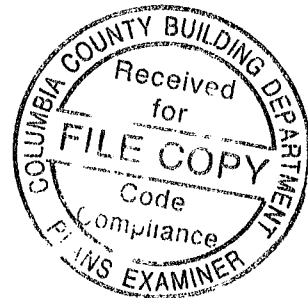


Florida Energy Efficiency Code For Building Construction

EnergyGauge Summit® Fla/Com-2010, Effective Date: March 15, 2012 -- Form 506-2010
Total Building Performance Method for Commercial Buildings

PROJECT SUMMARY

Short Desc: Monsta	Description: Monsta Clothing Co
Owner: Chris Cuadras and Tony Curtis	
Address1: State Road 47	City: Lake City
Address2:	State: FL
	Zip: 32025
Type: Office	Class: New Finished building
Jurisdiction: LAKE CITY, COLUMBIA COUNTY, FL (221200)	
Conditioned Area: 2370 SF	Conditioned & UnConditioned Area: 5000 SF
No of Stories: 1	Area entered from Plans 5000 SF
Permit No: 0	Max Tonnage 5 5
	If different, write in: _____



Compliance Summary

Component	Design	Criteria	Result
Gross Energy Cost (in \$)	1,524.0	1,819.0	PASSED
LIGHTING CONTROLS			PASSES
EXTERNAL LIGHTING			PASSES
HVAC SYSTEM			PASSES
PLANT			None Entered
WATER HEATING SYSTEMS			PASSES
PIPING SYSTEMS			None Entered
Met all required compliance from Check List?			Yes/No/NA
 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.

Project: Monsta
Title: Monsta Clothing Co.
Type: Office
(WEA File: FL JACKSONVILLE INTL ARPT.tm3)

Building End Uses

	1) Proposed	2) Baseline
Total	<i>98.40</i>	<i>153.20</i>
	<i>\$1,524</i>	<i>\$2,274</i>
ELECTRICITY(MBtu/kWh/\$)	98.40	145.60
	28806	42663
	<i>\$1,524</i>	<i>\$2,236</i>
AREA LIGHTS	16.70	35.50
	4900	10401
	<i>\$259</i>	<i>\$545</i>
DOMHOT WATER	0.50	0.50
	145	145
	<i>\$8</i>	<i>\$8</i>
MISC EQUIPMT	40.80	40.80
	11959	11959
	<i>\$633</i>	<i>\$627</i>
PUMPS & MISC	1.00	18.20
	279	5339
	<i>\$15</i>	<i>\$280</i>
SPACE COOL	17.60	26.30
	5160	7714
	<i>\$273</i>	<i>\$404</i>
SPACE HEAT	1.70	5.30
	488	1544
	<i>\$26</i>	<i>\$81</i>
VENT FANS	20.10	19.00
	5875	5561
	<i>\$311</i>	<i>\$291</i>
NATURAL-GAS(MBtu/therm/\$)		7.60
	0	76
	<i>\$0</i>	<i>\$38</i>

	1) Proposed	2) Baseline
SPACE HEAT	0.00	7.60
	0	76
	\$0	\$38
Credits Applied: None		PASSES
Passing Criteria = 1819		
Design (including any credits) = 1524		
Passing requires Proposed Building cost to be at most 80% of		
Baseline cost. This Proposed Building is at 67%		

Project: Monsta
Title: Monsta Clothing Co.
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(WEA File: FL JACKSONVILLE INTL ARPT.tm3)

External Lighting Compliance

Description	Category	Tradable?	Allowance (W/Unit)	Area or Length ELPA or No. of Units (W) (Sqft or ft)	CLP (W)
Ext Light 1	Walk way less than 10 feet wide	Yes	1 00	100.0	100

Tradable Surfaces: 0 (W) Allowance for Tradable: 830 (W)

PASSES

All External Lighting: 0 (W)

Complicance check includes a excess/Base allowance of 750.00(W)

Project: Monsta						
Title: Monsta Clothing Co.						
Type: Office						
(WEA File: FL JACKSONVILLE INTL ARPT.tm3)						
Lighting Controls Compliance						
Acronym	Ashrae ID	Description	Area (sq.ft)	Design CP	Min CP	Compliance
Pr0Zo1Sp1	17	Office - Enclosed	2,370	8	1	PASSES
Pr0Zo3Sp1	2	Storage & Warehouse - Inactive Storage	2,630	2	2	PASSES
						PASSES

Project: Monsta
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System Report Compliance

Pr0Sy1 System 1 Constant Volume Packaged System No. of Units 1

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Conditioners Evap Cooled 65000 to 135000 Btu/h Cooling Cap		15 00	11 50	12 00	11 70	PASSES
Heating System	Heat Pumps Air Cooled (Heating Mode) 65000 to 135000 Btu/h Clg Cap		4.00	3.30			PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume		0 80	0.82			PASSES

Pr0Sy3 System 3 Constant Volume Packaged System No. of Units 1

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Conditioners Evap Cooled 65000 to 135000 Btu/h Cooling Cap		15 00	11 50	12 00	11 70	PASSES
Heating System	Heat Pumps Air Cooled (Heating Mode) 65000 to 135000 Btu/h Clg Cap		4 00	3 30			PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume		0 80	0 82			PASSES

PASSES

Plant Compliance

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

Project: Monsta
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Water Heater Compliance

Description	Type	Category	Design Eff	Min Eff	Design Loss	Max Loss	Comp liance
Water Heater 1	Electric water heater	> 12 [kW]	90 00			241 50	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

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(WEA File: FL_JACKSONVILLE_INTL_ARPT.tm3)

Other Required Compliance

Category	Section	Requirement (write N/A in box if not applicable)	Check
Report	506.4 2	Input Report Print-Out from EnergyGauge FlaCom attached	☐
Operations Manual	303.3 1, 503 2 9 3, 505 7.4 2	Operations manual provided to owner	☐
Windows & Doors	502 3 2	Glazed swinging entrance & revolving doors. max 1 0 cfm/ft², all other products 0 3 cfm/ft²	☐
Joints/Cracks	502 3 3	To be caulked, gasketed, weather-stripped or otherwise sealed	☐
Dropped Ceiling Cavity	502 3	Vented: seal & insulated ceiling Unvented seal & insulate roof & side walls	☐
HVAC Efficiency	503.2.3	Minimum efficiencies Tables 503.2 3(1)-(8)	☐
HVAC Controls	503 2 4	Zone controls prevent reheat (exceptions), separate thermostatic control per zone,	☐
Ventilation	503 2 5	Outdoor air supply & exhaust ducts shall have dampers that automatically shut when systems or spaces served are not in use Exhaust air energy recovery required for cooling systems (Exceptions)	☐
ADS	503.2.7 5	Duct sizing and Design have been performed	☐
HVAC Ducts	503 2 7	Air ducts, fittings, mechanical equipment & plenum chambers shall be mechanically attached, sealed, insulated & installed per Table 503 2 7 2 Fan power limitations	☐
Balancing	503 2 9 1	HVAC distribution system(s) tested & balanced Report in construction documents	☐
Piping Insulation	503 2 8	HAC and service hot water In accordance with Table 503 2 8	☐
Water Heaters	504	Performance requirements in accordance with Table 504 2 Heat trap required	☐
Swimming Pools	504 7	Vapor-retardant or liquid cover or other means proven to reduce heat loss on heated pools; Time switch (exceptions), readily accessible on/off switch	☐
Motors	505.7 5	Motor efficiency criteria have been met	☐
Lighting Controls	505 2, 502 3	Automatic control required for interior lighting in buildings >5,000 s f., Space control, Exterior photo sensor, Tandem wiring with 1 or 3 linear fluorescent lamps>30W	☐