

# 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:** TAM A3

**Description:** TAM Building A3

**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:** Office

**Class:** New Finished building

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

**Conditioned Area:** 67500 SF

**Conditioned & UnConditioned Area:** 135000 SF

**No of Stories:** 3

**Area entered from Plans** 67500 SF

**Permit No:** 0

**Max Tonnage** 92

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

## Compliance Summary

Component	Design	Criteria	Result
Gross Energy Cost (in \$)	83,096.0	92,220.0	<b>PASSED</b>
LIGHTING CONTROLS			<b>PASSES</b>
EXTERNAL LIGHTING			<b>PASSES</b>
HVAC SYSTEM			<b>FAILS</b>
PLANT			<b>PASSES</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>
 <b>IMPORTANT MESSAGE</b>			
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: TAM A3  
 Title: TAM Building A3  
 Type: Office  
 (WEA File: FL\_MIAMI\_INTL\_AP.tm3)

### Building End Uses

	1) Proposed	2) Baseline
<b>Total</b>	<i>5,410.80</i>	<i>5,949.80</i>
	<i>\$83,096</i>	<i>\$92,220</i>
<b>ELECTRICITY(MBtu/kWh/\$)</b>	<i>5,352.40</i>	<i>5,949.70</i>
	<i>1568261</i>	<i>1743272</i>
	<i>\$82,804</i>	<i>\$92,219</i>
<b>AREA LIGHTS</b>	<i>1,058.30</i>	<i>1,270.00</i>
	<i>310073</i>	<i>372096</i>
	<i>\$16,372</i>	<i>\$19,684</i>
<b>MISC EQUIPMT</b>	<i>2,025.20</i>	<i>2,025.20</i>
	<i>593376</i>	<i>593376</i>
	<i>\$31,330</i>	<i>\$31,390</i>
<b>PUMPS &amp; MISC</b>	<i>0.30</i>	<i>0.00</i>
	<i>95</i>	<i>5</i>
	<i>\$5</i>	<i>\$0</i>
<b>SPACE COOL</b>	<i>1,524.80</i>	<i>2,002.60</i>
	<i>446769</i>	<i>586774</i>
	<i>\$23,589</i>	<i>\$31,040</i>
<b>SPACE HEAT</b>	<i>2.00</i>	<i>0.00</i>
	<i>589</i>	<i>2</i>
	<i>\$31</i>	<i>\$0</i>
<b>VENT FANS</b>	<i>741.80</i>	<i>651.90</i>
	<i>217359</i>	<i>191019</i>
	<i>\$11,477</i>	<i>\$10,105</i>
<b>NATURAL-GAS(MBtu/therm/\$)</b>	<i>58.40</i>	<i>0.10</i>
	<i>584</i>	<i>1</i>
	<i>\$292</i>	<i>\$1</i>
<b>SPACE HEAT</b>	<i>58.40</i>	<i>0.10</i>
	<i>584</i>	<i>1</i>
	<i>\$292</i>	<i>\$1</i>

Credits Applied: None  
 Passing Criteria = 92220

**PASSES**

Design (including any credits) = 83096  
 Passing requires Proposed Building cost to be at most 100% of  
 Baseline cost. This Proposed Building is at 90.1%

Project: TAM A3  
 Title: TAM Building A3  
 Type: Office  
 (WEA File: FL\_MIAMI\_INTL\_AP.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	150.0	150	96

Tradable Surfaces: 96 (W) Allowance for Tradable: 157.5 (W)  
 All External Lighting: 96 (W)  
 Compliance check includes a excess/Base allowance of 7.50(W)

**PASSES**

Project: TAM A3  
 Title: TAM Building A3  
 Type: Office  
 (WEA File: FL\_MIAMI\_INTL\_AP.tm3)

**Lighting Controls Compliance**

Acronym	Ashrae ID	Description	Area (sq.ft)	Design CP	Min CP	Compliance
Pr0Zo1Sp1	16	Office - Open Plan	14,400	2	2	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo3Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo3Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo3Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo6Sp1	16	Office - Open Plan	22,500	3	3	PASSES
Pr0Zo7Sp1	16	Office - Open Plan	14,400	2	2	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo6Sp1	16	Office - Open Plan	22,500	3	3	PASSES
Pr0Zo13Sp1	16	Office - Open Plan	14,400	2	2	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo6Sp1	16	Office - Open Plan	22,500	3	3	PASSES

**PASSES**

Project: TAM A3  
 Title: TAM Building A3  
 Type: Office  
 (WEA File: FL\_MIAMI\_INTL\_AP.tm3)

### System Report Compliance

<b>Pr0Sy1</b>	<b>System 1</b>	<b>Variable Air Volume Packaged System--903</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	1104049	12.80	9.50	12.90	9.60	<b>PASSES</b>
Heating System	Warm Air Gas Furnace >= 225000 Btu/h	499500	80.00	80.00			<b>PASSES</b>
Air Handling System -Supply	Air Handler (Supply) - Variable Volume	30834	1.25	1.12			<b>FAILS</b>

<b>Pr0Sy2</b>	<b>System 2</b>	<b>Variable Air Volume Packaged System--903</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 240000 to 760000 Btu/h Cooling Capacity	457541	12.80	9.80	12.90	9.90	<b>PASSES</b>
Heating System	Warm Air Gas Furnace < 225000 Btu/h	137430	80.00	80.00			<b>PASSES</b>
Air Handling System -Supply	Air Handler (Supply) - Variable Volume	8484	1.25	1.12			<b>FAILS</b>

<b>Pr0Sy3</b>	<b>System 3</b>	<b>Variable Air Volume Packaged System--903</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 240000 to 760000 Btu/h Cooling Capacity	470133	12.80	9.80	8.00	9.90	<b>FAILS</b>
Heating System	Warm Air Gas Furnace < 225000 Btu/h	137430	80.00	80.00			<b>PASSES</b>
Air Handling System -Supply	Air Handler (Supply) - Variable Volume	8484	1.25	1.12			<b>FAILS</b>

**FAILS**

Plant Compliance								
Description	Installed No	Size	Design Eff	Min Eff	Design IPLV	Min IPLV	Category	Compliance
Hot Water Boiler (Fuel)	1	1	80.000	80.000			Gas Fired >=300,000 and < 2,500,000 Btu/h	PASSES
<b>PASSES</b>								

Project: TAM A3  
 Title: TAM Building A3  
 Type: Office  
 (WEA File: FL\_MIAMI\_INTL\_AP.tm3)

Water Heater Compliance								
Description	Type	Category	Design Eff	Min Eff	Design Loss	Max Loss	Compliance	
Water Heater 1	Gas Storage water heater	<= 75000 Btu/h; >= 20 Gal	0.58	0.52			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: TAM A3**  
**Title: TAM Building A3**  
**Type: Office**  
**(WEA File: FL\_MIAMI\_INTL\_AP.tm3)**

**Other Required Compliance**

Category	Section	Requirement (write N/A in box if not applicable)	Check
<b>Project: TAM A3</b>			<input type="checkbox"/>



# 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:** TAM A3

**Description:** TAM Building A3

**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:** Office

**Class:** New Finished building

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

**Conditioned Area:** 67500 SF

**Conditioned & UnConditioned Area:** 135000 SF

**No of Stories:** 3

**Area entered from Plans** 67500 SF

**Permit No:** 0

**Max Tonnage** 92

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

## Compliance Summary

Component	Design	Criteria	Result
Gross Energy Cost (in \$)	82,902.0	79,058.0	<b>FAILED</b>
LIGHTING CONTROLS			<b>PASSES</b>
EXTERNAL LIGHTING			<b>PASSES</b>
HVAC SYSTEM			<b>FAILS</b>
PLANT			<b>PASSES</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>
 <b>IMPORTANT MESSAGE</b>			
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: TAM A3  
 Title: TAM Building A3  
 Type: Office  
 (WEA File: FL\_MIAMI\_INTL\_AP.tm3)

### Building End Uses

	1) Proposed	2) Baseline
<b>Total</b>	5,398.20	6,000.80
	<b>\$82,902</b>	<b>\$93,009</b>
<b>ELECTRICITY(MBtu/kWh/\$)</b>	5,339.80	6,000.80
	1564576	1758204
	<b>\$82,610</b>	<b>\$93,009</b>
<b>AREA LIGHTS</b>	1,058.30	1,270.00
	310073	372096
	<b>\$16,372</b>	<b>\$19,684</b>
<b>MISC EQUIPMT</b>	2,025.20	2,025.20
	593376	593376
	<b>\$31,330</b>	<b>\$31,390</b>
<b>PUMPS &amp; MISC</b>	0.30	0.00
	95	4
	<b>\$5</b>	<b>\$0</b>
<b>SPACE COOL</b>	1,512.90	2,064.20
	443286	604799
	<b>\$23,406</b>	<b>\$31,994</b>
<b>SPACE HEAT</b>	2.00	0.00
	590	0
	<b>\$31</b>	<b>\$0</b>
<b>VENT FANS</b>	741.10	641.40
	217156	187929
	<b>\$11,466</b>	<b>\$9,941</b>
<b>NATURAL-GAS(MBtu/therm/\$)</b>	58.40	
	584	0
	<b>\$292</b>	<b>\$0</b>
<b>SPACE HEAT</b>	58.40	0.00
	584	0
	<b>\$292</b>	<b>\$0</b>

Credits Applied: None

**FAILS**

Passing Criteria = 79058

Design (including any credits) = 82902

Passing requires Proposed Building cost to be at most 85% of Baseline cost. This Proposed Building is at 89.1%

Project: TAM A3

Title: TAM Building A3

Type: Office

(WEA File: FL\_MIAMI\_INTL\_AP.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	150.0	150	96

Tradable Surfaces: 96 (W) Allowance for Tradable: 157.5 (W)

**PASSES**

All External Lighting: 96 (W)

Compliance check includes a excess/Base allowance of 7.50(W)

Project: TAM A3

Title: TAM Building A3

Type: Office

(WEA File: FL\_MIAMI\_INTL\_AP.tm3)

### Lighting Controls Compliance

Acronym	Ashrae ID	Description	Area (sq.ft)	Design CP	Min CP	Compliance
Pr0Zo1Sp1	16	Office - Open Plan	14,400	2	2	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo3Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo3Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo3Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo6Sp1	16	Office - Open Plan	22,500	3	3	PASSES
Pr0Zo7Sp1	16	Office - Open Plan	14,400	2	2	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo6Sp1	16	Office - Open Plan	22,500	3	3	PASSES
Pr0Zo13Sp1	16	Office - Open Plan	14,400	2	2	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo6Sp1	16	Office - Open Plan	22,500	3	3	PASSES

**PASSES**

Project: TAM A3  
 Title: TAM Building A3  
 Type: Office  
 (WEA File: FL\_MIAMI\_INTL\_AP.tm3)

### System Report Compliance

<b>Pr0Sy1</b>	<b>System 1</b>	<b>Variable Air Volume Packaged System--903</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	1104049	12.80	9.70	12.90	9.80	<b>PASSES</b>
Heating System	Warm Air Gas Furnace >= 225000 Btu/h	499500	80.00	80.00			<b>PASSES</b>
Air Handling System -Supply	Air Handler (Supply) - Variable Volume	30834	1.25	1.12			<b>FAILS</b>

<b>Pr0Sy2</b>	<b>System 2</b>	<b>Variable Air Volume Packaged System--903</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 240000 to 760000 Btu/h Cooling Capacity	457541	12.80	10.00	12.90	10.10	<b>PASSES</b>
Heating System	Warm Air Gas Furnace < 225000 Btu/h	137430	80.00	80.00			<b>PASSES</b>
Air Handling System -Supply	Air Handler (Supply) - Variable Volume	8484	1.25	1.12			<b>FAILS</b>

<b>Pr0Sy3</b>	<b>System 3</b>	<b>Variable Air Volume Packaged System--903</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 240000 to 760000 Btu/h Cooling Capacity	470133	12.80	10.00	8.00	10.10	<b>FAILS</b>
Heating System	Warm Air Gas Furnace < 225000 Btu/h	137430	80.00	80.00			<b>PASSES</b>
Air Handling System -Supply	Air Handler (Supply) - Variable Volume	8484	1.25	1.12			<b>FAILS</b>

**FAILS**

Plant Compliance								
Description	Installed No	Size	Design Eff	Min Eff	Design IPLV	Min IPLV	Category	Compliance
Hot Water Boiler (Fuel)	1	1	80.000	80.000			Gas Fired >=300,000 and < 2,500,000 Btu/h	PASSES
								<b>PASSES</b>

<b>Project: TAM A3</b> <b>Title: TAM Building A3</b> <b>Type: Office</b> <b>(WEA File: FL_MIAMI_INTL_AP.tm3)</b>								
Water Heater Compliance								
Description	Type	Category	Design Eff	Min Eff	Design Loss	Max Loss	Compliance	
Water Heater 1	Gas Storage water heater	<= 75000 Btu/h; >= 20 Gal	0.58	0.52			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: TAM A3**  
**Title: TAM Building A3**  
**Type: Office**  
**(WEA File: FL\_MIAMI\_INTL\_AP.tm3)**

**Other Required Compliance**

Category	Section	Requirement (write N/A in box if not applicable)	Check
<b>Project: TAM A3</b>			<input type="checkbox"/>



# DOE Based Sizing

## PROJECT SUMMARY

**Short Desc:** TAM A3

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

**Address1:** Enter Address here

**Address2:** Enter Address here

**Type:** Office

**Weather File:** FL\_MIAMI\_INTL\_AP.tm3

**Conditioned Area:** 67500 SF

**No of Stories:** 3

**Permit No:** 0

**Description:** TAM Building A3

**City:** Enter city here

**State:** Enter state here

**Zip:** 0

**Class:** New Finished building

**Conditioned & UnConditioned Area:** 135000 SF

**Area entered from Plans** 67500 SF

**Max Tonnage** 92

**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	1104049	BTU/HR	
	Heating System	499500	Btu/h	
	Air Handling System -Supply	30834	CFM	
2	<b>Pr0Sy2</b>	System 2		
	<u>Component</u>	<u>Sized Value</u>	<u>Units</u>	
	Cooling System	457541	BTU/HR	
	Heating System	137430	Btu/h	
	Air Handling System -Supply	8484	CFM	
3	<b>Pr0Sy3</b>	System 3		
	<u>Component</u>	<u>Sized Value</u>	<u>Units</u>	
	Cooling System	470133	BTU/HR	
	Heating System	137430	Btu/h	
	Air Handling System -Supply	8484	CFM	
10	<b>Hot Water Boiler (Fuel)</b>	Hot Water Boiler (Fuel)		
	<u>Component</u>	<u>Sized Value</u>	<u>Units</u>	
	Hot Water Boiler (Fuel)	0.553	[Million Btu/t	

# 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
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## PROJECT SUMMARY

**Short Desc:** TAM A3

**Description:** TAM Building A3

**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:** Office

**Class:** New Finished building

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

**Conditioned Area:** 67500 SF

**Conditioned & UnConditioned Area:** 135000 SF

**No of Stories:** 3

**Area entered from Plans** 67500 SF

**Permit No:** 0

**Max Tonnage** 97.6

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

## Compliance Summary

Component	Design	Criteria	Result
Gross Energy Cost (in \$)	79,928.0	88,564.0	<b>PASSED</b>
LIGHTING CONTROLS			<b>PASSES</b>
EXTERNAL LIGHTING			<b>PASSES</b>
HVAC SYSTEM			<b>FAILS</b>
PLANT			<b>FAILS</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: TAM A3  
 Title: TAM Building A3  
 Type: Office  
 (WEA File: FL\_ORLANDO\_INTL\_ARPT.tm3)

### Building End Uses

	1) Proposed	2) Baseline
<b>Total</b>	<b>5,314.50</b>	<b>5,719.50</b>
	<b>\$79,928</b>	<b>\$88,564</b>
<b>ELECTRICITY(MBtu/kWh/\$)</b>	<b>5,095.90</b>	<b>5,711.40</b>
	<b>1493095</b>	<b>1673414</b>
	<b>\$78,835</b>	<b>\$88,524</b>
<b>AREA LIGHTS</b>	<b>1,058.30</b>	<b>1,270.00</b>
	<b>310073</b>	<b>372096</b>
	<b>\$16,372</b>	<b>\$19,684</b>
<b>MISC EQUIPMT</b>	<b>2,025.20</b>	<b>2,025.20</b>
	<b>593376</b>	<b>593376</b>
	<b>\$31,330</b>	<b>\$31,390</b>
<b>PUMPS &amp; MISC</b>	<b>2.00</b>	<b>0.30</b>
	<b>595</b>	<b>76</b>
	<b>\$31</b>	<b>\$4</b>
<b>SPACE COOL</b>	<b>1,315.10</b>	<b>1,792.70</b>
	<b>385323</b>	<b>525268</b>
	<b>\$20,345</b>	<b>\$27,787</b>
<b>SPACE HEAT</b>	<b>10.60</b>	<b>0.40</b>
	<b>3116</b>	<b>132</b>
	<b>\$165</b>	<b>\$7</b>
<b>VENT FANS</b>	<b>684.70</b>	<b>622.80</b>
	<b>200612</b>	<b>182466</b>
	<b>\$10,592</b>	<b>\$9,652</b>
<b>NATURAL-GAS(MBtu/therm/\$)</b>	<b>218.60</b>	<b>8.10</b>
	<b>2186</b>	<b>81</b>
	<b>\$1,093</b>	<b>\$41</b>
<b>SPACE HEAT</b>	<b>218.60</b>	<b>8.10</b>
	<b>2186</b>	<b>81</b>
	<b>\$1,093</b>	<b>\$41</b>

Credits Applied: None  
 Passing Criteria = 88564

**PASSES**

Design (including any credits) = 79928  
 Passing requires Proposed Building cost to be at most 100% of  
 Baseline cost. This Proposed Building is at 90.2%

Project: TAM A3  
 Title: TAM Building A3  
 Type: Office  
 (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	150.0	150	96

Tradable Surfaces: 96 (W) Allowance for Tradable: 157.5 (W)  
 All External Lighting: 96 (W)  
 Compliance check includes a excess/Base allowance of 7.50(W)

**PASSES**

Project: TAM A3  
 Title: TAM Building A3  
 Type: Office  
 (WEA File: FL\_ORLANDO\_INTL\_ARPT.tm3)

**Lighting Controls Compliance**

Acronym	Ashrae ID	Description	Area (sq.ft)	Design CP	Min CP	Compliance
Pr0Zo1Sp1	16	Office - Open Plan	14,400	2	2	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo3Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo3Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo3Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo6Sp1	16	Office - Open Plan	22,500	3	3	PASSES
Pr0Zo7Sp1	16	Office - Open Plan	14,400	2	2	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo6Sp1	16	Office - Open Plan	22,500	3	3	PASSES
Pr0Zo13Sp1	16	Office - Open Plan	14,400	2	2	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo6Sp1	16	Office - Open Plan	22,500	3	3	PASSES

**PASSES**



Project: TAM A3  
 Title: TAM Building A3  
 Type: Office  
 (WEA File: FL\_ORLANDO\_INTL\_ARPT.tm3)

### System Report Compliance

<b>Pr0Sy1</b>	<b>System 1</b>	<b>Variable Air Volume Packaged System--903</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	1171205	12.80	9.50	12.90	9.60	<b>PASSES</b>
Heating System	Warm Air Gas Furnace >= 225000 Btu/h	541200	80.00	80.00			<b>PASSES</b>
Air Handling System -Supply	Air Handler (Supply) - Variable Volume	33408	1.25	1.12			<b>FAILS</b>

<b>Pr0Sy2</b>	<b>System 2</b>	<b>Variable Air Volume Packaged System--903</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 240000 to 760000 Btu/h Cooling Capacity	451805	12.80	9.80	12.90	9.90	<b>PASSES</b>
Heating System	Warm Air Gas Furnace < 225000 Btu/h	136880	80.00	80.00			<b>PASSES</b>
Air Handling System -Supply	Air Handler (Supply) - Variable Volume	8449	1.25	1.12			<b>FAILS</b>

<b>Pr0Sy3</b>	<b>System 3</b>	<b>Variable Air Volume Packaged System--903</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 240000 to 760000 Btu/h Cooling Capacity	463985	12.80	9.80	12.90	9.90	<b>PASSES</b>
Heating System	Warm Air Gas Furnace < 225000 Btu/h	136880	80.00	80.00			<b>PASSES</b>
Air Handling System -Supply	Air Handler (Supply) - Variable Volume	8449	1.25	1.12			<b>FAILS</b>

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

Plant Compliance								
Description	Installed No	Size	Design Eff	Min Eff	Design IPLV	Min IPLV	Category	Compliance
Hot Water Boiler (Fuel)	1	1	80.000	82.000			Oil Fired >=300,000 and < 2,500,000 Btu/h	<b>FAILS</b>
<b>FAILS</b>								

Project: TAM A3  
 Title: TAM Building A3  
 Type: Office  
 (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	Gas Storage water heater	>75000 & <=155000 Btu/h; < 4000 (Btu/h)/gal	80.00	0.80		1,080.1	<b>PASSES</b>	
<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: TAM A3**  
**Title: TAM Building A3**  
**Type: Office**  
**(WEA File: FL\_ORLANDO\_INTL\_ARPT.tm3)**

**Other Required Compliance**

Category	Section	Requirement (write N/A in box if not applicable)	Check
<b>Project: TAM A3</b>			<input type="checkbox"/>

# 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:** TAM A3

**Description:** TAM Building A3

**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:** Office

**Class:** New Finished building

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

**Conditioned Area:** 67500 SF

**Conditioned & UnConditioned Area:** 135000 SF

**No of Stories:** 3

**Area entered from Plans** 67500 SF

**Permit No:** 0

**Max Tonnage** 97.6

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

## Compliance Summary

Component	Design	Criteria	Result
Gross Energy Cost (in \$)	79,675.0	75,719.0	<b>FAILED</b>
LIGHTING CONTROLS			<b>PASSES</b>
EXTERNAL LIGHTING			<b>PASSES</b>
HVAC SYSTEM			<b>FAILS</b>
PLANT			<b>FAILS</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: TAM A3  
 Title: TAM Building A3  
 Type: Office  
 (WEA File: FL\_ORLANDO\_INTL\_ARPT.tm3)

### Building End Uses

	1) Proposed	2) Baseline
<b>Total</b>	<i>5,300.10</i>	<i>5,751.20</i>
	<i>\$79,675</i>	<i>\$89,082</i>
<b>ELECTRICITY(MBtu/kWh/\$)</b>	5,078.70	5,745.70
	1488026	1683444
	<i>\$78,568</i>	<i>\$89,054</i>
<b>AREA LIGHTS</b>	1,058.30	1,270.00
	310073	372096
	<i>\$16,372</i>	<i>\$19,684</i>
<b>MISC EQUIPMT</b>	2,025.20	2,025.20
	593376	593376
	<i>\$31,330</i>	<i>\$31,390</i>
<b>PUMPS &amp; MISC</b>	2.10	0.20
	601	50
	<i>\$32</i>	<i>\$3</i>
<b>SPACE COOL</b>	1,301.20	1,821.50
	381244	533685
	<i>\$20,130</i>	<i>\$28,232</i>
<b>SPACE HEAT</b>	10.80	0.30
	3160	89
	<i>\$167</i>	<i>\$5</i>
<b>VENT FANS</b>	681.10	628.50
	199572	184148
	<i>\$10,537</i>	<i>\$9,741</i>
<b>NATURAL-GAS(MBtu/therm/\$)</b>	221.40	5.50
	2214	55
	<i>\$1,107</i>	<i>\$28</i>
<b>SPACE HEAT</b>	221.40	5.50
	2214	55
	<i>\$1,107</i>	<i>\$28</i>

Credits Applied: None

**FAILS**

Passing Criteria = 75719

Design (including any credits) = 79675

Passing requires Proposed Building cost to be at most 85% of Baseline cost. This Proposed Building is at 89.4%

Project: TAM A3

Title: TAM Building A3

Type: Office

(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	150.0	150	96

Tradable Surfaces: 96 (W) Allowance for Tradable: 157.5 (W)

**PASSES**

All External Lighting: 96 (W)

Compliance check includes a excess/Base allowance of 7.50(W)

Project: TAM A3

Title: TAM Building A3

Type: Office

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

### Lighting Controls Compliance

Acronym	Ashrae ID	Description	Area (sq.ft)	Design CP	Min CP	Compliance
Pr0Zo1Sp1	16	Office - Open Plan	14,400	2	2	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo3Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo3Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo3Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo6Sp1	16	Office - Open Plan	22,500	3	3	PASSES
Pr0Zo7Sp1	16	Office - Open Plan	14,400	2	2	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo6Sp1	16	Office - Open Plan	22,500	3	3	PASSES
Pr0Zo13Sp1	16	Office - Open Plan	14,400	2	2	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
Pr0Zo6Sp1	16	Office - Open Plan	22,500	3	3	PASSES

**PASSES**



Project: TAM A3  
 Title: TAM Building A3  
 Type: Office  
 (WEA File: FL\_ORLANDO\_INTL\_ARPT.tm3)

### System Report Compliance

<b>Pr0Sy1</b>	<b>System 1</b>	<b>Variable Air Volume Packaged System--903</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	1171205	12.80	9.70	12.90	9.80	<b>PASSES</b>
Heating System	Warm Air Gas Furnace >= 225000 Btu/h	541200	80.00	80.00			<b>PASSES</b>
Air Handling System -Supply	Air Handler (Supply) - Variable Volume	33408	1.25	1.12			<b>FAILS</b>

<b>Pr0Sy2</b>	<b>System 2</b>	<b>Variable Air Volume Packaged System--903</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 240000 to 760000 Btu/h Cooling Capacity	451805	12.80	10.00	12.90	10.10	<b>PASSES</b>
Heating System	Warm Air Gas Furnace < 225000 Btu/h	136880	80.00	80.00			<b>PASSES</b>
Air Handling System -Supply	Air Handler (Supply) - Variable Volume	8449	1.25	1.12			<b>FAILS</b>

<b>Pr0Sy3</b>	<b>System 3</b>	<b>Variable Air Volume Packaged System--903</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 240000 to 760000 Btu/h Cooling Capacity	463985	12.80	10.00	12.90	10.10	<b>PASSES</b>
Heating System	Warm Air Gas Furnace < 225000 Btu/h	136880	80.00	80.00			<b>PASSES</b>
Air Handling System -Supply	Air Handler (Supply) - Variable Volume	8449	1.25	1.12			<b>FAILS</b>

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

Plant Compliance								
Description	Installed No	Size	Design Eff	Min Eff	Design IPLV	Min IPLV	Category	Compliance
Hot Water Boiler (Fuel)	1	1	80.000	82.000			Oil Fired >=300,000 and < 2,500,000 Btu/h	<b>FAILS</b>
<b>FAILS</b>								

Project: TAM A3  
 Title: TAM Building A3  
 Type: Office  
 (WEA File: FL\_ORLANDO\_INTL\_ARPT.tn3)

Water Heater Compliance								
Description	Type	Category	Design Eff	Min Eff	Design Loss	Max Loss	Compliance	
Water Heater 1	Gas Storage water heater	>75000 & <=155000 Btu/h; < 4000 (Btu/h)/gal	80.00	0.80		1,080.1	<b>PASSES</b>	
<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: TAM A3**  
**Title: TAM Building A3**  
**Type: Office**  
**(WEA File: FL\_ORLANDO\_INTL\_ARPT.tm3)**

**Other Required Compliance**

Category	Section	Requirement (write N/A in box if not applicable)	Check
<b>Project: TAM A3</b>			<input type="checkbox"/>

# DOE Based Sizing

## PROJECT SUMMARY

**Short Desc:** TAM A3

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

**Address1:** Enter Address here

**Address2:** Enter Address here

**Type:** Office

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

**Conditioned Area:** 67500 SF

**No of Stories:** 3

**Permit No:** 0

**Description:** TAM Building A3

**City:** Enter city here

**State:** Enter state here

**Zip:** 0

**Class:** New Finished building

**Conditioned & UnConditioned Area:** 135000 SF

**Area entered from Plans** 67500 SF

**Max Tonnage** 97.6

**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	1171205	BTU/HR
	Heating System	541200	Btu/h
	Air Handling System -Supply	33408	CFM
2	<b>Pr0Sy2</b>	System 2	
	<u>Component</u>	<u>Sized Value</u>	<u>Units</u>
	Cooling System	451805	BTU/HR
	Heating System	136880	Btu/h
	Air Handling System -Supply	8449	CFM
3	<b>Pr0Sy3</b>	System 3	
	<u>Component</u>	<u>Sized Value</u>	<u>Units</u>
	Cooling System	463985	BTU/HR
	Heating System	136880	Btu/h
	Air Handling System -Supply	8449	CFM
10	<b>Hot Water Boiler (Fuel)</b>	Hot Water Boiler (Fuel)	
	<u>Component</u>	<u>Sized Value</u>	<u>Units</u>
	Hot Water Boiler (Fuel)	0.689	[Million Btu/t