	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
Appl inclu	lications for compliance with the Florida Building Code, Energy Conservation shall Ide:
	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, complaince summary, certifications and detailed component compliance reports
	Boxes appropriately checked in the Miscellanous report generated by the software at the end of the compliance report

Short Desc:	Building D7	Description:	TAM Building D7
Owner:	Enter Owner's name here		
Address1:	Enter Address here	City:	Enter city here
Address2:	Enter Address here	State:	Enter state here
		Zip:	0
Туре:	Multi-Family	Class:	New Finished building
Jurisdiction:	MIAMI, MIAMI-DADE COUN	VTY, FL (232400)	
Conditioned Area:	130200 SF	Conditioned & UnConditioned Area:	130200 SF
No of Stories:	1	Area entered from Plans	0 SF
Permit No:	0	Max Tonnage	311.8
		If different, write in:	

Compliance Summary					
Component	Design	Criteria	Result		
Gross Energy Cost (in \$)	112,637.0	114,819.0	PASSED		
LIGHTING CONTROLS			PASSES		
EXTERNAL LIGHTING			PASSES		
HVAC SYSTEM			FAILS		
PLANT			FAILS		
WATER HEATING SYSTEMS			No Entry		
PIPING SYSTEMS			No Entry		
Met all required compliance from Check List?			Yes/No/NA		

	CERTIFICATIONS	
I hereby certify that the plans and Florida Energy Code	specifications covered by this calculation are in compliance	with the
Prepared By:	Building Official:	
Date:	Date:	
I certify that this building is in com	pliance with the FLorida Energy Efficiency Code	
Owner Agent:	Date:	
If Required by Florida law, I hereb Efficiency Code	by certify (*) that the system design is in compliance with the	Florida Energy
Architect:	Reg No:	
Electrical Designer:	Reg No:	
Lighting Designer:	Reg No:	
Mechanical Designer:	Reg No:	
Plumbing Designer:	Reg No:	
	lorida Law requires design to be performed by registered de registration numbers may be used where all relevant information.	

Project: Building D7
Title: TAM Building D7
Type: Multi-Family
(WEA File: FL_MIAMI_INTL_AP.tm3)

Build	ling End Uses	
	1) Proposed	2) Baseline
1	7,389.20	7,452.50
	\$112,637	\$114,819
ELECTRICITY(MBtu/kWh/\$)	7,352.40	7,449.10
	2154275	2182548
	\$112,453	\$114,802
AREA LIGHTS	2,196.60	968.30
	643612	283703
	\$33,597	\$14,923
HEAT REJECT	496.80	489.10
	145564	143301
	\$7,598	\$7,538
MISC EQUIPMT	1,481.10	1,481.10
	433964	433964
	\$22,653	\$22,827
PUMPS & MISC	206.80	253.90
	60591	74391
	\$3,163	\$3,913
SPACE COOL	1,606.40	3,448.80
	470686	1010485
	\$24,570	\$53,152
SPACE HEAT	2.10	0.20
	607	54
	\$32	\$3
VENT FANS	1,362.60	807.70
	399251	236650
	\$20,841	\$12,448
NATURAL-GAS(MBtu/therm/\$)	36.80	3.40
	368	34
	\$184	\$17

				1) Proposed	2) Ba	aseline	
	SPACE	HEAT		36.80		3.40	
				368		34	
				\$184		\$17	
Credits Applie						PASSI	ES
Passing Criter							
0 (e .	dits) = 112637					
Passing requir	es Propose	d Building cost to be at	t most 100%	of			
Baseline cost. '	This Propo	sed Building is at 98.19	%				
Project: Building	D7						
Froject: Building							
Type: Multi-Fam	0						
(WEA File: FL_N		_AP.tm3)					
		External	Lighting C	ompliance	е		
Description		Category	Tradable?	Allowance (W/Unit)	Area or Length or No. of Units	ELPA (W)	CLP (W)
					(Sqft or ft)		
Ext Light 3 Tradable Surf All External I	faces: 0 (W)	Walk way less than 10 feet w) Allowance for Tradal (W)		1.00	(Sqft or ft) 150.0	150 PA	SSES
Tradable Surf All External I Complicance o Project: Building Fitle: TAM Buildi Type: Multi-Fami	faces: 0 (W) Lighting: 0 (check includ D7 ing D7 ly) Allowance for Tradal (W) des a excess/Base allow	ble: 157.5 (W)			
Tradable Surf All External I Complicance o Project: Building Fitle: TAM Buildi Type: Multi-Fami	faces: 0 (W) Lighting: 0 (check includ D7 ing D7 ly) Allowance for Tradal (W) des a excess/Base allow	ble: 157.5 (W)			
Tradable Surf All External I	faces: 0 (W) Lighting: 0 (check includ D7 ing D7 ly) Allowance for Tradal (W) des a excess/Base allow	ble: 157.5 (W vance of 7.50() (W)			
Tradable Surf All External I Complicance o Project: Building Title: TAM Buildi Ype: Multi-Fami	faces: 0 (W) Lighting: 0 (check includ D7 ing D7 ly) Allowance for Tradal (W) des a excess/Base allow _AP.tm3)	ble: 157.5 (W vance of 7.50() (W)		PA	
Tradable Surf All External I Complicance o Project: Building Fitle: TAM Buildi Fype: Multi-Fami WEA File: FL_M	faces: 0 (W) Lighting: 0 (check inclue D7 Ing D7 Iy IIAMI_INTL Ashrae ID) Allowance for Tradal (W) des a excess/Base allow _AP.tm3) Lighting Co	ble: 157.5 (W vance of 7.50() W) pliance Area	150.0	PA Min CP	SSES
Tradable Surf All External I Complicance o Project: Building Title: TAM Buildi Ype: Multi-Fami WEA File: FL_M Acronym	faces: 0 (W) Lighting: 0 (check inclue D7 ing D7 ly IIAMI_INTL Ashrae ID 25,001) Allowance for Tradal (W) des a excess/Base allow _AP.tm3) Lighting Co Description	ble: 157.5 (W vance of 7.50() W) pliance Area (sq.ft)	150.0	PA Min CP 2 PA	SSES Compliance
Tradable Surf All External I Complicance o Project: Building Fitle: TAM Buildi Type: Multi-Fami WEA File: FL_M Acronym Pr0Zo1Sp1 Pr0Zo2Sp1 Pr0Zo3Sp1	faces: 0 (W) Lighting: 0 (check includ D7 ing D7 ly IIAMI_INTL Ashrae ID 25,001 25,001 16) Allowance for Tradal (W) des a excess/Base allow _AP.tm3) Lighting Co Description Sales Area Sales Area Office - Open Plan	ble: 157.5 (W vance of 7.50((W) pliance Area (sq.ft) 13,500 13,500 13,500	150.0	PA Min CP 2 PA 2 PA 2 PA 2 PA	SSES Compli- ance SSES SSES SSES
Tradable Surf All External I Complicance o Project: Building Title: TAM Buildi Type: Multi-Fami WEA File: FL_M Acronym Pr0Zo1Sp1 Pr0Zo2Sp1 Pr0Zo3Sp1 Pr0Zo3Sp1 Pr0Zo4Sp1	faces: 0 (W) Lighting: 0 (check includ D7 ing D7 ly IIAMI_INTL Ashrae ID 25,001 25,001 16 16) Allowance for Tradal (W) des a excess/Base allow _AP.tm3) Lighting Co Description Sales Area Sales Area Office - Open Plan Office - Open Plan	ble: 157.5 (W vance of 7.50() (W) pliance Area (sq.ft) 13,500 13,500 13,500 13,500	150.0	PA Min CP 2 PA 2 PA 2 PA 2 PA 2 PA 2 PA	SSES Compli- ance SSES SSES SSES SSES
Tradable Surf All External I Complicance o Project: Building Title: TAM Buildi Type: Multi-Fami WEA File: FL_M Acronym Pr0Zo1Sp1 Pr0Zo2Sp1 Pr0Zo3Sp1 Pr0Zo3Sp1 Pr0Zo4Sp1 Pr0Zo5Sp1	faces: 0 (W) Lighting: 0 (check includ D7 ing D7 ly IIAMI_INTL Ashrae ID 25,001 25,001 16 16 16) Allowance for Tradal (W) des a excess/Base allow _AP.tm3) Lighting Co Description Sales Area Sales Area Office - Open Plan Office - Open Plan Office - Open Plan	ble: 157.5 (W vance of 7.50((W) Pliance Area (sq.ft) 13,500 13,500 13,500 13,500 13,500 13,500	150.0 Design CP 2 2 2 2 2 2 2 2 2	PA Min CP 2 PA 2 PA 2 PA 2 PA 2 PA 2 PA 2 PA	SSES Compli- ance SSES SSES SSES SSES SSES SSES
Tradable Surf All External I Complicance o Project: Building Fitle: TAM Buildi Sype: Multi-Fami WEA File: FL_M Acronym Pr0Zo1Sp1 Pr0Zo2Sp1 Pr0Zo3Sp1 Pr0Zo3Sp1 Pr0Zo5Sp1 Pr0Zo5Sp1 Pr0Zo4Sp1	faces: 0 (W) Lighting: 0 (check inclue D7 ing D7 ly IIAMI_INTL Ashrae ID 25,001 25,001 16 16 16 16	Allowance for Tradal (W) des a excess/Base allow _AP.tm3) Lighting Co Description Sales Area Sales Area Office - Open Plan Office - Open Plan Office - Open Plan Office - Open Plan Office - Open Plan	ble: 157.5 (W vance of 7.50(W) pliance Area (sq.ft) 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500	150.0 Design CP 2 2 2 2 2 2 2 2 2 2 2	PA Min CP 2 PA 2 PA 2 PA 2 PA 2 PA 2 PA 2 PA 2 P	SSES Compli- ance SSES SSES SSES SSES SSES SSES SSES
Tradable Surf All External I Complicance o Project: Building fitle: TAM Buildi Type: Multi-Fami WEA File: FL_M MEA File: FL_M Pr0Zo1Sp1 Pr0Zo2Sp1 Pr0Zo3Sp1 Pr0Zo3Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo7Sp1	faces: 0 (W) Lighting: 0 (check inclue D7 ing D7 ly IIAMI_INTL Ashrae ID 25,001 25,001 16 16 16 16 16 16	Allowance for Tradal (W) des a excess/Base allow _AP.tm3) Lighting Co Description Sales Area Sales Area Office - Open Plan Office - Open Plan	ble: 157.5 (W vance of 7.50(W) pliance Area (sq.ft) 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500	150.0 Design CP 2 2 2 2 2 2 2 2 2 2 2 2 2	PA Min CP 2 PA 2 PA 2 PA 2 PA 2 PA 2 PA 2 PA 2 P	SSES Compli- ance SSES SSES SSES SSES SSES SSES SSES SS
Tradable Surf All External I Complicance o Project: Building Fitle: TAM Buildi Type: Multi-Fami WEA File: FL_M Acronym Pr0Zo1Sp1 Pr0Zo2Sp1 Pr0Zo2Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1	faces: 0 (W) Lighting: 0 (check include D7 ing D7 ly IIAMI_INTL 25,001 25,001 25,001 16 16 16 16 16 16,001 16,001	Allowance for Tradal (W) des a excess/Base allow _AP.tm3) Lighting Co Description Sales Area Sales Area Office - Open Plan Office - Open Plan Private Living Space Private Living Space	ble: 157.5 (W vance of 7.50(W) pliance Area (sq.ft) 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 12,300	150.0 Design CP 2 2 2 2 2 2 2 2 2 2 2 2 2	PA Min CP 2 PA 2 PA 2 PA 2 PA 2 PA 2 PA 2 PA 2 P	SSES Compli- ance SSES SSES SSES SSES SSES SSES SSES SS
Tradable Surf All External I Complicance o Project: Building Fitle: TAM Buildi Type: Multi-Fami WEA File: FL_M Acronym Pr0Zo1Sp1 Pr0Zo2Sp1 Pr0Zo3Sp1 Pr0Zo3Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1	faces: 0 (W) Lighting: 0 (check includ D7 ing D7 ly IIAMI_INTL 25,001 25,001 25,001 16 16 16 16 16 16,001 16,001 16,001	Allowance for Tradal (W) des a excess/Base allow _AP.tm3) Lighting Co Description Sales Area Sales Area Office - Open Plan Office - Open Plan Private Living Space Private Living Space Private Living Space	ble: 157.5 (W vance of 7.50(W) pliance Area (sq.ft) 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 12,300 12,300	150.0 Design CP 2 2 2 2 2 2 2 2 2 2 2 2 2	PA Min CP 2 PA 2 PA 2 PA 2 PA 2 PA 2 PA 2 PA 2 P	SSES Compli- ance SSES SSES SSES SSES SSES SSES SSES SS
Tradable Surf All External I Complicance o Project: Building Title: TAM Buildi Ype: Multi-Fami WEA File: FL_M Acronym Pr0Zo1Sp1 Pr0Zo2Sp1 Pr0Zo2Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1	faces: 0 (W) Lighting: 0 (check includ D7 ing D7 ly IIAMI_INTL 25,001 25,001 25,001 16 16 16 16 16 16,001 16,001 16,001	Allowance for Tradal (W) des a excess/Base allow _AP.tm3) Lighting Co Description Sales Area Sales Area Office - Open Plan Office - Open Plan Private Living Space Private Living Space	ble: 157.5 (W vance of 7.50(W) pliance Area (sq.ft) 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 12,300	150.0 Design CP 2 2 2 2 2 2 2 2 2 2 2 2 2	PA Min CP 2 PA 2 PA 2 PA 2 PA 2 PA 2 PA 2 PA 2 P	SSES Compli- ance SSES SSES SSES SSES SSES SSES SSES SS
Tradable Surf All External I Complicance o Project: Building Fitle: TAM Buildi Type: Multi-Fami WEA File: FL_M Acronym Pr0Zo1Sp1 Pr0Zo2Sp1 Pr0Zo3Sp1 Pr0Zo3Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1	faces: 0 (W) Lighting: 0 (check includ D7 ing D7 ly IIAMI_INTL 25,001 25,001 25,001 16 16 16 16 16 16,001 16,001 16,001	Allowance for Tradal (W) des a excess/Base allow _AP.tm3) Lighting Co Description Sales Area Sales Area Office - Open Plan Office - Open Plan Private Living Space Private Living Space Private Living Space	ble: 157.5 (W vance of 7.50(W) pliance Area (sq.ft) 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 12,300 12,300	150.0 Design CP 2 2 2 2 2 2 2 2 2 2 2 2 2	PA Min CP 2 PA 2 PA 2 PA 2 PA 2 PA 2 PA 2 PA 2 P	SSES Compli- ance SSES SSES SSES SSES SSES SSES SSES SS

Project: Building D7 Title: TAM Building D7 Type: Multi-Family (WEA File: FL_MIAMI_INTL_AP.tm3)

	Syster	n Report (Compli	ance			
Pr0Sy1	•	Varia	ble Air Volu m904	me Built-up	Ν	lo. of Units 1	
Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Comp- liance
Cooling System Heating System Air Handling System -Supply	Compliance Not Applicable Heat source from plant Air Handler (Supply) - Variable Volume	1626483 566280 34955	1.25	1.12			PASSES PASSES FAILS
Pr0Sy2	System 2			tant Volume Coil Built-up	-	N	lo. of Units 1
Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Comp- liance
Cooling System Heating System Air Handling System -Supply	Compliance Not Applicable Heat source from plant Air Handler (Supply) - Constant Volume	2727080 3295200 68301	0.80	0.82			PASSES PASSES PASSES
						FAILS	

		13)	Plan	t Comp	liance			
Description	Installed No	Size	Design Eff	Min Eff	Design IPLV	Min IPLV	Category	Comp liance
Open centrifugal, chiller	1	312	5.680	6.104	5.900	6.404	Water Chilling Pkg (Centrifugal) Elec. Operated Water Cooled 300-600 Tons	FAILS
Cooling Tower	1	0	14.000	14.000			Closed Cooling Tower - Propeller Fan	PASSES
Hot Water Boiler (Fuel)	1	2	86.000	82.000			Oil Fired >=300,000 and < 2,500,000 Btu/h	PASSES

		Water Heater (Complia	nce				
Description	Туре	Category		Design Eff	Min Eff	Design Loss	Max Loss	Comp liance
								None
		Piping S	System (Compli	iance			
Category		Pipe Dia Is [inches] Runout?	Operating Temp [F]	g Ins C [Btu-i .SF.	n/hr	Ins Thick [in]	Req Thick	-
							None	
Project: Building D7 Title: TAM Building D7 Type: Multi-Family (WEA File: FL_MIAM								
		Other Requ	uired Co	omplia	nce			
Category	Section	Requirement (writ	te N/A in bo	ox if not a	applical	ole)		Check
Project: Building D	7							

	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
Appli inclu	ications for compliance with the Florida Building Code, Energy Conservation shall de:
	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, complaince summary, certifications and detailed component compliance reports
	Boxes appropriately checked in the Miscellanous report generated by the software at the end of the compliance report

Short Desc:	Building D7	Description:	TAM Building D7
Owner:	Enter Owner's name here		
Address1:	Enter Address here	City:	Enter city here
Address2:	Enter Address here	State:	Enter state here
		Zip:	0
Туре:	Multi-Family	Class:	New Finished building
Jurisdiction:	MIAMI, MIAMI-DADE COUN	VTY, FL (232400)	
Conditioned Area:	130200 SF	Conditioned & UnConditioned Area:	130200 SF
No of Stories:	1	Area entered from Plans	0 SF
Permit No:	0	Max Tonnage	311.8
		If different, write in:	

Compliance Summary				
Component	Design	Criteria	Result	
Gross Energy Cost (in \$)	111,436.0	98,880.0	FAILED	
LIGHTING CONTROLS			PASSES	
EXTERNAL LIGHTING			PASSES	
HVAC SYSTEM			FAILS	
PLANT			FAILS	
WATER HEATING SYSTEMS			No Entry	
PIPING SYSTEMS			No Entry	
Met all required compliance from Check List?			Yes/No/NA	

	CERTIFICATIONS	
I hereby certify that the plans and Florida Energy Code	specifications covered by this calculation are in compliance	with the
Prepared By:	Building Official:	
Date:	Date:	
I certify that this building is in com	pliance with the FLorida Energy Efficiency Code	
Owner Agent:	Date:	
If Required by Florida law, I hereb Efficiency Code	by certify (*) that the system design is in compliance with the	Florida Energy
Architect:	Reg No:	
Electrical Designer:	Reg No:	
Lighting Designer:	Reg No:	
Mechanical Designer:	Reg No:	
Plumbing Designer:	Reg No:	
	lorida Law requires design to be performed by registered de registration numbers may be used where all relevant information.	

Project: Building D7
Title: TAM Building D7
Type: Multi-Family
(WEA File: FL_MIAMI_INTL_AP.tm3)

Building End Uses			
	1) Proposed	2) Baseline	
I	7,315.10	7,549.30	
	\$111,436	\$116,329	
ELECTRICITY(MBtu/kWh/\$)	7,271.80	7,547.50	
	2130645	2211405	
	\$111,220	\$116,320	
AREA LIGHTS	2,196.60	1,129.70	
	643612	330993	
	\$33,597	\$17,410	
HEAT REJECT	489.60	472.90	
	143442	138552	
	\$7,488	\$7,288	
MISC EQUIPMT	1,481.10	1,481.10	
	433964	433964	
	\$22,653	\$22,827	
PUMPS & MISC	202.30	241.00	
	59279	70612	
	\$3,094	\$3,714	
SPACE COOL	1,578.90	3,415.40	
	462617	1000720	
	\$24,149	\$52,638	
SPACE HEAT	2.40	0.10	
	718	22	
	\$37	\$1	
VENT FANS	1,320.90	807.30	
	387013	236542	
	\$20,202	\$12,442	
NATURAL-GAS(MBtu/therm/\$)	43.30	1.80	
	433	18	
	\$217	\$9	

				1) Proposed	2)	Baseline		
	SPACE	HEAT		43.30	1	1.80		
	•••••=			433		18		
				\$217	,	\$9		
Credits Applie						FA	AILS	
Passing Criter								
0 (•••	dits) = 111436		_				
•••	-	d Building cost to be a		f				
Baseline cost. '	This Propo	sed Building is at 95.89	0⁄0					
Project: Building	D7							
Fitle: TAM Build	-							
Type: Multi-Fam	-	A D 4						
WEA File: FL_N			Lighting C	omplianc	e			
Description		Category	Tradable?	Allowance (W/Unit)	Area or Leng or No. of Uni	ts (W)		CLP (W)
					(Sqft or ft)			
Ext Light 3		Walk way less than 10 feet v		1.00	(Sqft or ft) 150.	0 1	50 PASSES	
Tradable Surf All External I Complicance c Project: Building Title: TAM Buildi Ype: Multi-Fami	faces: 0 (W) Lighting: 0 check inclue D7 ing D7 ly) Allowance for Tradal (W) des a excess/Base allow	ble: 157.5 (W)		0 1	50 PASSES	
Tradable Surf All External I	faces: 0 (W) Lighting: 0 check inclue D7 ing D7 ly) Allowance for Tradal (W) des a excess/Base allow _AP.tm3)	ble: 157.5 (W) (W)		0 1		
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Tradable Surf All External I Complicance c roject: Building itle: TAM Buildi ype: Multi-Fami VEA File: FL_M Acronym	faces: 0 (W) Lighting: 0 check inclue D7 ing D7 ly IIAMI_INTL Ashrae ID) Allowance for Tradal (W) des a excess/Base allow _AP.tm3) Lighting Co	ble: 157.5 (W) W) pliance Area	150.4	0 1	PASSES	-
Tradable Surf All External I Complicance o roject: Building itle: TAM Buildi ype: Multi-Fami VEA File: FL_M Acronym	faces: 0 (W) Lighting: 0 check inclue D7 ing D7 ly IIAMI_INTL Ashrae ID 25,001) Allowance for Tradal (W) des a excess/Base allow _AP.tm3) Lighting Co Description	ble: 157.5 (W) W) pliance Area (sq.ft)	150.4 Design CP	0 1 Min CP 2	PASSES	-
Tradable Surf All External I Complicance o roject: Building itle: TAM Buildi ype: Multi-Fami WEA File: FL_M Acronym Pr0Zo1Sp1 Pr0Zo2Sp1 Pr0Zo3Sp1	faces: 0 (W) Lighting: 0 check inclue D7 ing D7 ly IIAMI_INTL Ashrae ID 25,001 25,001 16) Allowance for Tradal (W) des a excess/Base allow _AP.tm3) Lighting Co Description Sales Area Sales Area Office - Open Plan	ble: 157.5 (W	(W) pliance Area (sq.ft) 13,500 13,500 13,500	150.0 Design CP 2 2 2 2	0 1 Min CP 2 2 2 2 2	PASSES Compli- ance PASSES PASSES PASSES	-
Tradable Surf All External I Complicance of roject: Building itle: TAM Buildi ype: Multi-Fami WEA File: FL_M Acronym Pr0Zo1Sp1 Pr0Zo2Sp1 Pr0Zo3Sp1 Pr0Zo3Sp1 Pr0Zo4Sp1	faces: 0 (W) Lighting: 0 (E) Check inclue D7 ing D7 ly IIAMI_INTL Ashrae ID 25,001 25,001 16 16) Allowance for Tradal (W) des a excess/Base allow _AP.tm3) Lighting Co Description Sales Area Sales Area Office - Open Plan Office - Open Plan	ble: 157.5 (W	(W) Pliance Area (sq.ft) 13,500 13,500 13,500 13,500	150.0 Design CP 2 2 2 2 2 2 2	0 1 Min CP 2 2 2 2 2 2 2	PASSES Compli- ance PASSES PASSES PASSES PASSES PASSES	-
Fradable Surf All External I Complicance of roject: Building itle: TAM Buildi ype: Multi-Famil VEA File: FL_M Acronym Pr0Zo1Sp1 Pr0Zo2Sp1 Pr0Zo3Sp1 Pr0Zo4Sp1 Pr0Zo5Sp1 Pr0Zo5Sp1	faces: 0 (W) Lighting: 0 (E check inclue) D7 Ing D7 Iy IIAMI_INTL Ashrae ID 25,001 25,001 16 16 16) Allowance for Tradal (W) des a excess/Base allow _AP.tm3) Lighting Co Description Sales Area Sales Area Office - Open Plan Office - Open Plan Office - Open Plan	ble: 157.5 (W	(W) pliance Area (sq.ft) 13,500 13,500 13,500 13,500 13,500	150.0 Design CP 2 2 2 2 2 2 2 2 2 2 2	0 1 Min CP 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PASSES Compli- ance PASSES PASSES PASSES PASSES PASSES PASSES	-
Tradable Surf All External I Complicance o roject: Building itle: TAM Buildi ype: Multi-Fami WEA File: FL_M Acronym Pr0Zo1Sp1 Pr0Zo2Sp1 Pr0Zo3Sp1 Pr0Zo3Sp1 Pr0Zo5Sp1 Pr0Zo5Sp1 Pr0Zo4Sp1	faces: 0 (W) Lighting: 0 check inclue D7 ing D7 ly IIAMI_INTL Ashrae ID 25,001 25,001 16 16 16 16	Allowance for Tradal (W) des a excess/Base allow _AP.tm3) Lighting Co Description Sales Area Sales Area Office - Open Plan Office - Open Plan Office - Open Plan Office - Open Plan Office - Open Plan	ble: 157.5 (W	W) pliance Area (sq.ft) 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500	150.4 Design CP 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 1 Min CP 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PASSES Compli- ance PASSES PASSES PASSES PASSES PASSES PASSES PASSES	-
Tradable Surf All External I Complicance o roject: Building itle: TAM Buildi ype: Multi-Fami WEA File: FL_M Acronym Pr0Zo1Sp1 Pr0Zo2Sp1 Pr0Zo3Sp1 Pr0Zo3Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo7Sp1	faces: 0 (W) Lighting: 0 check inclue D7 ing D7 ly IIAMI_INTL Ashrae ID 25,001 25,001 16 16 16 16 16 16	Allowance for Tradal (W) des a excess/Base allow _AP.tm3) Lighting Co Description Sales Area Sales Area Office - Open Plan Office - Open Plan	ble: 157.5 (W	W) pliance Area (sq.ft) 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500	150.4 Design CP 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 1 Min CP 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PASSES Compli- ance PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES	-
Tradable Surf All External I Complicance of roject: Building Title: TAM Buildi ype: Multi-Fami WEA File: FL_M Acronym Pr0Zo1Sp1 Pr0Zo2Sp1 Pr0Zo3Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1	faces: 0 (W) Lighting: 0 check inclue D7 ing D7 ly IIAMI_INTL 25,001 25,001 25,001 16 16 16 16 16 16,001 16,001	Allowance for Tradal (W) des a excess/Base allow _AP.tm3) Lighting Co Description Sales Area Sales Area Office - Open Plan Office - Open Plan Private Living Space Private Living Space	ble: 157.5 (W	W) pliance Area (sq.ft) 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 12,300 12,300	150.4 Design CP 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 1 Min CP 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PASSES Compli- ance PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES	-
Tradable Surf All External I Complicance of roject: Building itle: TAM Buildi ype: Multi-Fami WEA File: FL_M Acronym Pr0Zo1Sp1 Pr0Zo2Sp1 Pr0Zo3Sp1 Pr0Zo3Sp1 Pr0Zo5Sp1 Pr0Zo5Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1	faces: 0 (W) Lighting: 0 check inclue D7 ing D7 ly IIAMI_INTL 25,001 25,001 25,001 16 16 16 16 16 16,001 16,001 16,001	Allowance for Tradal (W) des a excess/Base allow _AP.tm3) Lighting Co Description Sales Area Sales Area Office - Open Plan Office - Open Plan	ble: 157.5 (W	W) pliance Area (sq.ft) 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500	150.4 Design CP 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	D 1	PASSES Compli- ance PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES	
Tradable Surf All External I Complicance o roject: Building itle: TAM Buildi ype: Multi-Fami WEA File: FL_M Acronym Pr0Zo1Sp1 Pr0Zo2Sp1 Pr0Zo3Sp1 Pr0Zo3Sp1 Pr0Zo5Sp1 Pr0Zo5Sp1 Pr0Zo4Sp1	faces: 0 (W) Lighting: 0 check inclue D7 ing D7 ly IIAMI_INTL 25,001 25,001 25,001 16 16 16 16 16 16,001 16,001 16,001	Allowance for Tradal (W) des a excess/Base allow _AP.tm3) Lighting Co Description Sales Area Sales Area Office - Open Plan Office - Open Plan Private Living Space Private Living Space Private Living Space	ble: 157.5 (W	W) pliance Area (sq.ft) 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 12,300 12,300	150.4 Design CP 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	D 1	PASSES Compli- ance PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES	-

Project: Building D7 Title: TAM Building D7 Type: Multi-Family (WEA File: FL_MIAMI_INTL_AP.tm3)

	Syster	n Report (Compli	ance			
Pr0Sy1	-		Varia	ble Air Volu m904	me Built-up	Ν	lo. of Units 1
Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Comp- liance
Cooling System Heating System Air Handling System -Supply	Compliance Not Applicable Heat source from plant Air Handler (Supply) - Variable Volume	1626483 566280 34955	1.25	1.12			PASSES PASSES FAILS
Pr0Sy2	System 2			tant Volume Coil Built-up	-	N	lo. of Units 1
Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Comp- liance
Cooling System Heating System Air Handling System -Supply	Compliance Not Applicable Heat source from plant Air Handler (Supply) - Constant Volume	2727080 3295200 68301	0.80	0.82			PASSES PASSES PASSES
						FAILS	

		13)	Plan	t Comp	liance			
Description	Installed No	Size	Design Eff	Min Eff	Design IPLV	Min IPLV	Category	Comp liance
Open centrifugal, chiller	1	312	5.680	6.104	5.900	6.404	Water Chilling Pkg (Centrifugal) Elec. Operated Water Cooled 300-600 Tons	FAILS
Cooling Tower	1	0	14.000	14.000			Closed Cooling Tower - Propeller Fan	PASSES
Hot Water Boiler (Fuel)	1	2	86.000	82.000			Oil Fired >=300,000 and < 2,500,000 Btu/h	PASSES

		Water Heater (Complia	nce				
Description	Туре	Category		Design Eff	Min Eff	Design Loss	Max Loss	Comp liance
								None
		Piping S	System (Compli	iance			
Category		Pipe Dia Is [inches] Runout?	Operating Temp [F]	g Ins C [Btu-i .SF.	n/hr	Ins Thick [in]	Req Thick	-
							None	
Project: Building D7 Title: TAM Building D7 Type: Multi-Family (WEA File: FL_MIAM								
		Other Requ	uired Co	omplia	nce			
Category	Section	Requirement (writ	te N/A in bo	ox if not a	applical	ole)		Check
Project: Building D	7							

DOE Based Sizing

PROJECT SUMMARY

Short Desc:	Building D7	Description:	TAM Building D7
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:	Multi-Family	Class:	New Finished building
Weather File:	FL_MIAMI_INTL_AP.tm3		
Conditioned Area:	130200 SF	Conditioned & UnConditioned Area:	130200 SF
No of Stories:	1	Area entered from Plans	0 SF
Permit No:	0	Max Tonnage	1
		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 com	npliance as required by the authority of jurisdiction	
Owner Agent:	Date:	
If required by law, I hereby certify jurisdiction	(*) that the system design is in compliance as required by t	he authority of
Architect:	Reg No:	
Electrical Designer:	Reg No:	
Lighting Designer:	Reg No:	
Mechanical Designer:	Reg No:	
Plumbing Designer:	Reg No:	
	nen law requires design to be performed by registered desig mbers may be used where all relevant information is contair	

DOE 2.1 E Based Sized Parameters (Beta Feature)

<u>IdSystem</u>	System Name	System Typ	e
1	Pr0Sy1	System 1	-
	<u>Component</u>	Sized Value	<u>Units</u>
	Cooling System Heating System Air Handling System -Supply	1626483 566280 34955	BTU/HR Btu/h CFM
2	Pr0Sy2	System 2	
	<u>Component</u>	Sized Value	<u>Units</u>
	Cooling System Heating System Air Handling System -Supply	2727080 3295200 68301	BTU/HR Btu/h CFM
7	Open centrifugal, chiller	Open centrifu	gal, chiller
	Component	Sized Value	<u>Units</u>
	Open centrifugal, chiller	311.8333	[Tons]
8	Cooling Tower	Cooling Towe	r
	<u>Component</u>	Sized Value	<u>Units</u>
	Cooling Tower	4.448	
9	Hot Water Boiler (Fuel)	Hot Water Bo	iler (Fuel)
	<u>Component</u>	Sized Value	<u>Units</u>
	Hot Water Boiler (Fuel)	1.658	[Million Btu/ł

	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
Appl inclu	lications for compliance with the Florida Building Code, Energy Conservation shall Ide:
	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, complaince summary, certifications and detailed component compliance reports
	Boxes appropriately checked in the Miscellanous report generated by the software at the end of the compliance report

Short Desc:	Building D7	Description:	TAM Building D7
Owner:	Enter Owner's name here		
Address1:	Enter Address here	City:	Enter city here
Address2:	Enter Address here	State:	Enter state here
		Zip:	0
Туре:	Multi-Family	Class:	New Finished building
Jurisdiction:	ORLANDO, ORANGE COUN	TY, FL (582100)	
Conditioned Area:	130200 SF	Conditioned & UnConditioned Area:	130200 SF
No of Stories:	1	Area entered from Plans	0 SF
Permit No:	0	Max Tonnage	278.8
		If different, write in:	

Compliance Summary					
Component	Design	Criteria	Result		
Gross Energy Cost (in \$)	107,202.0	99,474.0	FAILED		
LIGHTING CONTROLS			PASSES		
EXTERNAL LIGHTING			PASSES		
HVAC SYSTEM			FAILS		
PLANT			PASSES		
WATER HEATING SYSTEMS			No Entry		
PIPING SYSTEMS			No Entry		
Met all required compliance from Check List?			Yes/No/NA		

CERTIFICATIONS				
I hereby certify that the plans and Florida Energy Code	specifications covered by this calculation are in compliance	with the		
Prepared By:	Building Official:			
Date:	Date:			
I certify that this building is in com	pliance with the FLorida Energy Efficiency Code			
Owner Agent:	Date:			
If Required by Florida law, I hereb Efficiency Code	by certify (*) that the system design is in compliance with the	Florida Energy		
Architect:	Reg No:			
Electrical Designer:	Reg No:			
Lighting Designer:	Reg No:			
Mechanical Designer:	Reg No:			
Plumbing Designer:	Reg No:			
	lorida Law requires design to be performed by registered de registration numbers may be used where all relevant information.			

roject: Building D7 tle: TAM Building D7				
pe: Multi-Family /EA File: FL_ORLANDO_INTL_ARPT.tm3)				
Building End Uses				
	1) Proposed	2) Baseline		
Total	7,238.00	6,487.20		
	\$107,202	\$99,474		
ELECTRICITY(MBtu/kWh/\$)	6,898.00 2021102 \$105,502	6,438.80 1886536 \$99,232		
AREA LIGHTS	2,196.60 643612 \$33,597	968.30 283703 \$14,923		
HEAT REJECT	416.80 122129 \$6,375	400.40 117309 \$6,170		
MISC EQUIPMT	1,481.10 433964 \$22,653	1,481.10 433964 \$22,827		
PUMPS & MISC	198.40 58122 \$ <i>3,034</i>	238.40 69857 \$3,674		
SPACE COOL	1,308.60 383414 \$20,014	2,666.20 781191 \$ <i>41,091</i>		
SPACE HEAT	18.80 5506 \$287	2.50 720 \$38		
VENT FANS	1,277.70 374355 \$19,541	681.90 199792 \$10,509		
NATURAL-GAS(MBtu/therm/\$)	340.00 3400 \$1,700	48.40 484 \$242		

				1) Proposed	2) Da	aseline		
	SPACE	HEAT		340.00		48.40		
				3400		484		
				\$1,700		\$242	_	
Credits Applie						FA	AILS	
Passing Criter					L			
0 (e .	dits) = 107202						
Passing requir	es Propose	d Building cost to be at	most 100%	of				
Baseline cost. '	This Propo	sed Building is at 107.8	9%					
Project: Building	D7							
Title: TAM Build	ing D7							
Type: Multi-Fam	•							
WEA File: FL_C	DRLANDO_II	NTL_ARPT.tm3)						
		External	Lighting C	ompliance				
Description		Category	Tradable?	Allowance (W/Unit)	Area or Length or No. of Units	ELPA (W)	X	CLP (W)
					(Sqft or ft)			
Ext Light 3 Tradable Surf All External I	faces: 0 (W)	Walk way less than 10 feet w) Allowance for Tradab (W)		1.00	(Sqft or ft) 150.0		50 PASSES	
Tradable Surf All External I	faces: 0 (W) Lighting: 0 (Check includ D7 Ing D7) Allowance for Tradab	ole: 157.5 (W)				
Tradable Surf All External I Complicance o Project: Building Fitle: TAM Buildi Type: Multi-Fami	faces: 0 (W) Lighting: 0 (check includ D7 ing D7 ly) Allowance for Tradab (W) des a excess/Base allows	ole: 157.5 (W)				
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Tradable Surf All External I Complicance o Project: Building Title: TAM Buildi Title: TAM Buildi WEA File: FL_O	faces: 0 (W) Lighting: 0 (check includ D7 ing D7 ly) Allowance for Tradab (W) des a excess/Base allows NTL_ARPT.tm3)	ole: 157.5 (W ance of 7.50() (W)				
Tradable Surf All External I Complicance o Project: Building Title: TAM Buildi Ype: Multi-Fami WEA File: FL_O Acronym	faces: 0 (W) Lighting: 0 (check inclue D7 ing D7 ly RLANDO_IN Ashrae ID) Allowance for Tradab (W) des a excess/Base allowa MTL_ARPT.tm3) Lighting Cor	ole: 157.5 (W ance of 7.50() W) pliance Area	150.0	Min CP	PASSES	
Tradable Surf All External I Complicance o Project: Building Pitle: TAM Buildi Ype: Multi-Fami WEA File: FL_O Acronym	faces: 0 (W) Lighting: 0 (check inclue D7 ing D7 ly RLANDO_IN Ashrae ID 25,001) Allowance for Tradab (W) des a excess/Base allows <u>WTL_ARPT.tm3)</u> Lighting Cor Description	ole: 157.5 (W ance of 7.50() W) pliance Area (sq.ft)	150.0	Min CP 2	PASSES	
Tradable Surf All External I Complicance o Project: Building Title: TAM Buildi Ype: Multi-Fami WEA File: FL_O Acronym Pr0Zo1Sp1 Pr0Zo2Sp1	faces: 0 (W) Lighting: 0 (check includ D7 ing D7 ly RLANDO_IN Ashrae ID 25,001 25,001 16) Allowance for Tradab (W) des a excess/Base allows NTL_ARPT.tm3) Lighting Cor Description Sales Area Sales Area Office - Open Plan	ole: 157.5 (W ance of 7.50() W) pliance Area (sq.ft) 13,500	150.0	Min CP 2 2	PASSES Compl ance PASSES	
Tradable Surf All External I Complicance o Project: Building Title: TAM Buildi Ype: Multi-Fami WEA File: FL_O Acronym Pr0Zo1Sp1 Pr0Zo2Sp1 Pr0Zo3Sp1 Pr0Zo3Sp1 Pr0Zo4Sp1	faces: 0 (W) Lighting: 0 (check includ D7 ing D7 ly RLANDO_IN Ashrae ID 25,001 25,001 16 16) Allowance for Tradab (W) des a excess/Base allows <u>WTL_ARPT.tm3</u>) <u>Lighting Cor</u> Description Sales Area Sales Area Office - Open Plan Office - Open Plan	ole: 157.5 (W ance of 7.50() (W) pliance Area (sq.ft) 13,500 13,500 13,500 13,500	150.0 Design CP 2 2 2 2 2 2	Min CP 2 2 2 2 2 2	PASSES Compl ance PASSES PASSES PASSES PASSES	
Tradable Surf All External I Complicance of Project: Building Title: TAM Buildi Type: Multi-Fami WEA File: FL_O Acronym Pr0Zo1Sp1 Pr0Zo2Sp1 Pr0Zo3Sp1 Pr0Zo3Sp1 Pr0Zo4Sp1 Pr0Zo5Sp1	faces: 0 (W) Lighting: 0 (check includ D7 ing D7 ly RLANDO_IN Ashrae ID 25,001 25,001 16 16 16) Allowance for Tradab (W) des a excess/Base allows <u>VTL_ARPT.tm3</u>) <u>Lighting Cor</u> <u>Description</u> Sales Area Sales Area Office - Open Plan Office - Open Plan Office - Open Plan	ole: 157.5 (W ance of 7.50((W) Pliance Area (sq.ft) 13,500 13,500 13,500 13,500 13,500 13,500	150.0 Design CP 2 2 2 2 2 2 2 2 2	Min CP 2 2 2 2 2 2 2	PASSES Compl ance PASSES PASSES PASSES PASSES PASSES PASSES	
Tradable Surf All External I Complicance o Project: Building Title: TAM Buildi Type: Multi-Fami WEA File: FL_O Acronym Pr0Zo1Sp1 Pr0Zo2Sp1 Pr0Zo3Sp1 Pr0Zo3Sp1 Pr0Zo5Sp1 Pr0Zo5Sp1 Pr0Zo4Sp1	faces: 0 (W) Lighting: 0 (check inclue D7 ing D7 ly RLANDO_IN Ashrae ID 25,001 25,001 16 16 16 16) Allowance for Tradab (W) des a excess/Base allows <u>VTL_ARPT.tm3</u>) <u>Lighting Cor</u> Description Sales Area Sales Area Office - Open Plan Office - Open Plan Office - Open Plan Office - Open Plan Office - Open Plan	ole: 157.5 (W ance of 7.50(W) pliance Area (sq.ft) 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500	150.0 Design CP 2 2 2 2 2 2 2 2 2 2 2 2 2	Min CP 2 2 2 2 2 2 2 2 2 2 2 2 2	PASSES Compl ance PASSES PASSES PASSES PASSES PASSES PASSES PASSES	
Tradable Surf All External I Complicance o Project: Building Fitle: TAM Buildi Type: Multi-Fami WEA File: FL_O Acronym Pr0Zo1Sp1 Pr0Zo2Sp1 Pr0Zo3Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo7Sp1	faces: 0 (W) Lighting: 0 (check inclue D7 ing D7 ly RLANDO_IN Ashrae ID 25,001 25,001 16 16 16 16 16 16) Allowance for Tradab (W) des a excess/Base allows VTL_ARPT.tm3) Lighting Cor Description Sales Area Sales Area Office - Open Plan Office - Open Plan	ole: 157.5 (W ance of 7.50(W) pliance Area (sq.ft) 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500	150.0 Design CP 2 2 2 2 2 2 2 2 2 2 2 2 2	Min CP 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PASSES Compl ance PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES	
Tradable Surf All External I Complicance o Project: Building Fitle: TAM Buildi Type: Multi-Fami WEA File: FL_O Acronym Pr0Zo1Sp1 Pr0Zo2Sp1 Pr0Zo3Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1	faces: 0 (W) Lighting: 0 (check includ D7 ing D7 ly RLANDO_IP 25,001 25,001 25,001 16 16 16 16 16 16,001 16,001	Allowance for Tradab (W) des a excess/Base allow: <u>VTL_ARPT.tm3</u>) <u>Lighting Cor</u> Description Sales Area Sales Area Office - Open Plan Office - Open Plan Office - Open Plan Office - Open Plan Office - Open Plan Private Living Space Private Living Space	ole: 157.5 (W ance of 7.50(W) pliance Area (sq.ft) 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 12,300 12,300	150.0 Design CP 2 2 2 2 2 2 2 2 2 2 2 2 2	Min CP 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PASSES Compl ance PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES	
Tradable Surf All External I Complicance of Project: Building Title: TAM Buildi Type: Multi-Fami WEA File: FL_O Acronym Pr0Zo1Sp1 Pr0Zo2Sp1 Pr0Zo3Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1	faces: 0 (W) Lighting: 0 (check includ D7 ing D7 ly RLANDO_IP Ashrae ID 25,001 25,001 16 16 16 16 16 16,001 16,001 16,001	Allowance for Tradab (W) des a excess/Base allows <u>VTL_ARPT.tm3</u>) <u>Lighting Cor</u> Description Sales Area Sales Area Office - Open Plan Office - Open Plan Private Living Space Private Living Space Private Living Space	ole: 157.5 (W ance of 7.50(W) pliance Area (sq.ft) 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 12,300 12,300	150.0 Design CP 2 2 2 2 2 2 2 2 2 2 2 2 2	Min CP 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PASSES Compl ance PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES	
Tradable Surf All External I Complicance o Project: Building Title: TAM Buildi Ype: Multi-Fami WEA File: FL_O Acronym Pr0Zo1Sp1 Pr0Zo2Sp1 Pr0Zo2Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1	faces: 0 (W) Lighting: 0 (check includ D7 ing D7 ly RLANDO_IP Ashrae ID 25,001 25,001 16 16 16 16 16 16,001 16,001 16,001	Allowance for Tradab (W) des a excess/Base allow: <u>VTL_ARPT.tm3</u>) <u>Lighting Cor</u> Description Sales Area Sales Area Office - Open Plan Office - Open Plan Office - Open Plan Office - Open Plan Office - Open Plan Private Living Space Private Living Space	ole: 157.5 (W ance of 7.50(W) pliance Area (sq.ft) 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 12,300 12,300	150.0 Design CP 2 2 2 2 2 2 2 2 2 2 2 2 2	Min CP 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PASSES Compl ance PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES	
Tradable Surf All External I Complicance o Project: Building Fitle: TAM Buildi Type: Multi-Fami WEA File: FL_O Acronym Pr0Zo1Sp1 Pr0Zo2Sp1 Pr0Zo3Sp1 Pr0Zo3Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1	faces: 0 (W) Lighting: 0 (check includ D7 ing D7 ly RLANDO_IP Ashrae ID 25,001 25,001 16 16 16 16 16 16,001 16,001 16,001	Allowance for Tradab (W) des a excess/Base allows <u>VTL_ARPT.tm3</u>) <u>Lighting Cor</u> Description Sales Area Sales Area Office - Open Plan Office - Open Plan Private Living Space Private Living Space Private Living Space	ole: 157.5 (W ance of 7.50(W) pliance Area (sq.ft) 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 12,300 12,300	150.0 Design CP 2 2 2 2 2 2 2 2 2 2 2 2 2	Min CP 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PASSES Compl ance PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES	

Project: Building D7 Title: TAM Building D7 Type: Multi-Family (WEA File: FL_ORLANDO_INTL_ARPT.tm3)

	Syster	n Report (Complia	ance			
Pr0Sy1 Sy	-	Variable Air Volume Built-up System904				lo. of Units 1	
Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Comp- liance
Cooling System Heating System Air Handling System -Supply	Compliance Not Applicable Heat source from plant Air Handler (Supply) - Variable Volume	1665914 600450 37065	1.25	1.12			PASSES PASSES FAILS
Pr0Sy2 Sy	rstem 2			tant Volume Coil Built-up	-	N	lo. of Units 1
Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Comp- liance
Cooling System Heating System Air Handling System -Supply	Compliance Not Applicable Heat source from plant Air Handler (Supply) - Constant Volume	2700230 3410870 68845	0.80	0.82			PASSES PASSES PASSES
						FAILS	

WEA File: FL_ORLAND	O_INTL_A	KP1.tm5	,	t Comp	liance			
Description	Installed No	Size	Design Eff	Min Eff	Design IPLV	Min IPLV	Category	Comp liance
Open centrifugal, chiller	1	279	5.680	5.546	5.900	5.900	Water Chilling Pkg (Centrifugal) Elec. Operated Water Cooled <300 Tons	PASSES
Cooling Tower	1	0	14.000	14.000			Closed Cooling Tower - Propeller Fan	PASSES
Hot Water Boiler (Fuel)	1	2	86.000	82.000			Oil Fired >=300,000 and < 2,500,000 Btu/h	PASSES

		Water Heater Com	pliance				
Description	Туре	Category	Design Eff	Min Eff	Design Loss		Comp iance
						Ν	None
		Piping Syste	em Compli	ance			
Category		[inches] Runout? To	rating Ins C emp [Btu-i F] .SF.	n/hr	Ins Thick [in]	Req In Thick [i	-
						None	
Project: Building D' Title: TAM Building Type: Multi-Family (WEA File: FL_OR	g D7						
		Other Required	l Complia	nce			
Category	Section	Requirement (write N/A	in box if not a	pplicab	ole)		Check
Proiect: Buildins	g D7						

	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
Appli inclu	ications for compliance with the Florida Building Code, Energy Conservation shall de:
	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, complaince summary, certifications and detailed component compliance reports
	Boxes appropriately checked in the Miscellanous report generated by the software at the end of the compliance report

Short Desc:	Building D7	Description:	TAM Building D7
Owner:	Enter Owner's name here		
Address1:	Enter Address here	City:	Enter city here
Address2:	Enter Address here	State:	Enter state here
		Zip:	0
Туре:	Multi-Family	Class:	New Finished building
Jurisdiction:	ORLANDO, ORANGE COUN	NTY, FL (582100)	
Conditioned Area:	130200 SF	Conditioned & UnConditioned Area:	130200 SF
No of Stories:	1	Area entered from Plans	0 SF
Permit No:	0	Max Tonnage	278.8
		If different, write in:	

Compliance Summary				
Component	Design	Criteria	Result	
Gross Energy Cost (in \$)	105,966.0	88,372.0	FAILED	
LIGHTING CONTROLS			PASSES	
EXTERNAL LIGHTING			PASSES	
HVAC SYSTEM			FAILS	
PLANT			PASSES	
WATER HEATING SYSTEMS			No Entry	
PIPING SYSTEMS			No Entry	
Met all required compliance from Check List?			Yes/No/NA	

CERTIFICATIONS				
I hereby certify that the plans and Florida Energy Code	specifications covered by this calculation are in compliance	with the		
Prepared By:	Building Official:			
Date:	Date:			
I certify that this building is in com	pliance with the FLorida Energy Efficiency Code			
Owner Agent:	Date:			
If Required by Florida law, I hereb Efficiency Code	by certify (*) that the system design is in compliance with the	Florida Energy		
Architect:	Reg No:			
Electrical Designer:	Reg No:			
Lighting Designer:	Reg No:			
Mechanical Designer:	Reg No:			
Plumbing Designer:	Reg No:			
	lorida Law requires design to be performed by registered de registration numbers may be used where all relevant information.			

ect: Building D7 : TAM Building D7 : Multi-Family				
EA File: FL_ORLANDO_INTL_ARPT.tm3) Building End Uses				
	1) Proposed	2) Baseline		
al	7,168.50	6,774.80		
	\$105,966	\$103,967		
ELECTRICITY(MBtu/kWh/\$)	6,811.60	6,732.00		
	1995819 <i>\$104,182</i>	1972487 <i>\$103,753</i>		
AREA LIGHTS	2,196.60	1,129.70		
	643612 \$33,597	330993 <i>\$17,410</i>		
HEAT REJECT	409.60	410.70		
	120010	120338		
	\$6,265	\$6,330		
MISC EQUIPMT	1,481.10 433964	1,481.10 433964		
	\$22,653	\$22,827		
PUMPS & MISC	193.40	245.50		
	56673 \$2,958	71917 \$ <i>3,783</i>		
SPACE COOL	1,282.50	2,749.90		
SPACE COOL	375778	805734		
	\$19,616	\$42,382		
SPACE HEAT	19.80	2.10		
	5792	624		
	\$302	\$33		
VENT FANS	1,228.60	713.00		
	359990 <i>\$18,791</i>	208917 <i>\$10,989</i>		
NATURAL-GAS(MBtu/therm/\$)	356.90	42.80		
	3569	428		
	\$1,785	\$214		

				1) Proposed	2) Ba	seline	
	SPACE	HEAT		356.90		42.80	
				3569		428	
				\$1,785		\$214	_
Credits Applie						FA	ILS
Passing Criter							
Design (includ	ing any cre	dits) = 105966					
Passing requir	es Propose	d Building cost to be at	most 85% o	f			
Baseline cost. '	This Propo	sed Building is at 101.9	%				
Project: Building	D7						
Title: TAM Build							
Type: Multi-Fam	-						
WEA File: FL_C	DRLANDO_II	NTL_ARPT.tm3)					
		External	Lighting C	ompliance			
Description		Category	Tradable?	Allowance (W/Unit)	Area or Length or No. of Units	ELPA (W)	CLP (W)
					(Sqft or ft)		
Ext Light 3 Tradable Surf All External I	faces: 0 (W)	Walk way less than 10 feet w) Allowance for Tradab (W)		1.00	(Sqn or n) 150.0		50 PASSES
Tradable Surf All External I	faces: 0 (W) Lighting: 0 (Check includ D7 ing D7) Allowance for Tradab	ole: 157.5 (W)			
Tradable Surf All External I Complicance o Project: Building Fitle: TAM Buildi Type: Multi-Fami	faces: 0 (W) Lighting: 0 (check includ D7 ing D7 ly) Allowance for Tradab (W) des a excess/Base allowa	ole: 157.5 (W)			
Tradable Surf All External I Complicance o Project: Building Fitle: TAM Buildi	faces: 0 (W) Lighting: 0 (check includ D7 ing D7 ly) Allowance for Tradab (W) des a excess/Base allowa	ole: 157.5 (W) (W)			
Tradable Surf All External I Complicance o Project: Building Title: TAM Buildi Title: TAM Buildi Ype: Multi-Fami WEA File: FL_O	faces: 0 (W) Lighting: 0 (check includ D7 ing D7 ly) Allowance for Tradab (W) des a excess/Base allowa NTL_ARPT.tm3) Lighting Cor	ole: 157.5 (W) (W)			
Tradable Surf All External I Complicance o Project: Building Title: TAM Buildi Ype: Multi-Fami WEA File: FL_O Acronym	faces: 0 (W) Lighting: 0 (check inclue D7 ing D7 ly RLANDO_IN Ashrae ID) Allowance for Tradab (W) des a excess/Base allowa NTL_ARPT.tm3) Lighting Cor	ole: 157.5 (W) W) pliance Area	150.0	H Min CP	PASSES
Tradable Surf All External I Complicance o Project: Building Title: TAM Buildi Ype: Multi-Fami WEA File: FL_O Acronym	faces: 0 (W) Lighting: 0 (check inclue D7 ing D7 ly RLANDO_IN Ashrae ID 25,001) Allowance for Tradab (W) des a excess/Base allows <u>WTL_ARPT.tm3)</u> Lighting Cor Description	ole: 157.5 (W) W) pliance Area (sq.ft)	150.0	H Min CP 2 1	PASSES Compli- ance
Tradable Surf All External I Complicance o Project: Building Title: TAM Buildi Ype: Multi-Fami WEA File: FL_O Acronym Pr0Zo1Sp1 Pr0Zo2Sp1 Pr0Zo3Sp1	faces: 0 (W) Lighting: 0 (check includ D7 ing D7 ly RLANDO_IN Ashrae ID 25,001 25,001 16) Allowance for Tradab (W) des a excess/Base allowa MTL_ARPT.tm3) Lighting Cor Description Sales Area Sales Area Office - Open Plan	ole: 157.5 (W	(w) pliance Area (sq.ft) 13,500 13,500 13,500	150.0	Min CP 2 1 2 1 2 1 2 1	PASSES Compli- ance PASSES PASSES PASSES
Tradable Surf All External I Complicance o Project: Building Title: TAM Buildi Ype: Multi-Fami WEA File: FL_O Acronym Pr0Zo1Sp1 Pr0Zo2Sp1 Pr0Zo3Sp1 Pr0Zo3Sp1 Pr0Zo4Sp1	faces: 0 (W) Lighting: 0 (check includ D7 ing D7 ly RLANDO_IN Ashrae ID 25,001 25,001 16 16) Allowance for Tradab (W) des a excess/Base allowa MTL_ARPT.tm3) Lighting Cor Description Sales Area Sales Area Office - Open Plan Office - Open Plan	ole: 157.5 (W) (W) pliance Area (sq.ft) 13,500 13,500 13,500 13,500	150.0	Min CP 2 2 2 2 2 2 2 2 2	PASSES Compli- ance PASSES PASSES PASSES PASSES PASSES
Tradable Surf All External I Complicance of Project: Building Title: TAM Buildi Type: Multi-Fami WEA File: FL_O Acronym Pr0Zo1Sp1 Pr0Zo2Sp1 Pr0Zo3Sp1 Pr0Zo3Sp1 Pr0Zo4Sp1 Pr0Zo5Sp1	faces: 0 (W) Lighting: 0 (check includ D7 ing D7 ly RLANDO_IN Ashrae ID 25,001 16 16 16) Allowance for Tradab (W) des a excess/Base allowa MTL_ARPT.tm3) Lighting Cor Description Sales Area Sales Area Office - Open Plan Office - Open Plan Office - Open Plan	ole: 157.5 (W	(W) Pliance Area (sq.ft) 13,500 13,500 13,500 13,500 13,500 13,500	150.0	Hin CP 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	PASSES Compli- ance PASSES PASSES PASSES PASSES PASSES PASSES
Tradable Surf All External I Complicance of Project: Building Title: TAM Buildi Type: Multi-Fami WEA File: FL_O Acronym Pr0Zo1Sp1 Pr0Zo2Sp1 Pr0Zo3Sp1 Pr0Zo3Sp1 Pr0Zo5Sp1 Pr0Zo5Sp1 Pr0Zo4Sp1	faces: 0 (W) Lighting: 0 (check inclue D7 ing D7 ly RLANDO_IN Ashrae ID 25,001 25,001 16 16 16 16) Allowance for Tradab (W) des a excess/Base allows <u>VTL_ARPT.tm3</u>) <u>Lighting Cor</u> Description Sales Area Sales Area Office - Open Plan Office - Open Plan Office - Open Plan Office - Open Plan Office - Open Plan	ole: 157.5 (W	W) pliance Area (sq.ft) 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500	150.0	Hin CP 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	PASSES Compli- ance PASSES PASSES PASSES PASSES PASSES PASSES PASSES
Tradable Surf All External I Complicance o Project: Building Fitle: TAM Buildi Type: Multi-Fami WEA File: FL_O Acronym Pr0Zo1Sp1 Pr0Zo2Sp1 Pr0Zo3Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo7Sp1	faces: 0 (W) Lighting: 0 (check inclue D7 ing D7 ly RLANDO_IN Ashrae ID 25,001 25,001 16 16 16 16 16 16) Allowance for Tradab (W) des a excess/Base allow: <u>VTL_ARPT.tm3</u>) <u>Lighting Cor</u> Description Sales Area Sales Area Office - Open Plan Office - Open Plan	ole: 157.5 (W	W) pliance Area (sq.ft) 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500	150.0	Hin CP 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	PASSES Compli- ance PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES
Tradable Surf All External I Complicance o Project: Building Fitle: TAM Buildi Type: Multi-Fami WEA File: FL_O Acronym Pr0Zo1Sp1 Pr0Zo2Sp1 Pr0Zo3Sp1 Pr0Zo3Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1	faces: 0 (W) Lighting: 0 (check includ D7 ing D7 ly RLANDO_IP 25,001 25,001 25,001 16 16 16 16 16 16,001 16,001) Allowance for Tradab (W) des a excess/Base allow: <u>VTL_ARPT.tm3</u>) <u>Lighting Cor</u> Description Sales Area Sales Area Office - Open Plan Office - Open Plan Office - Open Plan Office - Open Plan Office - Open Plan Private Living Space Private Living Space	ole: 157.5 (W	W) pliance Area (sq.ft) 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 12,300 12,300	150.0	Hin CP 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	PASSES Compli- ance PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES
Tradable Surf All External I Complicance o Project: Building Fitle: TAM Buildi Type: Multi-Fami WEA File: FL_O Acronym Pr0Zo1Sp1 Pr0Zo2Sp1 Pr0Zo3Sp1 Pr0Zo3Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1	faces: 0 (W) Lighting: 0 (check includ D7 ing D7 ly RLANDO_IP Ashrae ID 25,001 25,001 16 16 16 16 16 16,001 16,001 16,001	Allowance for Tradab (W) des a excess/Base allow: <u>VTL_ARPT.tm3</u>) <u>Lighting Cor</u> Description Sales Area Sales Area Office - Open Plan Office - Open Plan Private Living Space Private Living Space	ole: 157.5 (W	W) pliance Area (sq.ft) 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 12,300 12,300	150.0	Hin CP 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	PASSES Compli- ance PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES
Tradable Surf All External I Complicance of Project: Building Title: TAM Buildi Type: Multi-Fami WEA File: FL_O Acronym Pr0Zo1Sp1 Pr0Zo2Sp1 Pr0Zo3Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1	faces: 0 (W) Lighting: 0 (check includ D7 ing D7 ly RLANDO_IP Ashrae ID 25,001 25,001 16 16 16 16 16 16,001 16,001 16,001) Allowance for Tradab (W) des a excess/Base allow: <u>VTL_ARPT.tm3</u>) <u>Lighting Cor</u> Description Sales Area Sales Area Office - Open Plan Office - Open Plan Office - Open Plan Office - Open Plan Office - Open Plan Private Living Space Private Living Space	ole: 157.5 (W	W) pliance Area (sq.ft) 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 12,300 12,300	150.0	Hin CP 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	PASSES Compli- ance PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES
Tradable Surf All External I Complicance o Project: Building Fitle: TAM Buildi Type: Multi-Fami WEA File: FL_O Acronym Pr0Zo1Sp1 Pr0Zo2Sp1 Pr0Zo3Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo4Sp1 Pr0Zo7Sp1 Pr0Zo7Sp1	faces: 0 (W) Lighting: 0 (check includ D7 ing D7 ly RLANDO_IP Ashrae ID 25,001 25,001 16 16 16 16 16 16,001 16,001 16,001	Allowance for Tradab (W) des a excess/Base allow: <u>VTL_ARPT.tm3</u>) <u>Lighting Cor</u> Description Sales Area Sales Area Office - Open Plan Office - Open Plan Private Living Space Private Living Space	ole: 157.5 (W	W) pliance Area (sq.ft) 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 13,500 12,300 12,300	150.0	Hin CP 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	PASSES Compli- ance PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES PASSES

Project: Building D7 Title: TAM Building D7 Type: Multi-Family (WEA File: FL_ORLANDO_INTL_ARPT.tm3)

	Syster	n Report (Complia	ance			
Pr0Sy1 Sy	stem 1	Variable Air Volume Built-up No. System904					
Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Comp- liance
Cooling System Heating System Air Handling System -Supply	Compliance Not Applicable Heat source from plant Air Handler (Supply) - Variable Volume	1665914 600450 37065	1.25	1.12			PASSES PASSES FAILS
Pr0Sy2 Sy	rstem 2			tant Volume Coil Built-up	-	N	lo. of Units 1
Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Comp- liance
Cooling System Heating System Air Handling System -Supply	Compliance Not Applicable Heat source from plant Air Handler (Supply) - Constant Volume	2700230 3410870 68845	0.80	0.82			PASSES PASSES PASSES
						FAILS	

WEA File: FL_ORLAND	O_INTL_A	KP1.tm5	,	t Comp	liance			
Description	Installed No	Size	Design Eff	Min Eff	Design IPLV	Min IPLV	Category	Comp liance
Open centrifugal, chiller	1	279	5.680	5.546	5.900	5.900	Water Chilling Pkg (Centrifugal) Elec. Operated Water Cooled <300 Tons	PASSES
Cooling Tower	1	0	14.000	14.000			Closed Cooling Tower - Propeller Fan	PASSES
Hot Water Boiler (Fuel)	1	2	86.000	82.000			Oil Fired >=300,000 and < 2,500,000 Btu/h	PASSES

		Water Heater Com	pliance				
Description	Туре	Category	Design Eff	Min Eff	Design Loss		Comp liance
							None
		Piping Syste	em Compli	iance			
Category		[inches] Runout? T	erating Ins C emp [Btu-i [F] .SF	in/hr	Ins Thick [in]	Req I Thick	-
						None	
Project: Building D Title: TAM Buildin Type: Multi-Family (WEA File: FL_OR	g D7						
		Other Required	d Complia	nce			
Category	Section	Requirement (write N/A	in box if not a	applicab	ole)		Check
Project: Buildin	~ D7						

DOE Based Sizing

PROJECT SUMMARY

Short Desc:	Building D7	Description:	TAM Building D7
Owner:	Enter Owner's name here		
Address1:	Enter Address here	City:	Enter city here
Address2:	Enter Address here	State:	Enter state here
		Zip:	0
Туре:	Multi-Family	Class:	New Finished building
Weather File:	FL_ORLANDO_INTL_ARPT.tm3	3	
Conditioned Area:	130200 SF	Conditioned & UnConditioned Area:	130200 SF
No of Stories:	1	Area entered from Plans	0 SF
Permit No:	0	Max Tonnage	311.8
		If different, write in:	

	CERTIFICATIONS	
I hereby certify that the plans and	I specifications covered by this calculation are in compliance	e as required by
the authority of jurisdiction	······································	,
Prepared By:	Building Official:	
Date:	Date:	
I certify that this building is in com	npliance as required by the authority of jurisdiction	
Owner Agent:	Date:	
If required by law, I hereby certify jurisdiction	r (*) that the system design is in compliance as required by the system design is in compliance as required by the system of	he authority of
Architect:	Reg No:	
Electrical Designer:	Reg No:	
Lighting Designer:	Reg No:	
Mechanical Designer:	Reg No:	
Plumbing Designer:	Reg No:	
	nen law requires design to be performed by registered desig mbers may be used where all relevant information is contair	

DOE 2.1 E Based Sized Parameters (Beta Feature)

<u>System</u>	System Name	System Typ	<u>e</u>
1	Pr0Sy1	System 1	
	<u>Component</u>	Sized Value	<u>Units</u>
	Cooling System Heating System Air Handling System -Supply	1665914 600450 37065	BTU/HR Btu/h CFM
2	Pr0Sy2	System 2	
	<u>Component</u>	Sized Value	<u>Units</u>
	Cooling System Heating System Air Handling System -Supply	2700230 3410870 68845	BTU/HR Btu/h CFM
7	Open centrifugal, chiller	Open centrifu	gal, chiller
	<u>Component</u>	Sized Value	<u>Units</u>
	Open centrifugal, chiller	278.75	[Tons]
8	Cooling Tower	Cooling Towe	r
	<u>Component</u>	Sized Value	<u>Units</u>
	Cooling Tower	3.976	
9	Hot Water Boiler (Fuel)	Hot Water Bo	iler (Fuel)
	<u>Component</u>	Sized Value	<u>Units</u>
	Hot Water Boiler (Fuel)	2.321	[Million Btu/ł