFM @ Rated RA Temperature						#DIV/0!

Manufacturers Performance Data (B)	Higher CFM	Return Air (F wb)	Total BTUH	Sensible BTUH	Latent BTUH	SHR
Entering Coil Temperature = 75 (F db)						
Rated CFM @ Rated RA Temperature						#DIV/0!
Rated CFM @ Desing RA Temperature		63	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rated CFM @ Rated RA Temperature						#DIV/0!

Manufacturers Cooling Performance	Design CFM	Design (F wb)	Total BTUH	Sensible BTUH	Latent BTUH	SHR
Interpolated Equipment Capacity				#DIV/0!	#DIV/0!	#DIV/0!
Excess Latent Capacity Calculation	**#DIV/0!**	**63**	**#DIV/0!**	#DIV/0!	#DIV/0!	
Capacity @ Design CFM / RA (F wb)				**#DIV/0!**	**#DIV/0!**	**#DIV/0!**
Equipment Capacity as a % of Design			#DIV/0!	#DIV/0!	#DIV/0!	

Heat Pump Data	Capacity @ 47 °F db	Capacity @ 17 °F db	Balance Point	Supplemental Heat Required	
			#DIV/0!		

Furnace Data	Input Capacity	Output Capacity	AFUE	Desired Temp. Rise	Calculated Airflow	
					#DIV/0!	

Manual N, 5th Edition, Abridged Version • Form N1

Project Name		Heating Design 99% DB	22	Heating Design Space DB	70	Heating Temp. Difference	48
Design State	Alabama	Cooling Design 1% DB	93	Cooling Design Space DB	75	Cooling Temp. Difference	18
Design City	Alexander City	Coincident Wet Bulb	76	Rel Hum Design Space %	50	Design Grains Difference	46
Type of Load		Elevation	686	Latitude	33	Daily Range	M
Square Feet	AG Volume	Altitude Correction Factor	0.99	Design Month	Jul & Aug	Design Hour of Day	3:00 PM

Type of Exposure		Construction Number & Description	Panel Faces	HTM Heating	HTM Cooling	Net Area or Length	Btuh Heating	Btuh Clg Sensible	Btuh Clg Latent
▶ Lookup	a								
Windows & Glass Doors	b								
	c								
	d								
	e								
	f								
	g								
	h								
▶ Lookup	a								
Skylights	b								
	c								
	d								
	e								
▶ Lookup	a								
Wood & Metal Doors	b								
	c								
▶ Lookup	a								
Above Grade Walls	b								
	c								
	d								
	e								
	f								
	g								
	h								
Partition Walls	p1								
	p2								
▶ Lookup	a								
Ceilings	b								
	c								
▶ Lookup	a								
Floors	b								
	c								
	d								
	e								
	f								
▶ Lookup	a	Lighting Fixtures							
Internal	b	Occupants & Plants							
	c	Office Equipment							
	d	Food Service Equipment and Investigated Loads							
	e	Blower Heat (Building Load)							
▶ Lookup		Infiltration							
▶ Lookup		Supply Duct Load							
		Return Duct Load							
▶ Lookup		Ventilation Loads			CFM				
▶ Lookup		Blower Heat (Equipment Load)							
						Total Loads			