Florida	Energy Efficiency	Code For Building Co	onstruction
		Effective Date: March 15, 20 ce Method for Commercial Bu	
	PROJI	ECT SUMMARY	
Short Desc: Owner:	RefProj Enter Owner's name here	Description:	New Project
	1234 Any Street	City:	Anywhere
	Enter Address here	State:	FL
		Zip:	12345
Туре:	Office	Class:	New Finished building
Jurisdiction:	ALACHUA COUNTY, ALA	CHUA COUNTY, FL (111000)	
Conditioned Area:	10000 SF C	onditioned & UnConditioned Area:	10000 SF
No of Stories:	1	Area entered from Plans	0 SF
Permit No:	0	Max Tonnage	50
		If different, write in:	

Compliance Summary							
Component	Design	Criteria	Result				
Gross Energy Cost (in \$)	5,005.0	8,885.0	PASSED				
LIGHTING CONTROLS			PASSES				
EXTERNAL LIGHTING HVAC SYSTEM			FAILS FAILS				
PLANT			None Entered				
WATER HEATING SYSTEMS PIPING SYSTEMS			FAILS FAILS				
Met all required compliance from Check List?			FAILS Yes/No/NA				
IMPORTANT MESSAGE							
Info 5009 An input report of this design Compliance Report	building must	de submitted	i along with this				

	CERTIFICATIONS	
I hereby certify that the plans and Florida Energy Code	d specifications covered by this calculation are in co	ompliance with the
Prepared By: Jo	bhn Doe Building Official:	
Date:	Date:	
I certify that this building is in cor	mpliance with the FLorida Energy Efficiency Code	
Owner Agent:	Date:	
If Required by Florida law, I here Energy Efficiency Code	eby certify (*) that the system design is in complianc	e with the Florida
Architect:	Reg No:	
Electrical Designer:	Reg No:	
Lighting Designer:	Reg No:	
Mechanical Designer:	Reg No:	
Plumbing Designer:	Reg No:	
(*) Signature is required where I professionals.	Florida Law requires design to be performed by reg	istered design

Dunc	ling End Uses	
	1) Proposed	2) Baseline
	1)11000304	2) Duschine
al	347.80	744.30
	\$5,005	\$11,107
ELECTRICITY(MBtu/kWh/\$)	301.00	677.00
	88193 <i>\$4,771</i>	198349 <i>\$10,770</i>
AREA LIGHTS	15.70	146.30
	4594	42873
	\$249	\$2,328
MISC EQUIPMT	100.00	100.00
	29302 ¢1.595	29302 ¢1.501
	\$1,585	\$1,591
PUMPS & MISC	0.20	0.20
	45 \$2	45 ¢2
	\$2	\$2
SPACE COOL	131.50	274.50
	38539 \$2.085	80428 \$4 367
	\$2,085	\$4,367
VENT FANS	53.60	156.00
	15713	45701
	\$850	\$2,482
NATURAL-GAS(MBtu/therm/\$	46.80	67.30
)	468	673
	\$234	\$337
SPACE HEAT	46.80	67.30
	468	673
	\$234	\$337

WEA File: FL_GAINESVILLE_REGIONAL_AP.tm3) External Lighting Compliance								
Description	Category	Tradable?		Area or Length or No. of Units (Sqft or ft)		CLP (W)		
Ext Light 1	Uncovered Parking Areas Parking lots and Drives	s Yes	0.15	1,000.0	150	4		
Ext Light 2 Ext Light 3	Internally illuminated exi Uncovered Parking Areas	0	5.00 0.15	8.0	40	3		
All External Lig Complicance ch	Parking lots and Drives ces: 40 (W) Allowance for ghting: 75 (W) eck includes a 5% excess a oes not meet control requin	allowance o	f 9.50 (W)	<3>	FA	AILS		
All External Li Complicance ch Ext Light 3 D Project: RefProj Citle: New Project Cype: Office	ces: 40 (W) Allowance for ghting: 75 (W) eck includes a 5% excess a	allowance o rements of	f 9.50 (W)	<3>	FA	JILS		
All External Li Complicance ch Ext Light 3 D Project: RefProj Citle: New Project Cype: Office	ces: 40 (W) Allowance for ghting: 75 (W) eck includes a 5% excess a oes not meet control requir	allowance of rements of '	f 9.50(W) <u>Type: <2></u>		FA	ILS		
All External Li Complicance ch Ext Light 3 D Project: RefProj Citle: New Project Cype: Office	ces: 40 (W) Allowance for ghting: 75 (W) eck includes a 5% excess a oes not meet control requir	allowance of rements of .tm3) ntrols Cor	f 9.50(W) <u>Type: <2></u>		Min C	ILS		

Project: RefProj Title: New Projec	t						
Type: Office	GAINESVILLE_REGIONA						
	Sys	stem Repo	ort Con	nplianc	е		
Pr0Sy2 S	ystem 2		Cons Syste	tant Volum m	ne Packag	ged No	of Units 1
Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Comp- liance
Cooling System	Air Conditioners Air Coo 240000 to 760000 Btu/h Cooling Capacity	oled	15.00	9.30		9.50	FAILS
Heating System	Warm Air Gas Furnace > 225000 Btu/h	>=	95.00	80.00			PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume		0.50	0.90			PASSES
						FAILS	5
	Ι	Plant Comp	liance				
Description		esign Min Eff Eff	Design IPLV	Min C IPLV	ategory		Comj liance
						None	
Project: RefProj Title: New Projec Type: Office (WEA File: FL_G	AINESVILLE_REGIONA			L			
Title: New Projec Type: Office	AINESVILLE_REGIONA	L_AP.tm3) er Heater Co	omplia	nce			
Title: New Projec Type: Office	AINESVILLE_REGIONA		De	nce esign Min Eff Eff	Design Loss	Max Com Loss liand	
Fitle: New Projec Type: Office (WEA File: FL_G	AINESVILLE_REGIONA Wate	er Heater C	De	esign Min	Loss	Max Com	e e
Title: New Projec Type: Office (WEA File: FL_G Description	AINESVILLE_REGIONA Wate Type	er Heater Co Category	De	esign Min Eff Eff	Loss	Max Com Loss liand	že LS

Project: RefProj Title: New Project Type: Office (WEA File: FL_GAINESVILLE_REGIONAL_AP.tm3) Piping System Compliance							
Category	Pipe Dia [inches]	Is Runout?	• 0	Ins Cond [Btu-in/hr .SF.F]	Ins Thick [in]	-	Compliance
Heating System (Steam, Steam Condensate, & Hot Water)	0.25	False	105.00	0.28	0.00	0.50	FAILS
					F	TAILS	

Category	Section	Requirement (write N/A in box if not applicable)	Check
Report	506.4.2	Input Report Print-Out from EnergyGauge FlaCom attached	
Operations Manual	303.3.1, 503.2.9.3, 505.7.4.2	Operations manual provided to owner	
Windows & Doors	502.3.2	Glazed swinging entrance & revolving doors: max. 1.0 cfm/ft ² ; all other products: 0.3 cfm/ft ²	
Joints/Cracks	502.3.3	To be caulked, gasketed, weather-stripped or otherwise sealed	
Dropped Ceiling Cavity	502.3	Vented: seal & insulated ceiling. Unvented seal & insulate roof & side walls	
HVAC Efficiency	503.2.3	Minimum efficiencies: Tables 503.2.3(1)-(8)	
HVAC Controls	503.2.4	Zone controls prevent reheat (exceptions); separate thermostatic control per zone;	
Ventilation	503.2.5	Outdoor air supply & exhaust ducts shall have dampers that automatically shut when systems or spaces served are not in use. Exhaust air energy recovery required for cooling systems (Exceptions).	
ADS	503.2.7.5	Duct sizing and Design have been performed	
HVAC Ducts	503.2.7	Air ducts, fittings, mechanical equipment & plenum chambers shall be mechanically attached, sealed, insulated & installed per Table 503.2.7.2. Fan power limitations.	
Balancing	503.2.9.1	HVAC distribution system(s) tested & balanced. Report in construction documents.	
Piping Insulation	503.2.8	HAC and service hot water. In accordance with Table 503.2.8.	
Water Heaters	504	Performance requirements in accordance with Table 504.2. Heat trap required.	
Swimming Pools	504.7	Vapor-retardant or liquid cover or other means proven to reduce heat loss on heated pools; Time switch (exceptions); readily accessible on/off switch.	
Motors	505.7.5	Motor efficiency criteria have been met	
Lighting Controls	505.2, 502.3	Automatic control required for interior lighting in buildings >5,000 s.f.; Space control; Exterior photo sensor; Tandom wiring with 1 or 3 linear fluorescent lamps>30W	

Other Required Compliance