	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:	TAM A20	Description:	TAM Building A20
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 COU	NTY, FL (232400)	
Conditioned Area:	312300 SF	Conditioned & UnConditioned Area:	379800 SF
No of Stories:	20	Area entered from Plans	67500 SF
Permit No:	0	Max Tonnage	566.5
		If different, write in:	

Compliance Summary				
Component	Design	Criteria	Result	
Gross Energy Cost (in \$)	264,326.0	372,490.0	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.			

Building End Uses				
	1) Proposed	2) Baseline		
tal	17,053.60	23,762.50		
	\$264,326	\$372,490		
ELECTRICITY(MBtu/kWh/\$)	17,053.60 4996716	23,762.50 6962426		
	\$264,326	\$372,490		
AREA LIGHTS	2,977.40 872380	3,572.70 1046803		
	\$46,149	\$56,004		
HEAT REJECT	894.80 262185	1,155.50 338572		
	\$13,870	\$18,114		
MISC EQUIPMT	5,697.70 1669423	5,697.70 1669423		
PUMPS & MISC	\$88,312 328.80 96353 \$5,097	\$89,314 538.90 157907 \$8,448		
SPACE COOL	4,474.60 1311051	10,536.20 3087092		
VENT FANS	\$69,355 2,680.30 785324	\$165,159 2,261.50 662629		
	\$41,544	\$35,451		
ts Applied: None 1g Criteria = 372490		PASSES		
n (including any credits) = 264326 ng requires Proposed Building cost to be at mo ine cost. This Proposed Building is at 71%	ost 100% of			

AP.tm3) External Li ategory Valk way less than 10 feet wide Allowance for Tradable	Tradable?	omplianc Allowance (W/Unit)	Area or Length		
ategory /alk way less than 10 feet wide	Tradable?	Allowance	Area or Length		
Valk way less than 10 feet wide			-		
-	e Yes		or No. of Units (Sqft or ft)	ELPA (W)	
Allowance for Tradable		1.00	150.0		150
W) es a excess/Base allowan	-	-			PASSES
AP.tm3)					
Lighting Cont	rols Com	pliance			
Description		Area (sq.ft)	Design CP	Min CP	Compli- ance
Office - Open Plan		14,400	2	2	PASSES
Office - Open Plan		2,025	1	1	PASSES
Office - Open Plan		2,025	1		PASSES
Office - Open Plan		2,025	1	1	PASSES
Office - Open Plan		2,025	1	1	PASSES
Office - Open Plan		22,500	3		PASSES
Office - Open Plan		14,400	2		PASSES
Office - Open Plan		2,025	1		PASSES
Office - Open Plan		2,025	1		PASSES
Office - Open Plan		2,025	1		PASSES
Office - Open Plan		2,025	1		PASSES
Office - Open Plan		22,500	3		PASSES
Office - Open Plan		14,400	2		PASSES
Office - Open Plan		2,025	1		PASSES
-			1		PASSES
-			1		PASSES
Office - Open Plan Office - Open Plan		2,025 22,500	1 3		PASSES PASSES
		Г	PASS	ES	
)))	ffice - Open Plan ffice - Open Plan ffice - Open Plan	ffice - Open Plan ffice - Open Plan ffice - Open Plan	ffice - Open Plan2,025ffice - Open Plan2,025ffice - Open Plan2,025	ffice - Open Plan2,0251ffice - Open Plan2,0251ffice - Open Plan2,0251ffice - Open Plan22,5003	ffice - Open Plan 2,025 1 1 ffice - Open Plan 2,025 1 1 ffice - Open Plan 2,025 1 1

	Syst	tem Report	Compli	ance					
Pr0Sy2	System 2		Variable Air Volume Built-up System904				No. of Unit		
Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Comp- liance		
Cooling System Air Handling System -Supply	Air Handler (Supply) -	1690448 40955	1.25	1.12			PASSES FAILS		
Pr0Sy3	System 3			ble Air Volu m904	me Built-uj	p N	No. of Units 18		
Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Comp- liance		
Cooling System Air Handling System -Supply	Air Handler (Supply) -	211431 4247	1.25	1.12			PASSES FAILS		
Pr0Sy4	System 4			ble Air Volu m904	me Built-uj	p N	No. of Units 1		
Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Comp- liance		
Cooling System Air Handling System -Supply	Air Handler (Supply) -	548992 11760	1.25	1.12			PASSES FAILS		
						FAILS	5		

Plant Compliance								
Description	Installed No	Size	Design Eff	Min Eff	Design IPLV	Min IPLV	Category	Comp liance
Open centrifugal, chiller	1	567	5.860	6.104	5.900	6.404	Water Chilling Pkg (Centrifugal) Elec. Operated Water Cooled 300-600 Tons	FAILS
Cooling Tower	1	0	14.000	7.000			Closed Cooling Tower - Centrifugal Fan	PASSES
Hot Water Boiler (Fuel)	1	2	90.000	82.000			Oil Fired >=300,000 and < 2,500,000 Btu/h	PASSES
not water boller (ruer)	1	Z	90.000	82.000			,	PAS

Water Heater Compliance									
Description	Туре	C	ategory	D)esign Eff	Min Eff	Design Loss		Comp liance
									None
			Piping S	System Co	ompli	ance			
Category		Pipe Dia [inches]	Is Runout?	Operating Temp [F]	Ins Co [Btu-in .SF.]	n/hr	Ins Thick [in]	Req I Thick	

Project: TAM A20 Title: TAM Buildin Type: Office (WEA File: FL_M			
		Other Required Compliance	
Category	Section	Requirement (write N/A in box if not applicable)	Check
Project: TAM A	\20		

	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:	TAM A20	Description:	TAM Building A20
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:	Office	Class:	New Finished building
Jurisdiction:	MIAMI, MIAMI-DADE COUN	NTY, FL (232400)	
Conditioned Area:	312300 SF	Conditioned & UnConditioned Area:	379800 SF
No of Stories:	20	Area entered from Plans	67500 SF
Permit No:	0	Max Tonnage	566.5
		If different, write in:	

Compliance Summary					
Component	Design	Criteria	Result		
Gross Energy Cost (in \$)	266,023.0	314,686.0	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.	

Build	ing End Uses	
	1) Proposed	2) Baseline
ıl	17,130.80	23,661.90
	\$266,023	\$370,219
ELECTRICITY(MBtu/kWh/\$)	17,130.80	23,661.90
	5019301 <i>\$266,023</i>	6932935 \$370,219
		· · · · · · · · · · · · · · · · · · ·
AREA LIGHTS	2,977.40 872380	3,572.70 1046803
	\$46,236	\$55,899
HEAT REJECT	900.00	1,168.30
	263706	342317
	\$13,976	\$18,280
MISC EQUIPMT	5,697.70	5,697.70
	1669423	1669423
	\$88,479	\$89,147
PUMPS & MISC	333.60	529.60
	97731	155176
	\$5,180	\$8,286
SPACE COOL	4,544.00	10,458.40
	1331381	3064306
	\$70,563	\$163,634
VENT FANS	2,678.10	2,235.20
	784680	654910
	\$41,588	\$34,972
Applied: None		PASSES
g Criteria = 314686		

AP.tm3) External Li ategory Valk way less than 10 feet wide Allowance for Tradable	Tradable?	omplianc Allowance (W/Unit)	Area or Length		
ategory /alk way less than 10 feet wide	Tradable?	Allowance	Area or Length		
Valk way less than 10 feet wide			-		
-	e Yes		or No. of Units (Sqft or ft)	ELPA (W)	
Allowance for Tradable		1.00	150.0		150
W) es a excess/Base allowan	-	-			PASSES
AP.tm3)					
Lighting Cont	rols Com	pliance			
Description		Area (sq.ft)	Design CP	Min CP	Compli- ance
Office - Open Plan		14,400	2	2	PASSES
Office - Open Plan		2,025	1	1	PASSES
Office - Open Plan		2,025	1		PASSES
Office - Open Plan		2,025	1	1	PASSES
Office - Open Plan		2,025	1	1	PASSES
Office - Open Plan		22,500	3		PASSES
Office - Open Plan		14,400	2		PASSES
Office - Open Plan		2,025	1		PASSES
Office - Open Plan		2,025	1		PASSES
Office - Open Plan		2,025	1		PASSES
Office - Open Plan		2,025	1		PASSES
Office - Open Plan		22,500	3		PASSES
Office - Open Plan		14,400	2		PASSES
Office - Open Plan		2,025	1		PASSES
-			1		PASSES
-			1		PASSES
Office - Open Plan Office - Open Plan		2,025 22,500	1 3		PASSES PASSES
		Г	PASS	ES	
)))	ffice - Open Plan ffice - Open Plan ffice - Open Plan	ffice - Open Plan ffice - Open Plan ffice - Open Plan	ffice - Open Plan2,025ffice - Open Plan2,025ffice - Open Plan2,025	ffice - Open Plan2,0251ffice - Open Plan2,0251ffice - Open Plan2,0251ffice - Open Plan22,5003	ffice - Open Plan 2,025 1 1 ffice - Open Plan 2,025 1 1 ffice - Open Plan 2,025 1 1

	Syst	tem Report	Compli	ance				
Pr0Sy2	System 2		Variable Air Volume Built-up System904			p N	No. of Units 1	
Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Comp- liance	
Cooling System Air Handling System -Supply	Air Handler (Supply) -	1690448 40955	1.25	1.12			PASSES FAILS	
Pr0Sy3	System 3			ble Air Volu m904	me Built-uj	p N	No. of Units 18	
Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Comp- liance	
Cooling System Air Handling System -Supply	Air Handler (Supply) -	211431 4247	1.25	1.12			PASSES FAILS	
Pr0Sy4	System 4			ble Air Volu m904	me Built-uj	p N	No. of Units 1	
Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Comp- liance	
Cooling System Air Handling System -Supply	Air Handler (Supply) -	548992 11760	1.25	1.12			PASSES FAILS	
						FAILS	5	

Plant Compliance								
Description	Installed No	Size	Design Eff	Min Eff	Design IPLV	Min IPLV	Category	Comp liance
Open centrifugal, chiller	1	567	5.860	6.104	5.900	6.404	Water Chilling Pkg (Centrifugal) Elec. Operated Water Cooled 300-600 Tons	FAILS
Cooling Tower	1	0	14.000	7.000			Closed Cooling Tower - Centrifugal Fan	PASSES
Hot Water Boiler (Fuel)	1	2	90.000	82.000			Oil Fired >=300,000 and < 2,500,000 Btu/h	PASSES
not water boller (ruer)	1	Z	90.000	82.000			,	PASS

		Water	Heater (Complian	ce				
Description	Туре	C	ategory	D)esign Eff	Min Eff	Design Loss		Comp liance
									None
			Piping S	System Co	ompli	ance			
Category		Pipe Dia [inches]	Is Runout?	Operating Temp [F]	Ins Co [Btu-in .SF.]	n/hr	Ins Thick [in]	Req I Thick	

Project: TAM A20 Title: TAM Buildin Type: Office (WEA File: FL_M			
		Other Required Compliance	
Category	Section	Requirement (write N/A in box if not applicable)	Check
Project: TAM A	\20		

DOE Based Sizing

PROJECT SUMMARY

Short Desc:	TAM A20	Description:	TAM Building A20
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
Weather File:	FL_MIAMI_INTL_AP.tm3		
Conditioned Area:	312300 SF	Conditioned & UnConditioned Area:	379800 SF
No of Stories:	20	Area entered from Plans	67500 SF
Permit No:	0	Max Tonnage	10
		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>ldSystem</u>	System Name	System Typ	e	
1	Pr0Sy2	System 2	_	
	Component	Sized Value	<u>Units</u>	
	Cooling System Air Handling System -Supply	1690448 40955	BTU/HR CFM	
2	Pr0Sy3	System 3		
	Component	Sized Value	<u>Units</u>	
	Cooling System Air Handling System -Supply	211431 4247	BTU/HR CFM	
3	Pr0Sy4	System 4		
	<u>Component</u>	Sized Value	<u>Units</u>	
	Cooling System Air Handling System -Supply	548992 11760	BTU/HR CFM	
7	Open centrifugal, chiller	Open centrifugal, chiller		
	<u>Component</u>	Sized Value	<u>Units</u>	
	Open centrifugal, chiller	566.5	[Tons]	
8	Cooling Tower	Cooling Towe	r	
	<u>Component</u>	Sized Value	<u>Units</u>	
	Cooling Tower	8.045		
9	Hot Water Boiler (Fuel)	Hot Water Bo	iler (Fuel)	
	<u>Component</u>	Sized Value	<u>Units</u>	
	Hot Water Boiler (Fuel)	0	[Million Btu/ł	

	Florida Building Code, Fifth Edition (2014) - Energy Conservation
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	Check List
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	The full compliance report generated by the software that contains the project summary, complaince summary, certifications and detailed component compliance reports
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Short Desc:	TAM A20	Description:	TAM Building A20
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:	Office	Class:	New Finished building
Jurisdiction:	ORLANDO, ORANGE COUN	NTY, FL (582100)	
Conditioned Area:	312300 SF	Conditioned & UnConditioned Area:	379800 SF
No of Stories:	20	Area entered from Plans	67500 SF
Permit No:	0	Max Tonnage	507
		If different, write in:	

Compliance Summary						
Component	Design	Criteria	Result			
Gross Energy Cost (in \$)	251,064.0	346,792.0	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.	

Building End Uses				
	1) Proposed	2) Baseline		
otal	16,197.90	22,123.50		
	\$251,064	\$346,792		
ELECTRICITY(MBtu/kWh/\$)	16,197.90	22,123.00		
	4746009	6482051		
	\$251,064	\$346,790		
AREA LIGHTS	2,977.40	3,572.70		
	872380	1046803		
	\$46,149	\$56,004		
HEAT REJECT	773.90	1,030.80		
	226751	302016		
	\$11,995	\$16,158		
MISC EQUIPMT	5,697.70	5,697.70		
	1669423	1669423		
	\$88,312	\$89,314		
PUMPS & MISC	314.00	591.60		
	92016	173348		
	\$4,868	\$9,274		
SPACE COOL	3,865.60	8,960.90		
	1132628	2625544		
	\$59,916	\$140,467		
SPACE HEAT	0.00	0.00		
	0	9		
	\$0	\$0		
VENT FANS	2,569.30	2,269.30		
	752811	664908		
	\$39,824	\$35,573		
NATURAL-GAS(MBtu/therm/\$)		0.50		
	0	5		
	\$0	\$3		

			1) Proposed	2) Ba	seline	
 	SPACE HEAT		0.00 0 <i>\$0</i>)	0.50 5 <i>\$3</i>	
Credits Applied: N	None				PASSES	
Passing Criteria =	346792					
Design (including	any credits) = 251064					
Passing requires F	Proposed Building cost to be at m	ost 100%	of			
Baseline cost. This	s Proposed Building is at 72.4%					
Project: TAM A20 Title: TAM Building A Type: Office (WEA File: FL_ORLA	A20 ANDO_INTL_ARPT.tm3)					
	External Li	ghting C	omplianc	e		
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	
All External Ligh	s: 0 (W) Allowance for Tradable: ting: 0 (W) k includes a excess/Base allowan		, ,	Ľ	PASS	SES

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 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 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 <	Acronym	Ashrae ID	Description	Area (sq.ft)	Design CP	Min CP	Compli- ance
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 Pr0Zo3Sp1 16 Office - Open Plan 2,025 1 1 PASSES Pr0Zo6Sp1 16 Office - Open Plan 2,025 1 1 PASSES Pr0Zo7Sp1 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 Pr0Zo2Sp1 16 Office - Open Plan 2,025 1 1 PASSES Pr0Zo2Sp1 16 Office - Open Plan 2,025 1 <	Pr0Zo1Sp1	16	Office - Open Plan	14,400	2	2	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 Pr0Zo2Sp1 16 Office - Open Plan 2,025 1 1 PASSES Pr0Zo4Sp1 16 Office - Open Plan 2,025 1 1 PASSES Pr0Zo4Sp1 16 Office - Open Plan 2,025 1 1 PASSES Pr0Zo4Sp1 16 Office - Open Plan 2,025 1	Pr0Zo2Sp1	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 Pr0Zo2Sp1 16 Office - Open Plan 2,025 1 1 PASSES Pr0Zo2Sp1 16 Office - Open Plan 2,025 1 1 PASSES Pr0Zo13Sp1 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	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 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 2,025 1 1 PASSES Pr0Zo2Sp1 16 Office - Open Plan 2,025 1 1 PASSES Pr0Zo2Sp1 16 Office - Open Plan 2,025 1	Pr0Zo3Sp1	16	Office - Open Plan	2,025	1	1	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 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	Pr0Zo3Sp1	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 Pr0Zo2Sp1 16 Office - Open Plan 2,025 1 1 PASSES Pr0Zo6Sp1 16 Office - Open Plan 2,025 1 1 PASSES Pr0Zo13Sp1 16 Office - Open Plan 22,500 3 3 PASSES Pr0Zo2Sp1 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	Pr0Zo6Sp1	16	Office - Open Plan	22,500	3	3	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 Pr0Zo2Sp1 16 Office - Open Plan 2,025 1	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 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 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	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 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 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
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 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 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
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	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
Pr0Zo2Sp116 Office - Open Plan2,02511PASSES	Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
	Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
$\mathbf{D}_{\mathbf{D}} = \mathbf{D}_{\mathbf{D}} = $	Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
$\mathbf{Prozoosp1} \qquad 16 \mathbf{Ornce} - \mathbf{Open Plan} \qquad 22,300 \qquad 5 \qquad 5 \qquad \mathbf{FASSES}$	Pr0Zo6Sp1	16	Office - Open Plan	22,500	3	3	PASSES

	Syste	m Report	Complia	ance			
Pr0Sy2	System 2			ble Air Volu m904	p N	No. of Units	
Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Comp- liance
Cooling System Air Handling System -Supply	Air Handler (Supply) -	1799592 44489	1.25	1.12			PASSES FAILS
Pr0Sy3	System 3			ble Air Volu m904	me Built-uj	p N	No. of Units 18
Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Comp- liance
Cooling System Air Handling System -Supply	Air Handler (Supply) -	207010 4243	1.25	1.12			PASSES FAILS
Pr0Sy4	System 4			ble Air Volu m904	me Built-uj	p N	No. of Units 1
Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Comp- liance
Cooling System Air Handling System -Supply	Air Handler (Supply) -	533951 11695	1.25	1.12			PASSES FAILS
						FAILS	5

Plant Compliance								
Description	Installed No	Size	Design Eff	Min Eff	Design IPLV	Min IPLV	Category	Comp liance
Open centrifugal, chiller	1	507	5.860	6.104	5.900	6.404	Water Chilling Pkg (Centrifugal) Elec. Operated Water Cooled 300-600 Tons	FAILS
Cooling Tower	1	0	14.000	7.000			Closed Cooling Tower - Centrifugal Fan	PASSES
Hot Water Boiler (Fuel)	1	3	90.000	84.000			Oil Fired >= 2,500,000 Btu/h	PASSES
							FAILS	

		Water I	Heater (Complian	ce				
Description	Туре	Cat	tegory	D	esign Eff	Min Eff	Design Loss	Max Loss	Comp liance
									None
]	Piping S	System Co	ompli	ance			
Category		Pipe Dia [inches]	Is Runout?	Operating Temp [F]	Ins Co [Btu-in .SF.	n/hr	Ins Thick [in]	Req 1 Thick	
								None	

Project: TAM A20 Title: TAM Buildin Type: Office	0		
(WEA File: FL_OF	RLANDO_INTL_ARP	T.tm3)	
		Other Required Compliance	
Category	Section	Requirement (write N/A in box if not applicable)	Check
Project: TAM A	20		

	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:	TAM A20	Description:	TAM Building A20
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:	Office	Class:	New Finished building
Jurisdiction:	ORLANDO, ORANGE COUN	NTY, FL (582100)	
Conditioned Area:	312300 SF	Conditioned & UnConditioned Area:	379800 SF
No of Stories:	20	Area entered from Plans	67500 SF
Permit No:	0	Max Tonnage	507
		If different, write in:	

Compliance Summary							
Component	Design	Criteria	Result				
Gross Energy Cost (in \$)	252,396.0	293,579.0	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.					

Buildin	ng End Uses	
	1) Proposed	2) Baseline
otal	16,253.20	22,033.80
	\$252,396	\$345,387
ELECTRICITY(MBtu/kWh/\$)	16,253.20	22,033.40
	4762193	6455790
	\$252,396	\$345,385
AREA LIGHTS	2,977.40	3,572.70
	872380	1046803
	\$46,236	\$56,004
HEAT REJECT	779.40	1,023.10
	228375	299773
	\$12,104	\$16,038
MISC EQUIPMT	5,697.70	5,697.70
	1669423	1669423
	\$88,479	\$89,314
PUMPS & MISC	318.40	586.30
	93283	171800
	\$4,944	\$9,191
SPACE COOL	3,914.70	8,901.20
	1147014	2608038
	\$60,792	\$139,530
SPACE HEAT	0.00	0.00
	0	6
	\$0	\$0
VENT FANS	2,565.60	2,252.40
	751718	659947
	\$39,841	\$35,307
NATURAL-GAS(MBtu/therm/\$)		0.40
	0	4
	\$0	\$2

			1) Proposed	2) Ba	seline	
	SPACE HEAT		0.00 0 \$ <i>0</i>)	0.40 4 \$2	
Credits Applied: N	lone				PASSES	
Passing Criteria =	293579					
Design (including	any credits) = 252396					
Passing requires P	roposed Building cost to be at m	ost 85% o	f			
Baseline cost. This	Proposed Building is at 73.1%					
Project: TAM A20 Title: TAM Building A Type: Office (WEA File: FL_ORLA	NDO_INTL_ARPT.tm3)					
	External Li	i <mark>ghting C</mark>	ompliance	e		
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	e Yes	1.00	150.0	150	
All External Light	s: 0 (W) Allowance for Tradable ting: 0 (W) k includes a excess/Base allowan		, ,		PASS	SES

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 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 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 <	Acronym	Ashrae ID	Description	Area (sq.ft)	Design CP	Min CP	Compli- ance
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 Pr0Zo3Sp1 16 Office - Open Plan 2,025 1 1 PASSES Pr0Zo6Sp1 16 Office - Open Plan 2,025 1 1 PASSES Pr0Zo7Sp1 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 Pr0Zo2Sp1 16 Office - Open Plan 2,025 1 1 PASSES Pr0Zo2Sp1 16 Office - Open Plan 2,025 1 <	Pr0Zo1Sp1	16	Office - Open Plan	14,400	2	2	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 Pr0Zo2Sp1 16 Office - Open Plan 2,025 1 1 PASSES Pr0Zo4Sp1 16 Office - Open Plan 2,025 1 1 PASSES Pr0Zo4Sp1 16 Office - Open Plan 2,025 1 1 PASSES Pr0Zo4Sp1 16 Office - Open Plan 2,025 1	Pr0Zo2Sp1	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 Pr0Zo2Sp1 16 Office - Open Plan 2,025 1 1 PASSES Pr0Zo2Sp1 16 Office - Open Plan 2,025 1 1 PASSES Pr0Zo13Sp1 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	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 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 2,025 1 1 PASSES Pr0Zo2Sp1 16 Office - Open Plan 2,025 1 1 PASSES Pr0Zo2Sp1 16 Office - Open Plan 2,025 1	Pr0Zo3Sp1	16	Office - Open Plan	2,025	1	1	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 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	Pr0Zo3Sp1	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 Pr0Zo2Sp1 16 Office - Open Plan 2,025 1 1 PASSES Pr0Zo6Sp1 16 Office - Open Plan 2,025 1 1 PASSES Pr0Zo13Sp1 16 Office - Open Plan 22,500 3 3 PASSES Pr0Zo2Sp1 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	Pr0Zo6Sp1	16	Office - Open Plan	22,500	3	3	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 Pr0Zo2Sp1 16 Office - Open Plan 2,025 1	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 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 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	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 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 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
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 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 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
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	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
Pr0Zo2Sp116 Office - Open Plan2,02511PASSES	Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
	Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
$\mathbf{D}_{\mathbf{D}} = \mathbf{D}_{\mathbf{D}} = $	Pr0Zo2Sp1	16	Office - Open Plan	2,025	1	1	PASSES
$\mathbf{Prozoosp1} \qquad 16 \mathbf{Ornce} - \mathbf{Open Plan} \qquad 22,300 \qquad 5 \qquad 5 \qquad \mathbf{FASSES}$	Pr0Zo6Sp1	16	Office - Open Plan	22,500	3	3	PASSES

	Syste	m Report	Complia	ance			
Pr0Sy2	System 2		ble Air Volu m904	me Built-uj	p N	No. of Units	
Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Comp- liance
Cooling System Air Handling System -Supply	Air Handler (Supply) -	1799592 44489	1.25	1.12			PASSES FAILS
Pr0Sy3	System 3			ble Air Volu m904	me Built-uj	p N	No. of Units 18
Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Comp- liance
Cooling System Air Handling System -Supply	Air Handler (Supply) -	207010 4243	1.25	1.12			PASSES FAILS
Pr0Sy4	System 4			ble Air Volu m904	me Built-uj	p N	No. of Units 1
Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Comp- liance
Cooling System Air Handling System -Supply	Air Handler (Supply) -	533951 11695	1.25	1.12			PASSES FAILS
						FAILS	5

Plant Compliance								
Description	Installed No	Size	Design Eff	Min Eff	Design IPLV	Min IPLV	Category	Comp liance
Open centrifugal, chiller	1	507	5.860	6.104	5.900	6.404	Water Chilling Pkg (Centrifugal) Elec. Operated Water Cooled 300-600 Tons	FAILS
Cooling Tower	1	0	14.000	7.000			Closed Cooling Tower - Centrifugal Fan	PASSES
Hot Water Boiler (Fuel)	1	3	90.000	84.000			Oil Fired >= 2,500,000 Btu/h	PASSES
							FAILS	

		Water I	Heater (Complian	ce				
Description	Туре	Cat	tegory	D	esign Eff	Min Eff	Design Loss	Max Loss	Comp liance
									None
]	Piping S	System Co	ompli	ance			
Category		Pipe Dia [inches]	Is Runout?	Operating Temp [F]	Ins Co [Btu-in .SF.	n/hr	Ins Thick [in]	Req 1 Thick	
								None	

Project: TAM A20 Title: TAM Buildin Type: Office (WEA File: FL_OI		T.tm3)	
		Other Required Compliance	
Category	Section	Requirement (write N/A in box if not applicable)	Check
Project: TAM A	\20		

DOE Based Sizing

PROJECT SUMMARY

Short Desc:	TAM A20	Description:	TAM Building A20
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:	Office	Class:	New Finished building
Weather File:	FL_ORLANDO_INTL_ARPT.tm3		
Conditioned Area:	312300 SF	Conditioned & UnConditioned Area:	379800 SF
No of Stories:	20	Area entered from Plans	67500 SF
Permit No:	0	Max Tonnage	566.5
		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)

Image: Note of the second system System 2 1 Pr0Sy2 System 2 2 Component Air Handling System -Supply System 3 2 Pr0Sy3 System 3 2 Pr0Sy3 System 3 2 Component Cooling System Air Handling System -Supply Sized Value 44489 Units 3 Pr0Sy4 System 4 2 Component Cooling System Air Handling System -Supply Sized Value 4243 Units 3 Pr0Sy4 System 4 2 Component Cooling System Air Handling System -Supply Sized Value 4243 Units 3 Pr0Sy4 System 4 Units 3 Pr0Sy4 System 2 System 4 10695 CFM Sized Value 533951 BTU/HR 7 Open centrifugal, chiller Open centrifugal, chiller Sized Value 507 Units 8 Cooling Tower Cooling Tower Cooling Tower 7.2 9 Hot Water Boiler (Fuel) Hot Water Boiler (Fuel) Units 0 Units 6 Component Hot Water Boiler (Fuel) Sized Value 0 Units	<u>IdSystem</u>	System Name	System Typ	9		
Kir Handling System1799592 44489BTU/HR CFM2Pr0Sy3System -SupplySystem 32Component Cooling System Air Handling System -SupplySized Value 207010 4243Units BTU/HR CFM3Pr0Sy4System 43Pr0Sy4System - Cooling System Cooling System Air Handling System -SupplySized Value 533951 11695Units BTU/HR CFM7Open centrifugal, chiller Open centrifugal, chiller Open centrifugal, chillerOpen centrifugal, chiller Sized Value 507Units Units Tons)8Cooling Tower Cooling TowerCooling Tower 7.2Units Units Sized Value 7.2Units Units Units9Hot Water Boiler (Fuel) Component Cooling TowerHot Water Boiler (Fuel) UnitsUnits Units				_		
2 Pr0Sy3 System 3 Component Sized Value Units Cooling System 207010 BTU/HR Air Handling System -Supply 4243 CFM 3 Pr0Sy4 System 4 Component Sized Value Units Cooling System System 4 Component Sized Value Units Soling System Supply 533951 BTU/HR Air Handling System -Supply 11695 CFM 7 Open centrifugal, chiller Open centrifugal, chiller Component Sized Value Units Open centrifugal, chiller Sof7 [Tons] 8 Cooling Tower Cooling Tower Cooling Tower 6 Cooling Tower Sized Value Units 7.2 Hot Water Boiler (Fuel) Hot Water Boiler (Fuel) Hot Water Boiler (Fuel)		Cooling System	1799592	BTU/HR		
Cooling System Air Handling System -Supply207010 4243BTU/HR CFM3Pr0Sy4System 43Component Cooling System Cooling System Air Handling System -SupplySized Value 533951 11695Units BTU/HR CFM7Open centrifugal, chiller Open centrifugal, chiller Open centrifugal, chillerOpen centrifugal, chiller 507Units (Tons)8Cooling Tower Cooling TowerCooling Tower Cooling TowerUnits Sized Value T.2Units Units So79Hot Water Boiler (Fuel) ComponentHot Water Boiler (Fuel) Sized ValueUnits Units	2			2		
Component Cooling System Air Handling System -Supply Sized Value 533951 Units BTU/HR 7 Open centrifugal, chiller Open centrifugal, chiller 7 Open centrifugal, chiller Open centrifugal, chiller Component Open centrifugal, chiller Sized Value 507 Units (Tons) 8 Cooling Tower Cooling Tower Component Open centrifugal, chiller Sized Value 507 Units (Tons) 8 Cooling Tower Cooling Tower Cooling Tower Sized Value 7.2 Units 9 Hot Water Boiler (Fuel) Component Hot Water Boiler (Fuel) Sized Value Units		Cooling System	207010	BTU/HR		
Cooling System533951BTU/HR CFMAir Handling System -Supply11695CFM7Open centrifugal, chillerOpen centrifugal, chillerComponentSized ValueUnits 5070pen centrifugal, chiller507[Tons]8Cooling TowerCooling TowerComponentSized ValueUnits 5078Cooling TowerCooling TowerCooling TowerSized ValueUnits 7.29Hot Water Boiler (Fuel) ComponentHot Water Boiler (Fuel)ComponentSized ValueUnitsSized ValueUnits	3	Pr0Sy4	System 4			
Component Open centrifugal, chiller Sized Value 507 Units [Tons] 8 Cooling Tower Cooling Tower Component Cooling Tower Cooling Tower Units 9 Hot Water Boiler (Fuel) Component Hot Water Boiler (Fuel) <u>Component</u> Sized Value Units		Cooling System	533951	BTU/HR		
Open centrifugal, chiller 507 [Tons] 8 Cooling Tower Cooling Tower Component Sized Value Units Cooling Tower 7.2 9 Hot Water Boiler (Fuel) Hot Water Boiler (Fuel) Component Sized Value Units	7	Open centrifugal, chiller	Open centrifu	gal, chiller		
Component Cooling Tower Sized Value 7.2 Units 9 Hot Water Boiler (Fuel) Component Hot Water Boiler (Fuel)		-				
9 Hot Water Boiler (Fuel) 7.2 9 Hot Water Boiler (Fuel) Example 1 1 Component Sized Value 1 Units	8	Cooling Tower	Cooling Towe	r		
Component Sized Value Units		-		<u>Units</u>		
	9	Hot Water Boiler (Fuel)	Hot Water Boiler (Fuel)			