

Florida Energy Efficiency Code For Building Construction
Florida Department of Community Affairs
FLA/COM 2004 v2.5 -- Form 400A-2004
Method A: Whole Building Performance Method for Commercial Buildings

PROJECT SUMMARY

Short Desc: lelybarefoot

Description: Lely Barefoot Beach Guard I

Owner:

Address1:

City: Naples

Address2:

State: FL

Zip: 0

Type: Office

Class: New Finished building

Jurisdiction: COLLIER COUNTY, COLLIER COUNTY, FL (211000)

Cond Area: 256 SF

Cond & UnCond Area: 256 SF

No of Storeys: 1

Area entered from Plans 256 SF

Permit No: 0

Max Tonnage 2

If different, write in: _____

Compliance Summary

Component	Design	Criteria	Result
Gross Energy Use	640.7	675.2	PASSES
LIGHTING CONTROLS			PASSES
EXTERNAL LIGHTING			PASSES
HVAC SYSTEM			PASSES
PLANT			None Entered
WATER HEATING SYSTEMS			None Entered
PIPING SYSTEMS			None Entered
Met all required compliance from Check List?			Yes/No/NA

IMPORTANT NOTE: An input report of this design building must be submitted along with this Compliance Report.

CERTIFICATIONS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code

Prepared By: _____

Building Official: _____

Date: _____

Date: _____

I certify that this building is in compliance with the FLorida Energy Efficiency Code

Owner Agent: _____

Date: _____

If Required by Florida law, I hereby certify (*) that the system design is in compliance with the FLorida Energy Efficiency Code

Architect: _____

Reg No: _____

Electrical Designer: _____

Reg No: _____

Lighting Designer: _____

Reg No: _____

Mechanical Designer: Joesph C. Kosinski

Reg No: PE52288

Plumbing Designer: _____

Reg No: _____

(*) Signature is required where Florida Law requires design to be performed by registered design professionals. Typed names and registration numbers may be used where all relevant information is contained on signed/sealed plans.

Project: lelybarefoot
Title: Lely Barefoot Beach Guard House
Type: Office
(WEA File: Keywest.tmy)

Building End Uses

	Design	Reference
Total	<i>95.48</i>	<i>100.00</i>
	<i>\$641</i>	<i>\$675</i>
ELECTRICITY(MBtu/k Wh/\$)	<i>95.48</i> <i>13023</i> <i>\$641</i>	<i>100.00</i> <i>13640</i> <i>\$675</i>
AREA LIGHTS	<i>7.53</i> <i>1029</i> <i>\$51</i>	<i>6.02</i> <i>832</i> <i>\$41</i>
MISC EQUIPMT	<i>3.44</i> <i>462</i> <i>\$23</i>	<i>3.44</i> <i>462</i> <i>\$23</i>
SPACE COOL	<i>43.44</i> <i>5923</i> <i>\$291</i>	<i>43.87</i> <i>5980</i> <i>\$296</i>
SPACE HEAT	<i>3</i> <i>\$0</i>	<i>0.43</i> <i>58</i> <i>\$3</i>
VENT FANS	<i>41.08</i> <i>5606</i> <i>\$276</i>	<i>46.24</i> <i>6308</i> <i>\$312</i>

Credits & Penalties (if any): Modified Points: = 95.49

PASSES

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External Lighting Compliance

Description	Category	Allowance (W/Unit)	Area or Length or No. of Units (Sqft or ft)	ELPA (W)	CLP (W)
Ext Light 1	Entrances and gatehouse inspection stations	1.25	330.0	413	100
Ext Light 2	Canopies (freestanding, attached and Overhangs)	1.25	139.0	174	75

Design: 150 (W)
Allowance: 173.75 (W)

PASSES

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Lighting Controls Compliance

Acronym	Ashrae ID	Description	Area (sq.ft)	No. of Tasks	Design CP	Min CP	Compliance
Toilet	6	Toilet and Washroom	49	1	1	1	PASSES
Front Area	16	Office - Open Plan	207	1	1	1	PASSES

PASSES

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System Report Compliance

Pr0Sy1	System 1	Constant Volume Air Cooled Split System < 65000 Btu/hr				No. of Units	
Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Cooled < 65000 Btu/h Cooling Capacity		13.00	13.00	8.00		PASSES
Heating System	Electric Furnace		1.00	1.00			PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume		0.80	0.90			PASSES
Air Distribution System	ADS System		6.00	4.20			PASSES

PASSES

Plant Compliance								
Description	Installed No	Size	Design Eff	Min Eff	Design IPLV	Min IPLV	Category	Compliance
								None

Water Heater Compliance								
Description	Type	Category	Design Eff	Min Eff	Design Loss	Max Loss	Compliance	
								None

Piping System Compliance								
Category	Pipe Dia [inches]	Is Runout?	Operating Temp [F]	Ins Cond [Btu-in/hr .SF.F]	Ins Thick [in]	Req Ins Thick [in]	Compliance	
								None

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Other Required Compliance

Category	Section	Requirement (write N/A in box if not applicable)	Check
Infiltration	406.1	Infiltration Criteria have been met	<input type="checkbox"/>
System	407.1	HVAC Load sizing has been performed	<input type="checkbox"/>
Ventilation	409.1	Ventilation criteria have been met	<input type="checkbox"/>
ADS	410.1	Duct sizing and Design have been performed	<input type="checkbox"/>
T & B	410.1	Testing and Balancing will be performed	<input type="checkbox"/>
Motors	414.1	Motor efficiency criteria have been met	<input type="checkbox"/>
Lighting	415.1	Lighting criteria have been met	<input type="checkbox"/>
O & M	102.1	Operation/maintenance manual will be provided to owner	<input type="checkbox"/>
Roof/Ceil	404.1	R-19 for Roof Deck with supply plenums beneath it	<input type="checkbox"/>
Report	101	Input Report Print-Out from EnergyGauge FlaCom attached?	<input type="checkbox"/>