

# Florida Building Code, Fifth Edition (2014) - Energy Conservation

EnergyGauge Summit® Fla/Com-2015, Effective Date: June 30, 2015 -- Form 506-2014  
ASHRAE 90.1-2010 - Energy Cost Budget Option

## Check List

Applications for compliance with the Florida Building Code, Energy Conservation shall include:

- This Checklist
- An Input report generated from the software just after completing compliance calculations without any further changes
- The full compliance report generated by the software that contains the project summary, compliance summary, certifications and detailed component compliance reports
- Boxes appropriately checked in the Miscellaneous report generated by the software at the end of the compliance report

## PROJECT SUMMARY

**Short Desc:** Building B1 CZ1 Ret

**Description:** TAM Building B1

**Owner:** Enter Owner's name here

**Address1:** Enter Address here

**City:** Enter city here

**Address2:** Enter Address here

**State:** Enter state here

**Zip:** 0

**Type:** Retail

**Class:** New Finished building

**Jurisdiction:** MIAMI, MIAMI-DADE COUNTY, FL (232400)

**Conditioned Area:** 40000 SF

**Conditioned & UnConditioned Area:** 40000 SF

**No of Stories:** 1

**Area entered from Plans** 0 SF

**Permit No:** 0

**Max Tonnage** 158.2

**If different, write in:** \_\_\_\_\_

## Compliance Summary

Component	Design	Criteria	Result
Gross Energy Cost (in \$)	82,250.0	62,704.0	<b>FAILED</b>
LIGHTING CONTROLS			<b>PASSES</b>
EXTERNAL LIGHTING			<b>PASSES</b>
HVAC SYSTEM			<b>FAILS</b>
PLANT			<b>No Entry</b>
WATER HEATING SYSTEMS			<b>PASSES</b>
PIPING SYSTEMS			<b>No Entry</b>
Met all required compliance from Check List?			<b>Yes/No/NA</b>

### IMPORTANT MESSAGE

Info 5009 -- -- -- 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: \_\_\_\_\_

Reg No: \_\_\_\_\_

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: Building B1 CZ1 Ret  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: Miami.tmy)

**Building End Uses**

	1) Proposed	2) Baseline
<b>Total</b>	<b>5,357.20</b>	<b>4,091.90</b>
	<b>\$82,250</b>	<b>\$62,704</b>
ELECTRICITY(MBtu/kWh/\$)	5,357.20	4,091.90
	1569657	1198935
	<b>\$82,250</b>	<b>\$62,704</b>
AREA LIGHTS	1,401.30	1,032.50
	410567	302527
	<b>\$21,514</b>	<b>\$15,822</b>
MISC EQUIPMT	585.50	585.50
	171550	171550
	<b>\$8,989</b>	<b>\$8,972</b>
PUMPS & MISC	0.00	0.00
	6	1
	<b>\$0</b>	<b>\$0</b>
SPACE COOL	1,832.10	1,647.60
	536813	482737
	<b>\$28,129</b>	<b>\$25,247</b>
SPACE HEAT	8.80	0.40
	2577	130
	<b>\$135</b>	<b>\$7</b>
VENT FANS	1,529.50	825.90
	448144	241990
	<b>\$23,483</b>	<b>\$12,656</b>

Credits Applied: None

Passing Criteria = 62704

Design (including any credits) = 82250

Passing requires Proposed Building cost to be at most 100% of Baseline cost. This Proposed Building is at 131.2%

<b>FAILS</b>
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Project: Building B1 CZ1 Ret  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: Miami.tmy)

### External Lighting Compliance

Description	Category	Tradable?	Allowance (W/Unit)	Area or Length or No. of Units (Sqft or ft)	ELPA (W)	CLP (W)
Ext Light 1	Walk way less than 10 feet wide	Yes	1.00	200.0	200	

Tradable Surfaces: 0 (W) Allowance for Tradable: 210 (W)

**PASSES**

All External Lighting: 0 (W)

Compliance check includes a excess/Base allowance of 10.00(W)

Project: Building B1 CZ1 Ret  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: Miami.tmy)

### Lighting Controls Compliance

Acronym	Ashrae ID	Description	Area (sq.ft)	Design CP	Min CP	Compli- ance
Interior	25,001	Sales Area	28,900	3	3	PASSES
Pr0Zo2Sp1	25,001	Sales Area	2,775	2	2	PASSES
Pr0Zo3Sp1	25,001	Sales Area	2,775	2	2	PASSES
Pr0Zo4Sp1	25,001	Sales Area	2,775	2	2	PASSES
Pr0Zo5Sp1	25,001	Sales Area	2,775	2	2	PASSES

**PASSES**

Project: Building B1 CZ1 Ret  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: Miami.tmy)

### System Report Compliance

**Pr0Sy1      System 1      Constant Volume Packaged System--902      No. of Units 1**

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Conditioners Air Cooled > 760000 Btu/h Cooling Capacity	1898474	12.80	9.50	9.80	9.80	PASSES
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	3039570	3.50	3.20			PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	56288	0.80	0.82			PASSES

**Pr0Sy2      System 2      Constant Volume Packaged System--902      No. of Units 1**

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Conditioners Air Cooled 135000 to 240000 Btu/h Clg Capacity	146348	12.80	10.60	10.70	10.70	PASSES
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	215490	3.50	3.20			PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	3991	0.80	0.82			PASSES

**Pr0Sy3      System 3      Constant Volume Packaged System--902      No. of Units 1**

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Conditioners Air Cooled 135000 to 240000 Btu/h Clg Capacity	233934	12.80	10.60	10.70	10.70	PASSES
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	392580	3.50	3.20			PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	7270	0.80	0.82			PASSES

<b>Pr0Sy4</b>		<b>System 4</b>		<b>Constant Volume Packaged System</b>			<b>No. of Units</b>	
							<b>1</b>	
<b>Component</b>	<b>Category</b>	<b>Capacity</b>	<b>Design Eff</b>	<b>Eff Criteria</b>	<b>Design IPLV</b>	<b>IPLV Criteria</b>	<b>Compliance</b>	
Cooling System	Air Conditioners Air Cooled 135000 to 240000 Btu/h Clg Capacity	212905	12.80	10.60	10.70	10.70	<b>PASSES</b>	
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	354360	3.00	3.20			<b>FAILS</b>	
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	6562	0.80	0.82			<b>PASSES</b>	
<b>Pr0Sy5</b>		<b>System 5</b>		<b>Constant Volume Packaged System</b>			<b>No. of Units</b>	
							<b>1</b>	
<b>Component</b>	<b>Category</b>	<b>Capacity</b>	<b>Design Eff</b>	<b>Eff Criteria</b>	<b>Design IPLV</b>	<b>IPLV Criteria</b>	<b>Compliance</b>	
Cooling System	Air Conditioners Air Cooled 240000 to 760000 Btu/h Cooling Capacity	689165	8.90	9.50	8.00	9.60	<b>FAILS</b>	
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	861616	3.50	3.20			<b>PASSES</b>	
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	13056	0.80	0.82			<b>PASSES</b>	
<b>FAILS</b>								

<b>Plant Compliance</b>								
<b>Description</b>	<b>Installed No</b>	<b>Size</b>	<b>Design Eff</b>	<b>Min Eff</b>	<b>Design IPLV</b>	<b>Min IPLV</b>	<b>Category</b>	<b>Compliance</b>
<b>None</b>								

Project: Building B1 CZ1 Ret  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: Miami.tmy)

### Water Heater Compliance

Description	Type	Category	Design Eff	Min Eff	Design Loss	Max Loss	Compliance
Water Heater 1	Electric water heater	<= 12 [kW]	0.86	0.86			PASSES
<b>PASSES</b>							

### 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
<b>None</b>							

Project: Building B1 CZ1 Ret  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: Miami.tmy)

### Other Required Compliance

Category	Section	Requirement (write N/A in box if not applicable)	Check
			<input type="checkbox"/>

**Project: Building B1 CZ1 Ret**



# Florida Building Code, Fifth Edition (2014) - Energy Conservation

EnergyGauge Summit® Fla/Com-2015, Effective Date: June 30, 2015 -- Form 506-2014  
IECC 2012 - Total Building Performance Compliance Option

## Check List

Applications for compliance with the Florida Building Code, Energy Conservation shall include:

- This Checklist
- An Input report generated from the software just after completing compliance calculations without any further changes
- The full compliance report generated by the software that contains the project summary, compliance summary, certifications and detailed component compliance reports
- Boxes appropriately checked in the Miscellaneous report generated by the software at the end of the compliance report

## PROJECT SUMMARY

**Short Desc:** Building B1 CZ1 Ret

**Description:** TAM Building B1

**Owner:** Enter Owner's name here

**Address1:** Enter Address here

**City:** Enter city here

**Address2:** Enter Address here

**State:** Enter state here

**Zip:** 0

**Type:** Retail

**Class:** New Finished building

**Jurisdiction:** MIAMI, MIAMI-DADE COUNTY, FL (232400)

**Conditioned Area:** 40000 SF

**Conditioned & UnConditioned Area:** 40000 SF

**No of Stories:** 1

**Area entered from Plans** 0 SF

**Permit No:** 0

**Max Tonnage** 158.2

**If different, write in:** \_\_\_\_\_

## Compliance Summary

Component	Design	Criteria	Result
Gross Energy Cost (in \$)	77,663.0	51,960.0	<b>FAILED</b>
LIGHTING CONTROLS			<b>PASSES</b>
EXTERNAL LIGHTING			<b>PASSES</b>
HVAC SYSTEM			<b>FAILS</b>
PLANT			<b>No Entry</b>
WATER HEATING SYSTEMS			<b>PASSES</b>
PIPING SYSTEMS			<b>No Entry</b>
Met all required compliance from Check List?			<b>Yes/No/NA</b>

### IMPORTANT MESSAGE

Info 5009 -- -- -- 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: \_\_\_\_\_

Reg No: \_\_\_\_\_

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: Building B1 CZ1 Ret  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: Miami.tmy)

**Building End Uses**

	1) Proposed	2) Baseline
<b>Total</b>	<b>5,068.10</b>	<b>3,996.80</b>
	<b>\$77,663</b>	<b>\$61,129</b>
<b>ELECTRICITY(MBtu/kWh/\$)</b>	<b>5,068.10</b>	<b>3,996.80</b>
	<b>1484947</b>	<b>1171061</b>
	<b>\$77,663</b>	<b>\$61,129</b>
<b>AREA LIGHTS</b>	<b>1,401.30</b>	<b>1,032.50</b>
	<b>410567</b>	<b>302527</b>
	<b>\$21,473</b>	<b>\$15,792</b>
<b>MISC EQUIPMT</b>	<b>585.50</b>	<b>585.50</b>
	<b>171550</b>	<b>171550</b>
	<b>\$8,972</b>	<b>\$8,955</b>
<b>PUMPS &amp; MISC</b>	<b>0.00</b>	<b>0.00</b>
	<b>8</b>	<b>0</b>
	<b>\$0</b>	<b>\$0</b>
<b>SPACE COOL</b>	<b>1,692.10</b>	<b>1,609.40</b>
	<b>495773</b>	<b>471549</b>
	<b>\$25,929</b>	<b>\$24,615</b>
<b>SPACE HEAT</b>	<b>10.10</b>	<b>0.00</b>
	<b>2970</b>	<b>0</b>
	<b>\$155</b>	<b>\$0</b>
<b>VENT FANS</b>	<b>1,379.10</b>	<b>769.40</b>
	<b>404079</b>	<b>225435</b>
	<b>\$21,133</b>	<b>\$11,768</b>

Credits Applied: None  
 Passing Criteria = 51960  
 Design (including any credits) = 77663  
 Passing requires Proposed Building cost to be at most 85% of  
 Baseline cost. This Proposed Building is at 127%

**FAILS**

Project: Building B1 CZ1 Ret  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: Miami.tmy)

### External Lighting Compliance

Description	Category	Tradable?	Allowance (W/Unit)	Area or Length or No. of Units (Sqft or ft)	ELPA (W)	CLP (W)
Ext Light 1	Walk way less than 10 feet wide	Yes	1.00	200.0	200	

Tradable Surfaces: 0 (W) Allowance for Tradable: 210 (W)

**PASSES**

All External Lighting: 0 (W)

Compliance check includes a excess/Base allowance of 10.00(W)

Project: Building B1 CZ1 Ret  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: Miami.tmy)

### Lighting Controls Compliance

Acronym	Ashrae ID	Description	Area (sq.ft)	Design CP	Min CP	Compli- ance
Interior	25,001	Sales Area	28,900	3	3	PASSES
Pr0Zo2Sp1	25,001	Sales Area	2,775	2	2	PASSES
Pr0Zo3Sp1	25,001	Sales Area	2,775	2	2	PASSES
Pr0Zo4Sp1	25,001	Sales Area	2,775	2	2	PASSES
Pr0Zo5Sp1	25,001	Sales Area	2,775	2	2	PASSES

**PASSES**

Project: Building B1 CZ1 Ret  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: Miami.tmy)

### System Report Compliance

**Pr0Sy1      System 1      Constant Volume Packaged System--902      No. of Units 1**

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Conditioners Air Cooled > 760000 Btu/h Cooling Capacity	1898474	12.80	9.50	9.80	9.80	PASSES
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	3039570	3.50	3.20			PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	56288	0.80	0.82			PASSES

**Pr0Sy2      System 2      Constant Volume Packaged System--902      No. of Units 1**

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Conditioners Air Cooled 135000 to 240000 Btu/h Clg Capacity	146348	12.80	10.60	10.70	10.70	PASSES
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	215490	3.50	3.20			PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	3991	0.80	0.82			PASSES

**Pr0Sy3      System 3      Constant Volume Packaged System--902      No. of Units 1**

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Conditioners Air Cooled 135000 to 240000 Btu/h Clg Capacity	233934	12.80	10.60	10.70	10.70	PASSES
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	392580	3.50	3.20			PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	7270	0.80	0.82			PASSES

Pr0Sy4		System 4		Constant Volume Packaged System			No. of Units 1	
Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance	
Cooling System	Air Conditioners Air Cooled 135000 to 240000 Btu/h Clg Capacity	212905	12.80	10.60	10.70	10.70	PASSES	
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	354360	3.00	3.20			FAILS	
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	6562	0.80	0.82			PASSES	
Pr0Sy5		System 5		Constant Volume Packaged System			No. of Units 1	
Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance	
Cooling System	Air Conditioners Air Cooled 240000 to 760000 Btu/h Cooling Capacity	689165	8.90	9.50	8.00	9.60	FAILS	
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	861616	3.50	3.20			PASSES	
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	13056	0.80	0.82			PASSES	
<b>FAILS</b>								

Plant Compliance								
Description	Installed No	Size	Design Eff	Min Eff	Design IPLV	Min IPLV	Category	Compliance
<b>None</b>								

Project: Building B1 CZ1 Ret  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: Miami.tmy)

### Water Heater Compliance

Description	Type	Category	Design Eff	Min Eff	Design Loss	Max Loss	Compliance
Water Heater 1	Electric water heater	<= 12 [kW]	0.86	0.86			PASSES
<b>PASSES</b>							

### 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
<b>None</b>							

Project: Building B1 CZ1 Ret  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: Miami.tmy)

### Other Required Compliance

Category	Section	Requirement (write N/A in box if not applicable)	Check
			<input type="checkbox"/>

**Project: Building B1 CZ1 Ret**



# DOE Based Sizing

## PROJECT SUMMARY

**Short Desc:** Building B1

**Owner:** Enter Owner's name here

**Address1:** Enter Address here

**Address2:** Enter Address here

**Type:** Retail

**Weather File:** FL\_MIAMI.TMY

**Conditioned Area:** 64975 SF

**No of Stories:** 1

**Permit No:** 0

**Description:** TAM Building B1

**City:** Enter city here

**State:** Enter state here

**Zip:** 0

**Class:** New Finished building

**Conditioned & UnConditioned Area:** 64975 SF

**Area entered from Plans** 0 SF

**Max Tonnage** 0

**If different, write in:** \_\_\_\_\_

## CERTIFICATIONS

I hereby certify that the plans and specifications covered by this calculation are in compliance as required by the authority of jurisdiction

Prepared By: \_\_\_\_\_

Building Official: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

I certify that this building is in compliance as required by the authority of jurisdiction

Owner Agent: \_\_\_\_\_

Date: \_\_\_\_\_

If required by law, I hereby certify (\*) that the system design is in compliance as required by the authority of jurisdiction

Architect: \_\_\_\_\_

Reg No: \_\_\_\_\_

Electrical Designer: \_\_\_\_\_

Reg No: \_\_\_\_\_

Lighting Designer: \_\_\_\_\_

Reg No: \_\_\_\_\_

Mechanical Designer: \_\_\_\_\_

Reg No: \_\_\_\_\_

Plumbing Designer: \_\_\_\_\_

Reg No: \_\_\_\_\_

(\*) Signature may be required when 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.

**DOE 2.1 E Based Sized Parameters (Beta Feature)**

<u>IdSystem</u>	<u>System Name</u>	<u>System Type</u>		
1	<b>Pr0Sy1</b>	System 1		
	<u>Component</u>	<u>Sized Value</u>	<u>Units</u>	
	Cooling System	1898474	BTU/HR	
	Heating System	3039570	Btu/h	
	Air Handling System -Supply	56288	CFM	
2	<b>Pr0Sy2</b>	System 2		
	<u>Component</u>	<u>Sized Value</u>	<u>Units</u>	
	Cooling System	146348	BTU/HR	
	Heating System	215490	Btu/h	
	Air Handling System -Supply	3991	CFM	
3	<b>Pr0Sy3</b>	System 3		
	<u>Component</u>	<u>Sized Value</u>	<u>Units</u>	
	Cooling System	233934	BTU/HR	
	Heating System	392580	Btu/h	
	Air Handling System -Supply	7270	CFM	
4	<b>Pr0Sy4</b>	System 4		
	<u>Component</u>	<u>Sized Value</u>	<u>Units</u>	
	Cooling System	212905	BTU/HR	
	Heating System	354360	Btu/h	
	Air Handling System -Supply	6562	CFM	
5	<b>Pr0Sy5</b>	System 5		
	<u>Component</u>	<u>Sized Value</u>	<u>Units</u>	
	Cooling System	689165	BTU/HR	
	Heating System	861616	Btu/h	
	Air Handling System -Supply	13056	CFM	

# Florida Building Code, Fifth Edition (2014) - Energy Conservation

EnergyGauge Summit® Fla/Com-2015, Effective Date: June 30, 2015 -- Form 506-2014  
ASHRAE 90.1-2010 - Energy Cost Budget Option

## Check List

Applications for compliance with the Florida Building Code, Energy Conservation shall include:

- This Checklist
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## PROJECT SUMMARY

**Short Desc:** Building B1 CZ1 Sup

**Description:** TAM Building B1

**Owner:** Enter Owner's name here

**Address1:** Enter Address here

**City:** Enter city here

**Address2:** Enter Address here

**State:** Enter state here

**Zip:** 0

**Type:** Retail

**Class:** New Finished building

**Jurisdiction:** MIAMI, MIAMI-DADE COUNTY, FL (232400)

**Conditioned Area:** 40000 SF

**Conditioned & UnConditioned Area:** 40000 SF

**No of Stories:** 1

**Area entered from Plans** 0 SF

**Permit No:** 0

**Max Tonnage** 141.8

**If different, write in:** \_\_\_\_\_

## Compliance Summary

Component	Design	Criteria	Result
Gross Energy Cost (in \$)	82,250.0	62,704.0	<b>FAILED</b>
LIGHTING CONTROLS			<b>PASSES</b>
EXTERNAL LIGHTING			<b>PASSES</b>
HVAC SYSTEM			<b>FAILS</b>
PLANT			<b>No Entry</b>
WATER HEATING SYSTEMS			<b>PASSES</b>
PIPING SYSTEMS			<b>No Entry</b>
Met all required compliance from Check List?			<b>Yes/No/NA</b>

### IMPORTANT MESSAGE

Info 5009 -- -- -- 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: \_\_\_\_\_

Reg No: \_\_\_\_\_

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: Building B1 CZ1 Sup  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: Miami.tmy)

**Building End Uses**

	1) Proposed	2) Baseline
<b>Total</b>	<b>5,357.20</b>	<b>4,091.90</b>
	<b>\$82,250</b>	<b>\$62,704</b>
ELECTRICITY(MBtu/kWh/\$)	5,357.20	4,091.90
	1569657	1198935
	<b>\$82,250</b>	<b>\$62,704</b>
AREA LIGHTS	1,401.30	1,032.50
	410567	302527
	<b>\$21,514</b>	<b>\$15,822</b>
MISC EQUIPMT	585.50	585.50
	171550	171550
	<b>\$8,989</b>	<b>\$8,972</b>
PUMPS & MISC	0.00	0.00
	6	1
	<b>\$0</b>	<b>\$0</b>
SPACE COOL	1,832.10	1,647.60
	536813	482737
	<b>\$28,129</b>	<b>\$25,247</b>
SPACE HEAT	8.80	0.40
	2577	130
	<b>\$135</b>	<b>\$7</b>
VENT FANS	1,529.50	825.90
	448144	241990
	<b>\$23,483</b>	<b>\$12,656</b>

Credits Applied: None  
 Passing Criteria = 62704  
 Design (including any credits) = 82250  
 Passing requires Proposed Building cost to be at most 100% of  
 Baseline cost. This Proposed Building is at 131.2%

<b>FAILS</b>
--------------

Project: Building B1 CZ1 Sup  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: Miami.tmy)

### External Lighting Compliance

Description	Category	Tradable?	Allowance (W/Unit)	Area or Length or No. of Units (Sqft or ft)	ELPA (W)	CLP (W)
Ext Light 1	Walk way less than 10 feet wide	Yes	1.00	200.0	200	

Tradable Surfaces: 0 (W) Allowance for Tradable: 210 (W)

**PASSES**

All External Lighting: 0 (W)

Compliance check includes a excess/Base allowance of 10.00(W)

Project: Building B1 CZ1 Sup  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: Miami.tmy)

### Lighting Controls Compliance

Acronym	Ashrae ID	Description	Area (sq.ft)	Design CP	Min CP	Compli- ance
Interior	25,001	Sales Area	28,900	3	3	PASSES
Pr0Zo2Sp1	25,001	Sales Area	2,775	2	2	PASSES
Pr0Zo3Sp1	25,001	Sales Area	2,775	2	2	PASSES
Pr0Zo4Sp1	25,001	Sales Area	2,775	2	2	PASSES
Pr0Zo5Sp1	25,001	Sales Area	2,775	2	2	PASSES

**PASSES**



Project: Building B1 CZ1 Sup  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: Miami.tmy)

### System Report Compliance

**Pr0Sy1      System 1      Constant Volume Packaged System--902      No. of Units 1**

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Conditioners Air Cooled > 760000 Btu/h Cooling Capacity	1701926	12.80	9.50	9.80	9.80	PASSES
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	3036520	3.50	3.20			PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	56232	0.80	0.82			PASSES

**Pr0Sy2      System 2      Constant Volume Packaged System--902      No. of Units 1**

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Conditioners Air Cooled 65000 to 135000 Btu/h Cooling Capacity	129178	12.80	11.00	10.70	11.20	FAILS
Heating System	Heat Pumps Air Cooled (Heating Mode) 65000 to 135000 Btu/h Clg Cap	215200	3.50	3.30			PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	3985	0.80	0.82			PASSES

**Pr0Sy3      System 3      Constant Volume Packaged System--902      No. of Units 1**

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Conditioners Air Cooled 135000 to 240000 Btu/h Clg Capacity	213813	12.80	10.60	10.70	10.70	PASSES
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	392280	3.50	3.20			PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	7264	0.80	0.82			PASSES

Pr0Sy4		System 4		Constant Volume Packaged System			No. of Units 1	
Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance	
Cooling System	Air Conditioners Air Cooled 135000 to 240000 Btu/h Clg Capacity	192822	12.80	10.60	10.70	10.70	PASSES	
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	354030	3.00	3.20			FAILS	
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	6556	0.80	0.82			PASSES	
Pr0Sy5		System 5		Constant Volume Packaged System			No. of Units 1	
Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance	
Cooling System	Air Conditioners Air Cooled 240000 to 760000 Btu/h Cooling Capacity	551074	8.90	9.50	8.00	9.60	FAILS	
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	803799	3.50	3.20			PASSES	
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	12995	0.80	0.82			PASSES	
							<b>FAILS</b>	

Plant Compliance								
Description	Installed No	Size	Design Eff	Min Eff	Design IPLV	Min IPLV	Category	Compliance
								<b>None</b>

Project: Building B1 CZ1 Sup  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: Miami.tmy)

### Water Heater Compliance

Description	Type	Category	Design Eff	Min Eff	Design Loss	Max Loss	Compliance
Water Heater 1	Electric water heater	<= 12 [kW]	0.86	0.86			PASSES
<b>PASSES</b>							

### 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
<b>None</b>							

Project: Building B1 CZ1 Sup  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: Miami.tmy)

### Other Required Compliance

Category	Section	Requirement (write N/A in box if not applicable)	Check
			<input type="checkbox"/>

**Project: Building B1 CZ1 Sup**

# Florida Building Code, Fifth Edition (2014) - Energy Conservation

EnergyGauge Summit® Fla/Com-2015, Effective Date: June 30, 2015 -- Form 506-2014  
IECC 2012 - Total Building Performance Compliance Option

## Check List

Applications for compliance with the Florida Building Code, Energy Conservation shall include:

- This Checklist
- An Input report generated from the software just after completing compliance calculations without any further changes
- The full compliance report generated by the software that contains the project summary, compliance summary, certifications and detailed component compliance reports
- Boxes appropriately checked in the Miscellaneous report generated by the software at the end of the compliance report

## PROJECT SUMMARY

**Short Desc:** Building B1 CZ1 Sup

**Description:** TAM Building B1

**Owner:** Enter Owner's name here

**Address1:** Enter Address here

**City:** Enter city here

**Address2:** Enter Address here

**State:** Enter state here

**Zip:** 0

**Type:** Retail

**Class:** New Finished building

**Jurisdiction:** MIAMI, MIAMI-DADE COUNTY, FL (232400)

**Conditioned Area:** 40000 SF

**Conditioned & UnConditioned Area:** 40000 SF

**No of Stories:** 1

**Area entered from Plans** 0 SF

**Permit No:** 0

**Max Tonnage** 141.8

**If different, write in:** \_\_\_\_\_

## Compliance Summary

Component	Design	Criteria	Result
Gross Energy Cost (in \$)	77,663.0	51,960.0	<b>FAILED</b>
LIGHTING CONTROLS			<b>PASSES</b>
EXTERNAL LIGHTING			<b>PASSES</b>
HVAC SYSTEM			<b>FAILS</b>
PLANT			<b>No Entry</b>
WATER HEATING SYSTEMS			<b>PASSES</b>
PIPING SYSTEMS			<b>No Entry</b>
Met all required compliance from Check List?			<b>Yes/No/NA</b>

### IMPORTANT MESSAGE

Info 5009 -- -- -- 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: \_\_\_\_\_

Reg No: \_\_\_\_\_

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: Building B1 CZ1 Sup  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: Miami.tmy)

**Building End Uses**

	1) Proposed	2) Baseline
<b>Total</b>	<b>5,068.10</b>	<b>3,996.80</b>
	<b>\$77,663</b>	<b>\$61,129</b>
<b>ELECTRICITY(MBtu/kWh/\$)</b>	<b>5,068.10</b>	<b>3,996.80</b>
	<b>1484947</b>	<b>1171061</b>
	<b>\$77,663</b>	<b>\$61,129</b>
<b>AREA LIGHTS</b>	<b>1,401.30</b>	<b>1,032.50</b>
	<b>410567</b>	<b>302527</b>
	<b>\$21,473</b>	<b>\$15,792</b>
<b>MISC EQUIPMT</b>	<b>585.50</b>	<b>585.50</b>
	<b>171550</b>	<b>171550</b>
	<b>\$8,972</b>	<b>\$8,955</b>
<b>PUMPS &amp; MISC</b>	<b>0.00</b>	<b>0.00</b>
	<b>8</b>	<b>0</b>
	<b>\$0</b>	<b>\$0</b>
<b>SPACE COOL</b>	<b>1,692.10</b>	<b>1,609.40</b>
	<b>495773</b>	<b>471549</b>
	<b>\$25,929</b>	<b>\$24,615</b>
<b>SPACE HEAT</b>	<b>10.10</b>	<b>0.00</b>
	<b>2970</b>	<b>0</b>
	<b>\$155</b>	<b>\$0</b>
<b>VENT FANS</b>	<b>1,379.10</b>	<b>769.40</b>
	<b>404079</b>	<b>225435</b>
	<b>\$21,133</b>	<b>\$11,768</b>

Credits Applied: None  
 Passing Criteria = 51960  
 Design (including any credits) = 77663  
 Passing requires Proposed Building cost to be at most 85% of  
 Baseline cost. This Proposed Building is at 127%

**FAILS**

Project: Building B1 CZ1 Sup  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: Miami.tmy)

### External Lighting Compliance

Description	Category	Tradable?	Allowance (W/Unit)	Area or Length or No. of Units (Sqft or ft)	ELPA (W)	CLP (W)
Ext Light 1	Walk way less than 10 feet wide	Yes	1.00	200.0	200	

Tradable Surfaces: 0 (W) Allowance for Tradable: 210 (W)

**PASSES**

All External Lighting: 0 (W)

Compliance check includes a excess/Base allowance of 10.00(W)

Project: Building B1 CZ1 Sup  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: Miami.tmy)

### Lighting Controls Compliance

Acronym	Ashrae ID	Description	Area (sq.ft)	Design CP	Min CP	Compli- ance
Interior	25,001	Sales Area	28,900	3	3	PASSES
Pr0Zo2Sp1	25,001	Sales Area	2,775	2	2	PASSES
Pr0Zo3Sp1	25,001	Sales Area	2,775	2	2	PASSES
Pr0Zo4Sp1	25,001	Sales Area	2,775	2	2	PASSES
Pr0Zo5Sp1	25,001	Sales Area	2,775	2	2	PASSES

**PASSES**



Project: Building B1 CZ1 Sup  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: Miami.tmy)

### System Report Compliance

**Pr0Sy1      System 1      Constant Volume Packaged System--902      No. of Units 1**

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Conditioners Air Cooled > 760000 Btu/h Cooling Capacity	1701926	12.80	9.50	9.80	9.80	PASSES
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	3036520	3.50	3.20			PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	56232	0.80	0.82			PASSES

**Pr0Sy2      System 2      Constant Volume Packaged System--902      No. of Units 1**

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Conditioners Air Cooled 65000 to 135000 Btu/h Cooling Capacity	129178	12.80	11.00	10.70	11.20	FAILS
Heating System	Heat Pumps Air Cooled (Heating Mode) 65000 to 135000 Btu/h Clg Cap	215200	3.50	3.30			PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	3985	0.80	0.82			PASSES

**Pr0Sy3      System 3      Constant Volume Packaged System--902      No. of Units 1**

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Conditioners Air Cooled 135000 to 240000 Btu/h Clg Capacity	213813	12.80	10.60	10.70	10.70	PASSES
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	392280	3.50	3.20			PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	7264	0.80	0.82			PASSES

<b>Pr0Sy4</b>		<b>System 4</b>		<b>Constant Volume Packaged System</b>			<b>No. of Units</b>	
							<b>1</b>	
<b>Component</b>	<b>Category</b>	<b>Capacity</b>	<b>Design Eff</b>	<b>Eff Criteria</b>	<b>Design IPLV</b>	<b>IPLV Criteria</b>	<b>Compliance</b>	
Cooling System	Air Conditioners Air Cooled 135000 to 240000 Btu/h Clg Capacity	192822	12.80	10.60	10.70	10.70	<b>PASSES</b>	
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	354030	3.00	3.20			<b>FAILS</b>	
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	6556	0.80	0.82			<b>PASSES</b>	
<b>Pr0Sy5</b>		<b>System 5</b>		<b>Constant Volume Packaged System</b>			<b>No. of Units</b>	
							<b>1</b>	
<b>Component</b>	<b>Category</b>	<b>Capacity</b>	<b>Design Eff</b>	<b>Eff Criteria</b>	<b>Design IPLV</b>	<b>IPLV Criteria</b>	<b>Compliance</b>	
Cooling System	Air Conditioners Air Cooled 240000 to 760000 Btu/h Cooling Capacity	551074	8.90	9.50	8.00	9.60	<b>FAILS</b>	
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	803799	3.50	3.20			<b>PASSES</b>	
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	12995	0.80	0.82			<b>PASSES</b>	
<b>FAILS</b>								

<b>Plant Compliance</b>								
<b>Description</b>	<b>Installed No</b>	<b>Size</b>	<b>Design Eff</b>	<b>Min Eff</b>	<b>Design IPLV</b>	<b>Min IPLV</b>	<b>Category</b>	<b>Compliance</b>
<b>None</b>								

Project: Building B1 CZ1 Sup  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: Miami.tmy)

### Water Heater Compliance

Description	Type	Category	Design Eff	Min Eff	Design Loss	Max Loss	Compliance
Water Heater 1	Electric water heater	<= 12 [kW]	0.86	0.86			PASSES
<b>PASSES</b>							

### 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
<b>None</b>							

Project: Building B1 CZ1 Sup  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: Miami.tmy)

### Other Required Compliance

Category	Section	Requirement (write N/A in box if not applicable)	Check
			<input type="checkbox"/>

**Project: Building B1 CZ1 Sup**

# DOE Based Sizing

## PROJECT SUMMARY

**Short Desc:** Building B1 CZ1 Sup

**Owner:** Enter Owner's name here

**Address1:** Enter Address here

**Address2:** Enter Address here

**Type:** Retail

**Weather File:** FL\_MIAMI.TMY

**Conditioned Area:** 64975 SF

**No of Stories:** 1

**Permit No:** 0

**Description:** TAM Building B1

**City:** Enter city here

**State:** Enter state here

**Zip:** 0

**Class:** New Finished building

**Conditioned & UnConditioned Area:** 64975 SF

**Area entered from Plans** 0 SF

**Max Tonnage** 158.2

**If different, write in:** \_\_\_\_\_

## CERTIFICATIONS

I hereby certify that the plans and specifications covered by this calculation are in compliance as required by the authority of jurisdiction

Prepared By: \_\_\_\_\_

Building Official: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

I certify that this building is in compliance as required by the authority of jurisdiction

Owner Agent: \_\_\_\_\_

Date: \_\_\_\_\_

If required by law, I hereby certify (\*) that the system design is in compliance as required by the authority of jurisdiction

Architect: \_\_\_\_\_

Reg No: \_\_\_\_\_

Electrical Designer: \_\_\_\_\_

Reg No: \_\_\_\_\_

Lighting Designer: \_\_\_\_\_

Reg No: \_\_\_\_\_

Mechanical Designer: \_\_\_\_\_

Reg No: \_\_\_\_\_

Plumbing Designer: \_\_\_\_\_

Reg No: \_\_\_\_\_

(\*) Signature may be required when 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.

**DOE 2.1 E Based Sized Parameters (Beta Feature)**

<u>IdSystem</u>	<u>System Name</u>	<u>System Type</u>		
1	<b>Pr0Sy1</b>	System 1		
	<u>Component</u>	<u>Sized Value</u>	<u>Units</u>	
	Cooling System	1701926	BTU/HR	
	Heating System	3036520	Btu/h	
	Air Handling System -Supply	56232	CFM	
2	<b>Pr0Sy2</b>	System 2		
	<u>Component</u>	<u>Sized Value</u>	<u>Units</u>	
	Cooling System	129178	BTU/HR	
	Heating System	215200	Btu/h	
	Air Handling System -Supply	3985	CFM	
3	<b>Pr0Sy3</b>	System 3		
	<u>Component</u>	<u>Sized Value</u>	<u>Units</u>	
	Cooling System	213813	BTU/HR	
	Heating System	392280	Btu/h	
	Air Handling System -Supply	7264	CFM	
4	<b>Pr0Sy4</b>	System 4		
	<u>Component</u>	<u>Sized Value</u>	<u>Units</u>	
	Cooling System	192822	BTU/HR	
	Heating System	354030	Btu/h	
	Air Handling System -Supply	6556	CFM	
5	<b>Pr0Sy5</b>	System 5		
	<u>Component</u>	<u>Sized Value</u>	<u>Units</u>	
	Cooling System	551074	BTU/HR	
	Heating System	803799	Btu/h	
	Air Handling System -Supply	12995	CFM	

# Florida Building Code, Fifth Edition (2014) - Energy Conservation

EnergyGauge Summit® Fla/Com-2015, Effective Date: June 30, 2015 -- Form 506-2014  
ASHRAE 90.1-2010 - Energy Cost Budget Option

## Check List

Applications for compliance with the Florida Building Code, Energy Conservation shall include:

- This Checklist
- An Input report generated from the software just after completing compliance calculations without any further changes
- The full compliance report generated by the software that contains the project summary, compliance summary, certifications and detailed component compliance reports
- Boxes appropriately checked in the Miscellaneous report generated by the software at the end of the compliance report

## PROJECT SUMMARY

**Short Desc:** Building B1 CZ2 Ret

**Description:** TAM Building B1

**Owner:** Enter Owner's name here

**Address1:** Enter Address here

**City:** Enter city here

**Address2:** Enter Address here

**State:** Enter state here

**Zip:** 0

**Type:** Retail

**Class:** New Finished building

**Jurisdiction:** ORLANDO, ORANGE COUNTY, FL (582100)

**Conditioned Area:** 40000 SF

**Conditioned & UnConditioned Area:** 40000 SF

**No of Stories:** 1

**Area entered from Plans** 0 SF

**Permit No:** 0

**Max Tonnage** 163.7

**If different, write in:** \_\_\_\_\_

## Compliance Summary

Component	Design	Criteria	Result
Gross Energy Cost (in \$)	78,570.0	56,555.0	<b>FAILED</b>
LIGHTING CONTROLS			<b>PASSES</b>
EXTERNAL LIGHTING			<b>PASSES</b>
HVAC SYSTEM			<b>PASSES</b>
PLANT			<b>No Entry</b>
WATER HEATING SYSTEMS			<b>PASSES</b>
PIPING SYSTEMS			<b>No Entry</b>
Met all required compliance from Check List?			<b>Yes/No/NA</b>

### IMPORTANT MESSAGE

Info 5009 -- -- -- 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: \_\_\_\_\_

Reg No: \_\_\_\_\_

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: Building B1 CZ2 Ret  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: FL\_ORLANDO\_INTL\_ARPT.tm3)

**Building End Uses**

	1) Proposed	2) Baseline
<b>Total</b>	<b>5,107.80</b>	<b>3,690.60</b>
	<b>\$78,570</b>	<b>\$56,555</b>
ELECTRICITY(MBtu/kWh/\$)	5,107.80	3,690.60
	1496576	1081351
	<b>\$78,570</b>	<b>\$56,555</b>
AREA LIGHTS	1,401.30	1,032.50
	410567	302527
	<b>\$21,555</b>	<b>\$15,822</b>
MISC EQUIPMT	585.50	585.50
	171550	171550
	<b>\$9,006</b>	<b>\$8,972</b>
PUMPS & MISC	0.20	0.00
	57	13
	<b>\$3</b>	<b>\$1</b>
SPACE COOL	1,412.40	1,273.40
	413824	373110
	<b>\$21,726</b>	<b>\$19,514</b>
SPACE HEAT	85.80	5.30
	25144	1548
	<b>\$1,320</b>	<b>\$81</b>
VENT FANS	1,622.60	793.90
	475434	232603
	<b>\$24,960</b>	<b>\$12,165</b>

Credits Applied: None  
 Passing Criteria = 56555  
 Design (including any credits) = 78570  
 Passing requires Proposed Building cost to be at most 100% of  
 Baseline cost. This Proposed Building is at 138.9%

**FAILS**

Project: Building B1 CZ2 Ret  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: FL\_ORLANDO\_INTL\_ARPT.tm3)

**External Lighting Compliance**

Description	Category	Tradable?	Allowance (W/Unit)	Area or Length or No. of Units (Sqft or ft)	ELPA (W)	CLP (W)
Ext Light 1	Walk way less than 10 feet wide	Yes	1.00	200.0	200	

Tradable Surfaces: 0 (W) Allowance for Tradable: 210 (W)

**PASSES**

All External Lighting: 0 (W)

Compliance check includes a excess/Base allowance of 10.00(W)

Project: Building B1 CZ2 Ret  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: FL\_ORLANDO\_INTL\_ARPT.tm3)

**Lighting Controls Compliance**

Acronym	Ashrae ID	Description	Area (sq.ft)	Design CP	Min CP	Compliance
Interior	25,001	Sales Area	28,900	3	3	PASSES
Pr0Zo2Sp1	25,001	Sales Area	2,775	2	2	PASSES
Pr0Zo3Sp1	25,001	Sales Area	2,775	2	2	PASSES
Pr0Zo4Sp1	25,001	Sales Area	2,775	2	2	PASSES
Pr0Zo5Sp1	25,001	Sales Area	2,775	2	2	PASSES

**PASSES**

Project: Building B1 CZ2 Ret

Title: TAM Building B1

Type: Retail

(WEA File: FL\_ORLANDO\_INTL\_ARPT.tm3)

### System Report Compliance

<b>Pr0Sy1</b>	<b>System 1</b>	<b>Constant Volume Packaged System--902</b>	<b>No. of Units</b>
			<b>1</b>

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Conditioners Air Cooled > 760000 Btu/h Cooling Capacity	1963849	12.60	9.50	9.80	9.80	PASSES
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	3240050	3.50	3.20			PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	60001	0.80	0.82			PASSES

<b>Pr0Sy2</b>	<b>System 2</b>	<b>Constant Volume Packaged System--902</b>	<b>No. of Units</b>
			<b>1</b>

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Conditioners Air Cooled 135000 to 240000 Btu/h Clg Capacity	143053	12.60	10.60	10.70	10.70	PASSES
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	218700	3.50	3.20			PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	4050	0.80	0.82			PASSES

<b>Pr0Sy3</b>	<b>System 3</b>	<b>Constant Volume Packaged System--902</b>	<b>No. of Units</b>
			<b>1</b>

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Conditioners Air Cooled 135000 to 240000 Btu/h Clg Capacity	238026	12.60	10.60	10.70	10.70	PASSES
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	413160	3.50	3.20			PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	7651	0.80	0.82			PASSES

<b>Pr0Sy4</b>		<b>System 4</b>		<b>Constant Volume Packaged System</b>			<b>No. of Units</b>	
							<b>1</b>	
<b>Component</b>	<b>Category</b>	<b>Capacity</b>	<b>Design Eff</b>	<b>Eff Criteria</b>	<b>Design IPLV</b>	<b>IPLV Criteria</b>	<b>Compliance</b>	
Cooling System	Air Conditioners Air Cooled 135000 to 240000 Btu/h Clg Capacity	218241	12.60	10.60	10.70	10.70	<b>PASSES</b>	
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	371760	3.50	3.20			<b>PASSES</b>	
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	6884	0.80	0.82			<b>PASSES</b>	
<b>Pr0Sy5</b>		<b>System 5</b>		<b>Constant Volume Packaged System</b>			<b>No. of Units</b>	
							<b>1</b>	
<b>Component</b>	<b>Category</b>	<b>Capacity</b>	<b>Design Eff</b>	<b>Eff Criteria</b>	<b>Design IPLV</b>	<b>IPLV Criteria</b>	<b>Compliance</b>	
Cooling System	Air Conditioners Air Cooled 240000 to 760000 Btu/h Cooling Capacity	681756	12.60	9.50	10.70	9.60	<b>PASSES</b>	
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	852354	3.50	3.20			<b>PASSES</b>	
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	13556	0.80	0.82			<b>PASSES</b>	
							<b>PASSES</b>	

<b>Plant Compliance</b>								
<b>Description</b>	<b>Installed No</b>	<b>Size</b>	<b>Design Eff</b>	<b>Min Eff</b>	<b>Design IPLV</b>	<b>Min IPLV</b>	<b>Category</b>	<b>Compliance</b>
								<b>None</b>

Project: Building B1 CZ2 Ret

Title: TAM Building B1

Type: Retail

(WEA File: FL\_ORLANDO\_INTL\_ARPT.tm3)

### Water Heater Compliance

Description	Type	Category	Design Eff	Min Eff	Design Loss	Max Loss	Compliance
Water Heater 1	Electric water heater	> 12 [kW]	0.86		250.00	293.40	PASSES

PASSES

### 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

Project: Building B1 CZ2 Ret

Title: TAM Building B1

Type: Retail

(WEA File: FL\_ORLANDO\_INTL\_ARPT.tm3)

### Other Required Compliance

Category	Section	Requirement (write N/A in box if not applicable)	Check
			<input type="checkbox"/>

**Project: Building B1 CZ2 Ret**

# Florida Building Code, Fifth Edition (2014) - Energy Conservation

EnergyGauge Summit® Fla/Com-2015, Effective Date: June 30, 2015 -- Form 506-2014  
IECC 2012 - Total Building Performance Compliance Option

## Check List

Applications for compliance with the Florida Building Code, Energy Conservation shall include:

- This Checklist
- An Input report generated from the software just after completing compliance calculations without any further changes
- The full compliance report generated by the software that contains the project summary, compliance summary, certifications and detailed component compliance reports
- Boxes appropriately checked in the Miscellaneous report generated by the software at the end of the compliance report

## PROJECT SUMMARY

**Short Desc:** Building B1 CZ2 Ret

**Description:** TAM Building B1

**Owner:** Enter Owner's name here

**Address1:** Enter Address here

**City:** Enter city here

**Address2:** Enter Address here

**State:** Enter state here

**Zip:** 0

**Type:** Retail

**Class:** New Finished building

**Jurisdiction:** ORLANDO, ORANGE COUNTY, FL (582100)

**Conditioned Area:** 40000 SF

**Conditioned & UnConditioned Area:** 40000 SF

**No of Stories:** 1

**Area entered from Plans** 0 SF

**Permit No:** 0

**Max Tonnage** 163.7

**If different, write in:** \_\_\_\_\_

## Compliance Summary

Component	Design	Criteria	Result
Gross Energy Cost (in \$)	74,121.0	48,761.0	<b>FAILED</b>
LIGHTING CONTROLS			<b>PASSES</b>
EXTERNAL LIGHTING			<b>PASSES</b>
HVAC SYSTEM			<b>PASSES</b>
PLANT			<b>No Entry</b>
WATER HEATING SYSTEMS			<b>PASSES</b>
PIPING SYSTEMS			<b>No Entry</b>
Met all required compliance from Check List?			<b>Yes/No/NA</b>

### IMPORTANT MESSAGE

Info 5009 -- -- -- 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: \_\_\_\_\_

Reg No: \_\_\_\_\_

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: Building B1 CZ2 Ret  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: FL\_ORLANDO\_INTL\_ARPT.tm3)

### Building End Uses

	1) Proposed	2) Baseline
<b>Total</b>	<b>4,818.50</b>	<b>3,743.50</b>
	<b>\$74,121</b>	<b>\$57,366</b>
<b>ELECTRICITY(MBtu/kWh/\$)</b>	<b>4,818.50</b>	<b>3,743.50</b>
	<b>1411824</b>	<b>1096859</b>
	<b>\$74,121</b>	<b>\$57,366</b>
<b>AREA LIGHTS</b>	<b>1,401.30</b>	<b>1,032.50</b>
	<b>410567</b>	<b>302527</b>
	<b>\$21,555</b>	<b>\$15,822</b>
<b>MISC EQUIPMT</b>	<b>585.50</b>	<b>585.50</b>
	<b>171550</b>	<b>171550</b>
	<b>\$9,006</b>	<b>\$8,972</b>
<b>PUMPS &amp; MISC</b>	<b>0.20</b>	<b>0.00</b>
	<b>61</b>	<b>7</b>
	<b>\$3</b>	<b>\$0</b>
<b>SPACE COOL</b>	<b>1,275.80</b>	<b>1,317.80</b>
	<b>373820</b>	<b>386114</b>
	<b>\$19,626</b>	<b>\$20,194</b>
<b>SPACE HEAT</b>	<b>94.10</b>	<b>2.50</b>
	<b>27579</b>	<b>728</b>
	<b>\$1,448</b>	<b>\$38</b>
<b>VENT FANS</b>	<b>1,461.60</b>	<b>805.20</b>
	<b>428247</b>	<b>235933</b>
	<b>\$22,483</b>	<b>\$12,339</b>

Credits Applied: None  
 Passing Criteria = 48761  
 Design (including any credits) = 74121  
 Passing requires Proposed Building cost to be at most 85% of  
 Baseline cost. This Proposed Building is at 129.2%

<b>FAILS</b>
--------------

Project: Building B1 CZ2 Ret  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: FL\_ORLANDO\_INTL\_ARPT.tm3)

**External Lighting Compliance**

Description	Category	Tradable?	Allowance (W/Unit)	Area or Length or No. of Units (Sqft or ft)	ELPA (W)	CLP (W)
Ext Light 1	Walk way less than 10 feet wide	Yes	1.00	200.0	200	

Tradable Surfaces: 0 (W) Allowance for Tradable: 210 (W)

**PASSES**

All External Lighting: 0 (W)

Compliance check includes a excess/Base allowance of 10.00(W)

Project: Building B1 CZ2 Ret  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: FL\_ORLANDO\_INTL\_ARPT.tm3)

**Lighting Controls Compliance**

Acronym	Ashrae ID	Description	Area (sq.ft)	Design CP	Min CP	Compliance
Interior	25,001	Sales Area	28,900	3	3	PASSES
Pr0Zo2Sp1	25,001	Sales Area	2,775	2	2	PASSES
Pr0Zo3Sp1	25,001	Sales Area	2,775	2	2	PASSES
Pr0Zo4Sp1	25,001	Sales Area	2,775	2	2	PASSES
Pr0Zo5Sp1	25,001	Sales Area	2,775	2	2	PASSES

**PASSES**

Project: Building B1 CZ2 Ret

Title: TAM Building B1

Type: Retail

(WEA File: FL\_ORLANDO\_INTL\_ARPT.tm3)

### System Report Compliance

<b>Pr0Sy1</b>	<b>System 1</b>	<b>Constant Volume Packaged System--902</b>	<b>No. of Units</b>
			<b>1</b>

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Conditioners Air Cooled > 760000 Btu/h Cooling Capacity	1963849	12.60	9.50	9.80	9.80	PASSES
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	3240050	3.50	3.20			PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	60001	0.80	0.82			PASSES

<b>Pr0Sy2</b>	<b>System 2</b>	<b>Constant Volume Packaged System--902</b>	<b>No. of Units</b>
			<b>1</b>

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Conditioners Air Cooled 135000 to 240000 Btu/h Clg Capacity	143053	12.60	10.60	10.70	10.70	PASSES
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	218700	3.50	3.20			PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	4050	0.80	0.82			PASSES

<b>Pr0Sy3</b>	<b>System 3</b>	<b>Constant Volume Packaged System--902</b>	<b>No. of Units</b>
			<b>1</b>

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Conditioners Air Cooled 135000 to 240000 Btu/h Clg Capacity	238026	12.60	10.60	10.70	10.70	PASSES
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	413160	3.50	3.20			PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	7651	0.80	0.82			PASSES

<b>Pr0Sy4</b>		<b>System 4</b>		<b>Constant Volume Packaged System</b>			<b>No. of Units</b>	
							<b>1</b>	
<b>Component</b>	<b>Category</b>	<b>Capacity</b>	<b>Design Eff</b>	<b>Eff Criteria</b>	<b>Design IPLV</b>	<b>IPLV Criteria</b>	<b>Compliance</b>	
Cooling System	Air Conditioners Air Cooled 135000 to 240000 Btu/h Clg Capacity	218241	12.60	10.60	10.70	10.70	<b>PASSES</b>	
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	371760	3.50	3.20			<b>PASSES</b>	
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	6884	0.80	0.82			<b>PASSES</b>	
<b>Pr0Sy5</b>		<b>System 5</b>		<b>Constant Volume Packaged System</b>			<b>No. of Units</b>	
							<b>1</b>	
<b>Component</b>	<b>Category</b>	<b>Capacity</b>	<b>Design Eff</b>	<b>Eff Criteria</b>	<b>Design IPLV</b>	<b>IPLV Criteria</b>	<b>Compliance</b>	
Cooling System	Air Conditioners Air Cooled 240000 to 760000 Btu/h Cooling Capacity	681756	12.60	9.50	10.70	9.60	<b>PASSES</b>	
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	852354	3.50	3.20			<b>PASSES</b>	
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	13556	0.80	0.82			<b>PASSES</b>	
<b>PASSES</b>								

<b>Plant Compliance</b>								
<b>Description</b>	<b>Installed No</b>	<b>Size</b>	<b>Design Eff</b>	<b>Min Eff</b>	<b>Design IPLV</b>	<b>Min IPLV</b>	<b>Category</b>	<b>Compliance</b>
								<b>None</b>

Project: Building B1 CZ2 Ret

Title: TAM Building B1

Type: Retail

(WEA File: FL\_ORLANDO\_INTL\_ARPT.tm3)

### Water Heater Compliance

Description	Type	Category	Design Eff	Min Eff	Design Loss	Max Loss	Compliance
Water Heater 1	Electric water heater	> 12 [kW]	0.86		250.00	293.40	PASSES

**PASSES**

### 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**

Project: Building B1 CZ2 Ret

Title: TAM Building B1

Type: Retail

(WEA File: FL\_ORLANDO\_INTL\_ARPT.tm3)

### Other Required Compliance

Category	Section	Requirement (write N/A in box if not applicable)	Check
			<input type="checkbox"/>

**Project: Building B1 CZ2 Ret**

# DOE Based Sizing

## PROJECT SUMMARY

**Short Desc:** Building B1 CZ2 Ret

**Owner:** Enter Owner's name here

**Address1:** Enter Address here

**Address2:** Enter Address here

**Type:** Retail

**Weather File:** FL\_ORLANDO\_INTL\_ARPT.tm3

**Conditioned Area:** 64975 SF

**No of Stories:** 1

**Permit No:** 0

**Description:** TAM Building B1

**City:** Enter city here

**State:** Enter state here

**Zip:** 0

**Class:** New Finished building

**Conditioned & UnConditioned Area:** 64975 SF

**Area entered from Plans** 0 SF

**Max Tonnage** 158.2

**If different, write in:** \_\_\_\_\_

## CERTIFICATIONS

I hereby certify that the plans and specifications covered by this calculation are in compliance as required by the authority of jurisdiction

Prepared By: \_\_\_\_\_

Building Official: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

I certify that this building is in compliance as required by the authority of jurisdiction

Owner Agent: \_\_\_\_\_

Date: \_\_\_\_\_

If required by law, I hereby certify (\*) that the system design is in compliance as required by the authority of jurisdiction

Architect: \_\_\_\_\_

Reg No: \_\_\_\_\_

Electrical Designer: \_\_\_\_\_

Reg No: \_\_\_\_\_

Lighting Designer: \_\_\_\_\_

Reg No: \_\_\_\_\_

Mechanical Designer: \_\_\_\_\_

Reg No: \_\_\_\_\_

Plumbing Designer: \_\_\_\_\_

Reg No: \_\_\_\_\_

(\*) Signature may be required when 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.



**DOE 2.1 E Based Sized Parameters (Beta Feature)**

<u>IdSystem</u>	<u>System Name</u>	<u>System Type</u>		
1	<b>Pr0Sy1</b>	System 1		
	<u>Component</u>	<u>Sized Value</u>	<u>Units</u>	
	Cooling System	1963849	BTU/HR	
	Heating System	3240050	Btu/h	
	Air Handling System -Supply	60001	CFM	
2	<b>Pr0Sy2</b>	System 2		
	<u>Component</u>	<u>Sized Value</u>	<u>Units</u>	
	Cooling System	143053	BTU/HR	
	Heating System	218700	Btu/h	
	Air Handling System -Supply	4050	CFM	
3	<b>Pr0Sy3</b>	System 3		
	<u>Component</u>	<u>Sized Value</u>	<u>Units</u>	
	Cooling System	238026	BTU/HR	
	Heating System	413160	Btu/h	
	Air Handling System -Supply	7651	CFM	
4	<b>Pr0Sy4</b>	System 4		
	<u>Component</u>	<u>Sized Value</u>	<u>Units</u>	
	Cooling System	218241	BTU/HR	
	Heating System	371760	Btu/h	
	Air Handling System -Supply	6884	CFM	
5	<b>Pr0Sy5</b>	System 5		
	<u>Component</u>	<u>Sized Value</u>	<u>Units</u>	
	Cooling System	681756	BTU/HR	
	Heating System	852354	Btu/h	
	Air Handling System -Supply	13556	CFM	

# Florida Building Code, Fifth Edition (2014) - Energy Conservation

EnergyGauge Summit® Fla/Com-2015, Effective Date: June 30, 2015 -- Form 506-2014  
ASHRAE 90.1-2010 - Energy Cost Budget Option

## Check List

Applications for compliance with the Florida Building Code, Energy Conservation shall include:

- This Checklist
- An Input report generated from the software just after completing compliance calculations without any further changes
- The full compliance report generated by the software that contains the project summary, compliance summary, certifications and detailed component compliance reports
- Boxes appropriately checked in the Miscellaneous report generated by the software at the end of the compliance report

## PROJECT SUMMARY

**Short Desc:** Building B1 CZ1 Sup

**Description:** TAM Building B1

**Owner:** Enter Owner's name here

**Address1:** Enter Address here

**City:** Enter city here

**Address2:** Enter Address here

**State:** Enter state here

**Zip:** 0

**Type:** Retail

**Class:** New Finished building

**Jurisdiction:** ORLANDO, ORANGE COUNTY, FL (582100)

**Conditioned Area:** 40000 SF

**Conditioned & UnConditioned Area:** 40000 SF

**No of Stories:** 1

**Area entered from Plans** 0 SF

**Permit No:** 0

**Max Tonnage** 149.2

**If different, write in:** \_\_\_\_\_

## Compliance Summary

Component	Design	Criteria	Result
Gross Energy Cost (in \$)	79,165.0	56,555.0	<b>FAILED</b>
LIGHTING CONTROLS			<b>PASSES</b>
EXTERNAL LIGHTING			<b>PASSES</b>
HVAC SYSTEM			<b>FAILS</b>
PLANT			<b>No Entry</b>
WATER HEATING SYSTEMS			<b>PASSES</b>
PIPING SYSTEMS			<b>No Entry</b>
Met all required compliance from Check List?			<b>Yes/No/NA</b>

### IMPORTANT MESSAGE

Info 5009 -- -- -- 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: \_\_\_\_\_

Reg No: \_\_\_\_\_

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: Building B1 CZ1 Sup  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: FL\_ORLANDO\_INTL\_ARPT.tm3)

**Building End Uses**

	1) Proposed	2) Baseline
<b>Total</b>	<b>5,136.70</b>	<b>3,690.60</b>
	<b>\$79,165</b>	<b>\$56,555</b>
ELECTRICITY(MBtu/kWh/\$)	5,136.70	3,690.60
	1505038	1081351
	<b>\$79,165</b>	<b>\$56,555</b>
AREA LIGHTS	1,401.30	1,032.50
	410567	302527
	<b>\$21,596</b>	<b>\$15,822</b>
MISC EQUIPMT	585.50	585.50
	171550	171550
	<b>\$9,024</b>	<b>\$8,972</b>
PUMPS & MISC	0.20	0.00
	57	13
	<b>\$3</b>	<b>\$1</b>
SPACE COOL	1,438.50	1,273.40
	421480	373110
	<b>\$22,170</b>	<b>\$19,514</b>
SPACE HEAT	88.60	5.30
	25950	1548
	<b>\$1,365</b>	<b>\$81</b>
VENT FANS	1,622.60	793.90
	475434	232603
	<b>\$25,008</b>	<b>\$12,165</b>

Credits Applied: None  
 Passing Criteria = 56555  
 Design (including any credits) = 79165  
 Passing requires Proposed Building cost to be at most 100% of  
 Baseline cost. This Proposed Building is at 140%

<b>FAILS</b>
--------------

Project: Building B1 CZ1 Sup  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: FL\_ORLANDO\_INTL\_ARPT.tm3)

**External Lighting Compliance**

Description	Category	Tradable?	Allowance (W/Unit)	Area or Length or No. of Units (Sqft or ft)	ELPA (W)	CLP (W)
Ext Light 1	Walk way less than 10 feet wide	Yes	1.00	200.0	200	

Tradable Surfaces: 0 (W) Allowance for Tradable: 210 (W)

**PASSES**

All External Lighting: 0 (W)

Compliance check includes a excess/Base allowance of 10.00(W)

Project: Building B1 CZ1 Sup  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: FL\_ORLANDO\_INTL\_ARPT.tm3)

**Lighting Controls Compliance**

Acronym	Ashrae ID	Description	Area (sq.ft)	Design CP	Min CP	Compliance
Interior	25,001	Sales Area	28,900	3	3	PASSES
Pr0Zo2Sp1	25,001	Sales Area	2,775	2	2	PASSES
Pr0Zo3Sp1	25,001	Sales Area	2,775	2	2	PASSES
Pr0Zo4Sp1	25,001	Sales Area	2,775	2	2	PASSES
Pr0Zo5Sp1	25,001	Sales Area	2,775	2	2	PASSES

**PASSES**

Project: Building B1 CZ1 Sup

Title: TAM Building B1

Type: Retail

(WEA File: FL\_ORLANDO\_INTL\_ARPT.tm3)

### System Report Compliance

<b>Pr0Sy1</b>	<b>System 1</b>	<b>Constant Volume Packaged System--902</b>	<b>No. of Units</b>
			<b>1</b>

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Conditioners Air Cooled > 760000 Btu/h Cooling Capacity	1790840	12.80	9.50	9.80	9.80	<b>PASSES</b>
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	3236990	3.50	3.20			<b>PASSES</b>
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	59944	0.80	0.82			<b>PASSES</b>

<b>Pr0Sy2</b>	<b>System 2</b>	<b>Constant Volume Packaged System--902</b>	<b>No. of Units</b>
			<b>1</b>

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Conditioners Air Cooled 65000 to 135000 Btu/h Cooling Capacity	128107	12.80	11.00	10.70	11.20	<b>FAILS</b>
Heating System	Heat Pumps Air Cooled (Heating Mode) 65000 to 135000 Btu/h Clg Cap	218410	3.50	3.30			<b>PASSES</b>
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	4045	0.80	0.82			<b>PASSES</b>

<b>Pr0Sy3</b>	<b>System 3</b>	<b>Constant Volume Packaged System--902</b>	<b>No. of Units</b>
			<b>1</b>

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Conditioners Air Cooled 135000 to 240000 Btu/h Clg Capacity	220324	12.80	10.60	10.70	10.70	<b>PASSES</b>
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	412870	3.50	3.20			<b>PASSES</b>
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	7646	0.80	0.82			<b>PASSES</b>

Pr0Sy4		System 4		Constant Volume Packaged System			No. of Units 1	
Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance	
Cooling System	Air Conditioners Air Cooled 135000 to 240000 Btu/h Clg Capacity	200688	12.80	10.60	10.70	10.70	PASSES	
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	371430	3.00	3.20			FAILS	
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	6878	0.80	0.82			PASSES	
Pr0Sy5		System 5		Constant Volume Packaged System			No. of Units 1	
Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance	
Cooling System	Air Conditioners Air Cooled 240000 to 760000 Btu/h Cooling Capacity	558483	8.90	9.50	8.00	9.60	FAILS	
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	814605	3.50	3.20			PASSES	
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	13496	0.80	0.82			PASSES	
							<b>FAILS</b>	

Plant Compliance								
Description	Installed No	Size	Design Eff	Min Eff	Design IPLV	Min IPLV	Category	Compliance
								<b>None</b>



Project: Building B1 CZ1 Sup

Title: TAM Building B1

Type: Retail

(WEA File: FL\_ORLANDO\_INTL\_ARPT.tm3)

### Water Heater Compliance

Description	Type	Category	Design Eff	Min Eff	Design Loss	Max Loss	Compliance
Water Heater 1	Electric water heater	> 12 [kW]	0.86		250.00	293.40	PASSES

**PASSES**

### 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**

Project: Building B1 CZ1 Sup

Title: TAM Building B1

Type: Retail

(WEA File: FL\_ORLANDO\_INTL\_ARPT.tm3)

### Other Required Compliance

Category	Section	Requirement (write N/A in box if not applicable)	Check
			<input type="checkbox"/>

**Project: Building B1 CZ1 Sup**

# Florida Building Code, Fifth Edition (2014) - Energy Conservation

EnergyGauge Summit® Fla/Com-2015, Effective Date: June 30, 2015 -- Form 506-2014  
IECC 2012 - Total Building Performance Compliance Option

## Check List

Applications for compliance with the Florida Building Code, Energy Conservation shall include:

- This Checklist
- An Input report generated from the software just after completing compliance calculations without any further changes
- The full compliance report generated by the software that contains the project summary, compliance summary, certifications and detailed component compliance reports
- Boxes appropriately checked in the Miscellaneous report generated by the software at the end of the compliance report

## PROJECT SUMMARY

**Short Desc:** Building B1 CZ1 Sup

**Description:** TAM Building B1

**Owner:** Enter Owner's name here

**Address1:** Enter Address here

**City:** Enter city here

**Address2:** Enter Address here

**State:** Enter state here

**Zip:** 0

**Type:** Retail

**Class:** New Finished building

**Jurisdiction:** ORLANDO, ORANGE COUNTY, FL (582100)

**Conditioned Area:** 40000 SF

**Conditioned & UnConditioned Area:** 40000 SF

**No of Stories:** 1

**Area entered from Plans** 0 SF

**Permit No:** 0

**Max Tonnage** 149.2

**If different, write in:** \_\_\_\_\_

## Compliance Summary

Component	Design	Criteria	Result
Gross Energy Cost (in \$)	74,541.0	48,761.0	<b>FAILED</b>
LIGHTING CONTROLS			<b>PASSES</b>
EXTERNAL LIGHTING			<b>PASSES</b>
HVAC SYSTEM			<b>FAILS</b>
PLANT			<b>No Entry</b>
WATER HEATING SYSTEMS			<b>PASSES</b>
PIPING SYSTEMS			<b>No Entry</b>
Met all required compliance from Check List?			<b>Yes/No/NA</b>

### IMPORTANT MESSAGE

Info 5009 -- -- -- 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: \_\_\_\_\_

Reg No: \_\_\_\_\_

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: Building B1 CZ1 Sup  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: FL\_ORLANDO\_INTL\_ARPT.tm3)

### Building End Uses

	1) Proposed	2) Baseline
<b>Total</b>	<i>4,845.90</i>	<i>3,743.50</i>
	<i>\$74,541</i>	<i>\$57,366</i>
<b>ELECTRICITY(MBtu/kWh/\$)</b>	<i>4,845.90</i>	<i>3,743.50</i>
	<i>1419835</i>	<i>1096859</i>
	<i>\$74,541</i>	<i>\$57,366</i>
<b>AREA LIGHTS</b>	<i>1,401.30</i>	<i>1,032.50</i>
	<i>410567</i>	<i>302527</i>
	<i>\$21,555</i>	<i>\$15,822</i>
<b>MISC EQUIPMT</b>	<i>585.50</i>	<i>585.50</i>
	<i>171550</i>	<i>171550</i>
	<i>\$9,006</i>	<i>\$8,972</i>
<b>PUMPS &amp; MISC</b>	<i>0.20</i>	<i>0.00</i>
	<i>61</i>	<i>7</i>
	<i>\$3</i>	<i>\$0</i>
<b>SPACE COOL</b>	<i>1,300.30</i>	<i>1,317.80</i>
	<i>380985</i>	<i>386114</i>
	<i>\$20,002</i>	<i>\$20,194</i>
<b>SPACE HEAT</b>	<i>97.00</i>	<i>2.50</i>
	<i>28425</i>	<i>728</i>
	<i>\$1,492</i>	<i>\$38</i>
<b>VENT FANS</b>	<i>1,461.60</i>	<i>805.20</i>
	<i>428247</i>	<i>235933</i>
	<i>\$22,483</i>	<i>\$12,339</i>

**Credits Applied: None**  
**Passing Criteria = 48761**  
**Design (including any credits) = 74541**  
**Passing requires Proposed Building cost to be at most 85% of**  
**Baseline cost. This Proposed Building is at 129.9%**

**FAILS**

Project: Building B1 CZ1 Sup  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: FL\_ORLANDO\_INTL\_ARPT.tm3)

**External Lighting Compliance**

Description	Category	Tradable?	Allowance (W/Unit)	Area or Length or No. of Units (Sqft or ft)	ELPA (W)	CLP (W)
Ext Light 1	Walk way less than 10 feet wide	Yes	1.00	200.0	200	

Tradable Surfaces: 0 (W) Allowance for Tradable: 210 (W)

**PASSES**

All External Lighting: 0 (W)

Compliance check includes a excess/Base allowance of 10.00(W)

Project: Building B1 CZ1 Sup  
 Title: TAM Building B1  
 Type: Retail  
 (WEA File: FL\_ORLANDO\_INTL\_ARPT.tm3)

**Lighting Controls Compliance**

Acronym	Ashrae ID	Description	Area (sq.ft)	Design CP	Min CP	Compliance
Interior	25,001	Sales Area	28,900	3	3	PASSES
Pr0Zo2Sp1	25,001	Sales Area	2,775	2	2	PASSES
Pr0Zo3Sp1	25,001	Sales Area	2,775	2	2	PASSES
Pr0Zo4Sp1	25,001	Sales Area	2,775	2	2	PASSES
Pr0Zo5Sp1	25,001	Sales Area	2,775	2	2	PASSES

**PASSES**

Project: Building B1 CZ1 Sup

Title: TAM Building B1

Type: Retail

(WEA File: FL\_ORLANDO\_INTL\_ARPT.tm3)

### System Report Compliance

<b>Pr0Sy1</b>	<b>System 1</b>	<b>Constant Volume Packaged System--902</b>	<b>No. of Units</b>
			<b>1</b>

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Conditioners Air Cooled > 760000 Btu/h Cooling Capacity	1790840	12.80	9.50	9.80	9.80	<b>PASSES</b>
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	3236990	3.50	3.20			<b>PASSES</b>
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	59944	0.80	0.82			<b>PASSES</b>

<b>Pr0Sy2</b>	<b>System 2</b>	<b>Constant Volume Packaged System--902</b>	<b>No. of Units</b>
			<b>1</b>

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Conditioners Air Cooled 65000 to 135000 Btu/h Cooling Capacity	128107	12.80	11.00	10.70	11.20	<b>FAILS</b>
Heating System	Heat Pumps Air Cooled (Heating Mode) 65000 to 135000 Btu/h Clg Cap	218410	3.50	3.30			<b>PASSES</b>
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	4045	0.80	0.82			<b>PASSES</b>

<b>Pr0Sy3</b>	<b>System 3</b>	<b>Constant Volume Packaged System--902</b>	<b>No. of Units</b>
			<b>1</b>

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Conditioners Air Cooled 135000 to 240000 Btu/h Clg Capacity	220324	12.80	10.60	10.70	10.70	<b>PASSES</b>
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	412870	3.50	3.20			<b>PASSES</b>
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	7646	0.80	0.82			<b>PASSES</b>

<b>Pr0Sy4</b>		<b>System 4</b>		<b>Constant Volume Packaged System</b>			<b>No. of Units</b>	
							<b>1</b>	
<b>Component</b>	<b>Category</b>	<b>Capacity</b>	<b>Design Eff</b>	<b>Eff Criteria</b>	<b>Design IPLV</b>	<b>IPLV Criteria</b>	<b>Compliance</b>	
Cooling System	Air Conditioners Air Cooled 135000 to 240000 Btu/h Clg Capacity	200688	12.80	10.60	10.70	10.70	<b>PASSES</b>	
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	371430	3.00	3.20			<b>FAILS</b>	
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	6878	0.80	0.82			<b>PASSES</b>	
<b>Pr0Sy5</b>		<b>System 5</b>		<b>Constant Volume Packaged System</b>			<b>No. of Units</b>	
							<b>1</b>	
<b>Component</b>	<b>Category</b>	<b>Capacity</b>	<b>Design Eff</b>	<b>Eff Criteria</b>	<b>Design IPLV</b>	<b>IPLV Criteria</b>	<b>Compliance</b>	
Cooling System	Air Conditioners Air Cooled 240000 to 760000 Btu/h Cooling Capacity	558483	8.90	9.50	8.00	9.60	<b>FAILS</b>	
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity	814605	3.50	3.20			<b>PASSES</b>	
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	13496	0.80	0.82			<b>PASSES</b>	
<b>FAILS</b>								

<b>Plant Compliance</b>								
<b>Description</b>	<b>Installed No</b>	<b>Size</b>	<b>Design Eff</b>	<b>Min Eff</b>	<b>Design IPLV</b>	<b>Min IPLV</b>	<b>Category</b>	<b>Compliance</b>
<b>None</b>								



Project: Building B1 CZ1 Sup

Title: TAM Building B1

Type: Retail

(WEA File: FL\_ORLANDO\_INTL\_ARPT.tm3)

### Water Heater Compliance

Description	Type	Category	Design Eff	Min Eff	Design Loss	Max Loss	Compliance
Water Heater 1	Electric water heater	> 12 [kW]	0.86		250.00	293.40	PASSES

**PASSES**

### 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**

Project: Building B1 CZ1 Sup

Title: TAM Building B1

Type: Retail

(WEA File: FL\_ORLANDO\_INTL\_ARPT.tm3)

### Other Required Compliance

Category	Section	Requirement (write N/A in box if not applicable)	Check
			<input type="checkbox"/>

**Project: Building B1 CZ1 Sup**

# DOE Based Sizing

## PROJECT SUMMARY

**Short Desc:** Building B1 CZ1 Sup

**Owner:** Enter Owner's name here

**Address1:** Enter Address here

**Address2:** Enter Address here

**Type:** Retail

**Weather File:** FL\_ORLANDO\_INTL\_ARPT.tm3

**Conditioned Area:** 64975 SF

**No of Stories:** 1

**Permit No:** 0

**Description:** TAM Building B1

**City:** Enter city here

**State:** Enter state here

**Zip:** 0

**Class:** New Finished building

**Conditioned & UnConditioned Area:** 64975 SF

**Area entered from Plans** 0 SF

**Max Tonnage** 141.8

**If different, write in:** \_\_\_\_\_

## CERTIFICATIONS

I hereby certify that the plans and specifications covered by this calculation are in compliance as required by the authority of jurisdiction

Prepared By: \_\_\_\_\_

Building Official: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

I certify that this building is in compliance as required by the authority of jurisdiction

Owner Agent: \_\_\_\_\_

Date: \_\_\_\_\_

If required by law, I hereby certify (\*) that the system design is in compliance as required by the authority of jurisdiction

Architect: \_\_\_\_\_

Reg No: \_\_\_\_\_

Electrical Designer: \_\_\_\_\_

Reg No: \_\_\_\_\_

Lighting Designer: \_\_\_\_\_

Reg No: \_\_\_\_\_

Mechanical Designer: \_\_\_\_\_

Reg No: \_\_\_\_\_

Plumbing Designer: \_\_\_\_\_

Reg No: \_\_\_\_\_

(\*) Signature may be required when 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.

**DOE 2.1 E Based Sized Parameters (Beta Feature)**

<u>IdSystem</u>	<u>System Name</u>	<u>System Type</u>		
1	<b>Pr0Sy1</b>	System 1		
	<u>Component</u>	<u>Sized Value</u>	<u>Units</u>	
	Cooling System	1790840	BTU/HR	
	Heating System	3236990	Btu/h	
	Air Handling System -Supply	59944	CFM	
2	<b>Pr0Sy2</b>	System 2		
	<u>Component</u>	<u>Sized Value</u>	<u>Units</u>	
	Cooling System	128107	BTU/HR	
	Heating System	218410	Btu/h	
	Air Handling System -Supply	4045	CFM	
3	<b>Pr0Sy3</b>	System 3		
	<u>Component</u>	<u>Sized Value</u>	<u>Units</u>	
	Cooling System	220324	BTU/HR	
	Heating System	412870	Btu/h	
	Air Handling System -Supply	7646	CFM	
4	<b>Pr0Sy4</b>	System 4		
	<u>Component</u>	<u>Sized Value</u>	<u>Units</u>	
	Cooling System	200688	BTU/HR	
	Heating System	371430	Btu/h	
	Air Handling System -Supply	6878	CFM	
5	<b>Pr0Sy5</b>	System 5		
	<u>Component</u>	<u>Sized Value</u>	<u>Units</u>	
	Cooling System	558483	BTU/HR	
	Heating System	814605	Btu/h	
	Air Handling System -Supply	13496	CFM	