ENERGY CONSUMPTION SUMMARY

By Honeywell

	Elect Cons. (kWh)	% of Total Building Energy	Total Building Energy (kBtu/yr)	Total Source Energy* (kBtu/yr)
Alternative 5				
Primary heating				
Primary heating	6,044	1.4 %	20,627	61,888
Other Htg Accessories		0.0 %	0	0
Heating Subtotal	**6,044**	**1.4 %**	**20,627**	**61,888**
Primary cooling				
Cooling Compressor	147,736	34.7 %	504,224	1,512,824
Tower/Cond Fans	14,698	3.5 %	50,166	150,512
Condenser Pump		0.0 %	0	0
Other Clg Accessories	338	0.1 %	1,155	3,465
Cooling Subtotal....	**162,773**	**38.2 %**	**555,545**	**1,666,802**
Auxiliary				
Supply Fans	40,791	9.6 %	139,219	417,700
Pumps	38,018	8.9 %	129,755	389,304
Stand-alone Base Utilities		0.0 %	0	0
Aux Subtotal....	78,809	18.5 %	268,974	807,004
Lighting				
Lighting	117,237	27.5 %	400,131	1,200,513
Receptacle				
Receptacles	61,061	14.3 %	208,402	625,268
Cogeneration				
Cogeneration		0.0 %	0	0
Totals				
Totals**	**425,924**	**100.0 %**	**1,453,679**	**4,361,474**

* Note: Resource Utilization factors are included in the Total Source Energy value.

** Note: This report can display a maximum of 7 utilities. If additional utilities are used, they will be included in the total.

ENERGY CONSUMPTION SUMMARY

By Honeywell

	Elect Cons. (kWh)	% of Total Building Energy	Total Building Energy (kBtu/yr)	Total Source Energy* (kBtu/yr)
Alternative 7 – 76				
Primary heating				
Primary heating	5,555	1.4 %	18,958	56,881
Other Htg Accessories		0.0 %	0	0
Heating Subtotal	**5,555**	**1.4 %**	**18,958**	**56,881**
Primary cooling				
Cooling Compressor	132,687	32.8 %	452,861	1,358,718
Tower/Cond Fans	13,169	3.3 %	44,945	134,847
Condenser Pump		0.0 %	0	0
Other Clg Accessories	345	0.1 %	1,179	3,537
Cooling Subtotal....	**146,201**	**36.1 %**	**498,984**	**1,497,102**
Auxiliary				
Supply Fans	36,215	9.0 %	123,600	370,838
Pumps	38,239	9.5 %	130,510	391,569
Stand-alone Base Utilities		0.0 %	0	0
Aux Subtotal....	74,454	18.4 %	254,110	762,407
Lighting				
Lighting	117,237	29.0 %	400,131	1,200,513
Receptacle				
Receptacles	61,061	15.1 %	208,402	625,268
Cogeneration				
Cogeneration		0.0 %	0	0
Totals				
Totals**	**404,508**	**100.0 %**	**1,380,585**	**4,142,171**

* Note: Resource Utilization factors are included in the Total Source Energy value.

** Note: This report can display a maximum of 7 utilities. If additional utilities are used, they will be included in the total.

Energy Cost Budget / PRM Summary

By Honeywell

Project Name:	Date: January 23, 2012
City:	Weather Data: West Palm Beach, Florida

Note: The percentage displayed for the "Proposed/ Base %" column of the base case is actually the percentage of the total energy consumption.

* Denotes the base alternative for the ECB study.

		* Alt-1 Port St Lucie City Hall B			Alt-2 Port St Lucie City Hall B Li			Alt-3 Port St Lucie City Hall B En			Alt-4 High efficiency Pumps with		
		Energy 10^6 Btu/yr	Proposed / Base %	Peak kBtuh	Energy 10^6 Btu/yr	Proposed / Base %	Peak kBtuh	Energy 10^6 Btu/yr	Proposed / Base %	Peak kBtuh	Energy 10^6 Btu/yr	Proposed / Base %	Peak kBtuh
Lighting - Conditioned	Electricity	646.0	32	188	400.1	62	116	400.1	62	116	400.1	62	116
Space Heating	Electricity	58.3	3	263	61.0	105	266	20.6	35	97	20.6	35	97
Space Cooling	Electricity	737.9	37	645	657.6	89	610	558.7	76	510	558.7	76	510
Pumps	Electricity	199.8	10	69	195.9	98	69	197.7	99	69	114.5	57	49
Heat Rejection	Electricity	71.4	4	56	63.4	89	53	54.1	76	46	54.1	76	46
Fans - Conditioned	Electricity	91.8	5	89	77.7	85	83	139.2	152	108	139.2	152	108
Receptacles - Conditioned	Electricity	208.4	10	61	208.4	100	61	208.4	100	61	208.4	100	61
Total Building Consumption		**2,013.6**			**1,664.1**			**1,579.0**			**1,495.8**		

		* Alt-1 Port St Lucie City Hall B	Alt-2 Port St Lucie City Hall B Li	Alt-3 Port St Lucie City Hall B E	Alt-4 High efficiency Pumps wit
Total	**Number of hours heating load not met**	0	0	4	4
	Number of hours cooling load not met	0	0	0	0

	* Alt-1 Port St Lucie City Hall B		Alt-2 Port St Lucie City Hall B Li		Alt-3 Port St Lucie City Hall B E		Alt-4 High efficiency Pumps wit	
	Energy 10^6 Btu/yr	Cost/yr $/yr	Energy 10^6 Btu/yr	Cost/yr $/yr	Energy 10^6 Btu/yr	Cost/yr $/yr	Energy 10^6 Btu/yr	Cost/yr $/yr
Electricity	2,013.6	63,148	1,664.1	53,582	1,579.0	50,100	1,495.8	47,870
Total	**2,014**	**63,148**	**1,664**	**53,582**	**1,579**	**50,100**	**1,496**	**47,870**

Energy Cost Budget / PRM Summary

By Honeywell

Project Name:	Date: January 23, 2012
City:	Weather Data: West Palm Beach, Florida

Note: The percentage displayed for the "Proposed/ Base %" column of the base case is actually the percentage of the total energy consumption.

* Denotes the base alternative for the ECB study.

		* Alt-4 High efficiency Pumps w			Alt-5 Demand control ventilation			Alt-6 Chilled water reset sequen		
		Energy 10^6 Btu/yr	Proposed / Base %	Peak kBtuh	Energy 10^6 Btu/yr	Proposed / Base %	Peak kBtuh	Energy 10^6 Btu/yr	Proposed / Base %	Peak kBtuh
Lighting - Conditioned	Electricity	400.1	26	116	400.1	100	116	400.1	100	116
Space Heating	Electricity	20.6	1	97	20.6	100	97	20.6	100	97
Space Cooling	Electricity	558.7	37	510	522.1	93	520	505.4	90	513
Pumps	Electricity	133.1	9	82	129.0	97	82	129.8	97	82
Heat Rejection	Electricity	54.1	4	46	50.6	93	46	50.2	93	46
Fans - Conditioned	Electricity	139.2	9	108	139.2	100	108	139.2	100	108
Receptacles - Conditioned	Electricity	208.4	14	61	208.4	100	61	208.4	100	61
Total Building Consumption		**1,514.3**			**1,470.1**			**1,453.7**		

		* Alt-4 High efficiency Pumps w	Alt-5 Demand control ventilation	Alt-6 Chilled water reset sequen
Total	**Number of hours heating load not met**	4	4	4
	Number of hours cooling load not met	0	0	0

	* Alt-4 High efficiency Pumps w			Alt-5 Demand control ventilation			Alt-6 Chilled water reset sequen		
	Energy 10^6 Btu/yr	Cost/yr	$/yr	Energy 10^6 Btu/yr	Cost/yr	$/yr	Energy 10^6 Btu/yr	Cost/yr	$/yr
Electricity	1,514.3	49,017		1,470.1	48,274		1,453.7	47,627	
Total	**1,514**	**49,017**		**1,470**	**48,274**		**1,454**	**47,627**	

MONTHLY UTILITY COSTS

By Honeywell

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
	------ Monthly Utility Costs ------												
Alternative 1													
Electric													
On-Pk Cons. ($)	2,074	2,364	2,559	2,551	2,939	3,429	3,380	3,956	3,224	2,834	2,393	2,103	33,806
Off-Pk Cons. ($)	16	16	16	16	16	16	16	16	16	16	16	16	197
On-Pk Demand ($)	1,747	1,761	2,201	2,381	2,489	2,841	2,962	3,114	2,927	2,469	2,238	2,015	29,145
Total ($):	3,838	4,141	4,777	4,948	5,444	6,287	6,358	7,087	6,167	5,320	4,647	4,135	63,148
Monthly Total ($):	3,838	4,141	4,777	4,948	5,444	6,287	6,358	7,087	6,167	5,320	4,647	4,135	63,148

Building Area = 37,328 ft²

Utility Cost Per Area = 1.69 $/ft²

Alternative 2													
Electric													
On-Pk Cons. ($)	1,610	1,960	2,031	2,083	2,426	2,912	2,908	3,429	2,757	2,315	1,903	1,604	27,938
Off-Pk Cons. ($)	16	16	16	16	16	16	16	16	16	16	16	16	197
On-Pk Demand ($)	1,456	1,467	1,889	2,072	2,184	2,521	2,618	2,797	2,597	2,170	1,938	1,739	25,447
Total ($):	3,083	3,443	3,936	4,171	4,626	5,449	5,543	6,242	5,371	4,502	3,857	3,359	53,582
Monthly Total ($):	3,083	3,443	3,936	4,171	4,626	5,449	5,543	6,242	5,371	4,502	3,857	3,359	53,582

Building Area = 37,328 ft²

Utility Cost Per Area = 1.44 $/ft²

MONTHLY UTILITY COSTS

By Honeywell

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
	------- Monthly Utility Costs -------												
Alternative 3													
Electric													
On-Pk Cons. ($)	1,641	1,644	2,094	2,064	2,367	2,705	2,604	2,994	2,465	2,266	1,924	1,742	26,509
Off-Pk Cons. ($)	16	16	16	16	16	16	16	16	16	16	16	16	197
On-Pk Demand ($)	1,592	1,621	1,872	1,925	1,957	2,131	2,201	2,283	2,205	1,999	1,871	1,737	23,394
Total ($):	3,250	3,281	3,982	4,005	4,340	4,852	4,822	5,294	4,686	4,281	3,811	3,496	50,100
Monthly Total ($):	3,250	3,281	3,982	4,005	4,340	4,852	4,822	5,294	4,686	4,281	3,811	3,496	50,100

Building Area = 37,328 ft²

Utility Cost Per Area = 1.34 $/ft²

Alternative 4													
Electric													
On-Pk Cons. ($)	1,526	1,536	1,967	1,955	2,250	2,583	2,485	2,858	2,366	2,147	1,808	1,630	25,113
Off-Pk Cons. ($)	16	16	16	16	16	16	16	16	16	16	16	16	197
On-Pk Demand ($)	1,512	1,542	1,799	1,854	1,887	2,068	2,140	2,226	2,144	1,930	1,798	1,661	22,560
Total ($):	3,055	3,094	3,782	3,826	4,154	4,667	4,642	5,101	4,527	4,093	3,623	3,308	47,870
Monthly Total ($):	3,055	3,094	3,782	3,826	4,154	4,667	4,642	5,101	4,527	4,093	3,623	3,308	47,870

Building Area = 37,328 ft²

Utility Cost Per Area = 1.28 $/ft²

MONTHLY UTILITY COSTS

By Honeywell

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
					------- Monthly Utility Costs -------								
Alternative 4													
Electric													
On-Pk Cons. ($)	1,526	1,536	1,967	1,955	2,250	2,650	2,569	2,951	2,434	2,147	1,808	1,630	25,424
Off-Pk Cons. ($)	16	16	16	16	16	16	16	16	16	16	16	16	197
On-Pk Demand ($)	1,512	1,542	1,891	1,947	1,980	2,160	2,233	2,319	2,237	2,022	1,891	1,661	23,396
Total ($):	3,055	3,094	3,875	3,919	4,246	4,827	4,819	5,286	4,687	4,186	3,716	3,308	49,017
Monthly Total ($):	3,055	3,094	3,875	3,919	4,246	4,827	4,819	5,286	4,687	4,186	3,716	3,308	49,017

Building Area = 37,328 ft²

Utility Cost Per Area = 1.31 $/ft²

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative 5													
Electric													
On-Pk Cons. ($)	1,524	1,574	1,952	1,912	2,198	2,535	2,427	2,799	2,303	2,090	1,778	1,588	24,681
Off-Pk Cons. ($)	16	16	16	16	16	16	16	16	16	16	16	16	197
On-Pk Demand ($)	1,512	1,542	1,891	1,947	1,980	2,160	2,233	2,319	2,237	2,022	1,891	1,661	23,395
Total ($):	3,053	3,132	3,860	3,875	4,194	4,712	4,677	5,134	4,556	4,129	3,686	3,265	48,274
Monthly Total ($):	3,053	3,132	3,860	3,875	4,194	4,712	4,677	5,134	4,556	4,129	3,686	3,265	48,274

Building Area = 37,328 ft²

Utility Cost Per Area = 1.29 $/ft²

MONTHLY UTILITY COSTS

By Honeywell

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
					------- Monthly Utility Costs -------								
Alternative 5													
Electric													
On-Pk Cons. ($)	1,513	1,564	1,932	1,894	2,181	2,500	2,392	2,756	2,272	2,071	1,760	1,571	24,405
Off-Pk Cons. ($)	16	16	16	16	16	16	16	16	16	16	16	16	197
On-Pk Demand ($)	1,501	1,532	1,857	1,910	1,942	2,119	2,193	2,278	2,196	1,984	1,856	1,656	23,024
Total ($):	3,031	3,112	3,805	3,820	4,139	4,636	4,601	5,051	4,484	4,072	3,632	3,243	47,627
Monthly Total ($):	3,031	3,112	3,805	3,820	4,139	4,636	4,601	5,051	4,484	4,072	3,632	3,243	47,627

Building Area = 37,328 ft²

Utility Cost Per Area = 1.28 $/ft²

MONTHLY UTILITY COSTS

By Honeywell

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
					------- Monthly Utility Costs -------								

Alternative 7 – 76 degree setpoint

Electric

On-Pk Cons. ($)	1,419	1,477	1,818	1,785	2,096	2,376	2,297	2,653	2,126	1,958	1,675	1,499	23,178
Off-Pk Cons. ($)	16	16	16	16	16	16	16	16	16	16	16	16	197
On-Pk Demand ($)	1,452	1,485	1,749	1,864	1,895	2,058	2,123	2,205	2,128	1,938	1,746	1,594	22,237
Total ($):	2,888	2,978	3,584	3,666	4,007	4,451	4,437	4,874	4,270	3,913	3,437	3,110	45,613
Monthly Total ($):	2,888	2,978	3,584	3,666	4,007	4,451	4,437	4,874	4,270	3,913	3,437	3,110	45,613

Building Area = 37,328 ft²

Utility Cost Per Area = 1.22 $/ft²

Economic Summary

Project Information

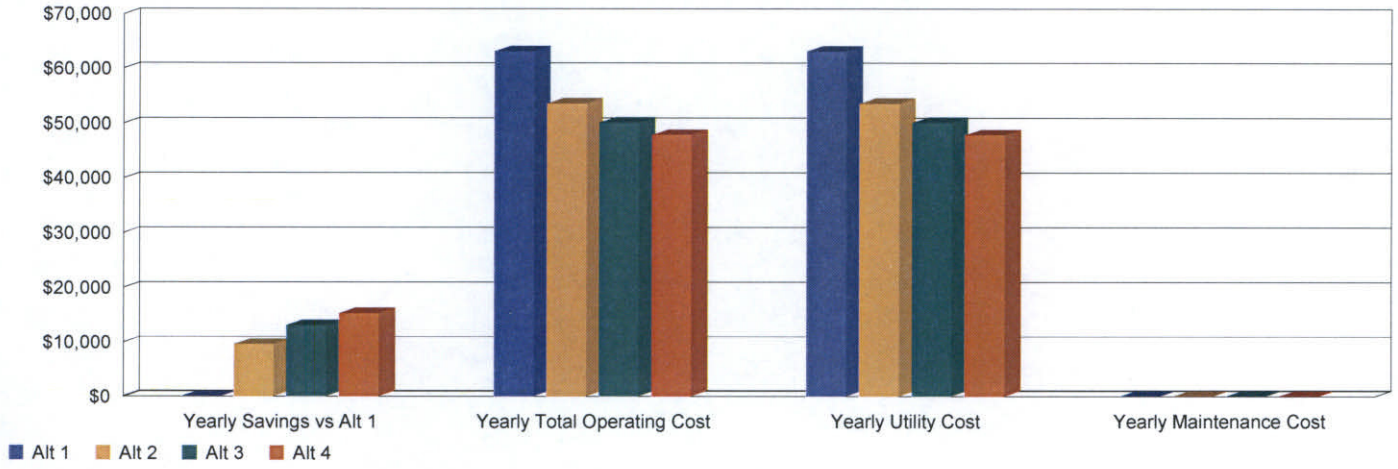
Location
Project Name
User
Company
Comments

Study Life: 20 years
Cost of Capital: 10 %
Alternative 1: Port St Lucie City Hall B
Alternative 2: Port St Lucie City Hall B Lighting ECM
Alternative 3: Port St Lucie City Hall B Envelope
Alternative 4: High efficiency Pumps with VFD Pumping

Economic Comparison of Alternatives

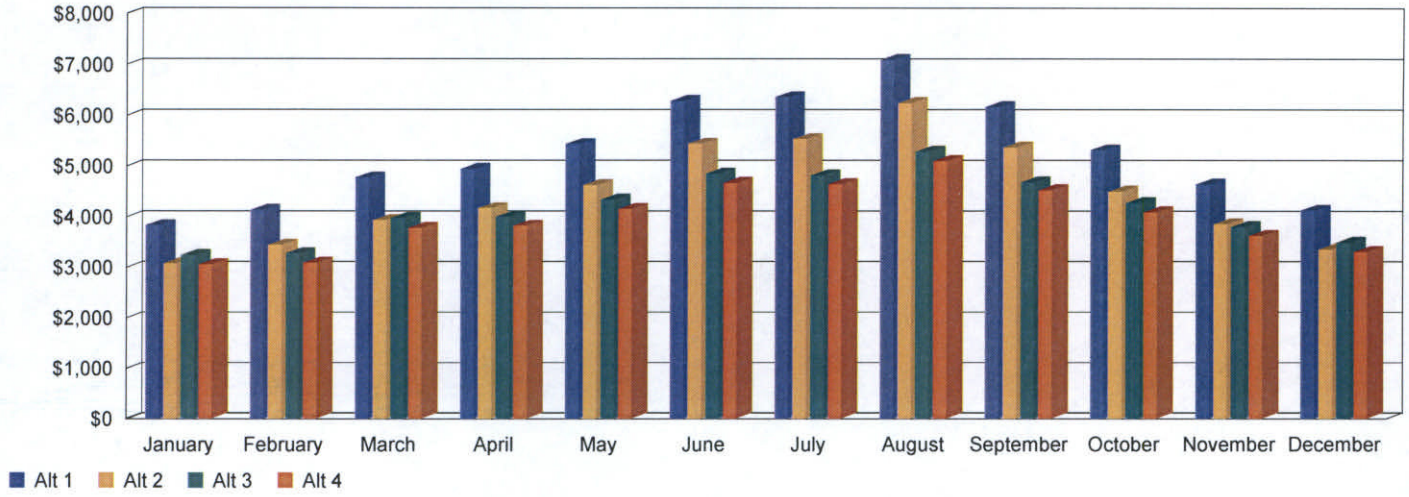
	Yearly Savings ($)	First Cost Difference ($)	Cumulative Cash Flow Difference ($)	Simple Payback (yrs.)	Net Present Value ($)	Life Cycle Payback (yrs.)	Internal Rate of Return (%)	Life Cycle Cost
Alt 1 vs Alt 2	-9,566	0	-191,323	No Payback	-81,442	No Payback	Does Not Payback	-81,441.80
Alt 1 vs Alt 3	-13,048	0	-260,963	No Payback	-111,086	No Payback	Does Not Payback	-111,086.00
Alt 1 vs Alt 4	-15,278	0	-305,556	No Payback	-130,069	No Payback	Does Not Payback	-130,068.50
Alt 2 vs Alt 3	-3,482	0	-69,640	No Payback	-29,644	No Payback	Does Not Payback	-29,644.24
Alt 2 vs Alt 4	-5,712	0	-114,233	No Payback	-48,627	No Payback	Does Not Payback	-48,626.68
Alt 3 vs Alt 4	-2,230	0	-44,593	No Payback	-18,982	No Payback	Does Not Payback	-18,982.43

Annual Operating Costs



	Yearly Savings vs Alt 1	Yearly Total Operating Cost ($)	Yearly Utility Cost ($)	Yearly Maintenance Cost ($)	Plant kWh/ton-hr
Alt 1	0	63,148	63,148	0	0.000
Alt 2	9,566	53,582	53,582	0	0.000
Alt 3	13,048	50,100	50,100	0	0.000
Alt 4	15,278	47,870	47,870	0	0.000

Monthly Utility Costs



Project Name:
Dataset Name: CITY HALL B-V5.TRC

TRACE 700 6.2.7
calculated at 03:06 PM on 01/23/2012

Economic Summary

Project Information

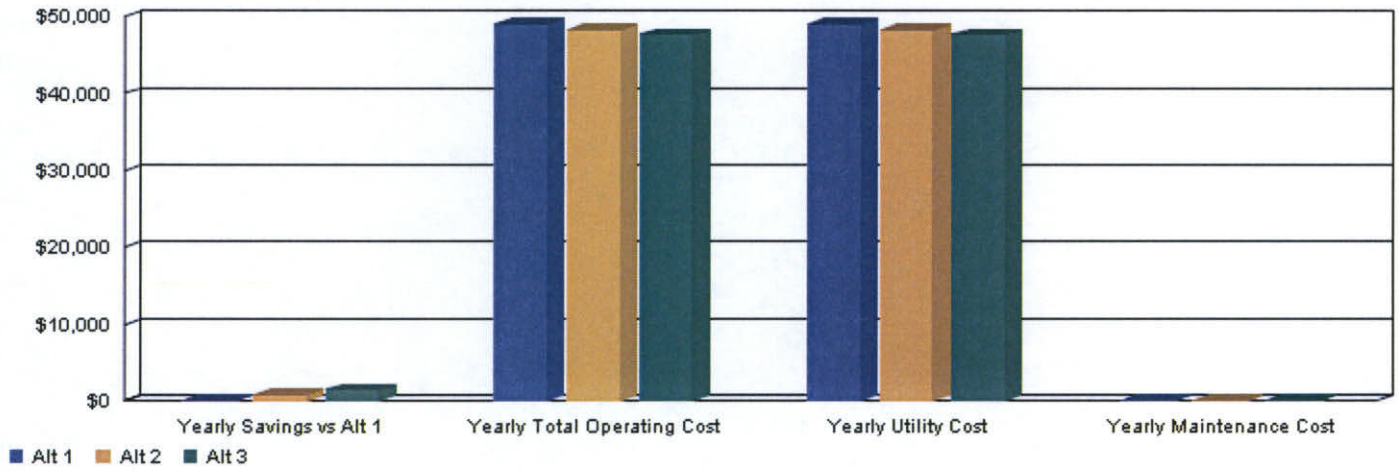
Location
Project Name
User
Company
Comments

Study Life: 20 years
Cost of Capital: 10 %
Alternative 4: High efficiency Pumps with VFD Pumping
Alternative 5: Demand control ventilation
Alternative 6: Chilled water reset sequence

Economic Comparison of Alternatives

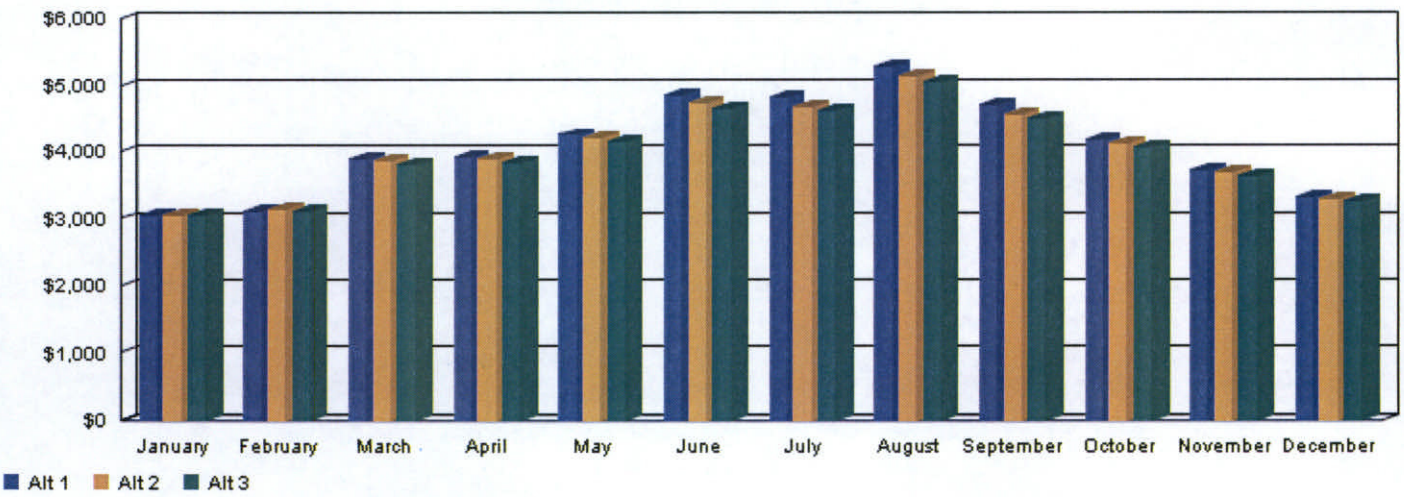
	Yearly Savings ($)	First Cost Difference ($)	Cumulative Cash Flow Difference ($)	Simple Payback (yrs.)	Net Present Value ($)	Life Cycle Payback (yrs.)	Internal Rate of Return (%)	Life Cycle Cost
Alt 4 vs Alt 5	-743	0	-14,866	No Payback	-6,328	No Payback	Does Not Payback	-6,328.17
Alt 4 vs Alt 6	-1,390	0	-27,803	No Payback	-11,835	No Payback	Does Not Payback	-11,835.30
Alt 5 vs Alt 6	-647	0	-12,937	No Payback	-5,507	No Payback	Does Not Payback	-5,507.13

Annual Operating Costs



	Yearly Savings vs Alt 1	Yearly Total Operating Cost ($)	Yearly Utility Cost ($)	Yearly Maintenance Cost ($)	Plant kWh/ton-hr
Alt 4	0	49,017	49,017	0	0.000
Alt 5	743	48,274	48,274	0	0.000
Alt 6	1,390	47,627	47,627	0	0.000

Monthly Utility Costs



Economic Summary

Project Information

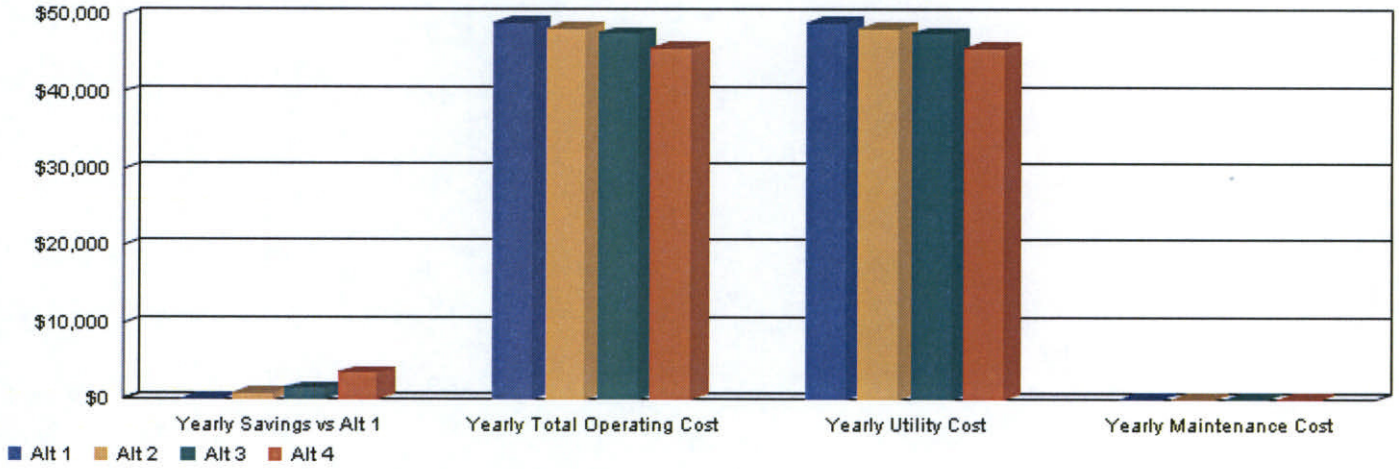
Location
Project Name
User
Company
Comments

Study Life: 20 years
Cost of Capital: 10 %
Alternative 4: High efficiency Pumps with VFD Pumping
Alternative 5: Demand control ventilation
Alternative 6: Chilled water reset sequence
Alternative 7: Reset temperature 2 degrees higher

Economic Comparison of Alternatives

	Yearly Savings ($)	First Cost Difference ($)	Cumulative Cash Flow Difference ($)	Simple Payback (yrs.)	Net Present Value ($)	Life Cycle Payback (yrs.)	Internal Rate of Return (%)	Life Cycle Cost
Alt 4 vs Alt 5	-743	0	-14,866	No Payback	-6,328	No Payback	Does Not Payback	-6,328.20
Alt 4 vs Alt 6	-1,390	0	-27,803	No Payback	-11,835	No Payback	Does Not Payback	-11,835.33
Alt 4 vs Alt 7	-3,404	0	-68,084	No Payback	-28,982	No Payback	Does Not Payback	-28,982.04
Alt 5 vs Alt 6	-647	0	-12,937	No Payback	-5,507	No Payback	Does Not Payback	-5,507.13
Alt 5 vs Alt 7	-2,661	0	-53,218	No Payback	-22,654	No Payback	Does Not Payback	-22,653.84
Alt 6 vs Alt 7	-2,014	0	-40,281	No Payback	-17,147	No Payback	Does Not Payback	-17,146.71

Annual Operating Costs



	Yearly Savings vs Alt 1	Yearly Total Operating Cost ($)	Yearly Utility Cost ($)	Yearly Maintenance Cost ($)
Alt 4	0	49,017	49,017	0
Alt 5	743	48,274	48,274	0
Alt 6	1,390	47,627	47,627	0
Alt 7	3,404	45,613	45,613	0

City Hall C

Entered Values

TRACE® 700 version 6.2.7

By Honeywell Inc

Project Name:
Dataset Name: D:\DOCUMENTS AND SETTINGS\E470859\MY DOCUMENTS\PROJECTS\PORT ST LUCIE FL\CONTRACT WORKING
Location:
Building Owner:
Program User:
Company:
Comments:

Cooling Design Period:	January thru December
Peak Hour Override:	0
Daylight Savings Period:	
Summer Period:	
Cooling Methodology:	TETD-TA1
Heating Methodology:	UATD
Infiltration Methodology:	Vary with wind speed
Outside Film Methodology:	Vary with wind speed
Terrain Methodology:	Flat terrain with some isolated objects
Room Circ Rate:	Medium
Wall Load To Plenum:	YES
Building Orientation:	0 degrees from north
Simulation Hours:	Reduced year
Calendar Code:	Standard (1978)
Energy Simulation Period:	January thru December

Location:	West Palm Beach, Florida	
Summer Design Dry Bulb:	92.30	°F
Summer Design Wet Bulb:	79.20	°F
Winter Design Dry Bulb:	45.00	°F
Summer Clearness Number:	0.90	
Winter Clearness Number:	0.95	
Summer Ground Reflectance:	0.20	
Winter Ground Reflectance:	0.20	
Carbon Dioxide Level:	400	ppm
Force VAV Min => Nominal Ventilation at Design:	No	
Allow Energy Recovery/Transfer at Design:	No	
Retest Design Peaks:	Yes	
Calculate Building Block Loads:	No	

ENTERED VALUES
PLANTS
By Honeywell Inc

Cooling Plant: Cooling plant - 001

Sizing method: Peak
Heat rejection type: None
Secondary distribution pump: Cnst vol chill water pump
Secondary pump consumption: 10 hp
Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Off (0%)

Geothermal Loop

TLoop Ent Bldg: None
TLoop schedule: None
Flow rate: 100.00% of condenser flow rate
Loop pump None
Pump F.L. rate: 0.00ft water
Flow scheme: Fully mixed
Loop fluid glycol: 0%
Heat exchanger approach: 0°F

Equipment tag: Air-cooled chiller - 001

Cooling Type: Default air-cooled chiller

Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	80.0 tons	1.4000 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type	Full Load Consumption
Chilled water:	Cnst vol chill water pump	10.00 hp
Condenser water:	None	
Heat recovery or aux cond:	None	
Free cooling:	None	

Heat Rejection and Thermal Storage

Heat rejection type: MZ packaged rooftop cond fan
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Equipment Options

Sequencing type: Par. Decoupled
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Equipment tag: Air-cooled chiller - 002

Cooling Type: Default air-cooled chiller

Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	60.0 tons	1.3000 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type	Full Load Consumption
Chilled water:	Cnst vol chill water pump	10.00 hp
Condenser water:	None	
Heat recovery or aux cond:	None	
Free cooling:	None	

Heat Rejection and Thermal Storage

Heat rejection type: MZ packaged rooftop cond fan
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Equipment Options

Sequencing type: Par. Decoupled
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Equipment tag: Air-cooled unitary - 003

Cooling Type: Default air-cooled unitary

Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	3.0 tons	1.3800 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type	Full Load Consumption
Chilled water:	None	
Condenser water:	None	
Heat recovery or aux cond:	None	
Free cooling:	None	

Heat Rejection and Thermal Storage

Equipment Options

ENTERED VALUES
PLANTS
By Honeywell Inc

Heat rejection type: Condenser fan for Heat Pump
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Equipment tag: Air-cooled unitary - 004 **Cooling Type: Default air-cooled unitary** Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	3.0 tons	1.3800 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type
Chilled water:	None
Condenser water:	None
Heat recovery or aux cond:	None
Free cooling:	None

Full Load Consumption

Heat Rejection and Thermal Storage

Heat rejection type: Condenser fan for Heat Pump
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F

Equipment Options

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Heating Plant: Heating plant - 002

Sizing method: Peak
Cogeneration type: None
Secondary distribution pump: None
Thermal storage type: None
Thermal storage capacity: 0 ton-hr

Equipment tag: Electric Resistance - 001 **Heating Type: Default electric resistance** Heating plant - 002

Heating capacity:
Energy rate: 100.00 % Effic.

Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Storage

Hot water pump type: None
Hot water pump cons: 0.00 kW

Equipment schedule: Available (100%)
Demand limiting priority:

Base Utilities

Plant assigned to:
Type:

Description:
Demand limiting priority:

Schedule:
Hourly demand:

Miscellaneous accessories

Plant assigned to:
Equipment tag:

Type:
Description:

Schedule:
Energy:

ENTERED VALUES
PLANTS
By Honeywell Inc

Cooling Plant: Cooling plant - 001

Sizing method: Peak
Heat rejection type: None
Secondary distribution pump: Cnst vol chill water pump
Secondary pump consumption: 10 hp
Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Off (0%)

Geothermal Loop

TLoop Ent Bldg: None
TLoop schedule: None
Flow rate: 100.00% of condenser flow rate
Loop pump None
Pump F.L. rate: 0.00ft water
Flow scheme: Fully mixed
Loop fluid glycol: 0%
Heat exchanger approach: 0°F

Equipment tag: Air-cooled chiller - 001 — Cooling Type: Default air-cooled chiller — Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	80.0 tons	1.4000 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type	Full Load Consumption
Chilled water:	Cnst vol chill water pump	10.00 hp
Condenser water:	None	
Heat recovery or aux cond:	None	
Free cooling:	None	

Heat Rejection and Thermal Storage

Heat rejection type: MZ packaged rooftop cond fan
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Equipment Options

Sequencing type: Par. Decoupled
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 339999995214436
Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No
Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Equipment tag: Air-cooled chiller - 002 — Cooling Type: Default air-cooled chiller — Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	60.0 tons	1.3000 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type	Full Load Consumption
Chilled water:	Cnst vol chill water pump	10.00 hp
Condenser water:	None	
Heat recovery or aux cond:	None	
Free cooling:	None	

Heat Rejection and Thermal Storage

Heat rejection type: MZ packaged rooftop cond fan
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Equipment Options

Sequencing type: Par. Decoupled
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 339999995214436
Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No
Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Equipment tag: Air-cooled unitary - 003 — Cooling Type: Default air-cooled unitary — Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	3.0 tons	1.3800 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type	Full Load Consumption
Chilled water:	None	
Condenser water:	None	
Heat recovery or aux cond:	None	
Free cooling:	None	

Heat Rejection and Thermal Storage — Equipment Options

ENTERED VALUES
PLANTS
By Honeywell Inc

Heat rejection type: Condenser fan for Heat Pump
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 33999999521443€

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Equipment tag: Air-cooled unitary - 004 **Cooling Type: Default air-cooled unitary** **Cooling plant - 001**

Operating Mode	Capacity	Energy Rate	Pumps	Type	Full Load Consumption
Cooling:	3.0 tons	1.3800 kW/ton	Chilled water:	None	
Heat recovery:			Condenser water:	None	
Tank charging:			Heat recovery or aux cond:	None	
Tank charging & heat recovery:			Free cooling:	None	

Heat Rejection and Thermal Storage

Heat rejection type: Condenser fan for Heat Pump
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 33999999521443€

Equipment Options

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Heating Plant: Heating plant - 002

Sizing method: Peak
Cogeneration type: None
Secondary distribution pump: None
Thermal storage type: None
Thermal storage capacity: 0 ton-hr

Equipment tag: Electric Resistance - 001 **Heating Type: Default electric resistance** **Heating plant - 002**

Heating capacity:
Energy rate: 100.00 % Effic.

Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Storage

Hot water pump type: None
Hot water pump cons: 0.00 kW

Equipment schedule: Available (100%)
Demand limiting priority:

Base Utilities

Plant assigned to:
Type:

Description:
Demand limiting priority:

Schedule:
Hourly demand:

Miscellaneous accessories

Plant assigned to:
Equipment tag:

Type:
Description:

Schedule:
Energy:

ENTERED VALUES
PLANTS
By Honeywell Inc

Cooling Plant: Cooling plant - 001

Sizing method: Peak
Heat rejection type: None
Secondary distribution pump: Var vol chill water pump
Secondary pump consumption: 10 hp
Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Off (0%)

Geothermal Loop

TLoop Ent Bldg:	None	Flow scheme:	Fully mixed
TLoop schedule:	None	Loop fluid glycol:	0%
Flow rate:	100.00% of condenser flow rate	Heat exchanger approach:	0°F
Loop pump	None		
Pump F.L. rate:	0.00ft water		

Equipment tag: Air-cooled chiller - 001 — Cooling Type: Default air-cooled chiller — Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	80.0 tons	1.4000 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type	Full Load Consumption
Chilled water:	Cnst vol chill water pump	10.00 hp
Condenser water:	None	
Heat recovery or aux cond:	None	
Free cooling:	None	

Heat Rejection and Thermal Storage

Heat rejection type: MZ packaged rooftop cond fan
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Equipment Options

Sequencing type: Par. Decoupled
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 33999999521443€
Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No
Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Equipment tag: Air-cooled chiller - 002 — Cooling Type: Default air-cooled chiller — Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	60.0 tons	1.3000 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type	Full Load Consumption
Chilled water:	Cnst vol chill water pump	10.00 hp
Condenser water:	None	
Heat recovery or aux cond:	None	
Free cooling:	None	

Heat Rejection and Thermal Storage

Heat rejection type: MZ packaged rooftop cond fan
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Equipment Options

Sequencing type: Par. Decoupled
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 33999999521443€
Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No
Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Equipment tag: Air-cooled unitary - 003 — Cooling Type: Default air-cooled unitary — Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	3.0 tons	1.3800 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type	Full Load Consumption
Chilled water:	None	
Condenser water:	None	
Heat recovery or aux cond:	None	
Free cooling:	None	

Heat Rejection and Thermal Storage

Equipment Options

ENTERED VALUES
PLANTS
By Honeywell Inc

Heat rejection type: Condenser fan for Heat Pump
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 339999995214436

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Equipment tag: Air-cooled unitary - 004 **Cooling Type: Default air-cooled unitary** Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	3.0 tons	1.3800 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps Type
Chilled water: None
Condenser water: None
Heat recovery or aux cond: None
Free cooling: None

Full Load Consumption

Heat Rejection and Thermal Storage

Heat rejection type: Condenser fan for Heat Pump
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 339999995214436

Equipment Options

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Heating Plant: Heating plant - 002

Sizing method: Peak
Cogeneration type: None
Secondary distribution pump: None
Thermal storage type: None
Thermal storage capacity: 0 ton-hr

Equipment tag: Electric Resistance - 001 **Heating Type: Default electric resistance** Heating plant - 002

Heating capacity:
Energy rate: 100.00 % Effic.

Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Storage

Hot water pump type: None
Hot water pump cons: 0.00 kW

Equipment schedule: Available (100%)
Demand limiting priority:

Base Utilities

Plant assigned to:
Type:

Description:
Demand limiting priority:

Schedule:
Hourly demand:

Miscellaneous accessories

Plant assigned to:
Equipment tag:

Type:
Description:

Schedule:
Energy:

ENTERED VALUES
PLANTS
By Honeywell Inc

Cooling Plant: Cooling plant - 001

Sizing method: Peak
Heat rejection type: None
Secondary distribution pump: Var vol chill water pump
Secondary pump consumption: 10 hp
Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Off (0%)

Geothermal Loop

TLoop Ent Bldg:	None	Flow scheme:	Fully mixed
TLoop schedule:	None	Loop fluid glycol:	0%
Flow rate:	100.00% of condenser flow rate	Heat exchanger approach:	0°F
Loop pump	None		
Pump F.L. rate:	0.00ft water		

Equipment tag: Air-cooled chiller - 001

Cooling Type: Default air-cooled chiller

Cooling plant - 001

Operating Mode	Capacity	Energy Rate	Pumps	Type	Full Load Consumption
Cooling:	80.0 tons	1.4000 kW/ton	Chilled water:	Cnst vol chill water pump	10.00 hp
Heat recovery:			Condenser water:	None	
Tank charging:			Heat recovery or aux cond:	None	
Tank charging & heat recovery:			Free cooling:	None	

Heat Rejection and Thermal Storage

Heat rejection type: MZ packaged rooftop cond fan
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Equipment Options

Sequencing type: Par. Decoupled
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 339999995214436

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Equipment tag: Air-cooled chiller - 002

Cooling Type: Default air-cooled chiller

Cooling plant - 001

Operating Mode	Capacity	Energy Rate	Pumps	Type	Full Load Consumption
Cooling:	60.0 tons	1.3000 kW/ton	Chilled water:	Cnst vol chill water pump	10.00 hp
Heat recovery:			Condenser water:	None	
Tank charging:			Heat recovery or aux cond:	None	
Tank charging & heat recovery:			Free cooling:	None	

Heat Rejection and Thermal Storage

Heat rejection type: MZ packaged rooftop cond fan
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Equipment Options

Sequencing type: Par. Decoupled
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 339999995214436

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Equipment tag: Air-cooled unitary - 003

Cooling Type: Default air-cooled unitary

Cooling plant - 001

Operating Mode	Capacity	Energy Rate	Pumps	Type	Full Load Consumption
Cooling:	3.0 tons	1.3800 kW/ton	Chilled water:	None	
Heat recovery:			Condenser water:	None	
Tank charging:			Heat recovery or aux cond:	None	
Tank charging & heat recovery:			Free cooling:	None	

Heat Rejection and Thermal Storage

Equipment Options

ENTERED VALUES
PLANTS
By Honeywell Inc

Heat rejection type: Condenser fan for Heat Pump
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 33999999521443€

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Equipment tag: Air-cooled unitary - 004 **Cooling Type: Default air-cooled unitary** **Cooling plant - 001**

Operating Mode	Capacity	Energy Rate
Cooling:	3.0 tons	1.3800 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type	Full Load Consumption
Chilled water:	None	
Condenser water:	None	
Heat recovery or aux cond:	None	
Free cooling:	None	

Heat Rejection and Thermal Storage

Heat rejection type: Condenser fan for Heat Pump
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 33999999521443€

Equipment Options

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Heating Plant: Heating plant - 002

Sizing method: Peak
Cogeneration type: None
Secondary distribution pump: None
Thermal storage type: None
Thermal storage capacity: 0 ton-hr

Equipment tag: Electric Resistance - 001 **Heating Type: Default electric resistance** **Heating plant - 002**

Heating capacity:
Energy rate: 100.00 % Effic.

Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Storage

Hot water pump type: None
Hot water pump cons: 0.00 kW

Equipment schedule: Available (100%)
Demand limiting priority:

Base Utilities

Plant assigned to:
Type:

Description:
Demand limiting priority:

Schedule:
Hourly demand:

Miscellaneous accessories

Plant assigned to:
Equipment tag:

Type:
Description:

Schedule:
Energy:

ENTERED VALUES

ROOM ASSIGNMENTS

By Honeywell Inc

ASSIGNED ROOMS

Description
AHU 1 First FL
AHU 1 First FL
AHU 1 First FL
AHU 1 First FL
W1-R1 N
W1-R1 N
W1-R1 N
W1-R1 N
W1-R2 E
W1-R2 E
W1-R2 E
W1-R2 E
W1-R3 S
W1-R3 S
W1-R3 S
W1-R3 S
W1-R4 W
W1-R4 W
W1-R4 W
W1-R4 W
W1-R5 Int
W1-R5 Int
W1-R5 Int
W1-R5 Int
AHU Second FL
AHU Second FL
AHU Second FL
AHU Second FL
Wing 5 Fl-2 int
Wing 5 Fl-2 int
Wing 5 Fl-2 int
Wing 5 Fl-2 int
Wing R1 Fl-2
Wing R1 Fl-2
Wing R1 Fl-2
Wing R1 Fl-2
Wing R2 FL-2
Wing R2 FL-2
Wing R2 FL-2
Wing R2 FL-2
Wing R3 Fl-2
Wing R3 Fl-2
Wing R3 Fl-2
Wing R3 Fl-2
Wing R4 FL-2
Wing R4 FL-2
Wing R4 FL-2
Wing R4 FL-2
AHU Third FL
AHU Third FL
AHU Third FL
AHU Third FL
Wing 5 Fl-3 Int
Wing 5 Fl-3 Int
Wing 5 Fl-3 Int
Wing 5 Fl-3 Int
Wing R1 FL-3
Wing R1 FL-3
Wing R1 FL-3
Wing R1 FL-3
Wing R2 Fl-3
Wing R2 Fl-3
Wing R2 Fl-3
Wing R2 Fl-3
Wing R3 FL-3
Wing R3 FL-3
Wing R3 FL-3
Wing R3 FL-3
Wing R4 FL-3

ENTERED VALUES

ROOM ASSIGNMENTS

By Honeywell Inc

Wing R4 FL-3
Wing R4 FL-3
Wing R4 FL-3

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: W1-R1 N | **Zone Description: No Zone** | **System Description: AHU 1 First FL**

GENERAL INFORMATION

Floor Area: 1,367 ft² | Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.3 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
N Wall	1,761 ft²	0	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: W1-R2 E | **Zone Description: No Zone** | **System Description: AHU 1 First FL**

GENERAL INFORMATION

Floor Area: 900 ft² | Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.3 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
E Wall	1,200 ft²	90	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W1-R3 S

Zone Description: No Zone

System Description: AHU 1 First FL

GENERAL INFORMATION

Floor Area: 1,367 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.3 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
S Wall	1,761 ft²	180	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: W1-R4 W

Zone Description: No Zone

System Description: AHU 1 First FL

GENERAL INFORMATION

Floor Area: 900 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.3 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
W Wall	1,200 ft²	270	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: W1-R5 Int | **Zone Description: No Zone** | **System Description: AHU 1 First FL**

GENERAL INFORMATION

Floor Area: 10,138 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.3 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: Wing 5 Fl-2 int | **Zone Description: No Zone** | **System Description: AHU Second FL**

GENERAL INFORMATION

Floor Area: 10,138 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.3 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: Wing R1 Fl-2 | **Zone Description: No Zone** | **System Description: AHU Second FL**

GENERAL INFORMATION

Floor Area: 1,367 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.3 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
N Wall	1,761 ft²	0	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: Wing R2 FL-2 | **Zone Description: No Zone** | **System Description: AHU Second FL**

GENERAL INFORMATION

Floor Area: 900 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.3 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
E Wall	1,200 ft²	90	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: Wing R3 Fl-2 | **Zone Description: No Zone** | **System Description: AHU Second FL**

GENERAL INFORMATION

Floor Area: 1,367 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.3 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
S Wall	1,761 ft²	180	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: Wing R4 FL-2 | **Zone Description: No Zone** | **System Description: AHU Second FL**

GENERAL INFORMATION

Floor Area: 900 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.3 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
W Wall	1,200 ft²	270	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: Wing 5 FI-3 Int | **Zone Description: No Zone** | **System Description: AHU Third FL**

GENERAL INFORMATION

Floor Area: 10,138 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.3 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	10,138 ft²	0	90	4" LW Conc	0.2135	0.90		0			Overhang - None	None					
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: Wing R1 FL-3 | **Zone Description: No Zone** | **System Description: AHU Third FL**

GENERAL INFORMATION

Floor Area: 1,367 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.3 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	1,367 ft²	0	90	4" LW Conc	0.2135	0.90		0			Overhang - None	None					
N Wall	1,761 ft²	0	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: Wing R2 Fl-3 | **Zone Description: No Zone** | **System Description: AHU Third FL**

GENERAL INFORMATION

Floor Area:	900 ft²	Flr-Flr Height:	12.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	None		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	General Office Space
# of People:	143 sq ft/person
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	Available (100%)
Workstation:	1.0 workstation/person

LIGHTS

Lighting Type:	Recessed fluorescent, not vented, 80% load to space
Fixture Type:	RECFL-NV
% Load to RA:	20 %
Lighting Schedule:	Available (100%)
Lighting Amount:	1.3 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	900 ft²	0	90	4" LW Conc	0.2135	0.90		0			Overhang - None	None					
E Wall	1,200 ft²	90	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: Wing R3 FL-3 | **Zone Description: No Zone** | **System Description: AHU Third FL**

GENERAL INFORMATION

Floor Area: 1,367 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.3 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	1,367 ft²	0	90	4" LW Conc	0.2135	0.90		0			Overhang - None	None					
S Wall	1,761 ft²	180	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: Wing R4 FL-3 **Zone Description: No Zone** **System Description: AHU Third FL**

GENERAL INFORMATION

Floor Area: 900 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.3 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	900 ft²	0	90	4" LW Conc	0.2135	0.90		0			Overhang - None	None					
W Wall	1,200 ft²	270	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W1-R1 N | **Zone Description: No Zone** | **System Description: AHU 1 First FL**

GENERAL INFORMATION

Floor Area: 1,367 ft² | Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
N Wall	1,761 ft²	0	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: W1-R2 E | **Zone Description: No Zone** | **System Description: AHU 1 First FL**

GENERAL INFORMATION

Floor Area: 900 ft² | Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
E Wall	1,200 ft²	90	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W1-R3 S | **Zone Description: No Zone** | **System Description: AHU 1 First FL**

GENERAL INFORMATION

Floor Area: 1,367 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
S Wall	1,761 ft²	180	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4*	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: W1-R4 W | **Zone Description: No Zone** | **System Description: AHU 1 First FL**

GENERAL INFORMATION

Floor Area: 900 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
W Wall	1,200 ft²	270	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4*	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W1-R5 Int | **Zone Description: No Zone** | **System Description: AHU 1 First FL**

GENERAL INFORMATION

Floor Area:	10,138 ft²	Flr-Flr Height:	12.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	None		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	General Office Space
# of People:	143 sq ft/person
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	Available (100%)
Workstation:	1.0 workstation/person

LIGHTS

Lighting Type:	Recessed fluorescent, not vented, 80% load to space
Fixture Type:	RECFL-NV
% Load to RA:	20 %
Lighting Schedule:	Available (100%)
Lighting Amount:	1.1 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: Wing 5 Fl-2 int | **Zone Description: No Zone** | **System Description: AHU Second Fl**

GENERAL INFORMATION

Floor Area:	10,138 ft²	Flr-Flr Height:	12.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	None		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	General Office Space
# of People:	143 sq ft/person
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	Available (100%)
Workstation:	1.0 workstation/person

LIGHTS

Lighting Type:	Recessed fluorescent, not vented, 80% load to space
Fixture Type:	RECFL-NV
% Load to RA:	20 %
Lighting Schedule:	Available (100%)
Lighting Amount:	1.1 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: Wing R1 Fl-2 | **Zone Description: No Zone** | **System Description: AHU Second FL**

GENERAL INFORMATION

Floor Area:	1,367 ft²	Flr-Flr Height:	12.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	None		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	General Office Space
# of People:	143 sq ft/person
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	Available (100%)
Workstation:	1.0 workstation/person

LIGHTS

Lighting Type:	Recessed fluorescent, not vented, 80% load to space
Fixture Type:	RECFL-NV
% Load to RA:	20 %
Lighting Schedule:	Available (100%)
Lighting Amount:	1.1 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
N Wall	1,761 ft²	0	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: Wing R2 FL-2 | **Zone Description: No Zone** | **System Description: AHU Second FL**

GENERAL INFORMATION

Floor Area:	900 ft²	Flr-Flr Height:	12.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	None		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	General Office Space
# of People:	143 sq ft/person
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	Available (100%)
Workstation:	1.0 workstation/person

LIGHTS

Lighting Type:	Recessed fluorescent, not vented, 80% load to space
Fixture Type:	RECFL-NV
% Load to RA:	20 %
Lighting Schedule:	Available (100%)
Lighting Amount:	1.1 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
E Wall	1,200 ft²	90	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: Wing R3 Fl-2 | **Zone Description: No Zone** | **System Description: AHU Second FL**

GENERAL INFORMATION

Floor Area:	1,367 ft²	Flr-Flr Height:	12.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	None		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	General Office Space
# of People:	143 sq ft/person
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	Available (100%)
Workstation:	1.0 workstation/person

LIGHTS

Lighting Type:	Recessed fluorescent, not vented, 80% load to space
Fixture Type:	RECFL-NV
% Load to RA:	20 %
Lighting Schedule:	Available (100%)
Lighting Amount:	1.1 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
S Wall	1,761 ft²	180	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: Wing R4 FL-2 | **Zone Description: No Zone** | **System Description: AHU Second FL**

GENERAL INFORMATION

Floor Area:	900 ft²	Flr-Flr Height:	12.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	None		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	General Office Space
# of People:	143 sq ft/person
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	Available (100%)
Workstation:	1.0 workstation/person

LIGHTS

Lighting Type:	Recessed fluorescent, not vented, 80% load to space
Fixture Type:	RECFL-NV
% Load to RA:	20 %
Lighting Schedule:	Available (100%)
Lighting Amount:	1.1 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
W Wall	1,200 ft²	270	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: Wing 5 Fl-3 Int | **Zone Description: No Zone** | **System Description: AHU Third FL**

GENERAL INFORMATION

Floor Area: 10,138 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	10,138 ft²	0	90	4" LW Conc	0.2135	0.90		0			Overhang - None	None					
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: Wing R1 FL-3 | **Zone Description: No Zone** | **System Description: AHU Third FL**

GENERAL INFORMATION

Floor Area: 1,367 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	1,367 ft²	0	90	4" LW Conc	0.2135	0.90		0			Overhang - None	None					
N Wall	1,761 ft²	0	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: Wing R2 Fl-3 | **Zone Description: No Zone** | **System Description: AHU Third FL**

GENERAL INFORMATION

Floor Area: 900 ft²
Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft
Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room
Floor Multiplier: 1
Humidistat Location: Room
Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	900 ft²	0	90	4" LW Conc	0.2135	0.90		0			Overhang - None	None					
E Wall	1,200 ft²	90	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: Wing R3 FL-3 | **Zone Description: No Zone** | **System Description: AHU Third FL**

GENERAL INFORMATION

Floor Area:	1,367 ft²	Flr-Flr Height:	12.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	None		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	General Office Space
# of People:	143 sq ft/person
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	Available (100%)
Workstation:	1.0 workstation/person

LIGHTS

Lighting Type:	Recessed fluorescent, not vented, 80% load to space
Fixture Type:	RECFL-NV
% Load to RA:	20 %
Lighting Schedule:	Available (100%)
Lighting Amount:	1.1 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	1,367 ft²	0	90	4" LW Conc	0.2135	0.90		0			Overhang - None	None					
S Wall	1,761 ft²	180	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: Wing R4 FL-3 | **Zone Description: No Zone** | **System Description: AHU Third FL**

GENERAL INFORMATION

Floor Area:	900 ft²	Flr-Flr Height:	12.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	None		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	General Office Space
# of People:	143 sq ft/person
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	Available (100%)
Workstation:	1.0 workstation/person

LIGHTS

Lighting Type:	Recessed fluorescent, not vented, 80% load to space
Fixture Type:	RECFL-NV
% Load to RA:	20 %
Lighting Schedule:	Available (100%)
Lighting Amount:	1.1 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Glass Area ft²	Glass Shade Coef	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	900 ft²	0	90	4" LW Conc	0.2135	0.90											
W Wall	1,200 ft²	270	0	Frame Wall, No Ins	0.4376	0.90		0			Overhang - None	None					
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: W1-R1 N | **Zone Description: No Zone** | **System Description: AHU 1 First FL**

GENERAL INFORMATION

Floor Area: 1,367 ft² | Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent: 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
N Wall	1,761 ft²	0	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: W1-R2 E | **Zone Description: No Zone** | **System Description: AHU 1 First FL**

GENERAL INFORMATION

Floor Area: 900 ft² | Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent: 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
E Wall	1,200 ft²	90	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: W1-R3 S | **Zone Description: No Zone** | **System Description: AHU 1 First FL**

GENERAL INFORMATION

Floor Area: 1,367 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
S Wall	1,761 ft²	180	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: W1-R4 W | **Zone Description: No Zone** | **System Description: AHU 1 First FL**

GENERAL INFORMATION

Floor Area: 900 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
W Wall	1,200 ft²	270	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W1-R5 Int

Zone Description: No Zone

System Description: AHU 1 First FL

GENERAL INFORMATION

Floor Area:	10,138 ft²	Flr-Flr Height:	12.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	None		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	General Office Space
# of People:	143 sq ft/person
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	Available (100%)
Workstation:	1.0 workstation/person

LIGHTS

Lighting Type:	Recessed fluorescent, not vented, 80% load to space
Fixture Type:	RECFL-NV
% Load to RA:	20 %
Lighting Schedule:	Available (100%)
Lighting Amount:	1.1 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: Wing 5 Fl-2 int

Zone Description: No Zone

System Description: AHU Second FL

GENERAL INFORMATION

Floor Area:	10,138 ft²	Flr-Flr Height:	12.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	None		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	General Office Space
# of People:	143 sq ft/person
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	Available (100%)
Workstation:	1.0 workstation/person

LIGHTS

Lighting Type:	Recessed fluorescent, not vented, 80% load to space
Fixture Type:	RECFL-NV
% Load to RA:	20 %
Lighting Schedule:	Available (100%)
Lighting Amount:	1.1 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: Wing R1 Fl-2 | **Zone Description: No Zone** | **System Description: AHU Second FL**

GENERAL INFORMATION

Floor Area: 1,367 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
N Wall	1,761 ft²	0	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: Wing R2 FL-2 | **Zone Description: No Zone** | **System Description: AHU Second FL**

GENERAL INFORMATION

Floor Area: 900 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
E Wall	1,200 ft²	90	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: Wing R3 Fl-2 | **Zone Description: No Zone** | **System Description: AHU Second FL**

GENERAL INFORMATION

Floor Area: 1,367 ft² | Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched.	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
S Wall	1,761 ft²	180	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: Wing R4 FL-2 | **Zone Description: No Zone** | **System Description: AHU Second FL**

GENERAL INFORMATION

Floor Area: 900 ft² | Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
W Wall	1,200 ft²	270	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: Wing 5 Fl-3 Int | **Zone Description: No Zone** | **System Description: AHU Third FL**

GENERAL INFORMATION

Floor Area: 10,138 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Glass Area ft²	Glass Shade Coef	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	10,138 ft²	0	90	4" LW Conc	0.2135	0.90		0			Overhang - None	None					
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: Wing R1 FL-3 | **Zone Description: No Zone** | **System Description: AHU Third FL**

GENERAL INFORMATION

Floor Area: 1,367 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Glass Area ft²	Glass Shade Coef	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	1,367 ft²	0	90	4" LW Conc	0.2135	0.90		0			Overhang - None	None					
N Wall	1,761 ft²	0	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: Wing R2 Fl-3 | **Zone Description: No Zone** | **System Description: AHU Third FL**

GENERAL INFORMATION

Floor Area:	900 ft²	Flr-Flr Height:	12.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	None		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	General Office Space
# of People:	143 sq ft/person
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	Available (100%)
Workstation:	1.0 workstation/person

LIGHTS

Lighting Type:	Recessed fluorescent, not vented, 80% load to space
Fixture Type:	RECFL-NV
% Load to RA:	20 %
Lighting Schedule:	Available (100%)
Lighting Amount:	1.1 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	900 ft²	0	90	4" LW Conc	0.2135	0.90											
E Wall	1,200 ft²	90	0	Frame Wall, No Ins	0.4376	0.90		0			Overhang - None	None					
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: Wing R3 FL-3 | **Zone Description: No Zone** | **System Description: AHU Third FL**

GENERAL INFORMATION

Floor Area:	1,367 ft²	Flr-Flr Height:	12.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	None		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	General Office Space
# of People:	143 sq ft/person
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	Available (100%)
Workstation:	1.0 workstation/person

LIGHTS

Lighting Type:	Recessed fluorescent, not vented, 80% load to space
Fixture Type:	RECFL-NV
% Load to RA:	20 %
Lighting Schedule:	Available (100%)
Lighting Amount:	1.1 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Glass Area ft²	Glass Shade Coef	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	1,367 ft²	0	90	4" LW Conc	0.2135	0.90		0			Overhang - None	None					
S Wall	1,761 ft²	180	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: Wing R4 FL-3

Zone Description: No Zone

System Description: AHU Third FL

GENERAL INFORMATION

Floor Area: 900 ft²
Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft
Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room
Floor Multiplier: 1
Humidistat Location: Room
Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	900 ft²	0	90	4" LW Conc	0.2135	0.90											
W Wall	1,200 ft²	270	0	Frame Wall, No Ins	0.4376	0.90		0			Overhang - None	None					
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: W1-R1 N | **Zone Description: No Zone** | **System Description: AHU 1 First FL**

GENERAL INFORMATION

Floor Area: 1,367 ft² | Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
N Wall	1,761 ft²	0	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: W1-R2 E | **Zone Description: No Zone** | **System Description: AHU 1 First FL**

GENERAL INFORMATION

Floor Area: 900 ft² | Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
E Wall	1,200 ft²	90	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W1-R3 S | **Zone Description: No Zone** | **System Description: AHU 1 First FL**

GENERAL INFORMATION

Floor Area: 1,367 ft² | Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
S Wall	1,761 ft²	180	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: W1-R4 W | **Zone Description: No Zone** | **System Description: AHU 1 First FL**

GENERAL INFORMATION

Floor Area: 900 ft² | Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
W Wall	1,200 ft²	270	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W1-R5 Int | **Zone Description: No Zone** | **System Description: AHU 1 First FL**

GENERAL INFORMATION

Floor Area:	10,138 ft²	Flr-Flr Height:	12.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	None		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	General Office Space
# of People:	143 sq ft/person
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	Available (100%)
Workstation:	1.0 workstation/person

LIGHTS

Lighting Type:	Recessed fluorescent, not vented, 80% load to space
Fixture Type:	RECFL-NV
% Load to RA:	20 %
Lighting Schedule:	Available (100%)
Lighting Amount:	1.1 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: Wing 5 Fl-2 int | **Zone Description: No Zone** | **System Description: AHU Second FL**

GENERAL INFORMATION

Floor Area:	10,138 ft²	Flr-Flr Height:	12.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	None		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	General Office Space
# of People:	143 sq ft/person
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	Available (100%)
Workstation:	1.0 workstation/person

LIGHTS

Lighting Type:	Recessed fluorescent, not vented, 80% load to space
Fixture Type:	RECFL-NV
% Load to RA:	20 %
Lighting Schedule:	Available (100%)
Lighting Amount:	1.1 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: Wing R1 Fl-2

Zone Description: No Zone

System Description: AHU Second FL

GENERAL INFORMATION

Floor Area: 1,367 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
N Wall	1,761 ft²	0	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: Wing R2 FL-2

Zone Description: No Zone

System Description: AHU Second FL

GENERAL INFORMATION

Floor Area: 900 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
E Wall	1,200 ft²	90	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: Wing R3 Fl-2 | **Zone Description: No Zone** | **System Description: AHU Second FL**

GENERAL INFORMATION

Floor Area: 1,367 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
S Wall	1,761 ft²	180	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: Wing R4 FL-2 | **Zone Description: No Zone** | **System Description: AHU Second FL**

GENERAL INFORMATION

Floor Area: 900 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
W Wall	1,200 ft²	270	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: Wing 5 Fl-3 Int | **Zone Description: No Zone** | **System Description: AHU Third FL**

GENERAL INFORMATION

Floor Area: 10,138 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	10,138 ft²	0	90	4" LW Conc	0.2135	0.90											
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity	0			Overhang - None	None		100	100	0	60.00

Room Description: Wing R1 FL-3 | **Zone Description: No Zone** | **System Description: AHU Third FL**

GENERAL INFORMATION

Floor Area: 1,367 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	1,367 ft²	0	90	4" LW Conc	0.2135	0.90											
								0			Overhang - None	None					
N Wall	1,761 ft²	0	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: Wing R2 Fl-3 | **Zone Description: No Zone** | **System Description: AHU Third FL**

GENERAL INFORMATION

Floor Area: 900 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	900 ft²	0	90	4" LW Conc	0.2135	0.90											
E Wall	1,200 ft²	90	0	Frame Wall, No Ins	0.4376	0.90		0			Overhang - None	None					
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: Wing R3 FL-3 | **Zone Description: No Zone** | **System Description: AHU Third FL**

GENERAL INFORMATION

Floor Area:	1,367 ft²	Flr-Flr Height:	12.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	None		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	General Office Space
# of People:	143 sq ft/person
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	Available (100%)
Workstation:	1.0 workstation/person

LIGHTS

Lighting Type:	Recessed fluorescent, not vented, 80% load to space
Fixture Type:	RECFL-NV
% Load to RA:	20 %
Lighting Schedule:	Available (100%)
Lighting Amount:	1.1 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	1,367 ft²	0	90	4" LW Conc	0.2135	0.90		0			Overhang - None	None					
S Wall	1,761 ft²	180	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: Wing R4 FL-3 | **Zone Description: No Zone** | **System Description: AHU Third FL**

GENERAL INFORMATION

Floor Area:	900 ft²	Flr-Flr Height:	12.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	None		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	General Office Space
# of People:	143 sq ft/person
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	Available (100%)
Workstation:	1.0 workstation/person

LIGHTS

Lighting Type:	Recessed fluorescent, not vented, 80% load to space
Fixture Type:	RECFL-NV
% Load to RA:	20 %
Lighting Schedule:	Available (100%)
Lighting Amount:	1.1 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	900 ft²	0	90	4" LW Conc	0.2135	0.90		0			Overhang - None	None					
W Wall	1,200 ft²	270	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

SYSTEM ENTERED VALUES

By Honeywell Inc

AHU Second FL - VAV w/Baseboard Skin Heating

Design Air Conditions

	Max	Min
Cooling supply:		
Leaving cooling coil:		
Heating supply:		

Supply duct temperature diff: 0.0 °F
Reheat Temperature diff: 0.0 °F

Design humidity ratio diff:
Min room relative humidity:

Advanced Options

Cooling coil sizing method: Block
Cooling coil location: System
Block cooling airflow:
Ventilation deck location: Return/Outdoor Deck
Supply duct location: Return Air
Return air path: PLENUM

Supply fan motor location: Supply
Return fan motor location: Return
Supply fan cofiguration: Draw Thru
Supply fan sizing: Block
Fan mechanical efficiency : 75%
Apply Std62 People Avg: No
Std62 Max Vent (Z) Ratio:

Night purge schedule: Off (0%)
Optimum start schedule: Off (0%)
Optimum stop schedule: Off (0%)

CO2-based DCV: None

System ventilation flag: Sum Room OA Reqs

Reset per worst case room schedule: Off (0%)
Max reset:
Use system default outside air reset: Yes

Supply air path / duct location: Return Air
Space convective gains to occupied layer:
Underfloor plenum height: 0.0 ft
Conductive resistance of raised floor: 0.8 hr·ft²·°F/Btu
Upstream nominal leakage fraction: 0 %
Downstream constant leakage fraction: 0 %
Aux cooling coil losses to plenum: 0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Follow Outside Air Reset Schedule	Wall Convector
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)
Aux cooling:		Available (100%)
Main heating:	100.0 % of Design Capacity	Available (100%)
Aux heating:	100 % of Design Capacity	Available (100%)
Preheat:	100.0% of Design Capacity	Available (100%)
Reheat:	100.0 % of Design Capacity	Available (100%)
Humidification:	100.0 % of Design Capacity	Available (100%)

Diversity
People 100%
Lights 100%
Misc loads 100%

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.0 in. wg	20.00000 Nominal Hp	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	FC Centrifugal const vol	4.0 in. wg	0.00032 kW/Cfm-in wg	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

AHU 1 First FL - VAV w/Baseboard Skin Heating

Design Air Conditions

	Max	Min
Cooling supply:		
Leaving cooling coil:		
Heating supply:		

Supply duct temperature diff: 0.0 °F
Reheat Temperature diff: 0.0 °F
Design humidity ratio diff:
Min room relative humidity:

Advanced Options

Cooling coil sizing method: Block
Cooling coil location: System
Block cooling airflow:
Ventilation deck location: Return/Outdoor Deck
Supply duct location: Return Air
Return air path: PLENUM

Supply fan motor location: Supply
Return fan motor location: Return
Supply fan cofiguration: Draw Thru
Supply fan sizing: Block
Fan mechanical efficiency : 75%
Apply Std62 People Avg: No
Std62 Max Vent (Z) Ratio:

Night purge schedule: Off (0%)
Optimum start schedule: Off (0%)
Optimum stop schedule: Off (0%)

CO2-based DCV: None

System ventilation flag: Sum Room OA Reqs

Reset per worst case room schedule: Off (0%)
Max reset:
Use system default outside air reset: Yes

Supply air path / duct location: Return Air
Space convective gains to occupied layer:
Underfloor plenum height: 0.0 ft
Conductive resistance of raised floor: 0.8 hr·ft²·°F/Btu
Upstream nominal leakage fraction: 0 %
Downstream constant leakage fraction: 0 %
Aux cooling coil losses to plenum: 0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Follow Outside Air Reset Schedule	Wall Convector
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)
Aux cooling:		Available (100%)
Main heating:	100.0 % of Design Capacity	Available (100%)
Aux heating:	100 % of Design Capacity	Available (100%)
Preheat:	100.0% of Design Capacity	Available (100%)
Reheat:	100.0 % of Design Capacity	Available (100%)
Humidification:	100.0 % of Design Capacity	Available (100%)

Diversity
People 100%
Lights 100%
Misc loads 100%

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.0 in. wg	25.00000 Nominal Hp	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

AHU Third FL - Double Deck Multizone

Design Air Conditions

	Max	Min
Cooling supply:		
Leaving cooling coil:		
Heating supply:		

Supply duct temperature diff: 0.0 °F
Reheat Temperature diff: 0.0 °F
Design humidity ratio diff:
Min room relative humidity:

Advanced Options

Cooling coil sizing method: Block
Cooling coil location: System
Block cooling airflow:
Ventilation deck location: Return/Outdoor Deck
Supply duct location: Return Air
Return air path: PLENUM

Supply fan motor location: Supply
Return fan motor location: Return
Supply fan cofiguration: Draw Thru
Supply fan sizing: Peak
Fan mechanical efficiency : 75%
Apply Std62 People Avg: No
Std62 Max Vent (Z) Ratio:

Night purge schedule: Off (0%)
Optimum start schedule: Off (0%)
Optimum stop schedule: Off (0%)

CO2-based DCV: None

System ventilation flag: Sum Room OA Reqs

Reset per worst case room schedule: Off (0%)
Max reset:
Use system default outside air reset: Yes

Supply air path / duct location: Return Air
Space convective gains to occupied layer:
Underfloor plenum height: 0.0 ft
Conductive resistance of raised floor: 0.8 hr·ft²·°F/Btu
Upstream nominal leakage fraction: 0 %
Downstream constant leakage fraction: 0 %
Aux cooling coil losses to plenum: 0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Activate After Primary System	None
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)
Aux cooling:		Available (100%)
Main heating:	100.0 % of Design Capacity	Available (100%)
Aux heating:		Available (100%)
Preheat:	100.0% of Design Capacity	Available (100%)
Reheat:	100.0 % of Design Capacity	Available (100%)
Humidification:	100.0 % of Design Capacity	Available (100%)

Diversity
People 100%
Lights 100%
Misc loads 100%

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal const vol	2.0 in. wg	20.00000 Nominal Hp	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

AHU Second FL - VAV w/Baseboard Skin Heating

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Block		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)		Supply air path / duct location:	Return Air
Max reset:			Space convective gains to occupied layer:	
Use system default outside air reset:	Yes		Underfloor plenum height:	0.0 ft
			Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
			Upstream nominal leakage fraction:	0 %
			Downstream constant leakage fraction:	0 %
			Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Follow Outside Air Reset Schedule	Wall Convector
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:	100 % of Design Capacity	Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.0 in. wg	20.00000 Nominal Hp	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	FC Centrifugal const vol	4.0 in. wg	0.00032 kW/Cfm-in wg	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

AHU 1 First FL - VAV w/Baseboard Skin Heating

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Block		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)		Supply air path / duct location:	Return Air
Max reset:			Space convective gains to occupied layer:	
Use system default outside air reset:	Yes		Underfloor plenum height:	0.0 ft
			Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
			Upstream nominal leakage fraction:	0 %
			Downstream constant leakage fraction:	0 %
			Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Follow Outside Air Reset Schedule	Wall Convector
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:	100 % of Design Capacity	Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.0 in. wg	25.00000 Nominal Hp	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

AHU Third FL - Double Deck Multizone

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Peak		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)		Supply air path / duct location:	Return Air
Max reset:			Space convective gains to occupied layer:	
Use system default outside air reset:	Yes		Underfloor plenum height:	0.0 ft
			Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
			Upstream nominal leakage fraction:	0 %
			Downstream constant leakage fraction:	0 %
			Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Activate After Primary System	None
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:		Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal const vol	2.0 in. wg	20.00000 Nominal Hp	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

AHU Second FL - VAV w/Baseboard Skin Heating

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Block		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)		Supply air path / duct location:	Return Air
Max reset:			Space convective gains to occupied layer:	
Use system default outside air reset:	Yes		Underfloor plenum height:	0.0 ft
			Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
			Upstream nominal leakage fraction:	0 %
			Downstream constant leakage fraction:	0 %
			Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Follow Outside Air Reset Schedule	Wall Convector
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:	100 % of Design Capacity	Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.0 in. wg	20.00000 Nominal Hp	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	FC Centrifugal const vol	4.0 in. wg	0.00032 kW/Cfm-in wg	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

AHU 1 First FL - VAV w/Baseboard Skin Heating

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Block		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)		Supply air path / duct location:	Return Air
Max reset:			Space convective gains to occupied layer:	
Use system default outside air reset:	Yes		Underfloor plenum height:	0.0 ft
			Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
			Upstream nominal leakage fraction:	0 %
			Downstream constant leakage fraction:	0 %
			Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Follow Outside Air Reset Schedule	Wall Convector
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:	100 % of Design Capacity	Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.0 in. wg	25.00000 Nominal Hp	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

AHU Third FL - Double Deck Multizone

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Peak		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)		Supply air path / duct location:	Return Air
Max reset:			Space convective gains to occupied layer:	
Use system default outside air reset:	Yes		Underfloor plenum height:	0.0 ft
			Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
			Upstream nominal leakage fraction:	0 %
			Downstream constant leakage fraction:	0 %
			Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Activate After Primary System	None
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting s	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:		Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal const vol	2.0 in. wg	20.00000 Nominal Hp	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

AHU Second FL - VAV w/Baseboard Skin Heating

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Block		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)		Supply air path / duct location:	Return Air
Max reset:			Space convective gains to occupied layer:	
Use system default outside air reset:	Yes		Underfloor plenum height:	0.0 ft
			Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
			Upstream nominal leakage fraction:	0 %
			Downstream constant leakage fraction:	0 %
			Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Follow Outside Air Reset Schedule	Wall Convector
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:	100 % of Design Capacity	Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.0 in. wg	20.00000 Nominal Hp	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	FC Centrifugal const vol	4.0 in. wg	0.00032 kW/Cfm-in wg	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

AHU 1 First FL - VAV w/Baseboard Skin Heating

Design Air Conditions

	Max	Min
Cooling supply:		
Leaving cooling coil:		
Heating supply:		

Supply duct temperature diff: 0.0 °F
Reheat Temperature diff: 0.0 °F
Design humidity ratio diff:
Min room relative humidity:

Advanced Options

Cooling coil sizing method: Block
Cooling coil location: System
Block cooling airflow:
Ventilation deck location: Return/Outdoor Deck
Supply duct location: Return Air
Return air path: PLENUM

Supply fan motor location: Supply
Return fan motor location: Return
Supply fan cofiguration: Draw Thru
Supply fan sizing: Block
Fan mechanical efficiency : 75%
Apply Std62 People Avg: No
Std62 Max Vent (Z) Ratio:

Night purge schedule: Off (0%)
Optimum start schedule: Off (0%)
Optimum stop schedule: Off (0%)

CO2-based DCV: None

System ventilation flag: Sum Room OA Reqs

Reset per worst case room schedule: Off (0%)
Max reset:
Use system default outside air reset: Yes

Supply air path / duct location: Return Air
Space convective gains to occupied layer:
Underfloor plenum height: 0.0 ft
Conductive resistance of raised floor: 0.8 hr·ft²·°F/Btu
Upstream nominal leakage fraction: 0 %
Downstream constant leakage fraction: 0 %
Aux cooling coil losses to plenum: 0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Follow Outside Air Reset Schedule	Wall Convector
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)
Aux cooling:		Available (100%)
Main heating:	100.0 % of Design Capacity	Available (100%)
Aux heating:	100 % of Design Capacity	Available (100%)
Preheat:	100.0% of Design Capacity	Available (100%)
Reheat:	100.0 % of Design Capacity	Available (100%)
Humidification:	100.0 % of Design Capacity	Available (100%)

Diversity
People 100%
Lights 100%
Misc loads 100%

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.0 in. wg	25.00000 Nominal Hp	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

AHU Third FL - VAV w/Forced Flow Skin Heating

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Block		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)		Supply air path / duct location:	Return Air
Max reset:			Space convective gains to occupied layer:	
Use system default outside air reset:	Yes		Underfloor plenum height:	0.0 ft
			Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
			Upstream nominal leakage fraction:	0 %
			Downstream constant leakage fraction:	0 %
			Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Follow Outside Air Reset Schedule	Fan Coil (Wall)
Auxiliary fan	Constant Volume	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:	100 % of Design Capacity	Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal const vol	2.0 in. wg	20.00000 Nominal Hp	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

ENTERED VALUES

Walls by Direction

By Honeywell Inc

Alternative 1

North (0 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R1 N	N Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4"	440.2	0.82	0.9500	Overhang - None	None
Wing R1 FI-2	N Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4"	440.2	0.82	0.9500	Overhang - None	None
Wing R1 FL-3	N Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4"	440.2	0.82	0.9500	Overhang - None	None
		5,281.9			**0.4376**			**1,320.5**	**0.82**	**0.9500**		

East (90 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R2 E	E Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4"	300.0	0.82	0.9500	Overhang - None	None
Wing R2 FL-2	E Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4"	300.0	0.82	0.9500	Overhang - None	None
Wing R2 FI-3	E Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4"	300.0	0.82	0.9500	Overhang - None	None
		3,600.0			**0.4376**			**900.0**	**0.82**	**0.9500**		

South (180 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R3 S	S Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4"	440.2	0.82	0.9500	Overhang - None	None
Wing R3 FI-2	S Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4"	440.2	0.82	0.9500	Overhang - None	None
Wing R3 FL-3	S Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4"	440.2	0.82	0.9500	Overhang - None	None
		5,281.9			**0.4376**			**1,320.5**	**0.82**	**0.9500**		

ENTERED VALUES

Walls by Direction

By Honeywell Inc

West (270 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R4 W	W Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
Wing R4 FL-2	W Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
Wing R4 FL-3	W Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
		3,600.0			**0.4376**			**900.0**	**0.82**	**0.9600**		
Total Area		**17,763.8**						**4,441.0**				

ENTERED VALUES

Walls by Direction

By Honeywell Inc

Alternative 2

North (0 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R1 N	N Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
Wing R1 FI-2	N Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
Wing R1 FL-3	N Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
		5,281.9			**0.4376**			**1,320.5**	**0.82**	**0.9500**		

East (90 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R2 E	E Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
Wing R2 FL-2	E Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
Wing R2 FI-3	E Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
		3,600.0			**0.4376**			**900.0**	**0.82**	**0.9500**		

South (180 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R3 S	S Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
Wing R3 FI-2	S Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
Wing R3 FL-3	S Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
		5,281.9			**0.4376**			**1,320.5**	**0.82**	**0.9500**		

ENTERED VALUES

Walls by Direction

By Honeywell Inc

West (270 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R4 W	W Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
Wing R4 FL-2	W Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
Wing R4 FL-3	W Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
		3,600.0			**0.4376**			**900.0**	**0.82**	**0.9500**		
Total Area		**17,763.8**						**4,441.0**				

ENTERED VALUES

Walls by Direction

By Honeywell Inc

Alternative 3

North (0 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R1 N	N Wall Opening - 1	1,760.6	0	Frame Wall, No Ins Window	0.4376	0.90	Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
Wing R1 Fl-2	N Wall Opening - 1	1,760.6	0	Frame Wall, No Ins Window	0.4376	0.90	Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
Wing R1 FL-3	N Wall Opening - 1	1,760.6	0	Frame Wall, No Ins Window	0.4376	0.90	Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
		5,281.9			**0.4376**			**1,320.5**	**0.82**	**0.9500**		

East (90 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R2 E	E Wall Opening - 1	1,200.0	0	Frame Wall, No Ins Window	0.4376	0.90	Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
Wing R2 FL-2	E Wall Opening - 1	1,200.0	0	Frame Wall, No Ins Window	0.4376	0.90	Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
Wing R2 Fl-3	E Wall Opening - 1	1,200.0	0	Frame Wall, No Ins Window	0.4376	0.90	Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
		3,600.0			**0.4376**			**900.0**	**0.82**	**0.9500**		

South (180 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R3 S	S Wall Opening - 1	1,760.6	0	Frame Wall, No Ins Window	0.4376	0.90	Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
Wing R3 Fl-2	S Wall Opening - 1	1,760.6	0	Frame Wall, No Ins Window	0.4376	0.90	Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
Wing R3 FL-3	S Wall Opening - 1	1,760.6	0	Frame Wall, No Ins Window	0.4376	0.90	Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
		5,281.9			**0.4376**			**1,320.5**	**0.82**	**0.9500**		

ENTERED VALUES

Walls by Direction

By Honeywell Inc

West (270 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R4 W	W Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
Wing R4 FL-2	W Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
Wing R4 FL-3	W Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
		3,600.0			**0.4376**			**900.0**	**0.82**	**0.9500**		
Total Area		**17,763.8**						**4,441.0**				

ENTERED VALUES

Walls by Direction

By Honeywell Inc

Alternative 4

North (0 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R1 N	N Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
Wing R1 Fl-2	N Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
Wing R1 FL-3	N Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
		5,281.9			**0.4376**			**1,320.5**	**0.82**	**0.9500**		

East (90 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R2 E	E Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
Wing R2 FL-2	E Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
Wing R2 Fl-3	E Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
		3,600.0			**0.4376**			**900.0**	**0.82**	**0.9500**		

South (180 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R3 S	S Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
Wing R3 Fl-2	S Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
Wing R3 FL-3	S Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
		5,281.9			**0.4376**			**1,320.5**	**0.82**	**0.9500**		

ENTERED VALUES

Walls by Direction

By Honeywell Inc

West (270 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R4 W	W Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
Wing R4 FL-2	W Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
Wing R4 FL-3	W Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
		3,600.0			**0.4376**			**900.0**	**0.82**	**0.9500**		
Total Area		**17,763.8**						**4,441.0**				

Entered Values

TRACE® 700 version 6.2.7

By Honeywell Inc

Project Name:
Dataset Name: D:\DOCUMENTS AND SETTINGS\E470859\MY DOCUMENTS\PROJECTS\PORT ST LUCIE FL\CONTRACT WORKING
Location:
Building Owner:
Program User:
Company:
Comments:

Cooling Design Period:	January thru December
Peak Hour Override:	0
Daylight Savings Period:	
Summer Period:	
Cooling Methodology:	TETD-TA1
Heating Methodology:	UATD
Infiltration Methodology:	Vary with wind speed
Outside Film Methodology:	Vary with wind speed
Terrain Methodology:	Flat terrain with some isolated objects
Room Circ Rate:	Medium
Wall Load To Plenum:	YES
Building Orientation:	0 degrees from north
Simulation Hours:	Reduced year
Calendar Code:	Standard (1978)
Energy Simulation Period:	January thru December

Location:	West Palm Beach, Florida	
Summer Design Dry Bulb:	92.30	°F
Summer Design Wet Bulb:	79.20	°F
Winter Design Dry Bulb:	45.00	°F
Summer Clearness Number:	0.90	
Winter Clearness Number:	0.95	
Summer Ground Reflectance:	0.20	
Winter Ground Reflectance:	0.20	
Carbon Dioxide Level:	400	ppm

Force VAV Min => Nominal Ventilation at Design:	No
Allow Energy Recovery/Transfer at Design:	No
Retest Design Peaks:	Yes
Calculate Building Block Loads:	No

ENTERED VALUES
PLANTS
By Honeywell Inc

Cooling Plant: Cooling plant - 001

Sizing method: Peak
Heat rejection type: None
Secondary distribution pump: Var vol chill water pump
Secondary pump consumption: 10 Ft Water
Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Off (0%)

Geothermal Loop

TLoop Ent Bldg: None
TLoop schedule: None
Flow rate: 100.00% of condenser flow rate
Loop pump None
Pump F.L. rate: 0.00ft water
Flow scheme: Fully mixed
Loop fluid glycol: 0%
Heat exchanger approach: 0°F

Equipment tag: Air-cooled chiller - 001

Cooling Type: Default air-cooled chiller

Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	80.0 tons	1.4000 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps Type

Chilled water: Cnst vol chill water pump
Condenser water: None
Heat recovery or aux cond: None
Free cooling: None

Full Load Consumption: 10.00 hp

Heat Rejection and Thermal Storage

Heat rejection type: MZ packaged rooftop cond fan
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Equipment Options

Sequencing type: Par. Decoupled
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 33999999521443€
Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No
Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Equipment tag: Air-cooled chiller - 002

Cooling Type: Default air-cooled chiller

Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	60.0 tons	1.3000 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps Type

Chilled water: Cnst vol chill water pump
Condenser water: None
Heat recovery or aux cond: None
Free cooling: None

Full Load Consumption: 10.00 hp

Heat Rejection and Thermal Storage

Heat rejection type: MZ packaged rooftop cond fan
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Equipment Options

Sequencing type: Par. Decoupled
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 33999999521443€
Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No
Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Equipment tag: Air-cooled unitary - 003

Cooling Type: Default air-cooled unitary

Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	3.0 tons	1.3800 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps Type

Chilled water: None
Condenser water: None
Heat recovery or aux cond: None
Free cooling: None

Full Load Consumption

Heat Rejection and Thermal Storage

Equipment Options

ENTERED VALUES
PLANTS
By Honeywell Inc

Heat rejection type: Condenser fan for Heat Pump
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 33999999521443€

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Equipment tag: Air-cooled unitary - 004 **Cooling Type: Default air-cooled unitary** **Cooling plant - 001**

Operating Mode	Capacity	Energy Rate
Cooling:	3.0 tons	1.3800 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type
Chilled water:	None
Condenser water:	None
Heat recovery or aux cond:	None
Free cooling:	None

Full Load Consumption

Heat Rejection and Thermal Storage

Heat rejection type: Condenser fan for Heat Pump
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 33999999521443€

Equipment Options

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Heating Plant: Heating plant - 002

Sizing method: Peak
Cogeneration type: None
Secondary distribution pump: None
Thermal storage type: None
Thermal storage capacity: 0 ton-hr

Equipment tag: Electric Resistance - 001 **Heating Type: Default electric resistance** **Heating plant - 002**

Heating capacity:
Energy rate: 100.00 % Effic.

Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Storage

Hot water pump type: None
Hot water pump cons: 0.00 kW

Equipment schedule: Available (100%)
Demand limiting priority:

Base Utilities

Plant assigned to:
Type:

Description:
Demand limiting priority:

Schedule:
Hourly demand:

Miscellaneous accessories

Plant assigned to:
Equipment tag:

Type:
Description:

Schedule:
Energy:

ENTERED VALUES
PLANTS
By Honeywell Inc

Cooling Plant: Cooling plant - 001

Sizing method: Peak
Heat rejection type: None
Secondary distribution pump: Var vol chill water pump
Secondary pump consumption: 10 Ft Water
Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Off (0%)

Geothermal Loop

TLoop Ent Bldg: None
TLoop schedule: None
Flow rate: 100.00% of condenser flow rate
Loop pump None
Pump F.L. rate: 0.00ft water
Flow scheme: Fully mixed
Loop fluid glycol: 0%
Heat exchanger approach: 0°F

Equipment tag: Air-cooled chiller - 001 — Cooling Type: Default air-cooled chiller — Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	80.0 tons	1.4000 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type	Full Load Consumption
Chilled water:	Cnst vol chill water pump	10.00 hp
Condenser water:	None	
Heat recovery or aux cond:	None	
Free cooling:	None	

Heat Rejection and Thermal Storage

Heat rejection type: MZ packaged rooftop cond fan
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Equipment Options

Sequencing type: Par. Decoupled
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 33999999521443€
Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No
Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Equipment tag: Air-cooled chiller - 002 — Cooling Type: Default air-cooled chiller — Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	60.0 tons	1.3000 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type	Full Load Consumption
Chilled water:	Cnst vol chill water pump	10.00 hp
Condenser water:	None	
Heat recovery or aux cond:	None	
Free cooling:	None	

Heat Rejection and Thermal Storage

Heat rejection type: MZ packaged rooftop cond fan
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Equipment Options

Sequencing type: Par. Decoupled
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 33999999521443€
Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No
Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Equipment tag: Air-cooled unitary - 003 — Cooling Type: Default air-cooled unitary — Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	3.0 tons	1.3800 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type	Full Load Consumption
Chilled water:	None	
Condenser water:	None	
Heat recovery or aux cond:	None	
Free cooling:	None	

Heat Rejection and Thermal Storage — Equipment Options

ENTERED VALUES
PLANTS
By Honeywell Inc

Heat rejection type: Condenser fan for Heat Pump
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 339999995214436

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Equipment tag: Air-cooled unitary - 004 — **Cooling Type: Default air-cooled unitary** — Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	3.0 tons	1.3800 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps Type
Chilled water: None
Condenser water: None
Heat recovery or aux cond: None
Free cooling: None

Full Load Consumption

Heat Rejection and Thermal Storage

Heat rejection type: Condenser fan for Heat Pump
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 339999995214436

Equipment Options

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Heating Plant: Heating plant - 002

Sizing method: Peak
Cogeneration type: None
Secondary distribution pump: None
Thermal storage type: None
Thermal storage capacity: 0 ton-hr

Equipment tag: Electric Resistance - 001 — **Heating Type: Default electric resistance** — Heating plant - 002

Heating capacity:
Energy rate: 100.00 % Effic.

Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Storage

Hot water pump type: None
Hot water pump cons: 0.00 kW

Equipment schedule: Available (100%)
Demand limiting priority:

Base Utilities

Plant assigned to:
Type:

Description:
Demand limiting priority:

Schedule:
Hourly demand:

Miscellaneous accessories

Plant assigned to:
Equipment tag:

Type:
Description:

Schedule:
Energy:

ENTERED VALUES
PLANTS
By Honeywell Inc

Cooling Plant: Cooling plant - 001

Sizing method: Peak
Heat rejection type: None
Secondary distribution pump: Var vol chill water pump
Secondary pump consumption: 10 Ft Water
Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Off (0%)

Geothermal Loop

TLoop Ent Bldg: None
TLoop schedule: None
Flow rate: 100.00% of condenser flow rate
Loop pump None
Pump F.L. rate: 0.00ft water
Flow scheme: Fully mixed
Loop fluid glycol: 0%
Heat exchanger approach: 0°F

Equipment tag: Air-cooled chiller - 001

Cooling Type: Default air-cooled chiller

Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	80.0 tons	1.4000 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type	Full Load Consumption
Chilled water:	Cnst vol chill water pump	10.00 hp
Condenser water:	None	
Heat recovery or aux cond:	None	
Free cooling:	None	

Heat Rejection and Thermal Storage

Heat rejection type: MZ packaged rooftop cond fan
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Sequencing type: Par. Decoupled
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F

Equipment Options

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water:	Return water	None	4°F
Condenser Water:	None	None	0°F

Equipment tag: Air-cooled chiller - 002

Cooling Type: Default air-cooled chiller

Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	60.0 tons	1.3000 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type	Full Load Consumption
Chilled water:	Cnst vol chill water pump	10.00 hp
Condenser water:	None	
Heat recovery or aux cond:	None	
Free cooling:	None	

Heat Rejection and Thermal Storage

Heat rejection type: MZ packaged rooftop cond fan
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Sequencing type: Par. Decoupled
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F

Equipment Options

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water:	Return water	None	4°F
Condenser Water:	None	None	0°F

Equipment tag: Air-cooled unitary - 003

Cooling Type: Default air-cooled unitary

Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	3.0 tons	1.3800 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type	Full Load Consumption
Chilled water:	None	
Condenser water:	None	
Heat recovery or aux cond:	None	
Free cooling:	None	

Heat Rejection and Thermal Storage

Equipment Options

ENTERED VALUES
PLANTS
By Honeywell Inc

Heat rejection type: Condenser fan for Heat Pump
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 33999999521443E

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Equipment tag: Air-cooled unitary - 004 **Cooling Type: Default air-cooled unitary** Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	3.0 tons	1.3800 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps Type
Chilled water: None
Condenser water: None
Heat recovery or aux cond: None
Free cooling: None

Full Load Consumption

Heat Rejection and Thermal Storage

Heat rejection type: Condenser fan for Heat Pump
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 33999999521443E

Equipment Options

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Heating Plant: Heating plant - 002

Sizing method: Peak
Cogeneration type: None
Secondary distribution pump: None
Thermal storage type: None
Thermal storage capacity: 0 ton-hr

Equipment tag: Electric Resistance - 001 **Heating Type: Default electric resistance** Heating plant - 002

Heating capacity:
Energy rate: 100.00 % Effic.

Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Storage

Hot water pump type: None
Hot water pump cons: 0.00 kW

Equipment schedule: Available (100%)
Demand limiting priority:

Base Utilities

Plant assigned to:
Type:

Description:
Demand limiting priority:

Schedule:
Hourly demand:

Miscellaneous accessories

Plant assigned to:
Equipment tag:

Type:
Description:

Schedule:
Energy:

ENTERED VALUES

ROOM ASSIGNMENTS

By Honeywell Inc

ASSIGNED ROOMS

Description
AHU 1 First FL
AHU 1 First FL
AHU 1 First FL
W1-R1 N
W1-R1 N
W1-R1 N
W1-R2 E
W1-R2 E
W1-R2 E
W1-R3 S
W1-R3 S
W1-R3 S
W1-R4 W
W1-R4 W
W1-R4 W
W1-R5 Int
W1-R5 Int
W1-R5 Int
AHU Second FL
AHU Second FL
AHU Second FL
Wing 5 Fl-2 int
Wing 5 Fl-2 int
Wing 5 Fl-2 int
Wing R1 Fl-2
Wing R1 Fl-2
Wing R1 Fl-2
Wing R2 FL-2
Wing R2 FL-2
Wing R2 FL-2
Wing R3 Fl-2
Wing R3 Fl-2
Wing R3 Fl-2
Wing R4 FL-2
Wing R4 FL-2
Wing R4 FL-2
AHU Third FL
AHU Third FL
AHU Third FL
Wing 5 Fl-3 Int
Wing 5 Fl-3 Int
Wing 5 Fl-3 Int
Wing R1 FL-3
Wing R1 FL-3
Wing R1 FL-3
Wing R2 Fl-3
Wing R2 Fl-3
Wing R2 Fl-3
Wing R3 FL-3
Wing R3 FL-3
Wing R3 FL-3
Wing R4 FL-3
Wing R4 FL-3
Wing R4 FL-3

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W1-R1 N

Zone Description: No Zone

System Description: AHU 1 First FL

GENERAL INFORMATION

Floor Area: 1,367 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
N Wall	1,761 ft²	0	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: W1-R2 E

Zone Description: No Zone

System Description: AHU 1 First FL

GENERAL INFORMATION

Floor Area: 900 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
E Wall	1,200 ft²	90	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: W1-R3 S | **Zone Description: No Zone** | **System Description: AHU 1 First FL**

GENERAL INFORMATION

Floor Area: 1,367 ft² | Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
S Wall	1,761 ft²	180	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: W1-R4 W | **Zone Description: No Zone** | **System Description: AHU 1 First FL**

GENERAL INFORMATION

Floor Area: 900 ft² | Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
W Wall	1,200 ft²	270	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W1-R5 Int

Zone Description: No Zone

System Description: AHU 1 First FL

GENERAL INFORMATION

Floor Area: 10,138 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: Wing 5 Fl-2 int

Zone Description: No Zone

System Description: AHU Second FL

GENERAL INFORMATION

Floor Area: 10,138 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: Wing R1 Fl-2 | **Zone Description: No Zone** | **System Description: AHU Second FL**

GENERAL INFORMATION

Floor Area: 1,367 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
N Wall	1,761 ft²	0	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4*	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: Wing R2 FL-2 | **Zone Description: No Zone** | **System Description: AHU Second FL**

GENERAL INFORMATION

Floor Area: 900 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
E Wall	1,200 ft²	90	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4*	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: Wing R3 Fl-2 | **Zone Description: No Zone** | **System Description: AHU Second FL**

GENERAL INFORMATION

Floor Area: 1,367 ft² | Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
S Wall	1,761 ft²	180	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: Wing R4 FL-2 | **Zone Description: No Zone** | **System Description: AHU Second FL**

GENERAL INFORMATION

Floor Area: 900 ft² | Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
W Wall	1,200 ft²	270	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: Wing 5 Fl-3 Int

Zone Description: No Zone

System Description: AHU Third FL

GENERAL INFORMATION

Floor Area: 10,138 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Glass Area ft²	Glass Shade Coef	Glass U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	10,138 ft²	0	90	4" LW Conc	0.2135	0.90		0			Overhang - None	None					
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: Wing R1 FL-3

Zone Description: No Zone

System Description: AHU Third FL

GENERAL INFORMATION

Floor Area: 1,367 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Glass Area ft²	Glass Shade Coef	Glass U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	1,367 ft²	0	90	4" LW Conc	0.2135	0.90		0			Overhang - None	None					
N Wall	1,761 ft²	0	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: Wing R2 Fl-3

Zone Description: No Zone

System Description: AHU Third FL

GENERAL INFORMATION

Floor Area:	900 ft²	Flr-Flr Height:	12.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	None		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	General Office Space
# of People:	143 sq ft/person
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	Available (100%)
Workstation:	1.0 workstation/person

LIGHTS

Lighting Type:	Recessed fluorescent, not vented, 80% load to space
Fixture Type:	RECFL-NV
% Load to RA:	20 %
Lighting Schedule:	Available (100%)
Lighting Amount:	1.1 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	900 ft²	0	90	4" LW Conc	0.2135	0.90											
E Wall	1,200 ft²	90	0	Frame Wall, No Ins	0.4376	0.90		0			Overhang - None	None					
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: Wing R3 FL-3 **Zone Description: No Zone** **System Description: AHU Third FL**

GENERAL INFORMATION

Floor Area: 1,367 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	1,367 ft²	0	90	4" LW Conc	0.2135	0.90		0			Overhang - None	None					
S Wall	1,761 ft²	180	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Project Name:
Dataset Name: D:\DOCUMENTS AND SETTINGS\E470859\MY DOCUMENTS\PROJECTS\PORT ST LUCIE

TRACE® 700 v6.2.7 Exhibit 2 - Page 490 on 01/13/2012
Alternative - 1 Entered Values - Rooms Page 8 of 27

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: Wing R4 FL-3 **Zone Description: No Zone** **System Description: AHU Third FL**

GENERAL INFORMATION

Floor Area: 900 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	900 ft²	0	90	4" LW Conc	0.2135	0.90		0			Overhang - None	None					
W Wall	1,200 ft²	270	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: W1-R1 N | **Zone Description: No Zone** | **System Description: AHU 1 First FL**

GENERAL INFORMATION

Floor Area: 1,367 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Demand Vent Pt St Lucie	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
N Wall	1,761 ft²	0	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4*	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: W1-R2 E | **Zone Description: No Zone** | **System Description: AHU 1 First FL**

GENERAL INFORMATION

Floor Area: 900 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Demand Vent Pt St Lucie	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
E Wall	1,200 ft²	90	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4*	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: W1-R3 S | **Zone Description: No Zone** | **System Description: AHU 1 First FL**

GENERAL INFORMATION

Floor Area: 1,367 ft² | Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Demand Vent Pt St Lucie	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
S Wall	1,761 ft²	180	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: W1-R4 W | **Zone Description: No Zone** | **System Description: AHU 1 First FL**

GENERAL INFORMATION

Floor Area: 900 ft² | Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Demand Vent Pt St Lucie	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
W Wall	1,200 ft²	270	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: W1-R5 Int | **Zone Description: No Zone** | **System Description: AHU 1 First FL**

GENERAL INFORMATION

Floor Area: 10,138 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Demand Vent Pt St Lucie	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: Wing 5 Fl-2 int | **Zone Description: No Zone** | **System Description: AHU Second FL**

GENERAL INFORMATION

Floor Area: 10,138 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Demand Vent Pt St Lucie	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: Wing R1 Fl-2 | **Zone Description: No Zone** | **System Description: AHU Second FL**

GENERAL INFORMATION

Floor Area: 1,367 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Demand Vent Pt St Lucie	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
N Wall	1,761 ft²	0	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: Wing R2 FL-2 | **Zone Description: No Zone** | **System Description: AHU Second FL**

GENERAL INFORMATION

Floor Area: 900 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Demand Vent Pt St Lucie	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
E Wall	1,200 ft²	90	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: Wing R3 FI-2 | **Zone Description: No Zone** | **System Description: AHU Second FL**

GENERAL INFORMATION

Floor Area: 1,367 ft² | Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Demand Vent Pt St Lucie	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
S Wall	1,761 ft²	180	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: Wing R4 FL-2 | **Zone Description: No Zone** | **System Description: AHU Second FL**

GENERAL INFORMATION

Floor Area: 900 ft² | Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Demand Vent Pt St Lucie	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
W Wall	1,200 ft²	270	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: Wing 5 Fl-3 Int | **Zone Description: No Zone** | **System Description: AHU Third FL**

GENERAL INFORMATION

Floor Area: 10,138 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Demand Vent Pt St Lucie	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	10,138 ft²	0	90	4" LW Conc	0.2135	0.90		0			Overhang - None	None					
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: Wing R1 FL-3 | **Zone Description: No Zone** | **System Description: AHU Third FL**

GENERAL INFORMATION

Floor Area: 1,367 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Demand Vent Pt St Lucie	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	1,367 ft²	0	90	4" LW Conc	0.2135	0.90		0			Overhang - None	None					
N Wall	1,761 ft²	0	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: Wing R2 Fl-3 | **Zone Description: No Zone** | **System Description: AHU Third FL**

GENERAL INFORMATION

Floor Area: 900 ft² | Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Demand Vent Pt St Lucie	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Rel/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	900 ft²	0	90	4" LW Conc	0.2135	0.90		0			Overhang - None	None					
E Wall	1,200 ft²	90	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: Wing R3 FL-3

Zone Description: No Zone

System Description: AHU Third FL

GENERAL INFORMATION

Floor Area: 1,367 ft²
Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft
Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room
Floor Multiplier: 1
Humidistat Location: Room
Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Demand Vent Pt St Lucie	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	1,367 ft²	0	90	4" LW Conc	0.2135	0.90											
S Wall	1,761 ft²	180	0	Frame Wall, No Ins	0.4376	0.90		0			Overhang - None	None					
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: Wing R4 FL-3

Zone Description: No Zone

System Description: AHU Third FL

GENERAL INFORMATION

Floor Area:	900 ft²	Flr-Flr Height:	12.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	None		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	General Office Space
# of People:	143 sq ft/person
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	Available (100%)
Workstation:	1.0 workstation/person

LIGHTS

Lighting Type:	Recessed fluorescent, not vented, 80% load to space
Fixture Type:	RECFL-NV
% Load to RA:	20 %
Lighting Schedule:	Available (100%)
Lighting Amount:	1.1 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Demand Vent Pt St Lucie	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Glass Area ft²	Glass Shade Coef	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	900 ft²	0	90	4" LW Conc	0.2135	0.90		0			Overhang - None	None					
W Wall	1,200 ft²	270	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: W1-R1 N | **Zone Description: No Zone** | **System Description: AHU 1 First FL**

GENERAL INFORMATION

Floor Area: 1,367 ft² | Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Demand Vent Pt St Lucie	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
N Wall	1,761 ft²	0	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4*	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: W1-R2 E | **Zone Description: No Zone** | **System Description: AHU 1 First FL**

GENERAL INFORMATION

Floor Area: 900 ft² | Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Demand Vent Pt St Lucie	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
E Wall	1,200 ft²	90	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4*	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: W1-R3 S | **Zone Description: No Zone** | **System Description: AHU 1 First FL**

GENERAL INFORMATION

Floor Area: 1,367 ft² | Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Demand Vent Pt St Lucie	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
S Wall	1,761 ft²	180	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: W1-R4 W | **Zone Description: No Zone** | **System Description: AHU 1 First FL**

GENERAL INFORMATION

Floor Area: 900 ft² | Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Demand Vent Pt St Lucie	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
W Wall	1,200 ft²	270	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W1-R5 Int

Zone Description: No Zone

System Description: AHU 1 First FL

GENERAL INFORMATION

Floor Area: 10,138 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Demand Vent Pt St Lucie	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: Wing 5 Fl-2 int

Zone Description: No Zone

System Description: AHU Second FL

GENERAL INFORMATION

Floor Area: 10,138 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Demand Vent Pt St Lucie	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: Wing R1 FI-2 | **Zone Description: No Zone** | **System Description: AHU Second FL**

GENERAL INFORMATION

Floor Area: 1,367 ft² | Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Demand Vent Pt St Lucie	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
N Wall	1,761 ft²	0	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: Wing R2 FL-2 | **Zone Description: No Zone** | **System Description: AHU Second FL**

GENERAL INFORMATION

Floor Area: 900 ft² | Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)
Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Demand Vent Pt St Lucie	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
E Wall	1,200 ft²	90	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: Wing R3 Fl-2 | **Zone Description: No Zone** | **System Description: AHU Second FL**

GENERAL INFORMATION

Floor Area: 1,367 ft² | Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Demand Vent Pt St Lucie	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
S Wall	1,761 ft²	180	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: Wing R4 FL-2 | **Zone Description: No Zone** | **System Description: AHU Second FL**

GENERAL INFORMATION

Floor Area: 900 ft² | Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Demand Vent Pt St Lucie	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
W Wall	1,200 ft²	270	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: Wing 5 Fl-3 Int

Zone Description: No Zone

System Description: AHU Third FL

GENERAL INFORMATION

Floor Area:	10,138 ft²	Flr-Flr Height:	12.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	None		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	General Office Space
# of People:	143 sq ft/person
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	Available (100%)
Workstation:	1.0 workstation/person

LIGHTS

Lighting Type:	Recessed fluorescent, not vented, 80% load to space
Fixture Type:	RECFL-NV
% Load to RA:	20 %
Lighting Schedule:	Available (100%)
Lighting Amount:	1.1 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Demand Vent Pt St Lucie	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	10,138 ft²	0	90	4" LW Conc	0.2135	0.90		0			Overhang - None	None					
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

Room Description: Wing R1 FL-3

Zone Description: No Zone

System Description: AHU Third FL

GENERAL INFORMATION

Floor Area:	1,367 ft²	Flr-Flr Height:	12.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	None		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	General Office Space
# of People:	143 sq ft/person
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	Available (100%)
Workstation:	1.0 workstation/person

LIGHTS

Lighting Type:	Recessed fluorescent, not vented, 80% load to space
Fixture Type:	RECFL-NV
% Load to RA:	20 %
Lighting Schedule:	Available (100%)
Lighting Amount:	1.1 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Demand Vent Pt St Lucie	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	1,367 ft²	0	90	4" LW Conc	0.2135	0.90		0			Overhang - None	None					
N Wall	1,761 ft²	0	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: Wing R2 FI-3 **Zone Description: No Zone** **System Description: AHU Third FL**

GENERAL INFORMATION

Floor Area: 900 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Available (100%)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Available (100%)
Lighting Amount: 1.1 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Demand Vent Pt St Lucie	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Glass Area ft²	Glass Shade Coef	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	900 ft²	0	90	4" LW Conc	0.2135	0.90		0			Overhang - None	None					
E Wall	1,200 ft²	90	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: Wing R3 FL-3 | **Zone Description: No Zone** | **System Description: AHU Third FL**

GENERAL INFORMATION

Floor Area:	1,367 ft²	Flr-Flr Height:	12.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	None		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	General Office Space
# of People:	143 sq ft/person
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	Available (100%)
Workstation:	1.0 workstation/person

LIGHTS

Lighting Type:	Recessed fluorescent, not vented, 80% load to space
Fixture Type:	RECFL-NV
% Load to RA:	20 %
Lighting Schedule:	Available (100%)
Lighting Amount:	1.1 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Demand Vent Pt St Lucie	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	1,367 ft²	0	90	4" LW Conc	0.2135	0.90											
S Wall	1,761 ft²	180	0	Frame Wall, No Ins	0.4376	0.90		0			Overhang - None	None					
Opening - 1				Window			Single Clear 1/4"	440	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: Wing R4 FL-3 | **Zone Description: No Zone** | **System Description: AHU Third FL**

GENERAL INFORMATION

Floor Area:	900 ft²	Flr-Flr Height:	12.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	None		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	General Office Space
# of People:	143 sq ft/person
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	Available (100%)
Workstation:	1.0 workstation/person

LIGHTS

Lighting Type:	Recessed fluorescent, not vented, 80% load to space
Fixture Type:	RECFL-NV
% Load to RA:	20 %
Lighting Schedule:	Available (100%)
Lighting Amount:	1.1 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Demand Vent Pt St Lucie	
Infil Type:	None	None
Infil Value:	0.00 air changes/hr	0.00 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	900 ft²	0	90	4" LW Conc	0.2135	0.90											
W Wall	1,200 ft²	270	0	Frame Wall, No Ins	0.4376	0.90		0			Overhang - None	None					
Opening - 1				Window			Single Clear 1/4"	300	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Available (100%)			Electricity							100	100	0	60.00

SYSTEM ENTERED VALUES

By Honeywell Inc

AHU Second FL - VAV w/Baseboard Skin Heating

Design Air Conditions

	Max	Min
Cooling supply:		
Leaving cooling coil:		
Heating supply:		

Supply duct temperature diff: 0.0 °F
Reheat Temperature diff: 0.0 °F
Design humidity ratio diff:
Min room relative humidity:

Advanced Options

Cooling coil sizing method: Block
Cooling coil location: System
Block cooling airflow:
Ventilation deck location: Return/Outdoor Deck
Supply duct location: Return Air
Return air path: PLENUM

Supply fan motor location: Supply
Return fan motor location: Return
Supply fan cofiguration: Draw Thru
Supply fan sizing: Block
Fan mechanical efficiency : 75%
Apply Std62 People Avg: No
Std62 Max Vent (Z) Ratio:

Night purge schedule: Off (0%)
Optimum start schedule: Off (0%)
Optimum stop schedule: Off (0%)
CO2-based DCV: None
System ventilation flag: Sum Room OA Reqs

Reset per worst case room schedule: Off (0%)
Max reset:
Use system default outside air reset: Yes

Supply air path / duct location: Return Air
Space convective gains to occupied layer:
Underfloor plenum height: 0.0 ft
Conductive resistance of raised floor: 0.8 hr·ft²·°F/Btu
Upstream nominal leakage fraction: 0 %
Downstream constant leakage fraction: 0 %
Aux cooling coil losses to plenum: 0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Follow Outside Air Reset Schedule	Wall Convector
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)
Aux cooling:		Available (100%)
Main heating:	100.0 % of Design Capacity	Available (100%)
Aux heating:	100 % of Design Capacity	Available (100%)
Preheat:	100.0% of Design Capacity	Available (100%)
Reheat:	100.0 % of Design Capacity	Available (100%)
Humidification:	100.0 % of Design Capacity	Available (100%)

Diversity
People 100%
Lights 100%
Misc loads 100%

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.0 in. wg	20.00000 Nominal Hp	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	FC Centrifugal const vol	4.0 in. wg	0.00032 kW/Cfm-in wg	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

AHU 1 First FL - VAV w/Baseboard Skin Heating

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Block		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)		Supply air path / duct location:	Return Air
Max reset:			Space convective gains to occupied layer:	
Use system default outside air reset:	Yes		Underfloor plenum height:	0.0 ft
			Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
			Upstream nominal leakage fraction:	0 %
			Downstream constant leakage fraction:	0 %
			Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Follow Outside Air Reset Schedule	Wall Convector
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:	100 % of Design Capacity	Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.0 in. wg	25.00000 Nominal Hp	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

AHU Third FL - VAV w/Forced Flow Skin Heating

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Block		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)		Supply air path / duct location:	Return Air
Max reset:			Space convective gains to occupied layer:	
Use system default outside air reset:	Yes		Underfloor plenum height:	0.0 ft
			Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
			Upstream nominal leakage fraction:	0 %
			Downstream constant leakage fraction:	0 %
			Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Follow Outside Air Reset Schedule	Fan Coil (Wall)
Auxiliary fan	Constant Volume	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:	100 % of Design Capacity	Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal const vol	2.0 in. wg	20.00000 Nominal Hp	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

AHU Second FL - VAV w/Baseboard Skin Heating

Design Air Conditions

	Max	Min
Cooling supply:		
Leaving cooling coil:		
Heating supply:		

Supply duct temperature diff: 0.0 °F
Reheat Temperature diff: 0.0 °F
Design humidity ratio diff:
Min room relative humidity:

Advanced Options

Cooling coil sizing method: Block
Cooling coil location: System
Block cooling airflow:
Ventilation deck location: Return/Outdoor Deck
Supply duct location: Return Air
Return air path: PLENUM

Supply fan motor location: Supply
Return fan motor location: Return
Supply fan cofiguration: Draw Thru
Supply fan sizing: Block
Fan mechanical efficiency : 75%
Apply Std62 People Avg: No
Std62 Max Vent (Z) Ratio:

Night purge schedule: Off (0%)
Optimum start schedule: Off (0%)
Optimum stop schedule: Off (0%)

CO2-based DCV: None

System ventilation flag: Sum Room OA Reqs

Reset per worst case room schedule: Off (0%)
Max reset:
Use system default outside air reset: Yes

Supply air path / duct location: Return Air
Space convective gains to occupied layer:
Underfloor plenum height: 0.0 ft
Conductive resistance of raised floor: 0.8 hr·ft²·°F/Btu
Upstream nominal leakage fraction: 0 %
Downstream constant leakage fraction: 0 %
Aux cooling coil losses to plenum: 0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Follow Outside Air Reset Schedule	Wall Convector
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People 100%
Aux cooling:		Available (100%)	Lights 100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads 100%
Aux heating:	100 % of Design Capacity	Available (100%)	
Preheat:	100.0% of Design Capacity	Available (100%)	
Reheat:	100.0 % of Design Capacity	Available (100%)	
Humidification:	100.0 % of Design Capacity	Available (100%)	

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.0 in. wg	20.00000 Nominal Hp	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	FC Centrifugal const vol	4.0 in. wg	0.00032 kW/Cfm-in wg	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

AHU 1 First FL - VAV w/Baseboard Skin Heating

Design Air Conditions

	Max	Min
Cooling supply:		
Leaving cooling coil:		
Heating supply:		

Supply duct temperature diff: 0.0 °F
Reheat Temperature diff: 0.0 °F

Design humidity ratio diff:
Min room relative humidity:

Advanced Options

Cooling coil sizing method: Block
Cooling coil location: System
Block cooling airflow:
Ventilation deck location: Return/Outdoor Deck
Supply duct location: Return Air
Return air path: PLENUM

Supply fan motor location: Supply
Return fan motor location: Return
Supply fan cofiguration: Draw Thru
Supply fan sizing: Block
Fan mechanical efficiency : 75%
Apply Std62 People Avg: No
Std62 Max Vent (Z) Ratio:

Night purge schedule: Off (0%)
Optimum start schedule: Off (0%)
Optimum stop schedule: Off (0%)

CO2-based DCV: None

System ventilation flag: Sum Room OA Reqs

Reset per worst case room schedule: Off (0%)
Max reset:
Use system default outside air reset: Yes

Supply air path / duct location: Return Air
Space convective gains to occupied layer:
Underfloor plenum height: 0.0 ft
Conductive resistance of raised floor: 0.8 hr·ft²·°F/Btu
Upstream nominal leakage fraction: 0 %
Downstream constant leakage fraction: 0 %
Aux cooling coil losses to plenum: 0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Follow Outside Air Reset Schedule	Wall Convector
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)
Aux cooling:		Available (100%)
Main heating:	100.0 % of Design Capacity	Available (100%)
Aux heating:	100 % of Design Capacity	Available (100%)
Preheat:	100.0% of Design Capacity	Available (100%)
Reheat:	100.0 % of Design Capacity	Available (100%)
Humidification:	100.0 % of Design Capacity	Available (100%)

Diversity
People 100%
Lights 100%
Misc loads 100%

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.0 in. wg	25.00000 Nominal Hp	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

AHU Third FL - VAV w/Forced Flow Skin Heating

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Block		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)		Supply air path / duct location:	Return Air
Max reset:			Space convective gains to occupied layer:	
Use system default outside air reset:	Yes		Underfloor plenum height:	0.0 ft
			Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
			Upstream nominal leakage fraction:	0 %
			Downstream constant leakage fraction:	0 %
			Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Follow Outside Air Reset Schedule	Fan Coil (Wall)
Auxiliary fan	Constant Volume	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:	100 % of Design Capacity	Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal const vol	2.0 in. wg	20.00000 Nominal Hp	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

AHU Second FL - VAV w/Baseboard Skin Heating

Design Air Conditions

	Max	Min
Cooling supply:		
Leaving cooling coil:		
Heating supply:		

Supply duct temperature diff: 0.0 °F
Reheat Temperature diff: 0.0 °F
Design humidity ratio diff:
Min room relative humidity:

Advanced Options

Cooling coil sizing method: Block
Cooling coil location: System
Block cooling airflow:
Ventilation deck location: Return/Outdoor Deck
Supply duct location: Return Air
Return air path: PLENUM

Supply fan motor location: Supply
Return fan motor location: Return
Supply fan cofiguration: Draw Thru
Supply fan sizing: Block
Fan mechanical efficiency : 75%
Apply Std62 People Avg: No
Std62 Max Vent (Z) Ratio:

Night purge schedule: Off (0%)
Optimum start schedule: Off (0%)
Optimum stop schedule: Off (0%)
CO2-based DCV: None
System ventilation flag: Sum Room OA Reqs

Reset per worst case room schedule: Off (0%)
Max reset:
Use system default outside air reset: Yes

Supply air path / duct location: Return Air
Space convective gains to occupied layer:
Underfloor plenum height: 0.0 ft
Conductive resistance of raised floor: 0.8 hr·ft²·°F/Btu
Upstream nominal leakage fraction: 0 %
Downstream constant leakage fraction: 0 %
Aux cooling coil losses to plenum: 0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Follow Outside Air Reset Schedule	Wall Convector
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People 100%
Aux cooling:		Available (100%)	Lights 100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads 100%
Aux heating:	100 % of Design Capacity	Available (100%)	
Preheat:	100.0% of Design Capacity	Available (100%)	
Reheat:	100.0 % of Design Capacity	Available (100%)	
Humidification:	100.0 % of Design Capacity	Available (100%)	

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.0 in. wg	20.00000 Nominal Hp	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	FC Centrifugal const vol	4.0 in. wg	0.00032 kW/Cfm-in wg	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

AHU 1 First FL - VAV w/Baseboard Skin Heating

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Block		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)		Supply air path / duct location:	Return Air
Max reset:			Space convective gains to occupied layer:	
Use system default outside air reset:	Yes		Underfloor plenum height:	0.0 ft
			Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
			Upstream nominal leakage fraction:	0 %
			Downstream constant leakage fraction:	0 %
			Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Follow Outside Air Reset Schedule	Wall Convector
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:	100 % of Design Capacity	Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.0 in. wg	25.00000 Nominal Hp	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

AHU Third FL - VAV w/Forced Flow Skin Heating

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Block		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)		Supply air path / duct location:	Return Air
Max reset:			Space convective gains to occupied layer:	
Use system default outside air reset:	Yes		Underfloor plenum height:	0.0 ft
			Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
			Upstream nominal leakage fraction:	0 %
			Downstream constant leakage fraction:	0 %
			Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Follow Outside Air Reset Schedule	Fan Coil (Wall)
Auxiliary fan	Constant Volume	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:	100 % of Design Capacity	Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal const vol	2.0 in. wg	20.00000 Nominal Hp	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

ENTERED VALUES

Walls by Direction

By Honeywell Inc

Alternative 1

North (0 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R1 N	N Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
Wing R1 FI-2	N Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
Wing R1 FL-3	N Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
		5,281.9			**0.4376**			**1,320.5**	**0.82**	**0.9500**		

East (90 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R2 E	E Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
Wing R2 FL-2	E Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
Wing R2 FI-3	E Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
		3,600.0			**0.4376**			**900.0**	**0.82**	**0.9500**		

South (180 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R3 S	S Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
Wing R3 FI-2	S Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
Wing R3 FL-3	S Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
		5,281.9			**0.4376**			**1,320.5**	**0.82**	**0.9500**		

ENTERED VALUES

Walls by Direction

By Honeywell Inc

West (270 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R4 W	W Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
Wing R4 FL-2	W Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
Wing R4 FL-3	W Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
		3,600.0			**0.4376**			**900.0**	**0.82**	**0.9500**		
Total Area		**17,763.8**						**4,441.0**				

ENTERED VALUES

Walls by Direction

By Honeywell Inc

Alternative 2

North (0 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R1 N	N Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
Wing R1 Fl-2	N Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
Wing R1 FL-3	N Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
		5,281.9			**0.4376**			**1,320.5**	**0.82**	**0.9500**		

East (90 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R2 E	E Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
Wing R2 FL-2	E Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
Wing R2 Fl-3	E Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
		3,600.0			**0.4376**			**900.0**	**0.82**	**0.9500**		

South (180 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R3 S	S Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
Wing R3 Fl-2	S Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
Wing R3 FL-3	S Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
		5,281.9			**0.4376**			**1,320.5**	**0.82**	**0.9500**		

ENTERED VALUES

Walls by Direction

By Honeywell Inc

West (270 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R4 W	W Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
Wing R4 FL-2	W Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
Wing R4 FL-3	W Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
		3,600.0			**0.4376**			**900.0**	**0.82**	**0.9500**		
Total Area		**17,763.8**						**4,441.0**				

ENTERED VALUES

Walls by Direction

By Honeywell Inc

Alternative 3

North (0 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R1 N	N Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
Wing R1 Fl-2	N Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
Wing R1 FL-3	N Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
		5,281.9			**0.4376**			**1,320.5**	**0.82**	**0.9500**		

East (90 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R2 E	E Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
Wing R2 FL-2	E Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
Wing R2 Fl-3	E Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
		3,600.0			**0.4376**			**900.0**	**0.82**	**0.9500**		

South (180 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R3 S	S Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
Wing R3 Fl-2	S Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
Wing R3 FL-3	S Wall	1,760.6	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	440.2	0.82	0.9500	Overhang - None	None
		5,281.9			**0.4376**			**1,320.5**	**0.82**	**0.9500**		

ENTERED VALUES

Walls by Direction

By Honeywell Inc

West (270 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R4 W	W Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
Wing R4 FL-2	W Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
Wing R4 FL-3	W Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	300.0	0.82	0.9500	Overhang - None	None
		3,600.0			**0.4376**			**900.0**	**0.82**	**0.9500**		
Total Area		**17,763.8**						**4,441.0**				

PROJECT INFORMATION

Location	
Building owner	
Program user	
Company	
Comments	

By	**Honeywell**
Dataset name	**D:\PROJECTS\PORT ST LUCIE\BUILDING MODELLING\CITY HALL C\CITY C-3FL-V4.TRC**

Calculation time	**03:41 PM on 01/23/2012**	
TRACE® 700 version	**6.2.7**	
Location	**West Palm Beach, Florida**	
Latitude	**26.7**	**deg**
Longitude	**80.2**	**deg**
Time Zone	**5**	
Elevation	**15**	**ft**
Barometric pressure	**29.9**	**in. Hg**
Air density	**0.0760**	**lb/cu ft**
Air specific heat	**0.2444**	**Btu/lb·°F**
Density-specific heat product	**1.1147**	**Btu/h·cfm·°F**
Latent heat factor	**4,906.9**	**Btu·min/h·cu ft**
Enthalpy factor	**4.5604**	**lb·min/hr·cu ft**
Summer design dry bulb	**92**	**°F**
Summer design wet bulb	**79**	**°F**
Winter design dry bulb	**45**	**°F**
Summer clearness number	**0.90**	
Winter clearness number	**0.95**	
Summer ground reflectance	**0.20**	
Winter ground reflectance	**0.20**	
Carbon Dioxide Level	**400**	**ppm**
Design simulation period	**January - December**	
Cooling load methodology	**TETD-TA1**	
Heating load methodology	**UATD**	

MONTHLY ENERGY CONSUMPTION

By Honeywell

------- Monthly Energy Consumption -------

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative: 1 **Port St Lucie City Hall C**													
Electric													
On-Pk Cons. (kWh)	138,297	128,288	145,645	144,520	152,181	155,841	162,929	165,604	156,167	150,693	140,266	141,658	1,782,089
On-Pk Demand (kW)	268	266	292	293	296	318	326	340	336	317	306	292	340

Energy Consumption		
Building	138,183	Btu/(ft2-year)
Source	414,591	Btu/(ft2-year)
Floor Area	44,016	ft2

Environmental Impact Analysis	
CO2	28,897,482 lbm/year
SO2	81,994 gm/year
NOX	46,368 gm/year

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative: 2 **Port St Lucie City Hall C Lighting ECM**													
Electric													
On-Pk Cons. (kWh)	127,231	118,821	134,049	133,328	140,699	144,593	151,158	153,779	144,750	139,152	129,108	130,393	1,647,060
On-Pk Demand (kW)	252	250	276	276	280	302	308	323	319	301	291	276	323

Energy Consumption		
Building	127,713	Btu/(ft2-year)
Source	383,177	Btu/(ft2-year)
Floor Area	44,016	ft2

Environmental Impact Analysis	
CO2	26,707,926 lbm/year
SO2	75,782 gm/year
NOX	42,855 gm/year

MONTHLY ENERGY CONSUMPTION

By Honeywell

------- Monthly Energy Consumption -------

Utility		Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative: 3	**Port St Lucie City Hall C VFD Pumping**													
Electric														
	On-Pk Cons. (kWh)	120,718	112,952	127,790	127,384	134,647	138,993	145,406	148,141	139,149	133,060	123,044	124,039	1,575,323
	On-Pk Demand (kW)	246	244	271	272	276	298	305	320	316	298	287	271	320

Energy Consumption		
Building	122,151	Btu/(ft2-year)
Source	366,488	Btu/(ft2-year)
Floor Area	44,016	ft2

Environmental Impact Analysis	
CO2	25,544,676 lbm/year
SO2	72,481 gm/year
NOX	40,988 gm/year

Utility		Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative: 4	**VFD on Third FL AHU**													
Electric														
	On-Pk Cons. (kWh)	121,876	115,049	124,935	123,496	130,696	134,996	141,210	143,729	134,882	128,816	119,871	122,084	1,541,640
	On-Pk Demand (kW)	240	241	267	268	272	295	302	317	314	296	285	268	317

Energy Consumption		
Building	119,539	Btu/(ft2-year)
Source	358,652	Btu/(ft2-year)
Floor Area	44,016	ft2

Environmental Impact Analysis	
CO2	24,998,488 lbm/year
SO2	70,931 gm/year
NOX	40,112 gm/year

MONTHLY ENERGY CONSUMPTION

By Honeywell

------ Monthly Energy Consumption ------

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative: 4 VFD on Third FL AHU													
Electric													
On-Pk Cons. (kWh)	121,007	114,255	123,874	122,378	129,461	133,578	139,718	142,144	133,473	127,620	118,848	121,092	1,527,448
On-Pk Demand (kW)	237	237	262	263	267	289	296	310	308	291	280	263	310

Energy Consumption		
Building	118,438	Btu/(ft2-year)
Source	355,350	Btu/(ft2-year)
Floor Area	44,016	ft2

Environmental Impact Analysis	
CO2	24,768,354 lbm/year
SO2	70,278 gm/year
NOX	39,743 gm/year

Alternative: 5 Demand control ventilation

Electric													
On-Pk Cons. (kWh)	120,954	114,880	123,437	121,262	128,195	131,134	136,953	139,156	130,857	126,358	118,194	120,197	1,511,577
On-Pk Demand (kW)	237	237	262	263	267	289	296	310	308	291	280	263	310

Energy Consumption		
Building	117,208	Btu/(ft2-year)
Source	351,658	Btu/(ft2-year)
Floor Area	44,016	ft2

Environmental Impact Analysis	
CO2	24,510,996 lbm/year
SO2	69,548 gm/year
NOX	39,330 gm/year

MONTHLY ENERGY CONSUMPTION

By Honeywell

------ Monthly Energy Consumption -------

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative: 5	**Chilled water reset sequence**												
Electric													
On-Pk Cons. (kWh)	119,694	113,783	122,284	119,955	126,631	129,583	135,379	137,558	129,308	124,825	117,073	118,991	1,495,065
On-Pk Demand (kW)	233	234	259	260	264	287	294	309	306	288	277	260	309

Energy Consumption		
Building	115,927	Btu/(ft2-year)
Source	347,817	Btu/(ft2-year)
Floor Area	44,016	ft2

Environmental Impact Analysis	
CO2	24,243,244 lbm/year
SO2	68,788 gm/year
NOX	38,900 gm/year

MONTHLY ENERGY CONSUMPTION

By Honeywell

------- Monthly Energy Consumption -------

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total

Alternative: 7 **Reset Operating Temp 76 degrees**

Electric

On-Pk Cons. (kWh)	118,490	111,925	121,188	119,786	126,882	131,404	137,534	139,854	131,155	125,017	116,449	118,667	1,498,350
On-Pk Demand (kW)	233	233	259	260	265	288	295	308	307	290	278	257	308

Energy Consumption		
Building	116,182	Btu/(ft2-year)
Source	348,581	Btu/(ft2-year)
Floor Area	44,016	ft2

Environmental Impact Analysis	
CO2	24,296,508 lbm/year
SO2	68,939 gm/year
NOX	38,986 gm/year

ELECTRICAL PEAK CHECKSUMS

By Honeywell

Alternative 1 **Port St Lucie City Hall C**

Yearly Time of Peak: 16(Hr) 8(Month)

Equipment Description		Electrical Demand (kw)	Percent of Total (%)
Cooling Equipment			
Air-cooled chiller - 001		131.32	38.58
Air-cooled chiller - 002		87.92	25.83
	Sub total	219.24	64.41
Fan Equipment			
Sys 3: AHU Third FL		14.91	4.38
Sys 2: AHU 1 First FL		14.54	4.27
Sys 1: AHU Second FL		11.63	3.42
	Sub total	41.08	12.07
Miscellaneous			
Misc Equipment		22.01	6.47
Base Utilities		0.00	0.00
Lights		58.05	17.05
	Sub total	80.06	23.52
	Total	340.38	100

Alternative 2 **Lighting ECM**

Yearly Time of Peak: 16(Hr) 8(Month)

Equipment Description		Electrical Demand (kw)	Percent of Total (%)
Cooling Equipment			
Air-cooled chiller - 001		127.72	39.60
Air-cooled chiller - 002		85.41	26.48
	Sub total	213.13	66.08
Fan Equipment			
Sys 3: AHU Third FL		14.91	4.62
Sys 2: AHU 1 First FL		14.34	4.45
Sys 1: AHU Second FL		11.47	3.56
	Sub total	40.72	12.63
Miscellaneous			
Lights		46.66	14.47
Misc Equipment		22.01	6.82
Base Utilities		0.00	0.00
	Sub total	68.67	21.29
	Total	322.52	100

ELECTRICAL PEAK CHECKSUMS

By Honeywell

Alternative 3 **VFD Pumping**

Yearly Time of Peak: 16(Hr) 8(Month)

Equipment Description		Electrical Demand (kw)	Percent of Total (%)
Cooling Equipment			
Air-cooled chiller - 001		125.39	39.16
Air-cooled chiller - 002		85.41	26.67
	Sub total	210.80	65.83
Fan Equipment			
Sys 3: AHU Third FL		14.91	4.66
Sys 2: AHU 1 First FL		14.34	4.48
Sys 1: AHU Second FL		11.47	3.58
	Sub total	40.72	12.72
Miscellaneous			
Misc Equipment		22.01	6.87
Base Utilities		0.00	0.00
Lights		46.66	14.57
	Sub total	68.67	21.44
	Total	320.19	100

Alternative 4 **VFD on Third FL AHU**

Yearly Time of Peak: 16(Hr) 8(Month)

Equipment Description		Electrical Demand (kw)	Percent of Total (%)
Cooling Equipment			
Air-cooled chiller - 001		123.89	39.10
Air-cooled chiller - 002		84.49	26.67
	Sub total	208.38	65.77
Fan Equipment			
Sys 3: AHU Third FL		13.97	4.41
Sys 2: AHU 1 First FL		14.34	4.53
Sys 1: AHU Second FL		11.47	3.62
	Sub total	39.78	12.56
Miscellaneous			
Base Utilities		0.00	0.00
Lights		46.66	14.73
Misc Equipment		22.01	6.95
	Sub total	68.67	21.68
	Total	316.83	100

ELECTRICAL PEAK CHECKSUMS

By Honeywell

Alternative 4 **VFD on Third FL AHU**

Yearly Time of Peak: 16(Hr) 8(Month)

Equipment Description		Electrical Demand (kw)	Percent of Total (%)
Cooling Equipment			
Air-cooled chiller - 002		84.49	27.25
Air-cooled chiller - 001		117.07	37.76
	Sub total	201.56	65.01
Fan Equipment			
Sys 1: AHU Second FL		11.47	3.70
Sys 2: AHU 1 First FL		14.34	4.63
Sys 3: AHU Third FL		13.97	4.50
	Sub total	39.78	12.83
Miscellaneous			
Lights		46.66	15.05
Base Utilities		0.00	0.00
Misc Equipment		22.01	7.10
	Sub total	68.67	22.15
	Total	310.01	100

Alternative 5 **Demand control ventilation**

Yearly Time of Peak: 16(Hr) 8(Month)

Equipment Description		Electrical Demand (kw)	Percent of Total (%)
Cooling Equipment			
Air-cooled chiller - 001		117.07	37.76
Air-cooled chiller - 002		84.49	27.25
	Sub total	201.56	65.01
Fan Equipment			
Sys 3: AHU Third FL		13.97	4.50
Sys 2: AHU 1 First FL		14.34	4.63
Sys 1: AHU Second FL		11.47	3.70
	Sub total	39.78	12.83
Miscellaneous			
Lights		46.66	15.05
Base Utilities		0.00	0.00
Misc Equipment		22.01	7.10
	Sub total	68.67	22.15
	Total	310.01	100

ELECTRICAL PEAK CHECKSUMS

By Honeywell

Alternative 6 **Chilled water reset**

Yearly Time of Peak: 16(Hr) 8(Month)

Equipment Description		Electrical Demand (kw)	Percent of Total (%)
Cooling Equipment			
Air-cooled chiller - 001		116.30	37.68
Air-cooled chiller - 002		83.95	27.19
	Sub total	200.25	64.87
Fan Equipment			
Sys 1: AHU Second FL		11.47	3.72
Sys 2: AHU 1 First FL		14.34	4.65
Sys 3: AHU Third FL		13.97	4.52
	Sub total	39.78	12.89
Miscellaneous			
Misc Equipment		22.01	7.13
Lights		46.66	15.11
Base Utilities		0.00	0.00
	Sub total	68.67	22.24
	Total	308.70	100

ELECTRICAL PEAK CHECKSUMS

By Honeywell

Equipment Description	Electrical Demand (kw)	Percent of Total (%)
	316.83	

Alternative 7 **Reset Operating Temp 2**

Yearly Time of Peak: 16(Hr) 8(Month)

Equipment Description		Electrical Demand (kw)	Percent of Total (%)
Cooling Equipment			
Air-cooled chiller - 001		118.86	38.54
Air-cooled chiller - 002		81.41	26.39
	Sub total	200.27	64.93
Fan Equipment			
Sys 1: AHU Second FL		11.36	3.68
Sys 2: AHU 1 First FL		14.20	4.60
Sys 3: AHU Third FL		13.93	4.52
	Sub total	39.49	12.80
Miscellaneous			
Misc Equipment		22.01	7.14
Lights		46.66	15.13
Base Utilities		0.00	0.00
	Sub total	68.67	22.27
	Total	308.43	100

Energy Cost Budget / PRM Summary

By Honeywell

Project Name:	Date: January 28, 2012
City:	Weather Data: West Palm Beach, Florida

Note: The percentage displayed for the "Proposed/ Base %" column of the base case is actually the percentage of the total energy consumption.

* Denotes the base alternative for the ECB study.

		* Alt-1 Port St Lucie City Hall C			Alt-2			Alt-3			Alt-4		
		Energy 10^6 Btu/yr	Proposed / Base %	Peak kBtuh	Energy 10^6 Btu/yr	Proposed / Base %	Peak kBtuh	Energy 10^6 Btu/yr	Proposed / Base %	Peak kBtuh	Energy 10^6 Btu/yr	Proposed / Base %	Peak kBtuh
Lighting - Conditioned	Electricity	1,735.5	29	198	1,394.9	80	159	1,394.9	80	159	1,394.9	80	159
Space Heating	Electricity	69.8	1	127	71.3	102	140	71.3	102	140	109.5	157	154
Space Cooling	Electricity	1,923.9	32	594	1,829.6	95	586	1,829.6	95	586	1,862.9	97	576
Pumps	Electricity	645.0	11	102	636.6	99	102	391.7	61	94	385.5	60	93
Heat Rejection	Electricity	193.8	3	53	183.8	95	53	183.8	95	53	187.8	97	52
Fans - Conditioned	Electricity	856.3	14	166	847.3	99	166	847.3	99	166	663.0	77	166
Receptacles - Conditioned	Electricity	658.0	11	75	658.0	100	75	658.0	100	75	658.0	100	75
Total Building Consumption		**6,082.3**			**5,621.4**			**5,376.6**			**5,261.6**		

		* Alt-1 Port St Lucie City Hall C	Alt-2	Alt-3	Alt-4
Total	**Number of hours heating load not met**	0	0	0	0
	Number of hours cooling load not met	0	0	0	0

	* Alt-1 Port St Lucie City Hall C			Alt-2			Alt-3			Alt-4		
	Energy 10^6 Btu/yr	Cost/yr	$/yr	Energy 10^6 Btu/yr	Cost/yr	$/yr	Energy 10^6 Btu/yr	Cost/yr	$/yr	Energy 10^6 Btu/yr	Cost/yr	$/yr
Electricity	6,082.3	135,708		5,621.4	126,068		5,376.6	121,363		5,261.6	119,029	
Total	**6,082**	**135,708**		**5,621**	**126,068**		**5,377**	**121,363**		**5,262**	**119,029**	

Energy Cost Budget / PRM Summary

By Honeywell

Project Name:	Date: January 23, 2012
City:	Weather Data: West Palm Beach, Florida

Note: The percentage displayed for the "Proposed/ Base %" column of the base case is actually the percentage of the total energy consumption.

* Denotes the base alternative for the ECB study.

		* Alt-4 VFD on Third FL AHU			Alt-5 Demand control ventilation			Alt-6 Chilled water reset sequen		
		Energy 10^6 Btu/yr	Proposed / Base %	Peak kBtuh	Energy 10^6 Btu/yr	Proposed / Base %	Peak kBtuh	Energy 10^6 Btu/yr	Proposed / Base %	Peak kBtuh
Lighting - Conditioned	Electricity	1,394.9	27	159	1,394.9	100	159	1,394.9	100	159
Space Heating	Electricity	109.5	2	154	109.5	100	154	109.5	100	154
Space Cooling	Electricity	1,862.9	36	576	1,818.3	98	576	1,763.2	95	573
Pumps	Electricity	337.1	6	70	331.9	98	70	332.0	98	70
Heat Rejection	Electricity	187.8	4	52	183.3	98	52	182.0	97	52
Fans - Conditioned	Electricity	663.0	13	166	663.0	100	166	663.0	100	166
Receptacles - Conditioned	Electricity	658.0	13	75	658.0	100	75	658.0	100	75
Total Building Consumption		**5,213.2**			**5,159.0**			**5,102.7**		

		* Alt-4 VFD on Third FL AHU	Alt-5 Demand control ventilation	Alt-6 Chilled water reset sequen
Total	**Number of hours heating load not met**	0	0	0
	Number of hours cooling load not met	0	0	0

	* Alt-4 VFD on Third FL AHU			Alt-5 Demand control ventilation			Alt-6 Chilled water reset sequen		
	Energy 10^6 Btu/yr	Cost/yr	$/yr	Energy 10^6 Btu/yr	Cost/yr	$/yr	Energy 10^6 Btu/yr	Cost/yr	$/yr
Electricity	5,213.2	117,703		5,159.0	116,750		5,102.7	115,528	
Total	**5,213**	**117,703**		**5,159**	**116,750**		**5,103**	**115,528**	

ENERGY CONSUMPTION SUMMARY

By Honeywell

	Elect Cons. (kWh)	% of Total Building Energy	Total Building Energy (kBtu/yr)	Total Source Energy* (kBtu/yr)
Alternative 1				
Primary heating				
Primary heating	20,457	1.2 %	69,818	209,475
Other Htg Accessories		0.0 %	0	0
Heating Subtotal	**20,457**	**1.2 %**	**69,818**	**209,475**
Primary cooling				
Cooling Compressor	562,666	31.6 %	1,920,379	5,761,712
Tower/Cond Fans	56,791	3.2 %	193,829	581,545
Condenser Pump		0.0 %	0	0
Other Clg Accessories	1,025	0.1 %	3,497	10,493
Cooling Subtotal....	**620,482**	**34.8 %**	**2,117,705**	**6,353,750**
Auxiliary				
Supply Fans	250,887	14.1 %	856,276	2,569,085
Pumps	188,981	10.6 %	644,992	1,935,169
Stand-alone Base Utilities		0.0 %	0	0
Aux Subtotal....	439,867	24.7 %	1,501,268	4,504,254
Lighting				
Lighting	508,492	28.5 %	1,735,484	5,206,972
Receptacle				
Receptacles	192,790	10.8 %	657,993	1,974,176
Cogeneration				
Cogeneration		0.0 %	0	0
Totals				
Totals**	**1,782,088**	**100.0 %**	**6,082,267**	**18,248,626**

* Note: Resource Utilization factors are included in the Total Source Energy value.
** Note: This report can display a maximum of 7 utilities. If additional utilities are used, they will be included in the total.

Project Name:
Dataset Name: CITY C-3FL-V4.TRC

ENERGY CONSUMPTION SUMMARY

By Honeywell

	Elect Cons. (kWh)	% of Total Building Energy	Total Building Energy (kBtu/yr)	Total Source Energy* (kBtu/yr)
Alternative 2				
Primary heating				
Primary heating	20,883	1.3 %	71,274	213,844
Other Htg Accessories		0.0 %	0	0
Heating Subtotal	**20,883**	**1.3 %**	**71,274**	**213,844**
Primary cooling				
Cooling Compressor	535,066	32.5 %	1,826,179	5,479,085
Tower/Cond Fans	53,840	3.3 %	183,754	551,318
Condenser Pump		0.0 %	0	0
Other Clg Accessories	1,000	0.1 %	3,413	10,239
Cooling Subtotal....	**589,905**	**35.8 %**	**2,013,346**	**6,040,641**
Auxiliary				
Supply Fans	248,252	15.1 %	847,284	2,542,106
Pumps	186,515	11.3 %	636,576	1,909,919
Stand-alone Base Utilities		0.0 %	0	0
Aux Subtotal....	434,767	26.4 %	1,483,860	4,452,025
Lighting				
Lighting	408,715	24.8 %	1,394,944	4,185,249
Receptacle				
Receptacles	192,790	11.7 %	657,993	1,974,176
Cogeneration				
Cogeneration		0.0 %	0	0
Totals				
Totals**	**1,647,060**	**100.0 %**	**5,621,417**	**16,865,936**

* Note: Resource Utilization factors are included in the Total Source Energy value.
** Note: This report can display a maximum of 7 utilities. If additional utilities are used, they will be included in the total.

Project Name:
Dataset Name: CITY C-3FL-V4.TRC

ENERGY CONSUMPTION SUMMARY

By Honeywell

	Elect Cons. (kWh)	% of Total Building Energy	Total Building Energy (kBtu/yr)	Total Source Energy* (kBtu/yr)
Alternative 3				
Primary heating				
Primary heating	20,883	1.3 %	71,274	213,844
Other Htg Accessories		0.0 %	0	0
Heating Subtotal	**20,883**	**1.3 %**	**71,274**	**213,844**
Primary cooling				
Cooling Compressor	535,066	34.0 %	1,826,179	5,479,085
Tower/Cond Fans	53,840	3.4 %	183,754	551,318
Condenser Pump		0.0 %	0	0
Other Clg Accessories	1,000	0.1 %	3,413	10,239
Cooling Subtotal....	**589,905**	**37.5 %**	**2,013,346**	**6,040,641**
Auxiliary				
Supply Fans	248,252	15.8 %	847,284	2,542,106
Pumps	114,778	7.3 %	391,738	1,175,330
Stand-alone Base Utilities		0.0 %	0	0
Aux Subtotal....	363,030	23.0 %	1,239,021	3,717,436
Lighting				
Lighting	408,715	25.9 %	1,394,944	4,185,249
Receptacle				
Receptacles	192,790	12.2 %	657,993	1,974,176
Cogeneration				
Cogeneration		0.0 %	0	0
Totals				
Totals**	**1,575,323**	**100.0 %**	**5,376,578**	**16,131,347**

* Note: Resource Utilization factors are included in the Total Source Energy value.
** Note: This report can display a maximum of 7 utilities. If additional utilities are used, they will be included in the total.

Project Name:
Dataset Name: CITY C-3FL-V4.TRC

ENERGY CONSUMPTION SUMMARY

By Honeywell

	Elect Cons. (kWh)	% of Total Building Energy	Total Building Energy (kBtu/yr)	Total Source Energy* (kBtu/yr)
Alternative 4				
Primary heating				
Primary heating	32,079	2.1 %	109,485	328,487
Other Htg Accessories		0.0 %	0	0
Heating Subtotal	**32,079**	**2.1 %**	**109,485**	**328,487**
Primary cooling				
Cooling Compressor	544,848	35.3 %	1,859,566	5,579,255
Tower/Cond Fans	55,028	3.6 %	187,809	563,483
Condenser Pump		0.0 %	0	0
Other Clg Accessories	980	0.1 %	3,346	10,039
Cooling Subtotal....	**600,856**	**39.0 %**	**2,050,720**	**6,152,777**
Auxiliary				
Supply Fans	194,252	12.6 %	662,981	1,989,141
Pumps	112,949	7.3 %	385,496	1,156,604
Stand-alone Base Utilities		0.0 %	0	0
Aux Subtotal....	307,201	19.9 %	1,048,477	3,145,744
Lighting				
Lighting	408,715	26.5 %	1,394,944	4,185,249
Receptacle				
Receptacles	192,790	12.5 %	657,993	1,974,176
Cogeneration				
Cogeneration		0.0 %	0	0
Totals				
Totals**	**1,541,640**	**100.0 %**	**5,261,618**	**15,786,433**

* Note: Resource Utilization factors are included in the Total Source Energy value.
** Note: This report can display a maximum of 7 utilities. If additional utilities are used, they will be included in the total.

Project Name:
Dataset Name: CITY C-3FL-V4.TRC

ENERGY CONSUMPTION SUMMARY

By Honeywell

	Elect Cons. (kWh)	% of Total Building Energy	Total Building Energy (kBtu/yr)	Total Source Energy* (kBtu/yr)
Alternative 4				
Primary heating				
Primary heating	32,079	2.1 %	109,485	328,487
Other Htg Accessories		0.0 %	0	0
Heating Subtotal	**32,079**	**2.1 %**	**109,485**	**328,487**
Primary cooling				
Cooling Compressor	544,848	35.7 %	1,859,566	5,579,255
Tower/Cond Fans	55,028	3.6 %	187,809	563,483
Condenser Pump		0.0 %	0	0
Other Clg Accessories	980	0.1 %	3,346	10,039
Cooling Subtotal....	**600,856**	**39.3 %**	**2,050,720**	**6,152,777**
Auxiliary				
Supply Fans	194,252	12.7 %	662,981	1,989,141
Pumps	98,757	6.5 %	337,058	1,011,277
Stand-alone Base Utilities		0.0 %	0	0
Aux Subtotal....	293,009	19.2 %	1,000,039	3,000,417
Lighting				
Lighting	408,715	26.8 %	1,394,944	4,185,249
Receptacle				
Receptacles	192,790	12.6 %	657,993	1,974,176
Cogeneration				
Cogeneration		0.0 %	0	0
Totals				
Totals**	**1,527,448**	**100.0 %**	**5,213,181**	**15,641,106**

* Note: Resource Utilization factors are included in the Total Source Energy value.
** Note: This report can display a maximum of 7 utilities. If additional utilities are used, they will be included in the total.

ENERGY CONSUMPTION SUMMARY

By Honeywell

	Elect Cons. (kWh)	% of Total Building Energy	Total Building Energy (kBtu/yr)	Total Source Energy* (kBtu/yr)
Alternative 5				
Primary heating				
Primary heating	32,079	2.1 %	109,485	328,487
Other Htg Accessories		0.0 %	0	0
Heating Subtotal	**32,079**	**2.1 %**	**109,485**	**328,487**
Primary cooling				
Cooling Compressor	531,806	35.2 %	1,815,053	5,445,703
Tower/Cond Fans	53,720	3.6 %	183,347	550,095
Condenser Pump		0.0 %	0	0
Other Clg Accessories	966	0.1 %	3,296	9,889
Cooling Subtotal....	**586,491**	**38.8 %**	**2,001,695**	**6,005,686**
Auxiliary				
Supply Fans	194,252	12.9 %	662,981	1,989,141
Pumps	97,250	6.4 %	331,915	995,843
Stand-alone Base Utilities		0.0 %	0	0
Aux Subtotal....	291,502	19.3 %	994,895	2,984,984
Lighting				
Lighting	408,715	27.0 %	1,394,944	4,185,249
Receptacle				
Receptacles	192,790	12.8 %	657,993	1,974,176
Cogeneration				
Cogeneration		0.0 %	0	0
Totals				
Totals**	**1,511,577**	**100.0 %**	**5,159,011**	**15,478,582**

* Note: Resource Utilization factors are included in the Total Source Energy value.
** Note: This report can display a maximum of 7 utilities. If additional utilities are used, they will be included in the total.

ENERGY CONSUMPTION SUMMARY

By Honeywell

	Elect Cons. (kWh)	% of Total Building Energy	Total Building Energy (kBtu/yr)	Total Source Energy* (kBtu/yr)
Alternative 5				
Primary heating				
Primary heating	32,079	2.2 %	109,485	328,487
Other Htg Accessories		0.0 %	0	0
Heating Subtotal	**32,079**	**2.2 %**	**109,485**	**328,487**
Primary cooling				
Cooling Compressor	515,657	34.5 %	1,759,937	5,280,338
Tower/Cond Fans	53,334	3.6 %	182,030	546,144
Condenser Pump		0.0 %	0	0
Other Clg Accessories	966	0.1 %	3,296	9,889
Cooling Subtotal....	**569,957**	**38.1 %**	**1,945,262**	**5,836,371**
Auxiliary				
Supply Fans	194,252	13.0 %	662,981	1,989,141
Pumps	97,273	6.5 %	331,991	996,073
Stand-alone Base Utilities		0.0 %	0	0
Aux Subtotal....	291,524	19.5 %	994,972	2,985,213
Lighting				
Lighting	408,715	27.3 %	1,394,944	4,185,249
Receptacle				
Receptacles	192,790	12.9 %	657,993	1,974,176
Cogeneration				
Cogeneration		0.0 %	0	0
Totals				
Totals**	**1,495,065**	**100.0 %**	**5,102,655**	**15,309,496**

* Note: Resource Utilization factors are included in the Total Source Energy value.
** Note: This report can display a maximum of 7 utilities. If additional utilities are used, they will be included in the total.

ENERGY CONSUMPTION SUMMARY

By Honeywell

	Elect Cons. (kWh)	% of Total Building Energy	Total Building Energy (kBtu/yr)	Total Source Energy* (kBtu/yr)
Alternative 7				
Primary heating				
Primary heating	31,393	2.1 %	107,145	321,466
Other Htg Accessories		0.0 %	0	0
Heating Subtotal	**31,393**	**2.1 %**	**107,145**	**321,466**
Primary cooling				
Cooling Compressor	510,313	34.1 %	1,741,699	5,225,621
Tower/Cond Fans	51,359	3.4 %	175,288	525,917
Condenser Pump		0.0 %	0	0
Other Clg Accessories	959	0.1 %	3,274	9,824
Cooling Subtotal....	**562,632**	**37.6 %**	**1,920,262**	**5,761,362**
Auxiliary				
Supply Fans	193,323	12.9 %	659,812	1,979,635
Pumps	109,496	7.3 %	373,711	1,121,245
Stand-alone Base Utilities		0.0 %	0	0
Aux Subtotal....	302,820	20.2 %	1,033,523	3,100,881
Lighting				
Lighting	408,715	27.3 %	1,394,944	4,185,249
Receptacle				
Receptacles	192,790	12.9 %	657,993	1,974,176
Cogeneration				
Cogeneration		0.0 %	0	0
Totals				
Totals**	**1,498,350**	**100.0 %**	**5,113,867**	**15,343,135**

* Note: Resource Utilization factors are included in the Total Source Energy value.
** Note: This report can display a maximum of 7 utilities. If additional utilities are used, they will be included in the total.

MONTHLY UTILITY COSTS

By Honeywell

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
	------- Monthly Utility Costs -------												
Alternative 1													
Electric													
On-Pk Cons. ($)	8,298	7,697	8,739	8,671	9,131	9,350	9,776	9,936	9,370	9,042	8,416	8,499	106,925
Off-Pk Cons. ($)	16	16	16	16	16	16	16	16	16	16	16	16	197
On-Pk Demand ($)	2,096	2,084	2,283	2,293	2,320	2,489	2,552	2,665	2,635	2,480	2,397	2,289	28,585
Total ($):	10,410	9,798	11,038	10,981	11,468	11,855	12,345	12,618	12,021	11,538	10,829	10,805	135,708
Monthly Total ($):	10,410	9,798	11,038	10,981	11,468	11,855	12,345	12,618	12,021	11,538	10,829	10,805	135,708

Building Area = 44,016 ft²

Utility Cost Per Area = 3.08 $/ft²

Alternative 2

Electric

On-Pk Cons. ($)	7,634	7,129	8,043	8,000	8,442	8,676	9,069	9,227	8,685	8,349	7,746	7,824	98,824
Off-Pk Cons. ($)	16	16	16	16	16	16	16	16	16	16	16	16	197
On-Pk Demand ($)	1,971	1,958	2,157	2,165	2,196	2,363	2,415	2,525	2,497	2,359	2,277	2,164	27,047
Total ($):	9,621	9,104	10,217	10,181	10,654	11,055	11,501	11,769	11,199	10,724	10,040	10,004	126,067
Monthly Total ($):	9,621	9,104	10,217	10,181	10,654	11,055	11,501	11,769	11,199	10,724	10,040	10,004	126,067

Building Area = 44,016 ft²

Utility Cost Per Area = 2.86 $/ft²

MONTHLY UTILITY COSTS

By Honeywell

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
					------- Monthly Utility Costs -------								
Alternative 3													
Electric													
On-Pk Cons. ($)	7,243	6,777	7,667	7,643	8,079	8,340	8,724	8,888	8,349	7,984	7,383	7,442	94,519
Off-Pk Cons. ($)	16	16	16	16	16	16	16	16	16	16	16	16	197
On-Pk Demand ($)	1,923	1,910	2,118	2,126	2,159	2,336	2,392	2,507	2,477	2,330	2,244	2,124	26,646
Total ($):	9,182	8,703	9,802	9,786	10,254	10,692	11,133	11,412	10,843	10,330	9,643	9,583	121,363
Monthly Total ($):	9,182	8,703	9,802	9,786	10,254	10,692	11,133	11,412	10,843	10,330	9,643	9,583	121,363

Building Area = 44,016 ft²

Utility Cost Per Area = 2.76 $/ft²

Alternative 4													
Electric													
On-Pk Cons. ($)	7,313	6,903	7,496	7,410	7,842	8,100	8,473	8,624	8,093	7,729	7,192	7,325	92,498
Off-Pk Cons. ($)	16	16	16	16	16	16	16	16	16	16	16	16	197
On-Pk Demand ($)	1,879	1,884	2,089	2,096	2,126	2,307	2,366	2,481	2,460	2,320	2,231	2,095	26,334
Total ($):	9,208	8,803	9,601	9,522	9,985	10,423	10,856	11,121	10,570	10,065	9,440	9,436	119,029
Monthly Total ($):	9,208	8,803	9,601	9,522	9,985	10,423	10,856	11,121	10,570	10,065	9,440	9,436	119,029

Building Area = 44,016 ft²

Utility Cost Per Area = 2.70 $/ft²

MONTHLY UTILITY COSTS

By Honeywell

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
	------- Monthly Utility Costs -------												
Alternative 4													
Electric													
On-Pk Cons. ($)	7,260	6,855	7,432	7,343	7,768	8,015	8,383	8,529	8,008	7,657	7,131	7,266	91,647
Off-Pk Cons. ($)	16	16	16	16	16	16	16	16	16	16	16	16	197
On-Pk Demand ($)	1,853	1,857	2,054	2,061	2,090	2,261	2,318	2,427	2,408	2,275	2,192	2,061	25,858
Total ($):	9,130	8,729	9,503	9,420	9,874	10,293	10,718	10,972	10,433	9,949	9,339	9,343	117,703
Monthly Total ($):	9,130	8,729	9,503	9,420	9,874	10,293	10,718	10,972	10,433	9,949	9,339	9,343	117,703

Building Area = 44,016 ft²

Utility Cost Per Area = 2.67 $/ft²

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative 5													
Electric													
On-Pk Cons. ($)	7,257	6,893	7,406	7,276	7,692	7,868	8,217	8,349	7,851	7,581	7,092	7,212	90,695
Off-Pk Cons. ($)	16	16	16	16	16	16	16	16	16	16	16	16	197
On-Pk Demand ($)	1,853	1,857	2,054	2,061	2,090	2,261	2,318	2,427	2,408	2,275	2,192	2,061	25,858
Total ($):	9,127	8,767	9,477	9,353	9,798	10,146	10,552	10,793	10,276	9,873	9,300	9,290	116,750
Monthly Total ($):	9,127	8,767	9,477	9,353	9,798	10,146	10,552	10,793	10,276	9,873	9,300	9,290	116,750

Building Area = 44,016 ft²

Utility Cost Per Area = 2.65 $/ft²

MONTHLY UTILITY COSTS

By Honeywell

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
	------- Monthly Utility Costs -------												
Alternative 6													
Electric													
On-Pk Cons. ($)	7,182	6,827	7,337	7,197	7,598	7,775	8,123	8,253	7,759	7,489	7,024	7,139	89,704
Off-Pk Cons. ($)	16	16	16	16	16	16	16	16	16	16	16	16	197
On-Pk Demand ($)	1,828	1,832	2,031	2,037	2,067	2,245	2,304	2,417	2,397	2,259	2,172	2,038	25,627
Total ($):	9,026	8,675	9,384	9,251	9,681	10,036	10,443	10,687	10,172	9,764	9,213	9,194	115,528
Monthly Total ($):	9,026	8,675	9,384	9,251	9,681	10,036	10,443	10,687	10,172	9,764	9,213	9,194	115,528

Building Area = 44,016 ft²

Utility Cost Per Area = 2.62 $/ft²

MONTHLY UTILITY COSTS

By Honeywell

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
	------- Monthly Utility Costs -------												

Alternative 7 – 76 degrees

Electric

On-Pk Cons. ($)	7,109	6,715	7,271	7,187	7,613	7,884	8,252	8,391	7,869	7,501	6,987	7,120	89,901
Off-Pk Cons. ($)	16	16	16	16	16	16	16	16	16	16	16	16	197
On-Pk Demand ($)	2,263	2,269	2,518	2,531	2,579	2,801	2,870	2,998	2,980	2,820	2,698	2,494	31,820
Total ($):	9,389	9,001	9,806	9,734	10,208	10,702	11,138	11,406	10,865	10,337	9,701	9,631	121,918
Monthly Total ($):	9,389	9,001	9,806	9,734	10,208	10,702	11,138	11,406	10,865	10,337	9,701	9,631	121,918

Building Area = 44,016 ft²

Utility Cost Per Area = 2.77 $/ft²

Economic Summary

Project Information

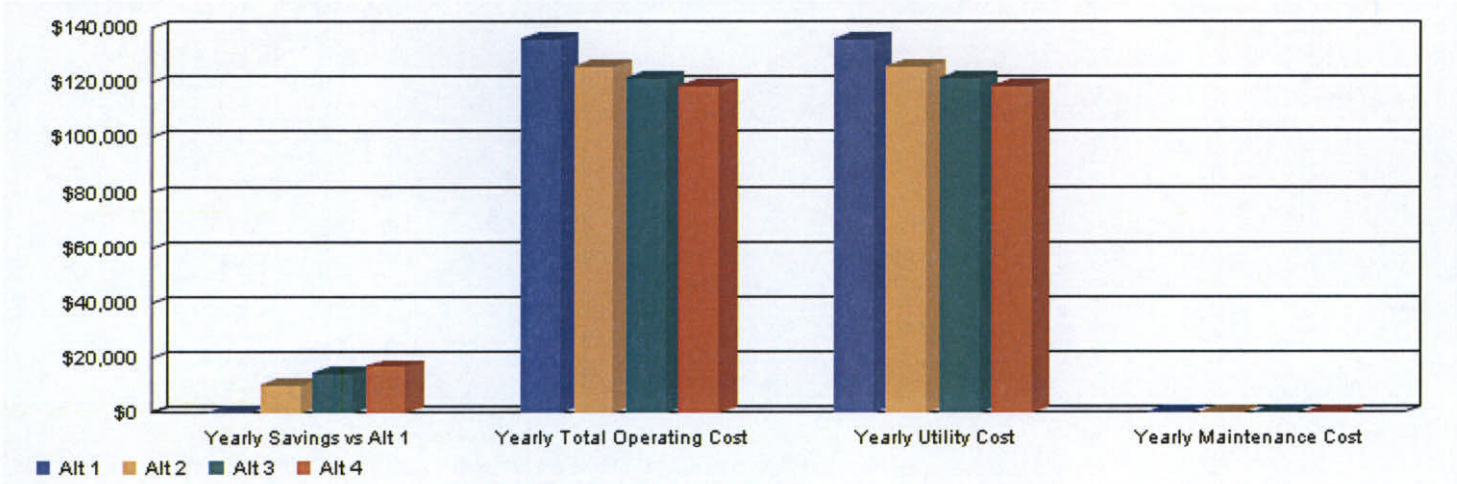
Location
Project Name
User
Company
Comments

Study Life: 20 years
Cost of Capital: 10 %
Alternative 1: Port St Lucie City Hall C Baseline
Alternative 2: Port St Lucie City Hall C Lighting ECM
Alternative 3: Port St Lucie City Hall C VFD Pumping
Alternative 4: VFD on Third FL AHU

Economic Comparison of Alternatives

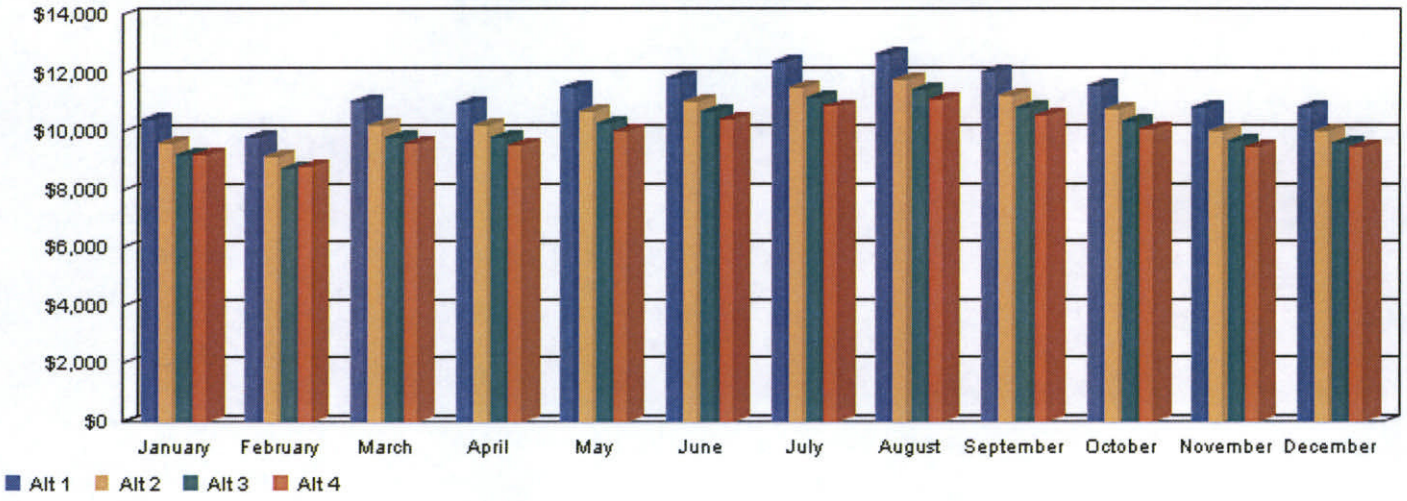
	Yearly Savings ($)	First Cost Difference ($)	Cumulative Cash Flow Difference ($)	Simple Payback (yrs.)	Net Present Value ($)	Life Cycle Payback (yrs.)	Internal Rate of Return (%)	Life Cycle Cost
Alt 1 vs Alt 2	-9,640	0	-192,804	No Payback	-82,072	No Payback	Does Not Payback	-82,072.38
Alt 1 vs Alt 3	-14,345	0	-286,893	No Payback	-122,124	No Payback	Does Not Payback	-122,124.20
Alt 1 vs Alt 4	-16,678	0	-333,566	No Payback	-141,992	No Payback	Does Not Payback	-141,991.60
Alt 2 vs Alt 3	-4,704	0	-94,089	No Payback	-40,052	No Payback	Does Not Payback	-40,051.84
Alt 2 vs Alt 4	-7,038	0	-140,762	No Payback	-59,919	No Payback	Does Not Payback	-59,919.23
Alt 3 vs Alt 4	-2,334	0	-46,672	No Payback	-19,867	No Payback	Does Not Payback	-19,867.39

Annual Operating Costs



	Yearly Savings vs Alt 1	Yearly Total Operating Cost ($)	Yearly Utility Cost ($)	Yearly Maintenance Cost ($)	Plant kWh/ton-hr
Alt 1	0	135,708	135,708	0	0.000
Alt 2	9,640	126,068	126,068	0	0.000
Alt 3	14,345	121,363	121,363	0	0.000
Alt 4	16,678	119,029	119,029	0	0.000

Monthly Utility Costs



Economic Summary

Project Information

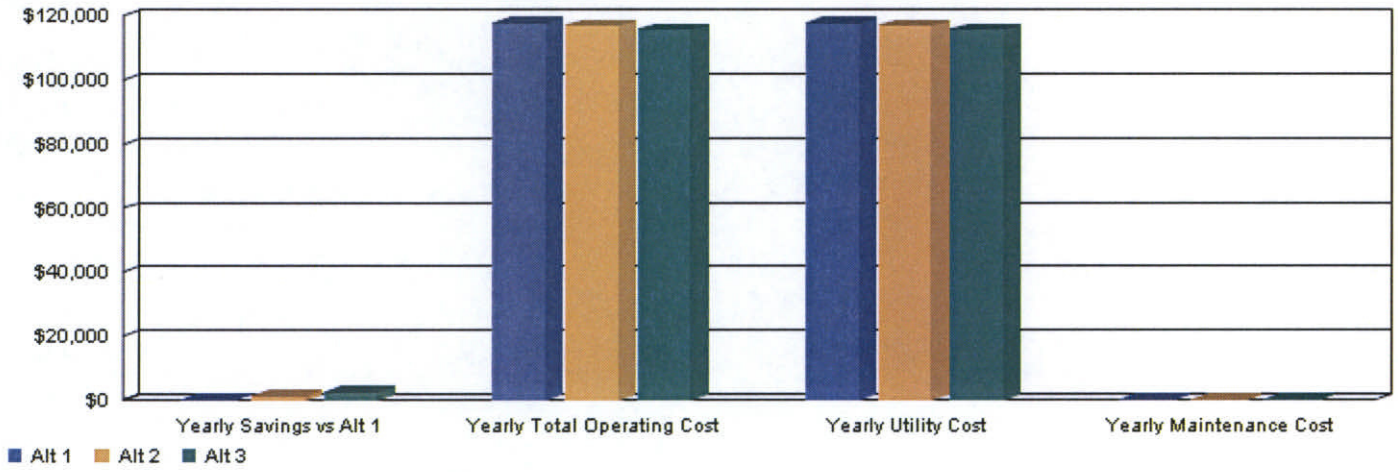
Location
Project Name
User
Company
Comments

Study Life: 20 years
Cost of Capital: 10 %
Alternative 4: VFD on Third FL AHU
Alternative 5: Demand control ventilation
Alternative 6: Chilled water reset sequence

Economic Comparison of Alternatives

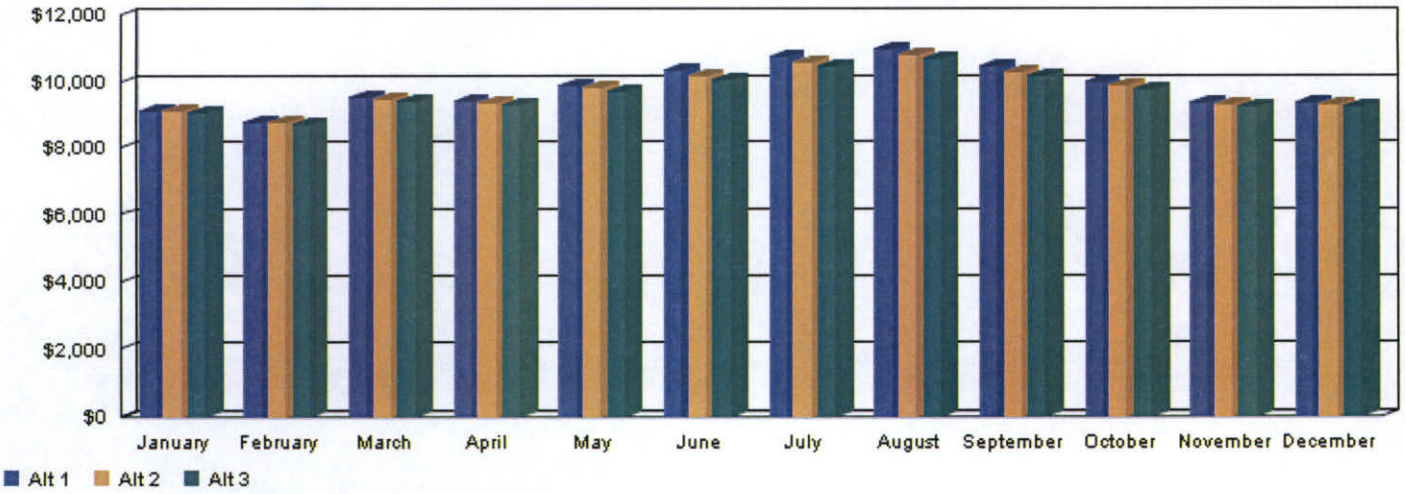
	Yearly Savings ($)	First Cost Difference ($)	Cumulative Cash Flow Difference ($)	Simple Payback (yrs.)	Net Present Value ($)	Life Cycle Payback (yrs.)	Internal Rate of Return (%)	Life Cycle Cost
Alt 4 vs Alt 5	-952	0	-19,045	No Payback	-8,107	No Payback	Does Not Payback	-8,107.07
Alt 4 vs Alt 6	-2,175	0	-43,498	No Payback	-18,516	No Payback	Does Not Payback	-18,516.22
Alt 5 vs Alt 6	-1,223	0	-24,453	No Payback	-10,409	No Payback	Does Not Payback	-10,409.14

Annual Operating Costs



	Yearly Savings vs Alt 1	Yearly Total Operating Cost ($)	Yearly Utility Cost ($)	Yearly Maintenance Cost ($)	Plant kWh/ton-hr
Alt 4	0	117,703	117,703	0	0.000
Alt 5	952	116,750	116,750	0	0.000
Alt 6	2,175	115,528	115,528	0	0.000

Monthly Utility Costs



Economic Summary

Project Information

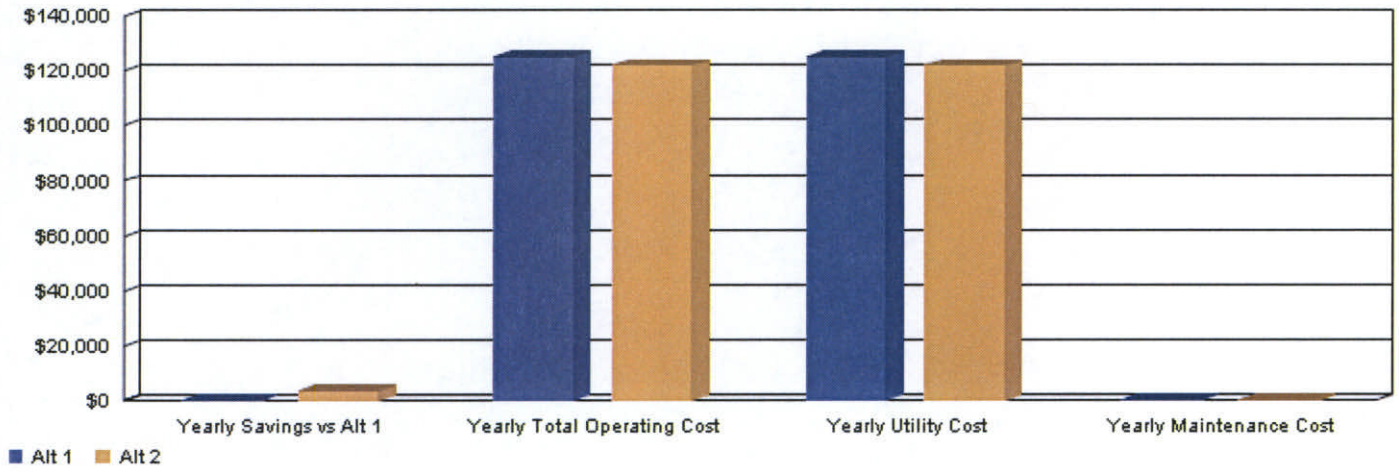
Location
Project Name
User
Company
Comments

Study Life: 20 years
Cost of Capital: 10 %
Alternative 6: VFD on Third FL AHU
Alternative 7: Reset Operating Temp 2 degrees higher

Economic Comparison of Alternatives

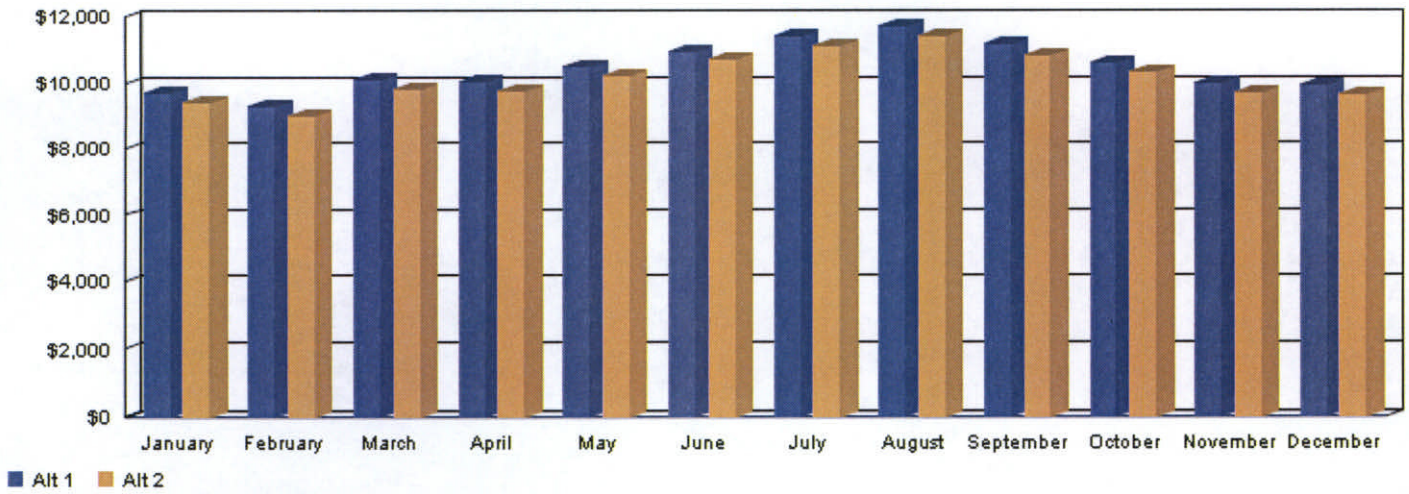
	Yearly Savings ($)	First Cost Difference ($)	Cumulative Cash Flow Difference ($)	Simple Payback (yrs.)	Net Present Value ($)	Life Cycle Payback (yrs.)	Internal Rate of Return (%)	Life Cycle Cost
Alt 6 vs Alt 7	-3,468	0	-69,357	No Payback	-29,524	No Payback	Does Not Payback	-29,523.95

Annual Operating Costs



	Yearly Savings vs Alt 1	Yearly Total Operating Cost ($)	Yearly Utility Cost ($)	Yearly Maintenance Cost ($)
Alt 6	0	125,386	125,386	0
Alt 7	3,468	121,918	121,918	0

Monthly Utility Costs



Police Evidence Bldg

Entered Values

TRACE® 700 version 6.2.7

By Honeywell Inc

Project Name:
Dataset Name: D:\DOCUMENTS AND SETTINGS\E470859\MY DOCUMENTS\PROJECTS\PORT ST LUCIE FL\CONTRACT WORKING
Location:
Building Owner:
Program User:
Company:
Comments:

Cooling Design Period:	January thru December
Peak Hour Override:	0
Daylight Savings Period:	
Summer Period:	
Cooling Methodology:	TETD-TA1
Heating Methodology:	UATD
Infiltration Methodology:	Vary with wind speed
Outside Film Methodology:	Vary with wind speed
Terrain Methodology:	Flat terrain with some isolated objects
Room Circ Rate:	Medium
Wall Load To Plenum:	YES
Building Orientation:	0 degrees from north
Simulation Hours:	Reduced year
Calendar Code:	Standard (1978)
Energy Simulation Period:	January thru December

Location:	West Palm Beach, Florida	
Summer Design Dry Bulb:	92.30	°F
Summer Design Wet Bulb:	79.20	°F
Winter Design Dry Bulb:	45.00	°F
Summer Clearness Number:	0.90	
Winter Clearness Number:	0.95	
Summer Ground Reflectance:	0.20	
Winter Ground Reflectance:	0.20	
Carbon Dioxide Level:	400	ppm
Force VAV Min => Nominal Ventilation at Design:	No	
Allow Energy Recovery/Transfer at Design:	No	
Retest Design Peaks:	Yes	
Calculate Building Block Loads:	No	

ENTERED VALUES
PLANTS

By Honeywell Inc

Cooling Plant: Cooling plant - 001

Sizing method: Peak
Heat rejection type: None
Secondary distribution pump: None
Secondary pump consumption: 0 Ft Water
Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Off (0%)

Geothermal Loop

TLoop Ent Bldg: None
TLoop schedule: None
Flow rate: 100.00% of condenser flow rate
Loop pump None
Pump F.L. rate: 0.00ft water
Flow scheme: Fully mixed
Loop fluid glycol: 0%
Heat exchanger approach: 0°F

Equipment tag: Air-cooled unitary - 001

Cooling Type: Default air-cooled unitary

Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	3.0 tons	1.3800 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps Type

Chilled water: None
Condenser water: None
Heat recovery or aux cond: None
Free cooling: None

Full Load Consumption

Heat Rejection and Thermal Storage

Heat rejection type: Condenser fan for Heat Pump
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F

Equipment Options

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Equipment tag: Air-cooled unitary - 002

Cooling Type: Default air-cooled unitary

Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:		1.3800 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps Type

Chilled water: None
Condenser water: None
Heat recovery or aux cond: None
Free cooling: None

Full Load Consumption

Heat Rejection and Thermal Storage

Heat rejection type: Condenser fan for Heat Pump
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F

Equipment Options

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Equipment tag: Air-cooled unitary - 003

Cooling Type: Default air-cooled unitary

Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	1.5 tons	1.3800 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps Type

Chilled water: None
Condenser water: None
Heat recovery or aux cond: None
Free cooling: None

Full Load Consumption

Heat Rejection and Thermal Storage

Equipment Options

ENTERED VALUES
PLANTS
By Honeywell Inc

Heat rejection type: Condenser fan for Heat Pump
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Equipment tag: Air-cooled unitary - 004 **Cooling Type: Default air-cooled unitary** **Cooling plant - 001**

Operating Mode	Capacity	Energy Rate
Cooling:	3.0 tons	1.3800 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type
Chilled water:	None
Condenser water:	None
Heat recovery or aux cond:	None
Free cooling:	None

Full Load Consumption

Heat Rejection and Thermal Storage

Heat rejection type: Condenser fan for Heat Pump
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F

Equipment Options

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Equipment tag: Air-cooled unitary - 005 **Cooling Type: Default air-cooled unitary** **Cooling plant - 001**

Operating Mode	Capacity	Energy Rate
Cooling:	2.0 tons	1.3800 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type
Chilled water:	None
Condenser water:	None
Heat recovery or aux cond:	None
Free cooling:	None

Full Load Consumption

Heat Rejection and Thermal Storage

Heat rejection type: Condenser fan for Heat Pump
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F

Equipment Options

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

ENTERED VALUES
PLANTS

By Honeywell Inc

Heating Plant: Heating plant - 002

Sizing method: Peak
Cogeneration type: None
Secondary distribution pump: None
Thermal storage type: None
Thermal storage capacity: 0 ton-hr

Equipment tag: Electric Resistance - 001 Heating Type: Default electric resistance Heating plant - 002

Heating capacity:
Energy rate: 100.00 % Effic.

Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Storage

Hot water pump type: None
Hot water pump cons: 0.00 kW

Equipment schedule: Available (100%)
Demand limiting priority:

Base Utilities

Plant assigned to:
Type:

Description:
Demand limiting priority:

Schedule:
Hourly demand:

Miscellaneous accessories

Plant assigned to:
Equipment tag:

Type:
Description:

Schedule:
Energy:

ENTERED VALUES
PLANTS

By Honeywell Inc

Cooling Plant: Cooling plant - 001

Sizing method: Peak
Heat rejection type: None
Secondary distribution pump: None
Secondary pump consumption: 0 Ft Water
Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Off (0%)

Geothermal Loop

TLoop Ent Bldg: None
TLoop schedule: None
Flow rate: 100.00% of condenser flow rate
Loop pump None
Pump F.L. rate: 0.00ft water
Flow scheme: Fully mixed
Loop fluid glycol: 0%
Heat exchanger approach: 0°F

Equipment tag: Air-cooled unitary - 001

Cooling Type: Default air-cooled unitary

Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	3.0 tons	1.3800 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps Type

Chilled water: None
Condenser water: None
Heat recovery or aux cond: None
Free cooling: None

Full Load Consumption

Heat Rejection and Thermal Storage

Heat rejection type: Condenser fan for Heat Pump
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Equipment Options

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 33999999521443E

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Equipment tag: Air-cooled unitary - 002

Cooling Type: Default air-cooled unitary

Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:		1.3800 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps Type

Chilled water: None
Condenser water: None
Heat recovery or aux cond: None
Free cooling: None

Full Load Consumption

Heat Rejection and Thermal Storage

Heat rejection type: Condenser fan for Heat Pump
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Equipment Options

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 33999999521443E

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Equipment tag: Air-cooled unitary - 003

Cooling Type: Default air-cooled unitary

Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	1.5 tons	1.3800 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps Type

Chilled water: None
Condenser water: None
Heat recovery or aux cond: None
Free cooling: None

Full Load Consumption

Heat Rejection and Thermal Storage

Equipment Options

ENTERED VALUES
PLANTS
By Honeywell Inc

Heat rejection type: Condenser fan for Heat Pump
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 339999995214436

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Equipment tag: Air-cooled unitary - 004 — Cooling Type: Default air-cooled unitary — Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	3.0 tons	1.3800 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type
Chilled water:	None
Condenser water:	None
Heat recovery or aux cond:	None
Free cooling:	None

Full Load Consumption

Heat Rejection and Thermal Storage

Heat rejection type: Condenser fan for Heat Pump
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 339999995214436

Equipment Options

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Equipment tag: Air-cooled unitary - 005 — Cooling Type: Default air-cooled unitary — Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	2.0 tons	1.3800 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type
Chilled water:	None
Condenser water:	None
Heat recovery or aux cond:	None
Free cooling:	None

Full Load Consumption

Heat Rejection and Thermal Storage

Heat rejection type: Condenser fan for Heat Pump
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 339999995214436

Equipment Options

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

ENTERED VALUES
PLANTS

By Honeywell Inc

Heating Plant: Heating plant - 002

Sizing method: Peak
Cogeneration type: None
Secondary distribution pump: None
Thermal storage type: None
Thermal storage capacity: 0 ton-hr

Equipment tag: Electric Resistance - 001

Heating Type: Default electric resistance

Heating plant - 002

Heating capacity:
Energy rate: 100.00 % Effic.

Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Storage

Hot water pump type: None
Hot water pump cons: 0.00 kW

Equipment schedule: Available (100%)
Demand limiting priority:

Base Utilities

Plant assigned to:
Type:

Description:
Demand limiting priority:

Schedule:
Hourly demand:

Miscellaneous accessories

Plant assigned to:
Equipment tag:

Type:
Description:

Schedule:
Energy:

ENTERED VALUES

ROOM ASSIGNMENTS

By Honeywell Inc

ASSIGNED ROOMS

Description
System - 001
System - 001
W1-R1 N
W1-R1 N
W1-R2 E
W1-R2 E
W1-R3 S
W1-R3 S
W1-R4 W
W1-R4 W
W1-R5 Int
W1-R5 Int

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: W1-R1 N | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area: 900 ft² | Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: People - Office

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Lights - Low rise office
Lighting Amount: 0.8 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	Neutral, Loose Const.	Neutral, Loose Const.
Infil Value:	2.50 air changes/hr	2.50 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	900 ft²	0	90	4" LW Conc	0.2135	0.90		0			Overhang - None	None					
N Wall	1,200 ft²	0	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4*	60	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Misc - Low rise office			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: W1-R2 E | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area:	854 ft²	Flr-Flr Height:	12.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	None		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	General Office Space
# of People:	143 sq ft/person
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	People - Low Rise Office
Workstation:	1.0 workstation/person

LIGHTS

Lighting Type:	Recessed fluorescent, not vented, 80% load to space
Fixture Type:	RECFL-NV
% Load to RA:	20 %
Lighting Schedule:	Lights - Low rise office
Lighting Amount:	0.8 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	Neutral, Loose Const.	Neutral, Loose Const.
Infil Value:	2.50 air changes/hr	2.50 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	854 ft²	0	90	4" LW Conc	0.2135	0.90		0			Overhang - None	None					
E Wall	1,145 ft²	90	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	57	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Misc - Low rise office			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: W1-R3 S | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area: 900 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent: 200 Btu/h
People Schedule: People - Low Rise Office

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Lights - Low rise office
Lighting Amount: 0.8 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	Neutral, Loose Const.	Neutral, Loose Const.
Infil Value:	2.50 air changes/hr	2.50 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	900 ft²	0	90	4" LW Conc	0.2135	0.90		0			Overhang - None	None					
S Wall	1,200 ft²	180	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4*	60	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Misc - Low rise office			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W1-R4 W | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area:	854 ft²	Flr-Flr Height:	12.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	None		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	General Office Space
# of People:	143 sq ft/person
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	People - Low Rise Office
Workstation:	1.0 workstation/person

LIGHTS

Lighting Type:	Recessed fluorescent, not vented, 80% load to space
Fixture Type:	RECFL-NV
% Load to RA:	20 %
Lighting Schedule:	Lights - Low rise office
Lighting Amount:	0.8 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	Neutral, Loose Const.	Neutral, Loose Const.
Infil Value:	2.50 air changes/hr	2.50 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	854 ft²	0	90	4" LW Conc	0.2135	0.90		0			Overhang - None	None					
W Wall	1,145 ft²	270	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	57	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Misc - Low rise office			Electricity							100	100	0	60.00

Room Description: W1-R5 Int | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area:	6,032 ft²	Flr-Flr Height:	12.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	None		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	General Office Space
# of People:	143 sq ft/person
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	People - Low Rise Office
Workstation:	1.0 workstation/person

LIGHTS

Lighting Type:	Recessed fluorescent, not vented, 80% load to space
Fixture Type:	RECFL-NV
% Load to RA:	20 %
Lighting Schedule:	Lights - Low rise office
Lighting Amount:	0.8 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	Neutral, Loose Const.	Neutral, Loose Const.
Infil Value:	2.50 air changes/hr	2.50 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	6,032 ft²	0	90	4" LW Conc	0.2135	0.90		0			Overhang - None	None					
Misc Load 1	0.5 W/sq ft			Misc - Low rise office			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W1-R1 N **Zone Description: No Zone** **System Description: System - 001**

GENERAL INFORMATION

Floor Area: 900 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: People - Office

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Lights - Low rise office
Lighting Amount: 0.5 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	Neutral, Loose Const.	Neutral, Loose Const.
Infil Value:	2.50 air changes/hr	2.50 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Glass Area ft²	Glass Shade Coef	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	900 ft²	0	90	4" LW Conc	0.2135	0.90		0			Overhang - None	None					
N Wall	1,200 ft²	0	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	60	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Misc - Low rise office			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: W1-R2 E | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area: 854 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: People - Low Rise Office

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Lights - Low rise office
Lighting Amount: 0.5 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	Neutral, Loose Const.	Neutral, Loose Const.
Infil Value:	2.50 air changes/hr	2.50 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	854 ft²	0	90	4" LW Conc	0.2135	0.90		0			Overhang - None	None					
E Wall	1,145 ft²	90	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	57	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Misc - Low rise office			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: W1-R3 S | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area: 900 ft² Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: People - Low Rise Office

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Lights - Low rise office
Lighting Amount: 0.5 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	Neutral, Loose Const.	Neutral, Loose Const.
Infil Value:	2.50 air changes/hr	2.50 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	900 ft²	0	90	4" LW Conc	0.2135	0.90		0			Overhang - None	None					
S Wall	1,200 ft²	180	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	60	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Misc - Low rise office			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W1-R4 W | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area: 854 ft² | Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: People - Low Rise Office

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Lights - Low rise office
Lighting Amount: 0.5 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	Neutral, Loose Const.	Neutral, Loose Const.
Infil Value:	2.50 air changes/hr	2.50 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	854 ft²	0	90	4" LW Conc	0.2135	0.90		0			Overhang - None	None					
W Wall	1,145 ft²	270	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Single Clear 1/4"	57	0.95	0.95	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Misc - Low rise office			Electricity							100	100	0	60.00

Room Description: W1-R5 Int | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area: 6,032 ft² | Flr-Flr Height: 12.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 143 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: People - Low Rise Office

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Lights - Low rise office
Lighting Amount: 0.5 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	General Office Space	General Office Space
Vent Value:	20.00 cfm/person	20.00 cfm/person
Vent Schedule:	Vent - Office	
Infil Type:	Neutral, Loose Const.	Neutral, Loose Const.
Infil Value:	2.50 air changes/hr	2.50 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:		
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	6,032 ft²	0	90	4" LW Conc	0.2135	0.90		0			Overhang - None	None					
Misc Load 1	0.5 W/sq ft			Misc - Low rise office			Electricity							100	100	0	60.00

SYSTEM ENTERED VALUES

By Honeywell Inc

System - 001 - Packaged Terminal Air Conditioner

Design Air Conditions

	Max	Min
Cooling supply:		
Leaving cooling coil:		
Heating supply:		

Supply duct temperature diff: 0.0 °F
Reheat Temperature diff: 0.0 °F

Design humidity ratio diff:
Min room relative humidity:

Advanced Options

Cooling coil sizing method: Peak
Cooling coil location: Room
Block cooling airflow:
Ventilation deck location: Return/Outdoor Deck
Supply duct location: Return Air
Return air path: PLENUM

Supply fan motor location: Supply
Return fan motor location: Return
Supply fan cofiguration: Blow Thru
Supply fan sizing: Peak
Fan mechanical efficiency : 75%
Apply Std62 People Avg: No
Std62 Max Vent (Z) Ratio:

Night purge schedule: Off (0%)
Optimum start schedule: Off (0%)
Optimum stop schedule: Off (0%)

CO2-based DCV: None

System ventilation flag: Sum Room OA Reqs

Reset per worst case room schedule: Off (0%)
Max reset:
Use system default outside air reset: Yes

Supply air path / duct location: Return Air
Space convective gains to occupied layer:
Underfloor plenum height: 0.0 ft
Conductive resistance of raised floor: 0.8 hr·ft²·°F/Btu
Upstream nominal leakage fraction: 0 %
Downstream constant leakage fraction: 0 %
Aux cooling coil losses to plenum: 0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Activate After Primary System	None
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)
Aux cooling:		Available (100%)
Main heating:	100.0 % of Design Capacity	Available (100%)
Aux heating:		Available (100%)
Preheat:	100.0% of Design Capacity	Available (100%)
Reheat:	100.0 % of Design Capacity	Available (100%)
Humidification:	100.0 % of Design Capacity	Available (100%)

Diversity
People 100%
Lights 100%
Misc loads 100%

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal const vol	4.0 in. wg	0.00032 kW/Cfm-in wg	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

System - 001 - Packaged Terminal Air Conditioner

Design Air Conditions

	Max	Min
Cooling supply:		
Leaving cooling coil:		
Heating supply:		

Supply duct temperature diff: 0.0 °F
Reheat Temperature diff: 0.0 °F
Design humidity ratio diff:
Min room relative humidity:

Advanced Options

Cooling coil sizing method: Peak
Cooling coil location: Room
Block cooling airflow:
Ventilation deck location: Return/Outdoor Deck
Supply duct location: Return Air
Return air path: PLENUM

Supply fan motor location: Supply
Return fan motor location: Return
Supply fan cofiguration: Blow Thru
Supply fan sizing: Peak
Fan mechanical efficiency : 75%
Apply Std62 People Avg: No
Std62 Max Vent (Z) Ratio:

Night purge schedule: Off (0%)
Optimum start schedule: Off (0%)
Optimum stop schedule: Off (0%)

CO2-based DCV: None

System ventilation flag: Sum Room OA Reqs

Reset per worst case room schedule: Off (0%)
Max reset:
Use system default outside air reset: Yes

Supply air path / duct location: Return Air
Space convective gains to occupied layer:
Underfloor plenum height: 0.0 ft
Conductive resistance of raised floor: 0.8 hr·ft²·°F/Btu
Upstream nominal leakage fraction: 0 %
Downstream constant leakage fraction: 0 %
Aux cooling coil losses to plenum: 0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Activate After Primary System	None
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People 100%
Aux cooling:		Available (100%)	Lights 100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads 100%
Aux heating:		Available (100%)	
Preheat:	100.0% of Design Capacity	Available (100%)	
Reheat:	100.0 % of Design Capacity	Available (100%)	
Humidification:	100.0 % of Design Capacity	Available (100%)	

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal const vol	4.0 in. wg	0.00032 kW/Cfm-in wg	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

ENTERED VALUES

Walls by Direction

By Honeywell Inc

Alternative 1

North (0 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R1 N	N Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	60.0	0.82	0.9500	Overhang - None	None
		1,200.0			**0.4376**			**60.0**	**0.82**	**0.9500**		

East (90 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R2 E	E Wall	1,144.8	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	57.2	0.82	0.9500	Overhang - None	None
		1,144.8			**0.4376**			**57.2**	**0.82**	**0.9500**		

South (180 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R3 S	S Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	60.0	0.82	0.9500	Overhang - None	None
		1,200.0			**0.4376**			**60.0**	**0.82**	**0.9500**		

West (270 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R4 W	W Wall	1,144.8	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	57.2	0.82	0.9500	Overhang - None	None
		1,144.8			**0.4376**			**57.2**	**0.82**	**0.9500**		

Total Area **4,689.6** **234.5**

ENTERED VALUES

Walls by Direction

By Honeywell Inc

Alternative 2

North (0 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R1 N	N Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	60.0	0.82	0.9500	Overhang - None	None
		1,200.0			**0.4376**			**60.0**	**0.82**	**0.9500**		

East (90 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R2 E	E Wall	1,144.8	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	57.2	0.82	0.9500	Overhang - None	None
		1,144.8			**0.4376**			**57.2**	**0.82**	**0.9500**		

South (180 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R3 S	S Wall	1,200.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	60.0	0.82	0.9500	Overhang - None	None
		1,200.0			**0.4376**			**60.0**	**0.82**	**0.9500**		

West (270 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R4 W	W Wall	1,144.8	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Single Clear 1/4*	57.2	0.82	0.9500	Overhang - None	None
		1,144.8			**0.4376**			**57.2**	**0.82**	**0.9500**		
Total Area		**4,689.6**						**234.5**				

PROJECT INFORMATION

Location	
Building owner	
Program user	
Company	
Comments	

By	**Honeywell**
Dataset name	**D:\PROJECTS\PORT ST LUCIE\BUILDING MODELLING\POLICE EVIDENCE BLDG\EVIDENCE-V4.TRC**
Calculation time	**02:21 PM on 01/24/2012**
TRACE® 700 version	**6.2.7**

Location	**West Palm Beach, Florida**	
Latitude	**26.7**	**deg**
Longitude	**80.2**	**deg**
Time Zone	**5**	
Elevation	**15**	**ft**
Barometric pressure	**29.9**	**in. Hg**
Air density	**0.0760**	**lb/cu ft**
Air specific heat	**0.2444**	**Btu/lb·°F**
Density-specific heat product	**1.1147**	**Btu/h·cfm·°F**
Latent heat factor	**4,906.9**	**Btu·min/h·cu ft**
Enthalpy factor	**4.5604**	**lb·min/hr·cu ft**
Summer design dry bulb	**92**	**°F**
Summer design wet bulb	**79**	**°F**
Winter design dry bulb	**45**	**°F**
Summer clearness number	**0.90**	
Winter clearness number	**0.95**	
Summer ground reflectance	**0.20**	
Winter ground reflectance	**0.20**	
Carbon Dioxide Level	**400**	**ppm**

Design simulation period	**January - December**
Cooling load methodology	**TETD-TA1**
Heating load methodology	**UATD**

MONTHLY ENERGY CONSUMPTION

By Honeywell

------ Monthly Energy Consumption ------

Utility		Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative: 1	**Police Evidence Building attached Bld-C**													
Electric														
	On-Pk Cons. (kWh)	17,066	15,933	20,845	21,896	24,467	27,150	28,672	30,544	27,037	23,216	19,858	18,658	275,343
	On-Pk Demand (kW)	70	74	67	74	77	88	91	95	89	74	67	60	95

Energy Consumption		
Building	98,506	Btu/(ft2-year)
Source	295,547	Btu/(ft2-year)
Floor Area	9,540	ft2

Environmental Impact Analysis	
CO2	967,703 lbm/year
SO2	2,746 gm/year
NOX	1,553 gm/year

Alternative: 2	Police Evidence Building Lighting ECM													
Electric														
	On-Pk Cons. (kWh)	15,406	14,687	18,901	20,074	22,502	25,174	26,768	28,464	25,175	21,254	18,030	16,887	253,322
	On-Pk Demand (kW)	70	75	62	68	72	82	85	89	83	69	61	54	89

Energy Consumption		
Building	90,628	Btu/(ft2-year)
Source	271,911	Btu/(ft2-year)
Floor Area	9,540	ft2

Environmental Impact Analysis	
CO2	890,312 lbm/year
SO2	2,526 gm/year
NOX	1,429 gm/year

ELECTRICAL PEAK CHECKSUMS

By Honeywell

Alternative 1 **Baseline**

Yearly Time of Peak: 16(Hr) 8(Month)

Equipment Description		Electrical Demand (kw)	Percent of Total (%)
Cooling Equipment			
Air-cooled unitary - 002		62.50	66.08
Air-cooled unitary - 001		4.12	4.36
	Sub total	66.62	70.44
Fan Equipment			
Sys 1: System - 001		16.45	17.39
	Sub total	16.45	17.39
Miscellaneous			
Misc Equipment		4.29	4.54
Base Utilities		0.00	0.00
Lights		7.21	7.63
	Sub total	11.50	12.17
	Total	94.57	100

Alternative 2 **Lighting ECM**

Yearly Time of Peak: 16(Hr) 8(Month)

Equipment Description		Electrical Demand (kw)	Percent of Total (%)
Cooling Equipment			
Air-cooled unitary - 002		60.30	68.05
Air-cooled unitary - 001		4.12	4.65
	Sub total	64.42	72.70
Fan Equipment			
Sys 1: System - 001		15.87	17.91
	Sub total	15.87	17.91
Miscellaneous			
Misc Equipment		4.29	4.84
Base Utilities		0.00	0.00
Lights		4.04	4.55
	Sub total	8.33	9.39
	Total	88.62	100

ENERGY CONSUMPTION SUMMARY

By Honeywell

	Elect Cons. (kWh)	% of Total Building Energy	Total Building Energy (kBtu/yr)	Total Source Energy* (kBtu/yr)
Alternative 1				
Primary heating				
Primary heating	658	0.2 %	2,246	6,739
Other Htg Accessories		0.0 %	0	0
Heating Subtotal	**658**	**0.2 %**	**2,246**	**6,739**
Primary cooling				
Cooling Compressor	77,648	28.2 %	265,012	795,116
Tower/Cond Fans	10,211	3.7 %	34,850	104,560
Condenser Pump		0.0 %	0	0
Other Clg Accessories	898	0.3 %	3,066	9,198
Cooling Subtotal....	**88,757**	**32.2 %**	**302,928**	**908,874**
Auxiliary				
Supply Fans	144,105	52.3 %	491,830	1,475,639
Pumps		0.0 %	0	0
Stand-alone Base Utilities		0.0 %	0	0
Aux Subtotal....	144,105	52.3 %	491,830	1,475,639
Lighting				
Lighting	26,217	9.5 %	89,480	268,466
Receptacle				
Receptacles	15,606	5.7 %	53,262	159,801
Cogeneration				
Cogeneration		0.0 %	0	0
Totals				
Totals**	**275,343**	**100.0 %**	**939,745**	**2,819,518**

* Note: Resource Utilization factors are included in the Total Source Energy value.

** Note: This report can display a maximum of 7 utilities. If additional utilities are used, they will be included in the total.

ENERGY CONSUMPTION SUMMARY

By Honeywell

	Elect Cons. (kWh)	% of Total Building Energy	Total Building Energy (kBtu/yr)	Total Source Energy* (kBtu/yr)
Alternative 2				
Primary heating				
Primary heating	912	0.4 %	3,111	9,334
Other Htg Accessories		0.0 %	0	0
Heating Subtotal	**912**	**0.4 %**	**3,111**	**9,334**
Primary cooling				
Cooling Compressor	72,705	28.7 %	248,141	744,499
Tower/Cond Fans	9,552	3.8 %	32,600	97,809
Condenser Pump		0.0 %	0	0
Other Clg Accessories	875	0.4 %	2,988	8,964
Cooling Subtotal....	**83,132**	**32.8 %**	**283,729**	**851,272**
Auxiliary				
Supply Fans	139,004	54.9 %	474,422	1,423,409
Pumps		0.0 %	0	0
Stand-alone Base Utilities		0.0 %	0	0
Aux Subtotal....	139,004	54.9 %	474,422	1,423,409
Lighting				
Lighting	14,669	5.8 %	50,066	150,213
Receptacle				
Receptacles	15,606	6.2 %	53,262	159,801
Cogeneration				
Cogeneration		0.0 %	0	0
Totals				
Totals**	**253,323**	**100.0 %**	**864,590**	**2,594,029**

* Note: Resource Utilization factors are included in the Total Source Energy value.
** Note: This report can display a maximum of 7 utilities. If additional utilities are used, they will be included in the total.

Energy Cost Budget / PRM Summary

By Honeywell

Project Name:	Date: January 24, 2012
City:	Weather Data: West Palm Beach, Florida

Note: The percentage displayed for the "Proposed/ Base %" column of the base case is actually the percentage of the total energy consumption.

* Denotes the base alternative for the ECB study.

		* Alt-1			Alt-2		
		Energy 10^6 Btu/yr	Proposed / Base %	Peak kBtuh	Energy 10^6 Btu/yr	Proposed / Base %	Peak kBtuh
Lighting - Conditioned	Electricity	89.5	10	26	50.1	56	15
Space Heating	Electricity	2.2	0	160	3.1	139	178
Space Cooling	Electricity	268.1	29	203	251.1	94	196
Heat Rejection	Electricity	34.8	4	25	32.6	94	24
Fans - Conditioned	Electricity	491.8	52	56	474.4	96	54
Receptacles - Conditioned	Electricity	53.3	6	15	53.3	100	15
Total Building Consumption		**939.7**			**864.6**		

		* Alt-1	Alt-2
Total	**Number of hours heating load not met**	0	3
	Number of hours cooling load not met	0	0

	* Alt-1			Alt-2		
	Energy 10^6 Btu/yr	Cost/yr	$/yr	Energy 10^6 Btu/yr	Cost/yr	$/yr
Electricity	939.7	24,957		864.6	23,169	
Total	**940**	**24,957**		**865**	**23,169**	

MONTHLY UTILITY COSTS

By Honeywell

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
	------ Monthly Utility Costs -------												
Alternative 1													
Electric													
On-Pk Cons. ($)	978	913	1,194	1,255	1,402	1,556	1,643	1,750	1,549	1,330	1,138	1,069	15,777
Off-Pk Cons. ($)	16	16	16	16	16	16	16	16	16	16	16	16	197
On-Pk Demand ($)	677	715	655	716	750	853	886	919	863	723	646	580	8,982
Total ($):	1,671	1,644	1,866	1,987	2,168	2,425	2,545	2,686	2,429	2,069	1,801	1,666	24,957
Monthly Total ($):	1,671	1,644	1,866	1,987	2,168	2,425	2,545	2,686	2,429	2,069	1,801	1,666	24,957

Building Area = 9,540 ft²

Utility Cost Per Area = 2.62 $/ft²

Alternative 2													
Electric													
On-Pk Cons. ($)	883	842	1,083	1,150	1,289	1,442	1,534	1,631	1,443	1,218	1,033	968	14,515
Off-Pk Cons. ($)	16	16	16	16	16	16	16	16	16	16	16	16	197
On-Pk Demand ($)	684	732	600	661	696	796	829	861	806	669	594	528	8,457
Total ($):	1,583	1,590	1,699	1,828	2,002	2,255	2,380	2,509	2,265	1,903	1,643	1,512	23,169
Monthly Total ($):	1,583	1,590	1,699	1,828	2,002	2,255	2,380	2,509	2,265	1,903	1,643	1,512	23,169

Building Area = 9,540 ft²

Utility Cost Per Area = 2.43 $/ft²

Economic Summary

Project Information

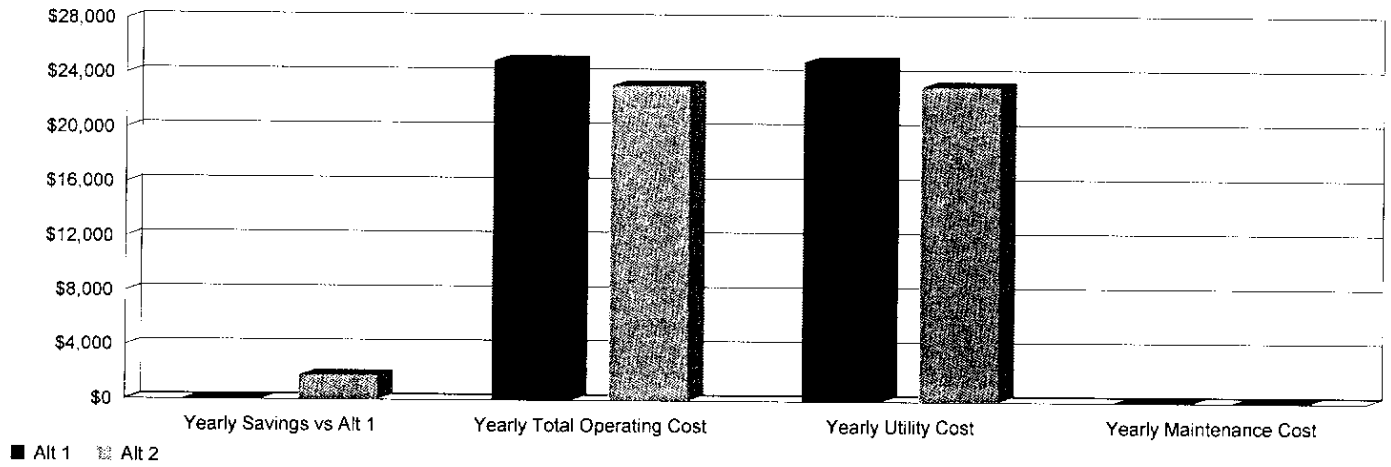
Location
Project Name
User
Company
Comments

Study Life: 20 years
Cost of Capital: 10 %
Alternative 1: Police Evidence Building attached Bld-C
Alternative 2: Police Evidence Building Lighting ECM

Economic Comparison of Alternatives

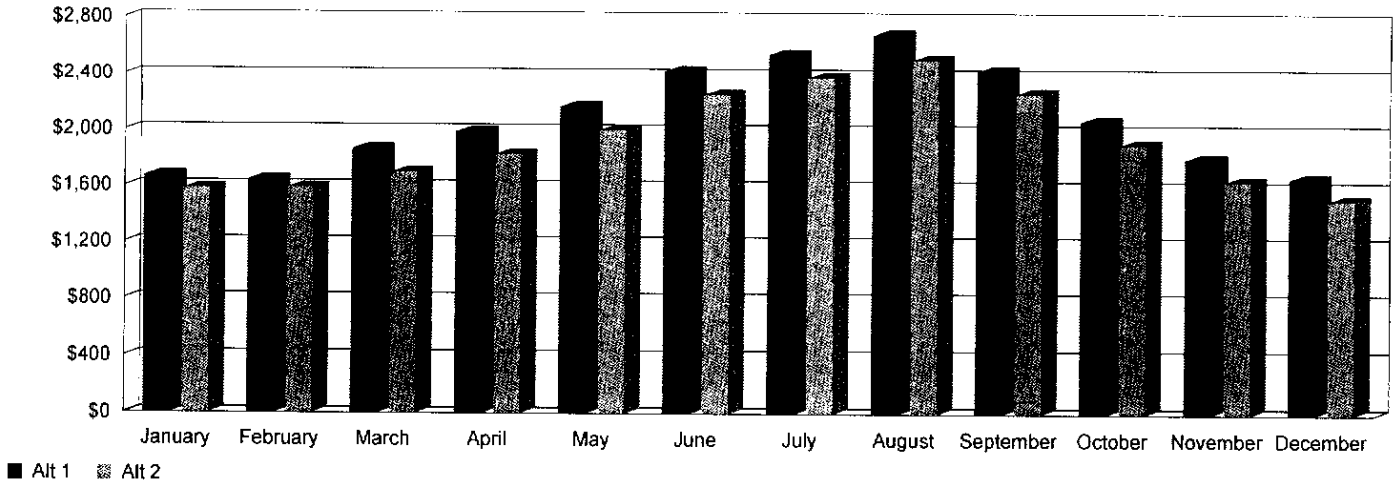
	Yearly Savings ($)	First Cost Difference ($)	Cumulative Cash Flow Difference ($)	Simple Payback (yrs.)	Net Present Value ($)	Life Cycle Payback (yrs.)	Internal Rate of Return (%)	Life Cycle Cost
Alt 1 vs Alt 2	-1,787	0	-35,750	No Payback	-15,218	No Payback	Does Not Payback	-15,217.91

Annual Operating Costs



	Yearly Savings vs Alt 1	Yearly Total Operating Cost ($)	Yearly Utility Cost ($)	Yearly Maintenance Cost ($)	Plant kWh/ton-hr
Alt 1	0	24,957	24,957	0	0.000
Alt 2	1,787	23,169	23,169	0	0.000

Monthly Utility Costs



Campus High Efficiency Plant

	$355,484	3,980,811	1,208

Baseline Energy Consumption (Data from Trace Model)

	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec	Totals
City Hall Building A													
On-Pk Cons. ($)	$8,173.25	$7,755.77	$9,762.87	$9,748.88	$10,121.72	$10,655.67	$10,998.84	$11,805.61	$10,585.10	$10,098.11	$8,917.86	$8,605.63	$117,229.31
Off-Pk Cons. ($)	$16.44	$16.44	$16.44	$16.44	$16.44	$16.44	$16.44	$16.44	$16.44	$16.44	$16.44	$16.44	$197.28
On-Pk Demand ($)	$4,567.86	$4,583.89	$5,298.70	$5,598.53	$5,877.35	$6,289.31	$6,335.17	$6,395.25	$6,293.90	$5,711.51	$5,321.73	$5,018.22	$67,291.42
Total ($):	$12,757.55	$12,356.10	$15,078.01	$15,363.85	$16,015.51	$16,961.43	$17,350.45	$18,217.30	$16,895.44	$15,826.06	$14,256.03	$13,640.30	$184,718.01
On-Pk Cons. (kWh)	142,640	135,354	170,382	170,137	176,644	185,963	191,952	206,032	184,731	176,232	155,635	150,186	2,045,887
On-Pk Demand (kW)	470	472	545	576	605	647	652	658	648	588	548	516	658

	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec	Totals
City Hall Building B													
On-Pk Cons. ($)	$1,513.17	$1,563.92	$1,931.60	$1,894.08	$2,181.35	$2,500.34	$2,391.77	$2,756.05	$2,271.59	$2,071.31	$1,759.59	$1,570.69	$24,405.46
Off-Pk Cons. ($)	$16.44	$16.44	$16.44	$16.44	$16.44	$16.44	$16.44	$16.44	$16.44	$16.44	$16.44	$16.44	$197.28
On-Pk Demand ($)	$1,501.37	$1,531.77	$1,856.52	$1,909.78	$1,941.68	$2,119.43	$2,192.56	$2,278.24	$2,196.26	$1,984.49	$1,855.71	$1,656.15	$23,023.96
Total ($):	$3,030.98	$3,112.13	$3,804.56	$3,820.30	$4,139.47	$4,636.20	$4,600.78	$5,050.73	$4,484.29	$4,072.24	$3,631.74	$3,243.28	$47,626.70
On-Pk Cons. (kWh)	26,408	27,294	33,710	33,056	38,069	43,636	41,741	48,099	39,644	36,149	30,708	27,412	425,924
On-Pk Demand (kW)	154	158	191	196	200	218	226	234	226	204	191	170	234

	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec	Totals
City Hall Building C													
On-Pk Cons. ($)	$7,236	$6,878	$7,401	$7,264	$7,671	$7,856	$8,207	$8,343	$7,839	$7,560	$7,086	$7,200	$90,540
Off-Pk Cons. ($)	$16	$16	$16	$16	$16	$16	$16	$16	$16	$16	$16	$16	$197
On-Pk Demand ($)	$2,301	$2,307	$2,564	$2,572	$2,611	$2,843	$2,920	$3,067	$3,040	$2,859	$2,745	$2,572	$32,402
Total ($):	$9,554	$9,201	$9,981	$9,853	$10,299	$10,715	$11,144	$11,426	$10,896	$10,435	$9,848	$9,788	$123,140
On-Pk Cons. (kWh)	120,602	114,628	123,354	121,061	127,848	130,930	136,786	139,049	130,645	126,002	118,102	119,993	1,509,000
On-Pk Demand (kW)	237	237	264	265	269	293	300	316	313	294	282	265	316

	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec	Totals
Totals													
On-Pk Cons. ($)	$16,923	$16,197	$19,096	$18,907	$19,974	$21,012	$21,598	$22,905	$20,695	$19,730	$17,764	$17,376	$232,175
Off-Pk Cons. ($)	$49	$49	$49	$49	$49	$49	$49	$49	$49	$49	$49	$49	$592
On-Pk Demand ($)	$8,370	$8,423	$9,719	$10,081	$10,430	$11,252	$11,448	$11,740	$11,531	$10,555	$9,923	$9,246	$122,718
Total ($):	**$25,342**	**$24,669**	**$28,864**	**$29,037**	**$30,454**	**$32,313**	**$33,095**	**$34,694**	**$32,275**	**$30,334**	**$27,736**	**$26,671**	**$355,484**
On-Pk Cons. (kWh)	289,649	277,275	327,446	324,254	342,561	360,529	370,479	393,179	355,020	338,383	304,445	297,590	3,980,811
On-Pk Demand (kW)	861	867	1,000	1,037	1,073	1,158	1,178	1,208	1,186	1,086	1,021	951	1,208

High Efficiency

Chiller Plant

High Eff. Plant	$232,101	2,633,682	880
Savings	$123,383	1,347,129	328

Buildings' Energy Cost (Date from Trace Model)

	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec	Totals
Lights													
Electric (kWh)	61173.3	55288.47	63349.22	58849.12	62261.31	61024.94	60085.41	63349.22	58849.12	62261.32	59937.02	60085.41	726513.88
Peak (kW)	138.94	138.94	138.94	138.94	138.94	138.94	138.94	138.94	138.94	138.94	138.94	138.94	138.94
Misc. Ld													
Electric (kWh)	45989.74	41548.14	46547.69	44416.25	46268.75	44974.16	45710.76	46547.69	44416.23	46268.75	44695.22	45710.73	543094.12
Peak (kW)	76.36	76.36	76.36	76.36	76.36	76.36	76.36	76.36	76.36	76.36	76.36	76.36	76.36
Hpl 1: Heating plant 004 (Sum of dsn coil capacities=1,249 mbh]													
Electric Resistance - 001 [Nominal Capacity/F.L.Rate=1,249 mbh / 366.0 kW] (Heating Equipment)													
Electric (kWh)	26219.88	40231.83	7722.09	2912.41	0	0	0	0	0	2671.59	5942.02	8575.7	94275.52
Peak (kW)	91.27	174.17	56.7	15.24	0	0	0	0	0	12.6	44.63	43.33	174.17
Sys 1: AHU Second FL													
FC Centrifugal var freq drv [DsnAirflow/F.L.Rate=19,013 cfm / 14.91 kW] (Main Clg Fan)													
Electric (kWh)	4121.13	3853.18	4355.61	4250.04	4460.12	4493.54	4643.45	4651.14	4500.9	4483.79	4176.65	4272.22	52261.77
Peak (kW)	12.67	12.2	11.77	10.26	10.42	11.13	10.99	11.62	13.18	14.63	14.96	14.41	14.96
Sys 2: AHU 1 First FL													
FC Centrifugal var freq drv [DsnAirflow/F.L.Rate=19,013 cfm / 18.64 kW] (Main Clg Fan)													
Electric (kWh)	5151.42	4816.47	5444.51	5312.55	5575.15	5616.92	5804.31	5813.92	5626.13	5604.74	5220.81	5340.28	65327.2
Peak (kW)	15.84	15.24	14.71	12.82	13.02	13.92	13.74	14.53	16.48	18.28	18.7	18.01	18.7
Sys 3: AHU Third FL													
FC Centrifugal const vol [DsnAirflow/F.L.Rate=20,503 cfm / 14.91 kW] (Main Clg Fan)													
Electric (kWh)	6040.33	5617.39	6393.28	6328.52	6659.83	6679.05	6929.05	6907.38	6595.12	6518.33	6074.35	6209.22	76951.84
Peak (kW)	14.04	14.15	14	13.3	13.27	13.7	13.69	14.03	14.66	14.91	14.91	14.3	14.91
Sys 4: 2- System - 001													
AF Centrifugal var freq drv [DsnAirflow/F.L.Rate=103,554 cfm / 75.94 kW] (Main Clg Fan)													
Electric (kWh)	17999.82	17467.36	19944.32	19267.59	20074.18	20031.1	20219.53	20988.02	19270.98	19079.45	17675.84	17953.04	229971.23
Peak (kW)	71.15	75.24	76.18	76.18	74.59	76.18	76.18	76.18	76.18	76.18	68.42	64.83	76.18
Sys 5: 3- System - 001													
FC Centrifugal var freq drv [DsnAirflow/F.L.Rate=25,086 cfm / 29.35 kW] (Main Clg Fan)													
Electric (kWh)	1438.77	1550.11	2519.8	2674.34	3186.29	3941.52	3802.01	4406.54	3588.52	2952.83	2202.74	1826.92	34090.41
Peak (kW)	18.94	19.65	23.3	27.42	29.45	29.45	29.45	29.45	29.45	29.45	23.53	21.35	29.45

Total $	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec	Totals
On Pk Demand. ($)	$4,269.12	$5,112.23	$4,004.25	$3,601.45	$3,460.81	$3,496.09	$3,492.88	$3,509.99	$3,550.23	$3,706.72	$3,892.37	$3,805.67	$45,901.83
On-Pk Cons. ($)	$8,601.21	$8,759.96	$7,810.47	$7,146.54	$7,356.69	$7,260.37	$7,274.40	$7,543.71	$7,079.67	$7,491.32	$7,347.37	$7,563.45	$91,235.17
Total ($):	**$12,870.33**	**$13,872.20**	**$11,814.72**	**$10,747.99**	**$10,817.50**	**$10,756.46**	**$10,767.28**	**$11,053.70**	**$10,629.90**	**$11,198.04**	**$11,239.75**	**$11,369.12**	**$137,136.99**
On-Pk Cons. (kWh)	150,135	152,906	136,332	124,743	128,411	126,730	126,975	131,676	123,576	130,761	128,249	132,020	1,592,515
On-Pk Cons. (kW)	439	526	412	371	356	360	359	361	365	381	400	392	544

High Efficiency Plant Energy Cost (Data from Trace Model)

	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec	Totals
Cpl 1: Cooling plant - 003 (Sum of dsn coil capacities=520.5 tons]													
Water-cooled chiller - 001 [Clg Nominal Capacity/F.L.Rate=270 tons / 84.51 kW] (Cooling Equipment)													
Electric (kWh)	26421.34	24496.8	31353.69	30763.71	32277.12	34478.37	36933.65	37770.79	34558.72	32315.23	28555.25	30674.78	380599.47
Peak (kW)	75.71	75.51	76.5	81.2	68.32	78.63	81.53	80.89	81.65	79.64	79.33	74.45	81.65
Cooling tower for Cent. Chillers [Design Heat Rejection/F.L.Rate=294.0 tons / 19.41 kW]													
Electric (kWh)	14438.37	12909.97	14438.38	13972.61	14438.38	13972.63	14438.36	14438.38	13972.6	14438.37	13972.62	14438.35	169869
Peak (kW)	19.41	19.41	19.41	19.41	19.41	19.41	19.41	19.41	19.41	19.41	19.41	19.41	19.41
Cooling tower for Cent. Chillers													
Make Up Water (1000gal)	293.62	275.5	350.58	341.43	357.07	376.91	400.72	408.94	376.18	356.82	313.55	340.96	4192.29
Peak (1000gal/Hr)	0.91	0.91	0.89	0.93	0.81	0.89	0.91	0.89	0.91	0.92	0.93	0.88	0.93
Cnst vol chill water pump (Misc Accessory Equipment)													
Electric (kWh)	18493.43	16703.71	18493.41	17896.83	18493.41	17896.85	18493.39	18493.41	17896.83	18493.38	17896.84	18493.4	217744.89
Peak (kW)	24.86	24.86	24.86	24.86	24.86	24.86	24.86	24.86	24.86	24.86	24.86	24.86	24.86
Var vol chill water pump (Misc Accessory Equipment)													
Electric (kWh)	3125.23	3088.13	4212.34	3884.52	3967.83	4556.96	4932.48	5129.61	4474.11	4052.26	3397.38	4331.58	49152.44
Peak (kW)	18.6	18.71	17.49	19.65	13.9	17.65	18.44	17.54	18.57	18.89	19.67	16.92	19.67
Cntl panel & interlocks - 1 KW (Misc Accessory Equipment)													
Electric (kWh)	744	672	744	720	744	720	744	744	720	744	720	744	8760
Peak (kW)	1	1	1	1	1	1	1	1	1	1	1	1	1
Cpl 1: Cooling plant 003 (Sum of dsn coil capacities=520.5 tons]													
Var vol chill water pump (Cooling Plant Circulation Pump)													
Electric (kWh)	3274.85	3083.21	4621.12	5019.89	5656.79	6518.43	6800.69	7490.65	6349.53	5222.32	4220.22	3868.43	62126.13
Peak (kW)	17.8	19.27	27.59	30.08	31.37	38.48	40.92	43.84	40.98	32.22	27.3	22.14	43.84
Water-cooled chiller - 002 [Clg Nominal Capacity/F.L.Rate=270 tons / 84.51 kW] (Cooling Equipment)													
Electric (kWh)	0	0	4102.41	6650.47	8775.01	9992.82	9519.65	11313.27	9190.28	6686.46	4605.16	0	70835.53
Peak (kW)	49.12	50.66	61.17	64.57	66.4	74.93	77.83	80.89	77.43	67.03	61.42	55.3	80.89
Cooling tower for Cent. Chillers [Design Heat Rejection/F.L.Rate=294.0 tons / 19.41 kW]													
Electric (kWh)	0	0	1785.39	2716.89	3415.52	3415.52	3105.02	3570.77	3105.02	2658.67	2037.67	0	25810.48
Peak (kW)	19.41	19.41	19.41	19.41	19.41	19.41	19.41	19.41	19.41	19.41	19.41	19.41	19.41
Cooling tower for Cent. Chillers													
Make Up Water (1000gal)	0	0	46.48	75.37	98.76	111.5	105.56	124.98	102.41	75.57	51.53	0	792.17
Peak (1000gal/Hr)	0.59	0.61	0.73	0.76	0.77	0.84	0.87	0.89	0.87	0.78	0.72	0.66	0.89
Cnst vol chill water pump (Misc Accessory Equipment)													
Electric (kWh)	0	0	2286.82	3479.94	4374.78	4374.78	3977.08	4573.64	3977.08	3405.37	2609.96	0	33059.45
Peak (kW)	24.86	24.86	24.86	24.86	24.86	24.86	24.86	24.86	24.86	24.86	24.86	24.86	24.86
Cnst vol cnd water pump - Low Eff (Misc Accessory Equipment)													
Electric (kWh)	0	0	1829.45	2783.95	3499.83	3499.83	3181.66	3658.91	3181.66	2724.3	2087.96	0	26447.56
Peak (kW)	19.89	19.89	19.89	19.89	19.89	19.89	19.89	19.89	19.89	19.89	19.89	19.89	19.89
Cntl panel & interlocks 1 KW (Misc Accessory Equipment)													
Electric (kWh)	0	0	92	140	176	176	160	184	160	137	105	0	1330
Peak (kW)	1	1	1	1	1	1	1	1	1	1	1	1	1

Total	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec	Totals
s													
On-Pk Demand ($)	2,641	2,669	2,850	2,974	2,823	3,112	3,199	3,242	3,198	2,996	2,898	2,714	35,316
On-Pk Cons. ($)	3,784	3,469	4,787	5,021	5,467	5,687	5,840	6,132	5,571	5,184	4,572	4,133	59,648
Total ($):	**6,424**	**6,138**	**7,637**	**7,995**	**8,290**	**8,798**	**9,040**	**9,374**	**8,769**	**8,180**	**7,470**	**6,848**	**94,964**
On-Pk Cons. (kWh)	66047	60557	83566	87650	95432	99259	101943	107032	97242	90490	79802	72148	1041167
On-Pk Cons. (kW)	272	275	293	306	290	320	329	334	329	308	298	279	336

		[redacted]	
	Building		Notes
2613197207	City Hall A		remains the same
1438109288	City Hall B		Renegotiate Rate with FP&L (ice plant at this bldg)
3890326600	Police Dept., Bldg C		remains the same

General Data											
Building Area	Conversions				Motor Efficiency	Water Density	Peak Cooling Load	Peak Cooling Load	Equivalent Full Load Hours	Annual Cooling	VFD Efficiency
SF	GPM*F/Tons	MBH/Ton	MBH/KW	kW/BHP	%	lb/cf	SF/ton	Tons	Hours	Ton-hrs	%
EEE	FFF	GGG	HHH	III	JJJ	KKK	LLL	MMM	NNN	OOO	PPP
155,306	24	12	3.413	0.746	93%	62.3	200	500	1200	600,000	97%

New Cooling Tower																											
CHW Flow GPM	EWT F	LWT F	Cooling Load Tons	CW Flow GPM	EWT	LWT	Water Temp Lift F	Total Lift F	Specific Efficiency kW/ton-F	Chiller Efficiency kW/ton	Chiller Power kW	Heat Rejection MBH	Heat Rej Check MBH	Blowdown %	Water Use lb/hr	Water Use - weighted ccf/ton	CT Power BHP	CT On-time %	CWP Power BHP	CWP Power kW	Total Power kW	Weighting %	Weighted Power kW	Weighted Cooling Tons
BB	CC	DD	EE	FF	GG	HH	II	JJ	KK	LL	MM	NN	OO	PP	QQ	RR	SS	TT	UU	VV	WW	XX	YY	ZZ
			B*(C-D)/FFF			Adjust to balance	H-D	I+4	Assume	J*K	F*L	E*GGG+M*H	F*(H-G)/2-N	Assume	N+1-P	Q/KKK/100	Given	Assume	Given	U*III/JJJ	M+S*T+V	Assume	W*X	X*Y
1,000	50.0	40.0	417	5,000	87.0	95.2	55.22	59.22	0.0120	0.71	296	6,011	14,539	20%	7,213	0.00028	175	100%	115	92.25	510	10%	50.98	42
800	50.0	41.0	300	5,000	81.0	86.8	45.76	49.76	0.0120	0.60	179	4,211	10,189	20%	5,054	0.00095	175	90%	115	92.25	381	35%	133.23	105
600	50.0	42.0	200	5,000	75.0	78.8	36.78	40.78	0.0130	0.53	106	2,762	6,688	20%	3,314	0.00093	175	80%	115	92.25	295	35%	103.39	70
400	50.0	43.0	117	5,000	75.0	77.3	34.27	38.27	0.0170	0.65	76	1,659	4,016	20%	1,991	0.00055	175	40%	115	92.25	217	20%	43.34	23
																0.00270						100%	330.94	240

	Existing				
Chilled Water Production Ton-hrs	Annual Electric Energy kWh	Annual Water Use ccf	Annual Water Use gallons	Annual Water Cost $	Cost of Water $/1000gal
BX	CX	DX			
OOO	CX*YY/ZZ	CX*RR			$ 5.72
600,000	827,348	1,622	1,261,772	$ 7,217	

NOTE: Spreadsheet used for additional water consumption by addition of cooling towers only

Water Consumption penaly is: $ 7,217

PROJECT INFORMATION

Location	
Building owner	
Program user	
Company	
Comments	

By	**Honeywell**
Dataset name	**D:\PROJECTS\PORT ST LUCIE\BUILDING MODELLING\CITY HALL CAMPUS SOLUTIONS\HIGH EFFICIENCY CHILLER PLANT**
Calculation time	**04:11 PM on 01/23/2012**
TRACE® 700 version	**6.2.7**
Location	**West Palm Beach, Florida**
Latitude	**26.7 deg**
Longitude	**80.2 deg**
Time Zone	**5**
Elevation	**15 ft**
Barometric pressure	**29.9 in. Hg**
Air density	**0.0760 lb/cu ft**
Air specific heat	**0.2444 Btu/lb·°F**
Density-specific heat product	**1.1147 Btu/h·cfm·°F**
Latent heat factor	**4,906.9 Btu·min/h·cu ft**
Enthalpy factor	**4.5604 lb·min/hr·cu ft**
Summer design dry bulb	**92 °F**
Summer design wet bulb	**79 °F**
Winter design dry bulb	**45 °F**
Summer clearness number	**0.90**
Winter clearness number	**0.95**
Summer ground reflectance	**0.20**
Winter ground reflectance	**0.20**
Carbon Dioxide Level	**400 ppm**
Design simulation period	**January - December**
Cooling load methodology	**TETD-TA1**
Heating load methodology	**UATD**

ELECTRICAL PEAK CHECKSUMS

By Honeywell

Alternative 1 **Baseline**

Yearly Time of Peak: 17(Hr) 8(Month)

Equipment Description		Electrical Demand (kw)	Percent of Total (%)
Cooling Equipment			
Air-cooled chiller - 002		86.61	7.35
2- Air-cooled chiller - 001		231.77	19.68
2- Air-cooled chiller - 002		216.91	18.42
3- Air-cooled chiller - 001		84.16	7.15
3- Air-cooled chiller - 002		79.54	6.75
Air-cooled chiller - 001		120.16	10.20
	Sub total	819.15	69.55
Fan Equipment			
Sys 1: AHU Second FL		11.62	0.99
Sys 2: AHU 1 First FL		14.53	1.23
Sys 3: AHU Third FL		14.03	1.19
Sys 4: 2- System - 001		75.92	6.45
Sys 5: 3- System - 001		27.17	2.31
	Sub total	143.27	12.17
Miscellaneous			
Base Utilities		0.00	0.00
Lights		138.94	11.80
Misc Equipment		76.36	6.48
	Sub total	215.30	18.28
	Total	1,177.72	100

Alternative 2 **Campus CHW Plant**

Yearly Time of Peak: 17(Hr) 8(Month)

Equipment Description		Electrical Demand (kw)	Percent of Total (%)
Cooling Equipment			
Water-cooled chiller - 001		187.53	27.09
Water-cooled chiller - 002		146.04	21.10
	Sub total	333.57	48.19
Fan Equipment			
Sys 1: AHU Second FL		11.62	1.68
Sys 2: AHU 1 First FL		14.53	2.10
Sys 3: AHU Third FL		14.03	2.03
Sys 4: 2- System - 001		75.92	10.97
Sys 5: 3- System - 001		27.17	3.93
	Sub total	143.27	20.71
Miscellaneous			
Misc Equipment		76.36	11.03
Lights		138.94	20.07

ELECTRICAL PEAK CHECKSUMS

By Honeywell

Base Utilities	0.00	0.00
Sub total	215.30	31.10
Total	692.14	100

MONTHLY ENERGY CONSUMPTION

By Honeywell

------- Monthly Energy Consumption -------

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative: 1 **Baseline**													
Electric													
On-Pk Cons. (kWh)	279,422	274,411	313,919	314,730	337,874	358,500	370,473	390,845	351,464	327,721	290,846	281,712	3,891,917
On-Pk Demand (kW)	826	854	1,014	1,052	1,064	1,125	1,148	1,178	1,153	1,086	1,002	903	1,178

Energy Consumption			Environmental Impact Analysis	
Building	85,585	Btu/(ft2-year)	CO2	222,529,040 lbm/year
Source	256,780	Btu/(ft2-year)	SO2	631,408 gm/year
			NOX	357,065 gm/year
Floor Area	155,204	ft2		

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative: 2 **Campus CHW Plant**													
Electric													
On-Pk Cons. (kWh)	234,632	231,327	240,235	232,040	244,304	246,363	249,481	260,031	240,433	240,718	226,133	222,524	2,868,220
On-Pk Demand (kW)	581	591	627	632	633	664	674	692	684	649	621	594	692
Water													
Cons. (1000gal)	294	276	397	417	456	488	506	534	479	432	365	341	4,984

Energy Consumption			Environmental Impact Analysis	
Building	63,073	Btu/(ft2-year)	CO2	163,996,880 lbm/year
Source	189,239	Btu/(ft2-year)	SO2	465,328 gm/year
			NOX	263,146 gm/year
Floor Area	155,204	ft2		

ENERGY CONSUMPTION SUMMARY

By Honeywell

	Elect Cons. (kWh)	% of Total Building Energy	Total Building Energy (kBtu/yr)	Total Source Energy* (kBtu/yr)
Alt 1 - Baseline				
Primary heating				
Primary heating	94,276	2.4 %	321,762	965,383
Other Htg Accessories		0.0 %	0	0
Heating Subtotal	**94,276**	**2.4 %**	**321,762**	**965,383**
Primary cooling				
Cooling Compressor	1,657,365	42.6 %	5,656,587	16,971,458
Tower/Cond Fans	159,653	4.1 %	544,896	1,634,851
Condenser Pump		0.0 %	0	0
Other Clg Accessories	2,426	0.1 %	8,279	24,838
Cooling Subtotal....	**1,819,444**	**46.8 %**	**6,209,762**	**18,631,146**
Auxiliary				
Supply Fans	458,602	11.8 %	1,565,210	4,696,100
Pumps	249,988	6.4 %	853,208	2,559,880
Stand-alone Base Utilities		0.0 %	0	0
Aux Subtotal....	708,590	18.2 %	2,418,418	7,255,980
Lighting				
Lighting	726,514	18.7 %	2,479,592	7,439,519
Receptacle				
Receptacles	543,094	14.0 %	1,853,580	5,561,297
Cogeneration				
Cogeneration		0.0 %	0	0
Totals				
Totals**	**3,891,918**	**100.0 %**	**13,283,114**	**39,853,328**

* Note: Resource Utilization factors are included in the Total Source Energy value.
** Note: This report can display a maximum of 7 utilities. If additional utilities are used, they will be included in the total.

ENERGY CONSUMPTION SUMMARY

By Honeywell

	Elect Cons. (kWh)	Water Cons. (1000 gals)	% of Total Building Energy	Total Building Energy (kBtu/yr)	Total Source Energy* (kBtu/yr)
Alt 2 - Campus Plant					
Primary heating					
Primary heating	94,276		3.3 %	321,762	965,384
Other Htg Accessories			0.0 %	0	0
Heating Subtotal	**94,276**		**3.3 %**	**321,762**	**965,384**
Primary cooling					
Cooling Compressor	451,435		15.7 %	1,540,748	4,622,705
Tower/Cond Fans	195,679	4,984	6.8 %	667,854	2,003,763
Condenser Pump	75,600		2.6 %	258,023	774,146
Other Clg Accessories	10,090		0.4 %	34,437	103,322
Cooling Subtotal....	**732,805**	**4,984**	**25.6 %**	**2,501,062**	**7,503,936**
Auxiliary					
Supply Fans	458,602		16.0 %	1,565,210	4,696,100
Pumps	312,930		10.9 %	1,068,032	3,204,416
Stand-alone Base Utilities			0.0 %	0	0
Aux Subtotal....	771,533		26.9 %	2,633,242	7,900,516
Lighting					
Lighting	726,514		25.3 %	2,479,592	7,439,519
Receptacle					
Receptacles	543,094		18.9 %	1,853,580	5,561,297
Cogeneration					
Cogeneration			0.0 %	0	0
Totals					
Totals**	**2,868,221**	**4,984**	**100.0 %**	**9,789,238**	**29,370,650**

* Note: Resource Utilization factors are included in the Total Source Energy value.
** Note: This report can display a maximum of 7 utilities. If additional utilities are used, they will be included in the total.

City Hall C New Chillers

PROJECT INFORMATION

Location	
Building owner	
Program user	
Company	
Comments	

By	**Honeywell**
Dataset name	**D:\PROJECTS\PORT ST LUCIE\BUILDING MODELLING\CITY HALL C\CITY HALL C NEW CHILLERS.TRC**

Calculation time	**01:54 PM on 01/24/2012**	
TRACE® 700 version	**6.2.7**	
Location	**West Palm Beach, Florida**	
Latitude	**26.7**	**deg**
Longitude	**80.2**	**deg**
Time Zone	**5**	
Elevation	**15**	**ft**
Barometric pressure	**29.9**	**in. Hg**
Air density	**0.0760**	**lb/cu ft**
Air specific heat	**0.2444**	**Btu/lb·°F**
Density-specific heat product	**1.1147**	**Btu/h·cfm·°F**
Latent heat factor	**4,906.9**	**Btu·min/h·cu ft**
Enthalpy factor	**4.5604**	**lb·min/hr·cu ft**
Summer design dry bulb	**92**	**°F**
Summer design wet bulb	**79**	**°F**
Winter design dry bulb	**45**	**°F**
Summer clearness number	**0.90**	
Winter clearness number	**0.95**	
Summer ground reflectance	**0.20**	
Winter ground reflectance	**0.20**	
Carbon Dioxide Level	**400**	**ppm**
Design simulation period	**January - December**	
Cooling load methodology	**TETD-TA1**	
Heating load methodology	**UATD**	

MONTHLY ENERGY CONSUMPTION

By Honeywell

------- Monthly Energy Consumption -------

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative: 1	**New Baseline**												
Electric													
On-Pk Cons. (kWh)	119,694	113,783	122,284	119,955	126,631	129,583	135,379	137,558	129,308	124,825	117,073	118,991	1,495,065
On-Pk Demand (kW)	233	234	259	260	264	287	294	309	306	288	277	260	309

Energy Consumption		
Building	115,927	Btu/(ft2-year)
Source	347,817	Btu/(ft2-year)
Floor Area	44,016	ft2

Environmental Impact Analysis	
CO2	24,243,244 lbm/year
SO2	68,788 gm/year
NOX	38,900 gm/year

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative: 2	**New Air Cooled Chillers**												
Electric													
On-Pk Cons. (kWh)	105,511	100,633	104,659	102,468	108,962	110,875	115,139	117,128	110,429	107,414	100,063	102,787	1,286,066
On-Pk Demand (kW)	210	210	229	228	231	249	255	266	265	253	245	231	266

Energy Consumption		
Building	99,722	Btu/(ft2-year)
Source	299,195	Btu/(ft2-year)
Floor Area	44,016	ft2

Environmental Impact Analysis	
CO2	20,854,224 lbm/year
SO2	59,172 gm/year
NOX	33,462 gm/year

Project Name:
Dataset Name: CITY HALL C NEW CHILLERS.TRC

TRACE® 700 v6.2.7 calculated at 01:54 PM on 01/24/2012
Alternative - 2 Monthly Energy Consumption report Page 1 of 1

ELECTRICAL PEAK CHECKSUMS

By Honeywell

Alternative 1 **New Baseline**

Yearly Time of Peak: 16(Hr) 8(Month)

Equipment Description		Electrical Demand (kw)	Percent of Total (%)
Cooling Equipment			
Air-cooled chiller - 002		83.95	27.19
Air-cooled chiller - 001		116.30	37.68
	Sub total	200.25	64.87
Fan Equipment			
Sys 1: AHU Second FL		11.47	3.72
Sys 2: AHU 1 First FL		14.34	4.65
Sys 3: AHU Third FL		13.97	4.52
	Sub total	39.78	12.89
Miscellaneous			
Lights		46.66	15.11
Misc Equipment		22.01	7.13
Base Utilities		0.00	0.00
	Sub total	68.67	22.24
	Total	308.70	100

Alternative 2 **New Air Cooled Chillers**

Yearly Time of Peak: 16(Hr) 8(Month)

Equipment Description		Electrical Demand (kw)	Percent of Total (%)
Cooling Equipment			
Air-cooled chiller - 001		73.68	27.69
Air-cooled chiller - 002		83.95	31.55
	Sub total	157.63	59.24
Fan Equipment			
Sys 1: AHU Second FL		11.47	4.31
Sys 2: AHU 1 First FL		14.34	5.39
Sys 3: AHU Third FL		13.97	5.25
	Sub total	39.78	14.95
Miscellaneous			
Misc Equipment		22.01	8.27
Lights		46.66	17.53
Base Utilities		0.00	0.00
	Sub total	68.67	25.80
	Total	266.08	100

ENERGY CONSUMPTION SUMMARY

By Honeywell

	Elect Cons. (kWh)	% of Total Building Energy	Total Building Energy (kBtu/yr)	Total Source Energy* (kBtu/yr)
Alternative 1				
Primary heating				
Primary heating	32,079	2.2 %	109,485	328,487
Other Htg Accessories		0.0 %	0	0
Heating Subtotal	**32,079**	**2.2 %**	**109,485**	**328,487**
Primary cooling				
Cooling Compressor	515,657	34.5 %	1,759,937	5,280,338
Tower/Cond Fans	53,334	3.6 %	182,030	546,144
Condenser Pump		0.0 %	0	0
Other Clg Accessories	966	0.1 %	3,296	9,889
Cooling Subtotal....	**569,957**	**38.1 %**	**1,945,262**	**5,836,371**
Auxiliary				
Supply Fans	194,252	13.0 %	662,981	1,989,141
Pumps	97,273	6.5 %	331,991	996,073
Stand-alone Base Utilities		0.0 %	0	0
Aux Subtotal....	291,524	19.5 %	994,972	2,985,213
Lighting				
Lighting	408,715	27.3 %	1,394,944	4,185,249
Receptacle				
Receptacles	192,790	12.9 %	657,993	1,974,176
Cogeneration				
Cogeneration		0.0 %	0	0
Totals				
Totals**	**1,495,065**	**100.0 %**	**5,102,655**	**15,309,496**

* Note: Resource Utilization factors are included in the Total Source Energy value.
** Note: This report can display a maximum of 7 utilities. If additional utilities are used, they will be included in the total.

ENERGY CONSUMPTION SUMMARY

By Honeywell

	Elect Cons. (kWh)	% of Total Building Energy	Total Building Energy (kBtu/yr)	Total Source Energy* (kBtu/yr)
Alternative 2				
Primary heating				
Primary heating	32,079	2.5 %	109,485	328,487
Other Htg Accessories		0.0 %	0	0
Heating Subtotal	**32,079**	**2.5 %**	**109,485**	**328,487**
Primary cooling				
Cooling Compressor	311,535	24.2 %	1,063,269	3,190,126
Tower/Cond Fans	48,458	3.8 %	165,386	496,207
Condenser Pump		0.0 %	0	0
Other Clg Accessories	966	0.1 %	3,296	9,889
Cooling Subtotal....	**360,958**	**28.1 %**	**1,231,951**	**3,696,222**
Auxiliary				
Supply Fans	194,252	15.1 %	662,981	1,989,141
Pumps	97,273	7.6 %	331,991	996,073
Stand-alone Base Utilities		0.0 %	0	0
Aux Subtotal....	291,524	22.7 %	994,972	2,985,213
Lighting				
Lighting	408,715	31.8 %	1,394,944	4,185,249
Receptacle				
Receptacles	192,790	15.0 %	657,993	1,974,176
Cogeneration				
Cogeneration		0.0 %	0	0
Totals				
Totals**	**1,286,066**	**100.0 %**	**4,389,344**	**13,169,347**

* Note: Resource Utilization factors are included in the Total Source Energy value.
** Note: This report can display a maximum of 7 utilities. If additional utilities are used, they will be included in the total.

MONTHLY UTILITY COSTS

By Honeywell

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
	------ Monthly Utility Costs ------												
Alternative 1													
Electric													
On-Pk Cons. ($)	7,182	6,827	7,337	7,197	7,598	7,775	8,123	8,253	7,759	7,489	7,024	7,139	89,704
Off-Pk Cons. ($)	16	16	16	16	16	16	16	16	16	16	16	16	197
On-Pk Demand ($)	1,828	1,832	2,031	2,037	2,067	2,245	2,304	2,417	2,397	2,259	2,172	2,038	25,627
Total ($):	9,026	8,675	9,384	9,251	9,681	10,036	10,443	10,687	10,172	9,764	9,213	9,194	115,528
Monthly Total ($):	9,026	8,675	9,384	9,251	9,681	10,036	10,443	10,687	10,172	9,764	9,213	9,194	115,528

Building Area = 44,016 ft²

Utility Cost Per Area = 2.62 $/ft²

Alternative 2

Electric

On-Pk Cons. ($)	6,331	6,038	6,280	6,148	6,538	6,652	6,908	7,028	6,626	6,445	6,004	6,167	77,164
Off-Pk Cons. ($)	16	16	16	16	16	16	16	16	16	16	16	16	197
On-Pk Demand ($)	1,641	1,643	1,791	1,787	1,810	1,949	1,995	2,083	2,077	1,979	1,915	1,809	22,481
Total ($):	7,988	7,698	8,087	7,952	8,365	8,618	8,919	9,128	8,719	8,440	7,935	7,993	99,842
Monthly Total ($):	7,988	7,698	8,087	7,952	8,365	8,618	8,919	9,128	8,719	8,440	7,935	7,993	99,842

Building Area = 44,016 ft²

Utility Cost Per Area = 2.27 $/ft²

Economic Summary

Project Information

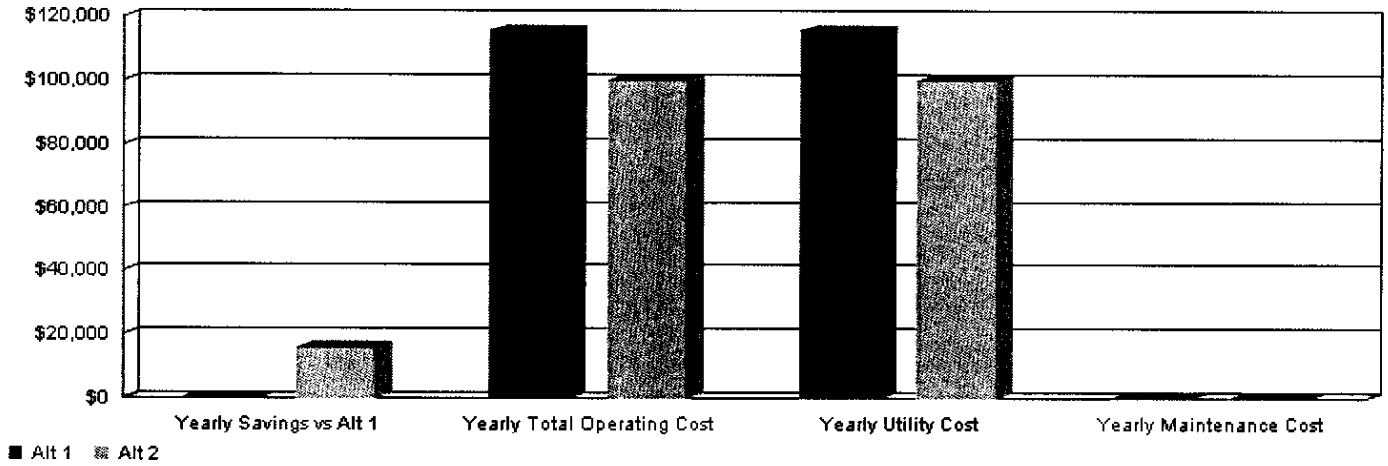
Location
Project Name
User
Company
Comments

Study Life: 20 years
Cost of Capital: 10 %
Alternative 1: New Baseline
Alternative 2: New Air Cooled Chillers

Economic Comparison of Alternatives

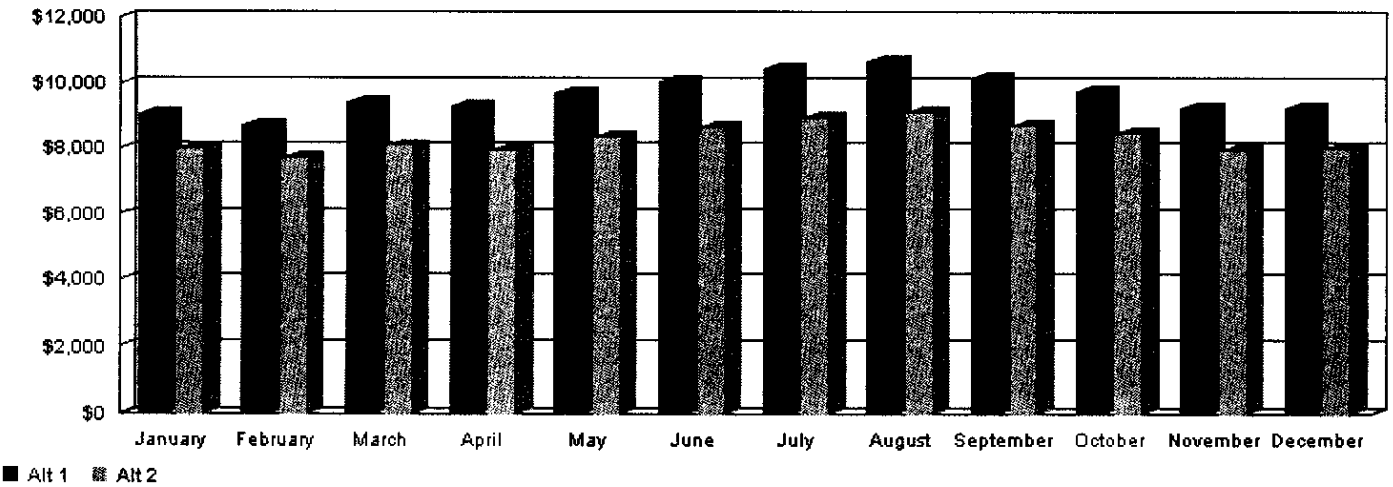
	Yearly Savings ($)	First Cost Difference ($)	Cumulative Cash Flow Difference ($)	Simple Payback (yrs.)	Net Present Value ($)	Life Cycle Payback (yrs.)	Internal Rate of Return (%)	Life Cycle Cost
Alt 1 vs Alt 2	-15,685	0	-313,708	No Payback	-133,539	No Payback	Does Not Payback	-133,538.50

Annual Operating Costs



	Yearly Savings vs Alt 1	Yearly Total Operating Cost ($)	Yearly Utility Cost ($)	Yearly Maintenance Cost ($)	Plant kWh/ton-hr
Alt 1	0	115,528	115,528	0	0.000
Alt 2	15,685	99,842	99,842	0	0.000

Monthly Utility Costs



Community Center

PROJECT INFORMATION

Location	
Building owner	
Program user	
Company	
Comments	

By	**Honeywell**
Dataset name	**D:\PROJECTS\PORT ST LUCIE\BUILDING MODELLING\COMMUNITY CENTER\PSL_COMM_A_1.TRC**
Calculation time	**08:49 PM on 01/23/2012**
TRACE® 700 version	**6.2.7**
Location	**West Palm Beach, Florida**
Latitude	**26.7 deg**
Longitude	**80.2 deg**
Time Zone	**5**
Elevation	**15 ft**
Barometric pressure	**29.9 in. Hg**
Air density	**0.0760 lb/cu ft**
Air specific heat	**0.2444 Btu/lb·°F**
Density-specific heat product	**1.1147 Btu/h·cfm·°F**
Latent heat factor	**4,906.9 Btu·min/h·cu ft**
Enthalpy factor	**4.5604 lb·min/hr·cu ft**
Summer design dry bulb	**92 °F**
Summer design wet bulb	**79 °F**
Winter design dry bulb	**45 °F**
Summer clearness number	**0.90**
Winter clearness number	**0.95**
Summer ground reflectance	**0.20**
Winter ground reflectance	**0.20**
Carbon Dioxide Level	**400 ppm**
Design simulation period	**January - December**
Cooling load methodology	**TETD-TA1**
Heating load methodology	**UATD**

MONTHLY ENERGY CONSUMPTION

By Honeywell

------- Monthly Energy Consumption -------

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative: 1	**Baseline**												
Electric													
On-Pk Cons. (kWh)	51,035	47,005	65,261	65,559	70,790	75,132	80,142	85,014	75,813	69,734	61,484	55,433	802,403
On-Pk Demand (kW)	191	219	261	286	299	329	343	356	330	289	266	246	356

Energy Consumption		
Building	80,151	Btu/(ft2-year)
Source	240,477	Btu/(ft2-year)
Floor Area	34,168	ft2

Environmental Impact Analysis	
CO2	10,100,258 lbm/year
SO2	28,659 gm/year
NOX	16,207 gm/year

Alternative: 2	**PSL_Community_ECM_Lighting**												
Electric													
On-Pk Cons. (kWh)	49,088	45,227	63,021	63,527	68,355	72,893	77,886	82,681	73,673	67,235	59,430	53,408	776,424
On-Pk Demand (kW)	182	214	256	280	294	323	337	350	324	283	260	240	350

Energy Consumption		
Building	77,556	Btu/(ft2-year)
Source	232,692	Btu/(ft2-year)
Floor Area	34,168	ft2

Environmental Impact Analysis	
CO2	9,773,246 lbm/year
SO2	27,731 gm/year
NOX	15,682 gm/year

MONTHLY ENERGY CONSUMPTION

By Honeywell

------- Monthly Energy Consumption -------

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative: 3 **PSL_Community_ECM_Infiltration**													
Electric													
On-Pk Cons. (kWh)	48,918	45,082	62,655	63,006	67,677	72,265	76,991	80,878	72,802	66,666	58,783	53,064	768,788
On-Pk Demand (kW)	183	212	254	278	291	320	333	346	320	280	258	238	346

Energy Consumption		
Building	76,793	Btu/(ft2-year)
Source	230,403	Btu/(ft2-year)
Floor Area	34,168	ft2

Environmental Impact Analysis	
CO2	9,677,120 lbm/year
SO2	27,458 gm/year
NOX	15,528 gm/year

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative: 4 **PSL_Community_ECM_Mech_Replace DX units**													
Electric													
On-Pk Cons. (kWh)	45,545	41,837	58,734	58,811	62,649	66,782	71,106	74,432	67,407	61,866	54,570	48,500	712,239
On-Pk Demand (kW)	179	206	245	267	280	307	320	332	307	270	249	231	332

Energy Consumption		
Building	71,145	Btu/(ft2-year)
Source	213,455	Btu/(ft2-year)
Floor Area	34,168	ft2

Environmental Impact Analysis	
CO2	8,965,317 lbm/year
SO2	25,438 gm/year
NOX	14,386 gm/year

MONTHLY ENERGY CONSUMPTION

By Honeywell

------- Monthly Energy Consumption -------

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative: 4 **PSL_Community_ECM_Mech_Replace DX units**													
Electric													
On-Pk Cons. (kWh)	45,545	41,837	58,734	58,811	62,649	66,782	71,106	74,432	67,407	61,866	54,570	48,500	712,239
On-Pk Demand (kW)	179	206	245	267	280	307	320	332	307	270	249	231	332

Energy Consumption		
Building	71,145	Btu/(ft2-year)
Source	213,455	Btu/(ft2-year)
Floor Area	34,168	ft2

Environmental Impact Analysis	
CO2	8,965,317 lbm/year
SO2	25,438 gm/year
NOX	14,386 gm/year

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative: 5 **PSL_Community_ECM_DCV**													
Electric													
On-Pk Cons. (kWh)	45,435	41,550	55,753	55,349	59,912	62,404	66,025	68,333	62,952	58,885	52,603	47,816	677,017
On-Pk Demand (kW)	176	206	245	267	279	307	320	332	307	270	249	231	332

Energy Consumption		
Building	67,626	Btu/(ft2-year)
Source	202,900	Btu/(ft2-year)
Floor Area	34,168	ft2

Environmental Impact Analysis	
CO2	8,521,958 lbm/year
SO2	24,180 gm/year
NOX	13,674 gm/year

ELECTRICAL PEAK CHECKSUMS

By Honeywell

Alternative 1 **Baseline**

Yearly Time of Peak: 15(Hr) 8(Month)

Equipment Description		Electrical Demand (kw)	Percent of Total (%)
Cooling Equipment			
Air-cooled unitary - 003		215.12	60.39
Air-cooled unitary - 001		58.67	16.47
	Sub total	273.79	76.86
Fan Equipment			
Sys 1: System - 001		7.51	2.11
Sys 2: System - 002		11.77	3.30
	Sub total	19.28	5.41
Miscellaneous			
Lights		41.68	11.70
Base Utilities		9.50	2.67
Misc Equipment		11.96	3.36
	Sub total	63.14	17.73
	Total	356.21	100

Alternative 2 **ECM_Lighting**

Yearly Time of Peak: 15(Hr) 8(Month)

Equipment Description		Electrical Demand (kw)	Percent of Total (%)
Cooling Equipment			
Air-cooled unitary - 001		58.55	16.72
Air-cooled unitary - 003		213.54	60.99
	Sub total	272.09	77.71
Fan Equipment			
Sys 1: System - 001		7.31	2.09
Sys 2: System - 002		11.66	3.33
	Sub total	18.97	5.42
Miscellaneous			
Lights		37.63	10.75
Misc Equipment		11.96	3.42
Base Utilities		9.50	2.71
	Sub total	59.09	16.88
	Total	350.15	100

ELECTRICAL PEAK CHECKSUMS

By Honeywell

Alternative 3 **ECM_Infiltration**

Yearly Time of Peak: 15(Hr) 8(Month)

Equipment Description		Electrical Demand (kw)	Percent of Total (%)
Cooling Equipment			
Air-cooled unitary - 001		58.28	16.82
Air-cooled unitary - 003		209.78	60.55
	Sub total	268.06	77.37
Fan Equipment			
Sys 1: System - 001		7.45	2.15
Sys 2: System - 002		11.83	3.41
	Sub total	19.28	5.56
Miscellaneous			
Lights		37.63	10.86
Base Utilities		9.50	2.74
Misc Equipment		11.96	3.45
	Sub total	59.09	17.05
	Total	346.43	100

Alternative 4 **ECM_Mech_Replace DX**

Yearly Time of Peak: 15(Hr) 8(Month)

Equipment Description		Electrical Demand (kw)	Percent of Total (%)
Cooling Equipment			
Air-cooled unitary - 001		43.70	13.17
Air-cooled unitary - 003		209.78	63.22
	Sub total	253.48	76.39
Fan Equipment			
Sys 1: System - 001		7.45	2.25
Sys 2: System - 002		11.83	3.56
	Sub total	19.28	5.81
Miscellaneous			
Misc Equipment		11.96	3.60
Lights		37.63	11.34
Base Utilities		9.50	2.86
	Sub total	59.09	17.80
	Total	331.85	100

ELECTRICAL PEAK CHECKSUMS

By Honeywell

Alternative 4 **ECM_Mech_Replace DX**

Yearly Time of Peak: 15(Hr) 8(Month)

Equipment Description		Electrical Demand (kw)	Percent of Total (%)
Cooling Equipment			
Air-cooled unitary - 003		209.78	63.22
Air-cooled unitary - 001		43.70	13.17
	Sub total	253.48	76.39
Fan Equipment			
Sys 2: System - 002		11.83	3.56
Sys 1: System - 001		7.45	2.25
	Sub total	19.28	5.81
Miscellaneous			
Misc Equipment		11.96	3.60
Base Utilities		9.50	2.86
Lights		37.63	11.34
	Sub total	59.09	17.80
	Total	331.85	100

Alternative 5 **ECM_DCV**

Yearly Time of Peak: 15(Hr) 8(Month)

Equipment Description		Electrical Demand (kw)	Percent of Total (%)
Cooling Equipment			
Air-cooled unitary - 003		209.82	63.22
Air-cooled unitary - 001		43.71	13.17
	Sub total	253.53	76.39
Fan Equipment			
Sys 2: System - 002		11.83	3.56
Sys 1: System - 001		7.45	2.24
	Sub total	19.28	5.80
Miscellaneous			
Misc Equipment		11.96	3.60
Base Utilities		9.50	2.86
Lights		37.63	11.34
	Sub total	59.09	17.80
	Total	331.90	100

ENERGY CONSUMPTION SUMMARY

By Honeywell

	Elect Cons. (kWh)	% of Total Building Energy	Total Building Energy (kBtu/yr)	Total Source Energy* (kBtu/yr)
Alternative 1				
Primary heating				
Primary heating	13,669	1.7 %	46,653	139,974
Other Htg Accessories		0.0 %	0	0
Heating Subtotal	**13,669**	**1.7 %**	**46,653**	**139,974**
Primary cooling				
Cooling Compressor	334,712	41.7 %	1,142,373	3,427,461
Tower/Cond Fans	44,171	5.5 %	150,757	452,316
Condenser Pump		0.0 %	0	0
Other Clg Accessories	1,023	0.1 %	3,493	10,479
Cooling Subtotal....	**379,907**	**47.4 %**	**1,296,622**	**3,890,256**
Auxiliary				
Supply Fans	32,700	4.1 %	111,605	334,850
Pumps		0.0 %	0	0
Stand-alone Base Utilities	83,220	10.4 %	284,030	852,175
Aux Subtotal....	115,920	14.5 %	395,635	1,187,025
Lighting				
Lighting	188,148	23.5 %	642,150	1,926,641
Receptacle				
Receptacles	104,759	13.1 %	357,542	1,072,734
Cogeneration				
Cogeneration		0.0 %	0	0
Totals				
Totals**	**802,403**	**100.0 %**	**2,738,603**	**8,216,630**

* Note: Resource Utilization factors are included in the Total Source Energy value.
** Note: This report can display a maximum of 7 utilities. If additional utilities are used, they will be included in the total.

ENERGY CONSUMPTION SUMMARY

By Honeywell

	Elect Cons. (kWh)	% of Total Building Energy	Total Building Energy (kBtu/yr)	Total Source Energy* (kBtu/yr)
Alternative 2				
Primary heating				
Primary heating	14,316	1.8 %	48,861	146,599
Other Htg Accessories		0.0 %	0	0
Heating Subtotal	**14,316**	**1.8 %**	**48,861**	**146,599**
Primary cooling				
Cooling Compressor	328,099	42.3 %	1,119,803	3,359,745
Tower/Cond Fans	43,293	5.6 %	147,757	443,316
Condenser Pump		0.0 %	0	0
Other Clg Accessories	1,016	0.1 %	3,467	10,403
Cooling Subtotal....	**372,408**	**48.0 %**	**1,271,027**	**3,813,464**
Auxiliary				
Supply Fans	31,861	4.1 %	108,742	326,258
Pumps		0.0 %	0	0
Stand-alone Base Utilities	83,220	10.7 %	284,030	852,175
Aux Subtotal....	115,081	14.8 %	392,772	1,178,433
Lighting				
Lighting	169,860	21.9 %	579,732	1,739,370
Receptacle				
Receptacles	104,759	13.5 %	357,542	1,072,734
Cogeneration				
Cogeneration		0.0 %	0	0
Totals				
Totals**	**776,424**	**100.0 %**	**2,649,935**	**7,950,599**

* Note: Resource Utilization factors are included in the Total Source Energy value.
** Note: This report can display a maximum of 7 utilities. If additional utilities are used, they will be included in the total.

ENERGY CONSUMPTION SUMMARY

By Honeywell

	Elect Cons. (kWh)	% of Total Building Energy	Total Building Energy (kBtu/yr)	Total Source Energy* (kBtu/yr)
Alternative 3				
Primary heating				
Primary heating	13,406	1.7 %	45,753	137,274
Other Htg Accessories		0.0 %	0	0
Heating Subtotal	**13,406**	**1.7 %**	**45,753**	**137,274**
Primary cooling				
Cooling Compressor	321,397	41.8 %	1,096,928	3,291,112
Tower/Cond Fans	42,368	5.5 %	144,602	433,850
Condenser Pump		0.0 %	0	0
Other Clg Accessories	1,007	0.1 %	3,436	10,310
Cooling Subtotal....	**364,772**	**47.5 %**	**1,244,966**	**3,735,273**
Auxiliary				
Supply Fans	32,771	4.3 %	111,847	335,576
Pumps		0.0 %	0	0
Stand-alone Base Utilities	83,220	10.8 %	284,030	852,175
Aux Subtotal....	115,991	15.1 %	395,877	1,187,751
Lighting				
Lighting	169,860	22.1 %	579,732	1,739,370
Receptacle				
Receptacles	104,759	13.6 %	357,542	1,072,734
Cogeneration				
Cogeneration		0.0 %	0	0
Totals				
Totals**	**768,787**	**100.0 %**	**2,623,871**	**7,872,401**

* Note: Resource Utilization factors are included in the Total Source Energy value.
** Note: This report can display a maximum of 7 utilities. If additional utilities are used, they will be included in the total.

ENERGY CONSUMPTION SUMMARY

By Honeywell

	Elect Cons. (kWh)	% of Total Building Energy	Total Building Energy (kBtu/yr)	Total Source Energy* (kBtu/yr)
Alternative 4				
Primary heating				
Primary heating	13,406	1.9 %	45,753	137,274
Other Htg Accessories		0.0 %	0	0
Heating Subtotal	**13,406**	**1.9 %**	**45,753**	**137,274**
Primary cooling				
Cooling Compressor	266,168	37.4 %	908,431	2,725,567
Tower/Cond Fans	41,049	5.8 %	140,099	420,339
Condenser Pump		0.0 %	0	0
Other Clg Accessories	1,007	0.1 %	3,436	10,310
Cooling Subtotal....	**308,224**	**43.3 %**	**1,051,967**	**3,156,216**
Auxiliary				
Supply Fans	32,771	4.6 %	111,847	335,576
Pumps		0.0 %	0	0
Stand-alone Base Utilities	83,220	11.7 %	284,030	852,175
Aux Subtotal....	115,991	16.3 %	395,877	1,187,751
Lighting				
Lighting	169,860	23.9 %	579,732	1,739,370
Receptacle				
Receptacles	104,759	14.7 %	357,542	1,072,734
Cogeneration				
Cogeneration		0.0 %	0	0
Totals				
Totals**	**712,239**	**100.0 %**	**2,430,872**	**7,293,344**

* Note: Resource Utilization factors are included in the Total Source Energy value.

** Note: This report can display a maximum of 7 utilities. If additional utilities are used, they will be included in the total.

ENERGY CONSUMPTION SUMMARY

By Honeywell

	Elect Cons. (kWh)	% of Total Building Energy	Total Building Energy (kBtu/yr)	Total Source Energy* (kBtu/yr)
Alternative 4				
Primary heating				
Primary heating	13,406	1.9 %	45,753	137,274
Other Htg Accessories		0.0 %	0	0
Heating Subtotal	**13,406**	**1.9 %**	**45,753**	**137,274**
Primary cooling				
Cooling Compressor	266,168	37.4 %	908,431	2,725,567
Tower/Cond Fans	41,049	5.8 %	140,099	420,339
Condenser Pump		0.0 %	0	0
Other Clg Accessories	1,007	0.1 %	3,436	10,310
Cooling Subtotal....	**308,224**	**43.3 %**	**1,051,967**	**3,156,216**
Auxiliary				
Supply Fans	32,771	4.6 %	111,847	335,576
Pumps		0.0 %	0	0
Stand-alone Base Utilities	83,220	11.7 %	284,030	852,175
Aux Subtotal....	115,991	16.3 %	395,877	1,187,751
Lighting				
Lighting	169,860	23.9 %	579,732	1,739,370
Receptacle				
Receptacles	104,759	14.7 %	357,542	1,072,734
Cogeneration				
Cogeneration		0.0 %	0	0
Totals				
Totals**	**712,239**	**100.0 %**	**2,430,872**	**7,293,344**

* Note: Resource Utilization factors are included in the Total Source Energy value.

** Note: This report can display a maximum of 7 utilities. If additional utilities are used, they will be included in the total.

ENERGY CONSUMPTION SUMMARY

By Honeywell

	Elect Cons. (kWh)	% of Total Building Energy	Total Building Energy (kBtu/yr)	Total Source Energy* (kBtu/yr)
Alternative 5				
Primary heating				
Primary heating	13,406	2.0 %	45,753	137,274
Other Htg Accessories		0.0 %	0	0
Heating Subtotal	**13,406**	**2.0 %**	**45,753**	**137,274**
Primary cooling				
Cooling Compressor	235,433	34.8 %	803,533	2,410,839
Tower/Cond Fans	36,933	5.5 %	126,051	378,192
Condenser Pump		0.0 %	0	0
Other Clg Accessories	985	0.2 %	3,363	10,091
Cooling Subtotal....	**273,351**	**40.4 %**	**932,947**	**2,799,122**
Auxiliary				
Supply Fans	32,421	4.8 %	110,653	331,993
Pumps		0.0 %	0	0
Stand-alone Base Utilities	83,220	12.3 %	284,030	852,175
Aux Subtotal....	115,641	17.1 %	394,683	1,184,168
Lighting				
Lighting	169,860	25.1 %	579,732	1,739,370
Receptacle				
Receptacles	104,759	15.5 %	357,542	1,072,734
Cogeneration				
Cogeneration		0.0 %	0	0
Totals				
Totals**	**677,017**	**100.0 %**	**2,310,658**	**6,932,668**

* Note: Resource Utilization factors are included in the Total Source Energy value.

** Note: This report can display a maximum of 7 utilities. If additional utilities are used, they will be included in the total.

Energy Cost Budget / PRM Summary

By Honeywell

Project Name:	Date: January 23, 2012
City:	Weather Data: West Palm Beach, Florida

Note: The percentage displayed for the "Proposed/ Base %" column of the base case is actually the percentage of the total energy consumption.

* Denotes the base alternative for the ECB study.

		* Alt-1			Alt-2			Alt-3			Alt-4		
		Energy 10^6 Btu/yr	Proposed / Base %	Peak kBtuh	Energy 10^6 Btu/yr	Proposed / Base %	Peak kBtuh	Energy 10^6 Btu/yr	Proposed / Base %	Peak kBtuh	Energy 10^6 Btu/yr	Proposed / Base %	Peak kBtuh
Lighting - Conditioned	Electricity	642.1	23	142	579.7	90	128	579.7	90	128	579.7	90	128
Space Heating	Electricity	46.7	2	54	48.9	105	54	45.8	98	52	45.8	98	52
Space Cooling	Electricity	1,145.9	42	933	1,123.3	98	930	1,100.4	96	916	911.9	80	840
Heat Rejection	Electricity	150.8	6	110	147.8	98	109	144.6	96	108	140.1	93	106
Fans - Conditioned	Electricity	111.6	4	84	108.7	97	82	111.8	100	84	111.8	100	84
Receptacles - Conditioned	Electricity	357.5	13	41	357.5	100	41	357.5	100	41	357.5	100	41
Stand-alone Base Utilities	Electricity	284.0	10	32	284.0	100	32	284.0	100	32	284.0	100	32
Total Building Consumption		**2,738.6**			**2,649.9**			**2,623.9**			**2,430.9**		

		* Alt-1	Alt-2	Alt-3	Alt-4
Total	**Number of hours heating load not met**	0	0	0	0
	Number of hours cooling load not met	0	0	0	0

	* Alt-1			Alt-2			Alt-3			Alt-4		
	Energy 10^6 Btu/yr	Cost/yr	$/yr	Energy 10^6 Btu/yr	Cost/yr	$/yr	Energy 10^6 Btu/yr	Cost/yr	$/yr	Energy 10^6 Btu/yr	Cost/yr	$/yr
Electricity	2,738.6	79,366		2,649.9	77,185		2,623.9	76,464		2,430.9	72,033	
Total	**2,739**	**79,366**		**2,650**	**77,185**		**2,624**	**76,464**		**2,431**	**72,033**	

Energy Cost Budget / PRM Summary

By Honeywell

Project Name:	Date: January 23, 2012
City:	Weather Data: West Palm Beach, Florida

Note: The percentage displayed for the "Proposed/ Base %" column of the base case is actually the percentage of the total energy consumption.

* Denotes the base alternative for the ECB study.

		* Alt-4			Alt-5		
		Energy 10^6 Btu/yr	Proposed / Base %	Peak kBtuh	Energy 10^6 Btu/yr	Proposed / Base %	Peak kBtuh
Lighting - Conditioned	Electricity	579.7	24	128	579.7	100	128
Space Heating	Electricity	45.8	2	52	45.8	100	52
Space Cooling	Electricity	911.9	38	840	806.9	88	841
Heat Rejection	Electricity	140.1	6	106	126.1	90	106
Fans - Conditioned	Electricity	111.8	5	84	110.7	99	84
Receptacles - Conditioned	Electricity	357.5	15	41	357.5	100	41
Stand-alone Base Utilities	Electricity	284.0	12	32	284.0	100	32
Total Building Consumption		**2,430.9**			**2,310.7**		

		* Alt-4	Alt-5
Total	**Number of hours heating load not met**	0	0
	Number of hours cooling load not met	0	0

	* Alt-4			Alt-5		
	Energy 10^6 Btu/yr	Cost/yr	$/yr	Energy 10^6 Btu/yr	Cost/yr	$/yr
Electricity	2,430.9	72,033		2,310.7	69,988	
Total	**2,431**	**72,033**		**2,311**	**69,988**	

MONTHLY UTILITY COSTS

By Honeywell

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
					------- Monthly Utility Costs -------								
Alternative 1													
Electric													
On-Pk Cons. ($)	2,924	2,693	3,739	3,757	4,056	4,305	4,592	4,871	4,344	3,996	3,523	3,176	45,978
Off-Pk Cons. ($)	16	16	16	16	16	16	16	16	16	16	16	16	197
On-Pk Demand ($)	1,853	2,131	2,542	2,779	2,908	3,198	3,333	3,462	3,204	2,805	2,587	2,390	33,191
Total ($):	4,794	4,841	6,298	6,552	6,980	7,520	7,942	8,350	7,564	6,817	6,126	5,583	79,366
Monthly Total ($):	4,794	4,841	6,298	6,552	6,980	7,520	7,942	8,350	7,564	6,817	6,126	5,583	79,366

Building Area = 34,168 ft²

Utility Cost Per Area = 2.32 $/ft²

Alternative 2

Electric

On-Pk Cons. ($)	2,813	2,592	3,611	3,640	3,917	4,177	4,463	4,738	4,221	3,853	3,405	3,060	44,489
Off-Pk Cons. ($)	16	16	16	16	16	16	16	16	16	16	16	16	197
On-Pk Demand ($)	1,772	2,076	2,488	2,725	2,853	3,143	3,278	3,403	3,145	2,750	2,531	2,335	32,499
Total ($):	4,601	4,684	6,116	6,381	6,786	7,336	7,757	8,158	7,383	6,619	5,953	5,412	77,185
Monthly Total ($):	4,601	4,684	6,116	6,381	6,786	7,336	7,757	8,158	7,383	6,619	5,953	5,412	77,185

Building Area = 34,168 ft²

Utility Cost Per Area = 2.26 $/ft²

MONTHLY UTILITY COSTS

By Honeywell

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
	------- Monthly Utility Costs -------												
Alternative 3													
Electric													
On-Pk Cons. ($)	2,803	2,583	3,590	3,610	3,878	4,141	4,412	4,634	4,172	3,820	3,368	3,041	44,052
Off-Pk Cons. ($)	16	16	16	16	16	16	16	16	16	16	16	16	197
On-Pk Demand ($)	1,782	2,065	2,467	2,698	2,824	3,108	3,241	3,367	3,112	2,723	2,510	2,318	32,215
Total ($):	4,601	4,664	6,073	6,325	6,718	7,265	7,669	8,018	7,300	6,560	5,895	5,375	76,464
Monthly Total ($):	4,601	4,664	6,073	6,325	6,718	7,265	7,669	8,018	7,300	6,560	5,895	5,375	76,464

Building Area = 34,168 ft²

Utility Cost Per Area = 2.24 $/ft²

Alternative 4													
Electric													
On-Pk Cons. ($)	2,610	2,397	3,365	3,370	3,590	3,827	4,074	4,265	3,862	3,545	3,127	2,779	40,811
Off-Pk Cons. ($)	16	16	16	16	16	16	16	16	16	16	16	16	197
On-Pk Demand ($)	1,735	2,003	2,381	2,599	2,717	2,983	3,107	3,226	2,987	2,623	2,422	2,241	31,024
Total ($):	4,362	4,416	5,763	5,986	6,323	6,826	7,198	7,507	6,866	6,184	5,566	5,037	72,033
Monthly Total ($):	4,362	4,416	5,763	5,986	6,323	6,826	7,198	7,507	6,866	6,184	5,566	5,037	72,033

Building Area = 34,168 ft²

Utility Cost Per Area = 2.11 $/ft²

MONTHLY UTILITY COSTS

By Honeywell

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
					------- Monthly Utility Costs -------								
Alternative 4													
Electric													
On-Pk Cons. ($)	2,610	2,397	3,365	3,370	3,590	3,827	4,074	4,265	3,862	3,545	3,127	2,779	40,811
Off-Pk Cons. ($)	16	16	16	16	16	16	16	16	16	16	16	16	197
On-Pk Demand ($)	1,735	2,003	2,381	2,599	2,717	2,983	3,107	3,226	2,987	2,623	2,422	2,241	31,024
Total ($):	4,362	4,416	5,763	5,986	6,323	6,826	7,198	7,507	6,866	6,184	5,566	5,037	72,033
Monthly Total ($):	4,362	4,416	5,763	5,986	6,323	6,826	7,198	7,507	6,866	6,184	5,566	5,037	72,033

Building Area = 34,168 ft²

Utility Cost Per Area = 2.11 $/ft²

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative 5													
Electric													
On-Pk Cons. ($)	2,603	2,381	3,195	3,171	3,433	3,576	3,783	3,915	3,607	3,374	3,014	2,740	38,793
Off-Pk Cons. ($)	16	16	16	16	16	16	16	16	16	16	16	16	197
On-Pk Demand ($)	1,710	2,003	2,380	2,600	2,716	2,984	3,108	3,226	2,987	2,622	2,422	2,241	30,998
Total ($):	4,330	4,400	5,591	5,788	6,165	6,576	6,907	7,158	6,611	6,012	5,453	4,998	69,988
Monthly Total ($):	4,330	4,400	5,591	5,788	6,165	6,576	6,907	7,158	6,611	6,012	5,453	4,998	69,988

Building Area = 34,168 ft²

Utility Cost Per Area = 2.05 $/ft²

Project Name:
Dataset Name: PSL_COMM_B_1.TRC

TRACE® 700 v6.2.7 calculated at 08:57 PM on 01/23/2012
Monthly Utility Costs Page 1 of 1
Exhibit 2 - Page 638

Economic Summary

Project Information

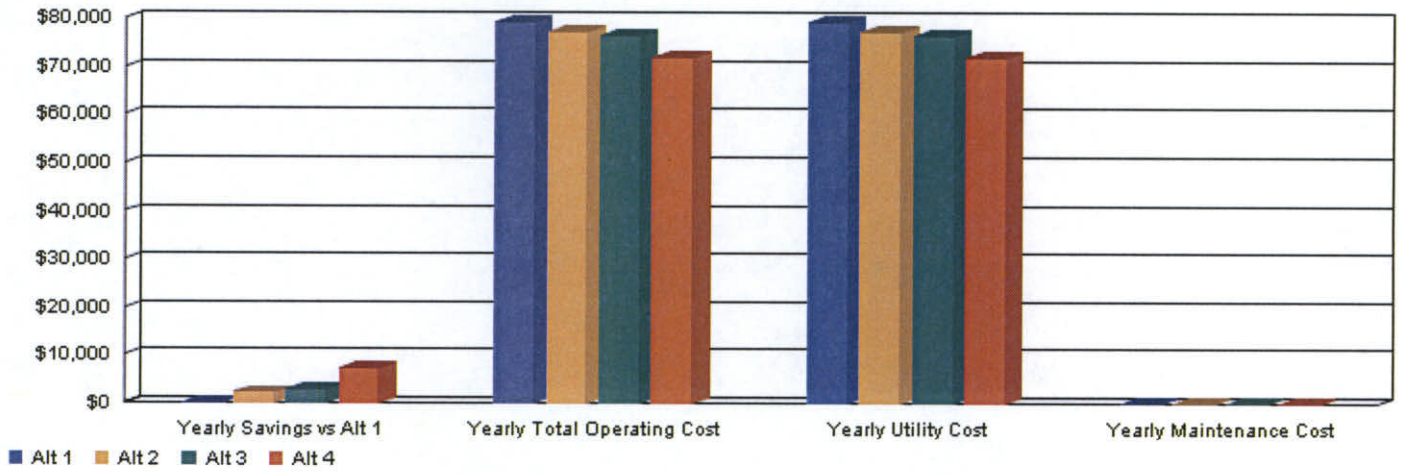
Location
Project Name
User
Company
Comments

Study Life: 20 years
Cost of Capital: 10 %
Alternative 1: PSL_Community
Alternative 2: PSL_Community_ECM_Lighting Controls
Alternative 3: PSL_Community_ECM_Infiltration
Alternative 4: PSL_Community_ECM_Mech_Replace DX units

Economic Comparison of Alternatives

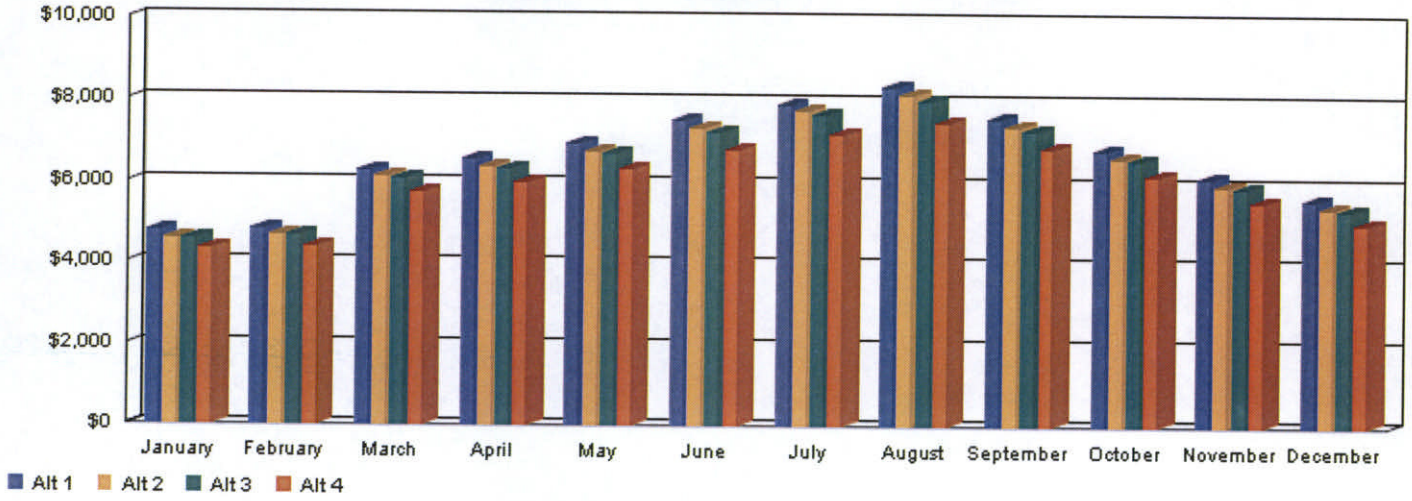
	Yearly Savings ($)	First Cost Difference ($)	Cumulative Cash Flow Difference ($)	Simple Payback (yrs.)	Net Present Value ($)	Life Cycle Payback (yrs.)	Internal Rate of Return (%)	Life Cycle Cost
Alt 1 vs Alt 2	-2,181	0	-43,615	No Payback	-18,566	No Payback	Does Not Payback	-18,566.00
Alt 1 vs Alt 3	-2,902	0	-58,049	No Payback	-24,710	No Payback	Does Not Payback	-24,710.35
Alt 1 vs Alt 4	-7,333	0	-146,664	No Payback	-62,431	No Payback	Does Not Payback	-62,431.48
Alt 2 vs Alt 3	-722	0	-14,434	No Payback	-6,144	No Payback	Does Not Payback	-6,144.35
Alt 2 vs Alt 4	-5,152	0	-103,049	No Payback	-43,865	No Payback	Does Not Payback	-43,865.48
Alt 3 vs Alt 4	-4,431	0	-88,614	No Payback	-37,721	No Payback	Does Not Payback	-37,721.13

Annual Operating Costs



	Yearly Savings vs Alt 1	Yearly Total Operating Cost ($)	Yearly Utility Cost ($)	Yearly Maintenance Cost ($)	Plant kWh/ton-hr
Alt 1	0	79,366	79,366	0	0.000
Alt 2	2,181	77,185	77,185	0	0.000
Alt 3	2,902	76,464	76,464	0	0.000
Alt 4	7,333	72,033	72,033	0	0.000

Monthly Utility Costs



Economic Summary

Project Information

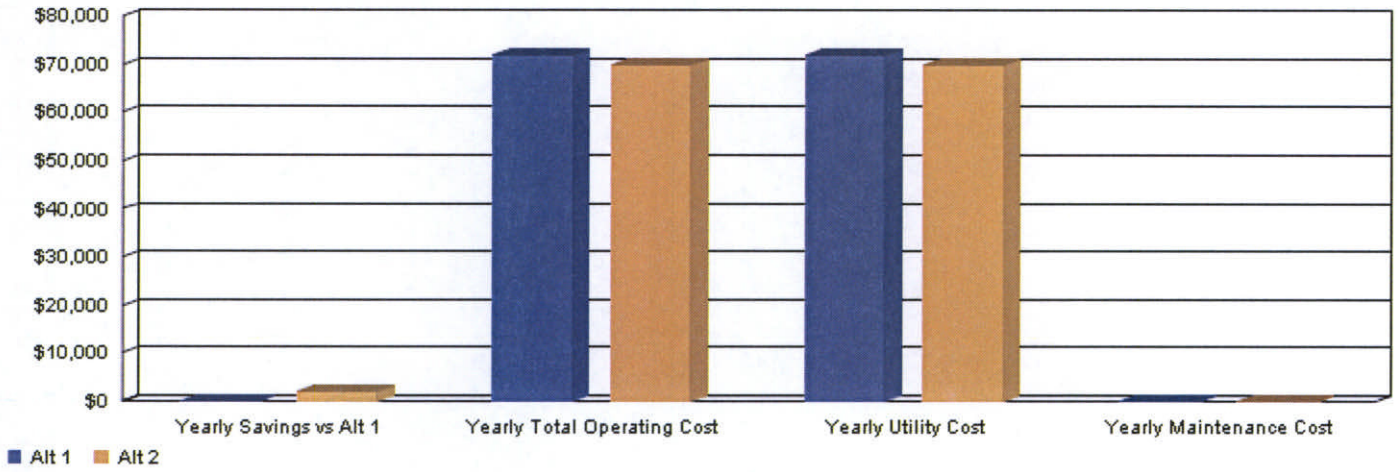
Location
Project Name
User
Company
Comments

Study Life: 20 years
Cost of Capital: 10 %
Alternative 4: PSL_Community_ECM_Mech_Replace DX units
Alternative 5: PSL_Community_ECM_DCV

Economic Comparison of Alternatives

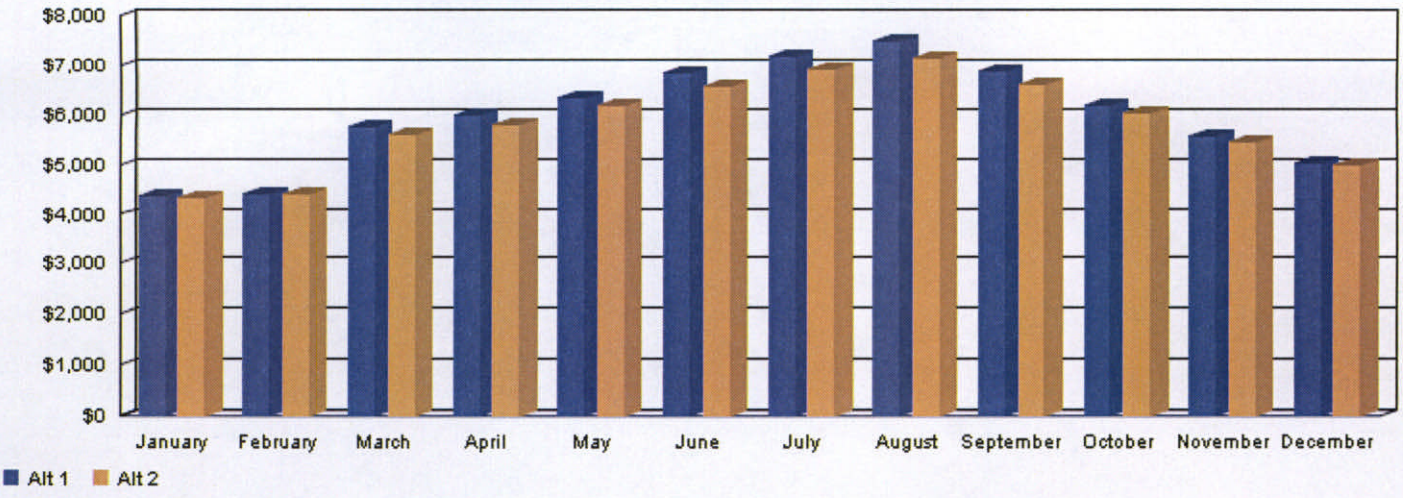
	Yearly Savings ($)	First Cost Difference ($)	Cumulative Cash Flow Difference ($)	Simple Payback (yrs.)	Net Present Value ($)	Life Cycle Payback (yrs.)	Internal Rate of Return (%)	Life Cycle Cost
Alt 4 vs Alt 5	-2,045	0	-40,891	No Payback	-17,407	No Payback	Does Not Payback	-17,406.58

Annual Operating Costs



	Yearly Savings vs Alt 1	Yearly Total Operating Cost ($)	Yearly Utility Cost ($)	Yearly Maintenance Cost ($)	Plant kWh/ton-hr
Alt 4	0	72,033	72,033	0	0.000
Alt 5	2,045	69,988	69,988	0	0.000

Monthly Utility Costs



Civic Center

Entered Values

TRACE® 700 version 6.2.7

By Honeywell Inc

Project Name: City of PSL_Civic Center
Dataset Name: D:\DOCUMENTS AND SETTINGS\E470859\MY DOCUMENTS\PROJECTS\PORT ST LUCIE FL\CONTRACT WORKING
Location: City of Port St Lucie
Building Owner: City of Port St Lucie
Program User: Prakash
Company: City of Port St Lucie
Comments:

Cooling Design Period:	January thru December
Peak Hour Override:	0
Daylight Savings Period:	
Summer Period:	
Cooling Methodology:	TETD-TA1
Heating Methodology:	UATD
Infiltration Methodology:	Vary with wind speed
Outside Film Methodology:	Vary with wind speed
Terrain Methodology:	Flat terrain with some isolated objects
Room Circ Rate:	Medium
Wall Load To Plenum:	YES
Building Orientation:	0 degrees from north
Simulation Hours:	Full year
Calendar Code:	Standard (1978)
Energy Simulation Period:	January thru December

Location:	West Palm Beach, Florida	
Summer Design Dry Bulb:	92.30	°F
Summer Design Wet Bulb:	79.20	°F
Winter Design Dry Bulb:	45.00	°F
Summer Clearness Number:	0.90	
Winter Clearness Number:	0.95	
Summer Ground Reflectance:	0.20	
Winter Ground Reflectance:	0.20	
Carbon Dioxide Level:	400	ppm

Force VAV Min => Nominal Ventilation at Design:	No
Allow Energy Recovery/Transfer at Design:	No
Retest Design Peaks:	Yes
Calculate Building Block Loads:	Yes

ENTERED VALUES
PLANTS
By Honeywell Inc

Cooling Plant: Cooling plant - 001

Sizing method: Peak
Heat rejection type: None
Secondary distribution pump: None
Secondary pump consumption: 0 Ft Water
Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Off (0%)

Geothermal Loop

TLoop Ent Bldg: None
TLoop schedule: None
Flow rate: 100.00% of condenser flow rate
Loop pump None
Pump F.L. rate: 0.00ft water
Flow scheme: Fully mixed
Loop fluid glycol: 0%
Heat exchanger approach: 0°F

Equipment tag: Air-cooled chiller - 001

Cooling Type: Air Cooled Hel. Rot.-RTAC-140-250-Std

Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	200.0 tons	1.1480 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type	Full Load Consumption
Chilled water:	Cnst vol chill water pump	15.00 hp
Condenser water:	None	
Heat recovery or aux cond:	None	
Free cooling:	None	

Heat Rejection and Thermal Storage

Heat rejection type: MZ packaged rooftop cond fan
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Equipment Options

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Equipment tag: Air-cooled chiller - 002

Cooling Type: Air Cooled Hel. Rot.-RTAC-140-250-Std

Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	200.0 tons	1.1480 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type	Full Load Consumption
Chilled water:	Cnst vol chill water pump	15.00 hp
Condenser water:	None	
Heat recovery or aux cond:	None	
Free cooling:	None	

Heat Rejection and Thermal Storage

Heat rejection type: MZ packaged rooftop cond fan
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Equipment Options

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

ENTERED VALUES
PLANTS
By Honeywell Inc

Heating Plant: Heating plant - 001

Sizing method: Peak
Cogeneration type: None
Secondary distribution pump: None
Thermal storage type: None
Thermal storage capacity: 0 ton-hr

Equipment tag: Electric Resistance - 001 | Heating Type: Default electric resistance | Heating plant - 001

Heating capacity:
Energy rate: 100.00 % Effic.

Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Storage

Hot water pump type: None
Hot water pump cons: 0.00 kW

Equipment schedule: Available (100%)
Demand limiting priority:

Equipment tag: Electric Resistance - 002 | Heating Type: Default electric resistance | Heating plant - 001

Heating capacity:
Energy rate: 100.00 % Effic.

Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Storage

Hot water pump type: None
Hot water pump cons: 0.00 kW

Equipment schedule: Available (100%)
Demand limiting priority:

Base Utilities

Plant assigned to: Stand-alone
Type: Sample

Description: Sample
Demand limiting priority:

Schedule: Available (100%)
Hourly demand: 0.00 kW

Miscellaneous accessories

Plant assigned to: Cooling plant - 001
Equipment tag: All

Type: None
Description:

Schedule: Off (0%)
Energy: 0.00 kW

ENTERED VALUES
PLANTS
By Honeywell Inc

Cooling Plant: Cooling plant - 001

Sizing method: Peak
Heat rejection type: None
Secondary distribution pump: None
Secondary pump consumption: 0 Ft Water
Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Off (0%)

Geothermal Loop

TLoop Ent Bldg:	None	Flow scheme:	Fully mixed
TLoop schedule:	None	Loop fluid glycol:	0%
Flow rate:	100.00% of condenser flow rate	Heat exchanger approach:	0°F
Loop pump	None		
Pump F.L. rate:	0.00ft water		

Equipment tag: Air-cooled chiller - 001

Cooling Type: Air Cooled Hel. Rot.-RTAC-140-250-Std

Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	200.0 tons	1.1480 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type	Full Load Consumption
Chilled water:	Cnst vol chill water pump	15.00 hp
Condenser water:	None	
Heat recovery or aux cond:	None	
Free cooling:	None	

Heat Rejection and Thermal Storage

Heat rejection type: MZ packaged rooftop cond fan
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Equipment Options

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 33999999521443€

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Equipment tag: Air-cooled chiller - 002

Cooling Type: Air Cooled Hel. Rot.-RTAC-140-250-Std

Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	200.0 tons	1.1480 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type	Full Load Consumption
Chilled water:	Cnst vol chill water pump	15.00 hp
Condenser water:	None	
Heat recovery or aux cond:	None	
Free cooling:	None	

Heat Rejection and Thermal Storage

Heat rejection type: MZ packaged rooftop cond fan
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Equipment Options

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 33999999521443€

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

ENTERED VALUES
PLANTS
By Honeywell Inc

Heating Plant: Heating plant - 001

Sizing method: Peak
Cogeneration type: None
Secondary distribution pump: None
Thermal storage type: None
Thermal storage capacity: 0 ton-hr

Equipment tag: Electric Resistance - 001 — Heating Type: Default electric resistance — Heating plant - 001

Heating capacity:
Energy rate: 100.00 % Effic.

Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Storage

Hot water pump type: None
Hot water pump cons: 0.00 kW

Equipment schedule: Available (100%)
Demand limiting priority:

Equipment tag: Electric Resistance - 002 — Heating Type: Default electric resistance — Heating plant - 001

Heating capacity:
Energy rate: 100.00 % Effic.

Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Storage

Hot water pump type: None
Hot water pump cons: 0.00 kW

Equipment schedule: Available (100%)
Demand limiting priority:

Base Utilities

Plant assigned to: Stand-alone
Type: Sample

Description: Sample
Demand limiting priority:

Schedule: Available (100%)
Hourly demand: 0.00 kW

Miscellaneous accessories

Plant assigned to: Cooling plant - 001
Equipment tag: All

Type: None
Description:

Schedule: Off (0%)
Energy: 0.00 kW

ENTERED VALUES
PLANTS
By Honeywell Inc

Cooling Plant: Cooling plant - 001

Sizing method: Peak
Heat rejection type: None
Secondary distribution pump: None
Secondary pump consumption: 0 Ft Water
Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Off (0%)

Geothermal Loop

TLoop Ent Bldg:	None	Flow scheme:	Fully mixed
TLoop schedule:	None	Loop fluid glycol:	0%
Flow rate:	100.00% of condenser flow rate	Heat exchanger approach:	0°F
Loop pump	None		
Pump F.L. rate:	0.00ft water		

Equipment tag: Air-cooled chiller - 001

Cooling Type: Air Cooled Hel. Rot.-RTAC-140-250-Std

Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	200.0 tons	1.1480 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type	Full Load Consumption
Chilled water:	Cnst vol chill water pump	15.00 hp
Condenser water:	None	
Heat recovery or aux cond:	None	
Free cooling:	None	

Heat Rejection and Thermal Storage

Heat rejection type: MZ packaged rooftop cond fan
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Equipment Options

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 33999999521443€

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Equipment tag: Air-cooled chiller - 002

Cooling Type: Air Cooled Hel. Rot.-RTAC-140-250-Std

Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	200.0 tons	1.1480 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type	Full Load Consumption
Chilled water:	Cnst vol chill water pump	15.00 hp
Condenser water:	None	
Heat recovery or aux cond:	None	
Free cooling:	None	

Heat Rejection and Thermal Storage

Heat rejection type: MZ packaged rooftop cond fan
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Equipment Options

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 33999999521443€

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

ENTERED VALUES
PLANTS
By Honeywell Inc

Heating Plant: Heating plant - 001

Sizing method: Peak
Cogeneration type: None
Secondary distribution pump: None
Thermal storage type: None
Thermal storage capacity: 0 ton-hr

Equipment tag: Electric Resistance - 001

Heating Type: Default electric resistance

Heating plant - 001

Heating capacity:
Energy rate: 100.00 % Effic.

Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Storage

Hot water pump type: None
Hot water pump cons: 0.00 kW

Equipment schedule: Available (100%)
Demand limiting priority:

Equipment tag: Electric Resistance - 002

Heating Type: Default electric resistance

Heating plant - 001

Heating capacity:
Energy rate: 100.00 % Effic.

Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Storage

Hot water pump type: None
Hot water pump cons: 0.00 kW

Equipment schedule: Available (100%)
Demand limiting priority:

Base Utilities

Plant assigned to: Stand-alone
Type: Sample

Description: Sample
Demand limiting priority:

Schedule: Available (100%)
Hourly demand: 0.00 kW

Miscellaneous accessories

Plant assigned to: Cooling plant - 001
Equipment tag: All

Type: None
Description:

Schedule: Off (0%)
Energy: 0.00 kW

ENTERED VALUES
PLANTS
By Honeywell Inc

Cooling Plant: Cooling plant - 001

Sizing method: Peak
Heat rejection type: None
Secondary distribution pump: None
Secondary pump consumption: 0 Ft Water
Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Off (0%)

Geothermal Loop

TLoop Ent Bldg:	None	Flow scheme:	Fully mixed
TLoop schedule:	None	Loop fluid glycol:	0%
Flow rate:	100.00% of condenser flow rate	Heat exchanger approach:	0°F
Loop pump	None		
Pump F.L. rate:	0.00ft water		

Equipment tag: Air-cooled chiller - 001

Cooling Type: Air Cooled Hel. Rot.-RTAC-140-250-Std — Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	200.0 tons	1.1480 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type	Full Load Consumption
Chilled water:	Var vol chill water pump	15.00 hp
Condenser water:	None	
Heat recovery or aux cond:	None	
Free cooling:	None	

Heat Rejection and Thermal Storage

Heat rejection type: MZ packaged rooftop cond fan
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F

Equipment Options

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Equipment tag: Air-cooled chiller - 002

Cooling Type: Air Cooled Hel. Rot.-RTAC-140-250-Std — Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	200.0 tons	1.1480 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type	Full Load Consumption
Chilled water:	Var vol chill water pump	15.00 hp
Condenser water:	None	
Heat recovery or aux cond:	None	
Free cooling:	None	

Heat Rejection and Thermal Storage

Heat rejection type: MZ packaged rooftop cond fan
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F

Equipment Options

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

ENTERED VALUES
PLANTS
By Honeywell Inc

Heating Plant: Heating plant - 001

Sizing method: Peak
Cogeneration type: None
Secondary distribution pump: None
Thermal storage type: None
Thermal storage capacity: 0 ton-hr

Equipment tag: Electric Resistance - 001 — Heating Type: Default electric resistance — Heating plant - 001

Heating capacity:
Energy rate: 100.00 % Effic.

Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Storage

Hot water pump type: None
Hot water pump cons: 0.00 kW

Equipment schedule: Available (100%)
Demand limiting priority:

Equipment tag: Electric Resistance - 002 — Heating Type: Default electric resistance — Heating plant - 001

Heating capacity:
Energy rate: 100.00 % Effic.

Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Storage

Hot water pump type: None
Hot water pump cons: 0.00 kW

Equipment schedule: Available (100%)
Demand limiting priority:

Base Utilities

Plant assigned to: Stand-alone
Type: Sample

Description: Sample
Demand limiting priority:

Schedule: Available (100%)
Hourly demand: 0.00 kW

Miscellaneous accessories

Plant assigned to: Cooling plant - 001
Equipment tag: All

Type: None
Description:

Schedule: Off (0%)
Energy: 0.00 kW

ENTERED VALUES

ROOM ASSIGNMENTS

By Honeywell Inc

ASSIGNED ROOMS

Description
System - 001
System - 001
System - 001
System - 001
W1-R1 NE
W1-R1 NE
W1-R1 NE
W1-R1 NE
W1-R2 SE
W1-R2 SE
W1-R2 SE
W1-R2 SE
W1-R3 Int
W1-R3 Int
W1-R3 Int
W1-R3 Int
W1-R4 NW
W1-R4 NW
W1-R4 NW
W1-R4 NW
System - 002
System - 002
System - 002
System - 002
W2-R10 Int_1
W2-R10 Int_1
W2-R10 Int_1
W2-R10 Int_1
W2-R10 Int_2
W2-R10 Int_2
W2-R10 Int_2
W2-R10 Int_2
W2-R6 NE_1
W2-R6 NE_1
W2-R6 NE_1
W2-R6 NE_1
W2-R7 SE
W2-R7 SE
W2-R7 SE
W2-R7 SE
W2-R8 SW_2
W2-R8 SW_2
W2-R8 SW_2
W2-R8 SW_2
W2-R8 SW_3
W2-R8 SW_3
W2-R8 SW_3
W2-R8 SW_3
System - 003
System - 003
System - 003
System - 003
W2-R10 Int_3
W2-R10 Int_3
W2-R10 Int_3
W2-R10 Int_3
W2-R6 NE_2
W2-R6 NE_2
W2-R6 NE_2
W2-R6 NE_2
W2-R8 SW_1
W2-R8 SW_1
W2-R8 SW_1
W2-R8 SW_1

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W1-R1 NE | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area: 10,663 ft² | Flr-Flr Height: 14.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: None

Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Restaurant
# of People: 15 sq ft/person
People Sensible: 275 Btu/h
People Latent : 275 Btu/h
People Schedule: People - Elementary Gym

Workstation: 10.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_Old
Lighting Amount: 1.2 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	2,500.00 cfm	2,500.00 cfm
Vent Schedule:	Vent - Elementary Gym	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.30 air changes/hr	0.30 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	2,200.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	10,663 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
NE Wall	2,370 ft²	45	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	474	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	2.0 W/sq ft			Misc - Motel			None							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W1-R2 SE | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area: 11,030 ft² Flr-Flr Height: 14.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Restaurant
# of People: 15 sq ft/person
People Sensible: 275 Btu/h
People Latent : 275 Btu/h
People Schedule: People - Elementary Gym

Workstation: 10.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_Old
Lighting Amount: 1.2 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	500.00 cfm	500.00 cfm
Vent Schedule:	Vent - Elementary Gym	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.30 air changes/hr	0.30 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	400.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Glass Area ft²	Glass Shade Coef	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	11,030 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
SE Wall	2,709 ft²	135	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	542	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	2.0 W/sq ft			Misc - Motel			None							100	100	0	60.00

Room Description: W1-R3 Int | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area: 23,897 ft² Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft Height Above Flr:
Slab Cnstr Type: 8" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: NO
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Restaurant
# of People: 15 sq ft/person
People Sensible: 275 Btu/h
People Latent : 275 Btu/h
People Schedule: People - Elementary Gym

Workstation: 10.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_Old
Lighting Amount: 1.2 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	12,000.00 cfm	12,000.00 cfm
Vent Schedule:	Vent - Elementary Gym	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.30 air changes/hr	0.30 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	10,000.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Glass Area ft²	Glass Shade Coef	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	23,897 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
Misc Load 1	2.0 W/sq ft			SA-Misc - Alt1 City of			None							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W1-R4 NW | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area: 11,870 ft² | Flr-Flr Height: 14.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 72.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: Hstat
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: None | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Classroom
# of People: 20 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: People - School
Workstation: 2.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_Old
Lighting Amount: 1.2 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	4,250.00 cfm	4,250.00 cfm
Vent Schedule:	Vent - Elementary School	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.30 air changes/hr	0.30 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	4,000.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	11,870 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
NW Wall	2,842 ft²	315	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Double Coated 1/4"	568	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.2 W/sq ft			Misc - Elementary School			Electricity							100	100	0	60.00

Room Description: W2-R10 Int_1 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area: 5,565 ft² | Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft | Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Conference Room
# of People: 20 sq ft/person
People Sensible: 245 Btu/h
People Latent : 155 Btu/h
People Schedule: People - Training Schedule
Workstation: 5.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_Old
Lighting Amount: 1.2 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	5,500.00 cfm	5,500.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.30 air changes/hr	0.30 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	5,200.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	5,565 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
Misc Load 1	0.5 W/sq ft			SA-Misc - Alt1 City of			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R10 Int_2 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area:	3,268 ft²	Flr-Flr Height:	14.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" HW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	72.0 °F / 75.0 °F		
Design Htg DB / Drift Point:	68.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	PSL_Civic_Old		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	None
# of People:	10 People
People Sensible:	0 Btu/h
People Latent :	0 Btu/h
People Schedule:	People - Hotel ballroom
Workstation:	0.0 workstation/person

LIGHTS

Lighting Type:	Recessed fluorescent, not vented, 80% load to space
Fixture Type:	RECFL-NV
% Load to RA:	20 %
Lighting Schedule:	Lighting_PSL_Civic_Old
Lighting Amount:	1.2 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,000.00 cfm	1,000.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.30 air changes/hr	0.30 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	800.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef

Room Description: W2-R6 NE_1 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area:	9,555 ft²	Flr-Flr Height:	40.0 ft
Plenum Height:	5.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" HW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	68.0 °F / 75.0 °F		
Design Htg DB / Drift Point:	68.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	PSL_Civic_Old		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	Conference Room
# of People:	20 sq ft/person
People Sensible:	245 Btu/h
People Latent :	155 Btu/h
People Schedule:	People - Hotel ballroom
Workstation:	5.0 workstations

LIGHTS

Lighting Type:	Incadescent, hung below ceiling, 100% load to space
Fixture Type:	INCAND
% Load to RA:	0 %
Lighting Schedule:	Lighting_PSL_Civic_Old
Lighting Amount:	1.2 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	8,000.00 cfm	8,000.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.30 air changes/hr	0.30 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	7,000.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	9,555 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
NE Wall	4,200 ft²	45	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	840	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	2.0 W/sq ft			Misc - Restaurant			None							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R7 SE | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area:	10,230 ft²	Flr-Flr Height:	14.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	8" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	PSL_Civic_Old		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	Cafeteria
# of People:	10 sq ft/person
People Sensible:	275 Btu/h
People Latent :	275 Btu/h
People Schedule:	People - Elementary kitchen
Workstation:	3.0 workstations

LIGHTS

Lighting Type:	Incadescent, hung below ceiling, 100% load to space
Fixture Type:	INCAND
% Load to RA:	0 %
Lighting Schedule:	Lighting_PSL_Civic_Old
Lighting Amount:	1.2 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,500.00 cfm	1,500.00 cfm
Vent Schedule:	Vent - Elementary kitchen	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.30 air changes/hr	0.30 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	1,200.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	10,230 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
SE Wall	2,170 ft²	135	0	8" HW Block, 3" Ins	0.0801	0.90											
Opening - 1				Window			Double Coated 1/4"	434	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	2.0 W/sq ft			Misc - Restaurant			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R8 SW_2 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area: 4,940 ft² | Flr-Flr Height: 14.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 8" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 72.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: Hstat

Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space (62.1 - 2007)
# of People: 200 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: People - Office

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_Old
Lighting Amount: 1.2 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	420.00 cfm	420.00 cfm
Vent Schedule:	Vent - Office	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.30 air changes/hr	0.30 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	380.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	4,940 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
SW Wall	1,064 ft²	225	0	8" HW Block, 3" Ins	0.0801	0.90											
Opening - 1				Window			Double Coated 1/4"	213	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			People - Office			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R8 SW_3 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area: 6,825 ft² Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: None
Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Conference Room
# of People: 20 sq ft/person
People Sensible: 245 Btu/h
People Latent : 155 Btu/h
People Schedule: People - Training Schedule
Workstation: 5.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_Old
Lighting Amount: 1.2 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	5,500.00 cfm	5,500.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.30 air changes/hr	0.30 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	5,200.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	6,825 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
SW Wall	4,200 ft²	225	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	840	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			SA-Misc - Alt1 City of			Electricity							100	100	0	60.00

Room Description: W2-R10 Int_3 | **Zone Description: No Zone** | **System Description: System - 003**

GENERAL INFORMATION

Floor Area: 3,510 ft² Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: NO
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: Hstat
Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Restaurant
# of People: 15 sq ft/person
People Sensible: 275 Btu/h
People Latent : 275 Btu/h
People Schedule: SA-People - Alt1 City of PSL_Civic cente
Workstation: 3.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_Old
Lighting Amount: 1.2 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,000.00 cfm	1,000.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.30 air changes/hr	0.30 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	800.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	3,510 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
Misc Load 1	0.5 W/sq ft			SA-Misc - Alt1 City of			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R6 NE_2 | **Zone Description: No Zone** | **System Description: System - 003**

GENERAL INFORMATION

Floor Area: 3,977 ft² Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: Hstat

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Hotel/Motel Lobby
# of People: 33 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: People - Hotel ballroom

Workstation: 3.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_Old
Lighting Amount: 1.2 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,000.00 cfm	1,000.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.30 air changes/hr	0.30 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	800.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Glass Area ft²	Glass Shade Coef	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	3,977 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
NE Wall	4,820 ft²	45	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	964	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Misc - Restaurant			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R8 SW_1 | **Zone Description: No Zone** | **System Description: System - 003**

GENERAL INFORMATION

Floor Area: 1,890 ft² Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: Hstat

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Hotel/Motel Lobby
# of People: 33 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: SA-People - Alt1 City of PSL_Civic cente

Workstation: 3.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_Old
Lighting Amount: 1.2 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,000.00 cfm	1,000.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.30 air changes/hr	0.30 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	800.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Glass Area ft²	Glass Shade Coef	Glass U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	1,890 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
SW Wall	2,160 ft²	225	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	432	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			SA-Misc - Alt1 City of			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W1-R1 NE | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area:	10,663 ft²	Flr-Flr Height:	14.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" HW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	68.0 °F / 75.0 °F		
Design Htg DB / Drift Point:	68.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	PSL_Civic_Old		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	Restaurant
# of People:	15 sq ft/person
People Sensible:	275 Btu/h
People Latent :	275 Btu/h
People Schedule:	People - Elementary Gym
Workstation:	10.0 workstations

LIGHTS

Lighting Type:	Incadescent, hung below ceiling, 100% load to space
Fixture Type:	INCAND
% Load to RA:	0 %
Lighting Schedule:	Lighting_PSL_Civic_New
Lighting Amount:	1.0 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	2,500.00 cfm	2,500.00 cfm
Vent Schedule:	Vent - Elementary Gym	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.30 air changes/hr	0.30 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	2,200.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	10,663 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
NE Wall	2,370 ft²	45	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	474	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	2.0 W/sq ft			Misc - Motel			None							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W1-R2 SE | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area:	11,030 ft²	Flr-Flr Height:	14.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" HW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	68.0 °F / 75.0 °F		
Design Htg DB / Drift Point:	68.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	PSL_Civic_Old		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	Restaurant
# of People:	15 sq ft/person
People Sensible:	275 Btu/h
People Latent :	275 Btu/h
People Schedule:	People - Elementary Gym
Workstation:	10.0 workstations

LIGHTS

Lighting Type:	Incadescent, hung below ceiling, 100% load to space
Fixture Type:	INCAND
% Load to RA:	0 %
Lighting Schedule:	Lighting_PSL_Civic_New
Lighting Amount:	1.0 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	500.00 cfm	500.00 cfm
Vent Schedule:	Vent - Elementary Gym	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.30 air changes/hr	0.30 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	400.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	11,030 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
SE Wall	2,709 ft²	135	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	542	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	2.0 W/sq ft			Misc - Motel			None							100	100	0	60.00

Room Description: W1-R3 Int | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area:	23,897 ft²	Flr-Flr Height:	40.0 ft
Plenum Height:	5.0 ft	Height Above Flr:	
Slab Cnstr Type:	8" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	NO		
Design Clg DB / Drift Point:	68.0 °F / 75.0 °F		
Design Htg DB / Drift Point:	68.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	PSL_Civic_Old		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	Restaurant
# of People:	15 sq ft/person
People Sensible:	275 Btu/h
People Latent :	275 Btu/h
People Schedule:	People - Elementary Gym
Workstation:	10.0 workstations

LIGHTS

Lighting Type:	Incadescent, hung below ceiling, 100% load to space
Fixture Type:	INCAND
% Load to RA:	0 %
Lighting Schedule:	Lighting_PSL_Civic_New
Lighting Amount:	1.0 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	12,000.00 cfm	12,000.00 cfm
Vent Schedule:	Vent - Elementary Gym	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.30 air changes/hr	0.30 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	10,000.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	23,897 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
Misc Load 1	2.0 W/sq ft			SA-Misc - Alt1 City of			None							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W1-R4 NW | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area:	11,870 ft²	Flr-Flr Height:	14.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	72.0 °F / 75.0 °F		
Design Htg DB / Drift Point:	68.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	PSL_Civic_Old		
Htg Tstat:	Hstat		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	None	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	Classroom
# of People:	20 sq ft/person
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	People - School
Workstation:	2.0 workstations

LIGHTS

Lighting Type:	Incadescent, hung below ceiling, 100% load to space
Fixture Type:	INCAND
% Load to RA:	0 %
Lighting Schedule:	Lighting_PSL_Civic_New
Lighting Amount:	1.0 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	4,250.00 cfm	4,250.00 cfm
Vent Schedule:	Vent - Elementary School	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.30 air changes/hr	0.30 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	4,000.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	11,870 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
NW Wall	2,842 ft²	315	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Double Coated 1/4"	568	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.2 W/sq ft			Misc - Elementary School			Electricity							100	100	0	60.00

Room Description: W2-R10 Int_1 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area:	5,565 ft²	Flr-Flr Height:	40.0 ft
Plenum Height:	5.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" HW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	68.0 °F / 75.0 °F		
Design Htg DB / Drift Point:	68.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	PSL_Civic_Old		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	Conference Room
# of People:	20 sq ft/person
People Sensible:	245 Btu/h
People Latent :	155 Btu/h
People Schedule:	People - Training Schedule
Workstation:	5.0 workstations

LIGHTS

Lighting Type:	Incadescent, hung below ceiling, 100% load to space
Fixture Type:	INCAND
% Load to RA:	0 %
Lighting Schedule:	Lighting_PSL_Civic_New
Lighting Amount:	1.0 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	5,500.00 cfm	5,500.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.30 air changes/hr	0.30 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	5,200.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	5,565 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
Misc Load 1	0.5 W/sq ft			SA-Misc - Alt1 City of			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R10 Int_2 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area: 3,268 ft² | Flr-Flr Height: 14.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 72.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: None
# of People: 10 People
People Sensible: 0 Btu/h
People Latent : 0 Btu/h
People Schedule: People - Hotel ballroom
Workstation: 0.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,000.00 cfm	1,000.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.30 air changes/hr	0.30 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	800.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	9,555 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
NE Wall	4,200 ft²	45	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	840	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	2.0 W/sq ft			Misc - Restaurant			None							100	100	0	60.00

Room Description: W2-R6 NE_1 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area: 9,555 ft² | Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft | Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Conference Room
# of People: 20 sq ft/person
People Sensible: 245 Btu/h
People Latent : 155 Btu/h
People Schedule: People - Hotel ballroom
Workstation: 5.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	8,000.00 cfm	8,000.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.30 air changes/hr	0.30 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	7,000.00 cfm	
Rm Exh Sched:	Available (100%)	

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R7 SE | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area: 10,230 ft² | Flr-Flr Height: 14.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 8" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: None

Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Cafeteria
# of People: 10 sq ft/person
People Sensible: 275 Btu/h
People Latent : 275 Btu/h
People Schedule: People - Elementary kitchen

Workstation: 3.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,500.00 cfm	1,500.00 cfm
Vent Schedule:	Vent - Elementary kitchen	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.30 air changes/hr	0.30 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	1,200.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	10,230 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90											
SE Wall	2,170 ft²	135	0	8" HW Block, 3" Ins	0.0801	0.90		0			Overhang - None	None					
Opening - 1				Window			Double Coated 1/4"	434	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	2.0 W/sq ft			Misc - Restaurant			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R8 SW_2 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area:	4,940 ft²	Flr-Flr Height:	14.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	8" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	72.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	PSL_Civic_Old		
Htg Tstat:	Hstat		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	General Office Space (62.1 - 2007)
# of People:	200 sq ft/person
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	People - Office
Workstation:	1.0 workstation/person

LIGHTS

Lighting Type:	Incadescent, hung below ceiling, 100% load to space
Fixture Type:	INCAND
% Load to RA:	0 %
Lighting Schedule:	Lighting_PSL_Civic_New
Lighting Amount:	1.0 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	420.00 cfm	420.00 cfm
Vent Schedule:	Vent - Office	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.30 air changes/hr	0.30 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	380.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	4,940 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
SW Wall	1,064 ft²	225	0	8" HW Block, 3" Ins	0.0801	0.90											
Opening - 1				Window			Double Coated 1/4"	213	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			People - Office			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R8 SW_3 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area: 6,825 ft² | Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft | Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: None

Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Conference Room
# of People: 20 sq ft/person
People Sensible: 245 Btu/h
People Latent : 155 Btu/h
People Schedule: People - Training Schedule

Workstation: 5.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	5,500.00 cfm	5,500.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.30 air changes/hr	0.30 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	5,200.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	6,825 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90											
SW Wall	4,200 ft²	225	0	8" LW Block, 6" Ins	0.0427	0.90		0			Overhang - None	None					
Opening - 1				Window			Double Coated 1/4"	840	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			SA-Misc - Alt1 City of			Electricity							100	100	0	60.00

Room Description: W2-R10 Int_3 | **Zone Description: No Zone** | **System Description: System - 003**

GENERAL INFORMATION

Floor Area: 3,510 ft² | Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft | Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: NO
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: Hstat

Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Restaurant
# of People: 15 sq ft/person
People Sensible: 275 Btu/h
People Latent : 275 Btu/h
People Schedule: SA-People - Alt1 City of PSL_Civic cente

Workstation: 3.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,000.00 cfm	1,000.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.30 air changes/hr	0.30 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	800.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	3,510 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90											
Misc Load 1	0.5 W/sq ft			SA-Misc - Alt1 City of			Electricity	0			Overhang - None	None		100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R6 NE_2 | **Zone Description: No Zone** | **System Description: System - 003**

GENERAL INFORMATION

Floor Area:	3,977 ft²	Flr-Flr Height:	40.0 ft
Plenum Height:	5.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" HW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	PSL_Civic_Old		
Htg Tstat:	Hstat		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	Hotel/Motel Lobby
# of People:	33 sq ft/person
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	People - Hotel ballroom
Workstation:	3.0 workstations

LIGHTS

Lighting Type:	Incadescent, hung below ceiling, 100% load to space
Fixture Type:	INCAND
% Load to RA:	0 %
Lighting Schedule:	Lighting_PSL_Civic_New
Lighting Amount:	1.0 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,000.00 cfm	1,000.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.30 air changes/hr	0.30 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	800.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	3,977 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
NE Wall	4,820 ft²	45	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	964	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Misc - Restaurant			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R8 SW_1 **Zone Description: No Zone** **System Description: System - 003**

GENERAL INFORMATION

Floor Area: 1,890 ft² Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: Hstat

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Hotel/Motel Lobby
# of People: 33 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: SA-People - Alt1 City of PSL_Civic cente

Workstation: 3.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,000.00 cfm	1,000.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.30 air changes/hr	0.30 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	800.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	1,890 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
SW Wall	2,160 ft²	225	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	432	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			SA-Misc - Alt1 City of			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W1-R1 NE | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area:	10,663 ft²	Flr-Flr Height:	14.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" HW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	68.0 °F / 75.0 °F		
Design Htg DB / Drift Point:	68.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	PSL_Civic_Old		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	Restaurant
# of People:	15 sq ft/person
People Sensible:	275 Btu/h
People Latent :	275 Btu/h
People Schedule:	People - Elementary Gym
Workstation:	10.0 workstations

LIGHTS

Lighting Type:	Incadescent, hung below ceiling, 100% load to space
Fixture Type:	INCAND
% Load to RA:	0 %
Lighting Schedule:	Lighting_PSL_Civic_New
Lighting Amount:	1.0 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	2,500.00 cfm	2,500.00 cfm
Vent Schedule:	Vent - Elementary Gym	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	2,200.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Gmd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	10,663 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90											
NE Wall	2,370 ft²	45	0	8" LW Block, 6" Ins	0.0427	0.90		0			Overhang - None	None					
Opening - 1				Window			Double Coated 1/4"	474	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	2.0 W/sq ft			Misc - Motel			None							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: W1-R2 SE | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area:	11,030 ft²	Flr-Flr Height:	14.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" HW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	68.0 °F / 75.0 °F		
Design Htg DB / Drift Point:	68.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	PSL_Civic_Old		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	Restaurant
# of People:	15 sq ft/person
People Sensible:	275 Btu/h
People Latent :	275 Btu/h
People Schedule:	People - Elementary Gym
Workstation:	10.0 workstations

LIGHTS

Lighting Type:	Incadescent, hung below ceiling, 100% load to space
Fixture Type:	INCAND
% Load to RA:	0 %
Lighting Schedule:	Lighting_PSL_Civic_New
Lighting Amount:	1.0 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	500.00 cfm	500.00 cfm
Vent Schedule:	Vent - Elementary Gym	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	400.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	11,030 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
SE Wall	2,709 ft²	135	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	542	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	2.0 W/sq ft			Misc - Motel			None							100	100	0	60.00

Room Description: W1-R3 Int | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area:	23,897 ft²	Flr-Flr Height:	40.0 ft
Plenum Height:	5.0 ft	Height Above Flr:	
Slab Cnstr Type:	8" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	NO		
Design Clg DB / Drift Point:	68.0 °F / 75.0 °F		
Design Htg DB / Drift Point:	68.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	PSL_Civic_Old		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	Restaurant
# of People:	15 sq ft/person
People Sensible:	275 Btu/h
People Latent :	275 Btu/h
People Schedule:	People - Elementary Gym
Workstation:	10.0 workstations

LIGHTS

Lighting Type:	Incadescent, hung below ceiling, 100% load to space
Fixture Type:	INCAND
% Load to RA:	0 %
Lighting Schedule:	Lighting_PSL_Civic_New
Lighting Amount:	1.0 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	12,000.00 cfm	12,000.00 cfm
Vent Schedule:	Vent - Elementary Gym	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	10,000.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	23,897 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
Misc Load 1	2.0 W/sq ft			SA-Misc - Alt1 City of			None							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W1-R4 NW | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area: 11,870 ft² | Flr-Flr Height: 14.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 72.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: Hstat

Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: None | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Classroom
# of People: 20 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: People - School

Workstation: 2.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	4,250.00 cfm	4,250.00 cfm
Vent Schedule:	Vent - Elementary School	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	4,000.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	11,870 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
NW Wall	2,842 ft²	315	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Double Coated 1/4"	568	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.2 W/sq ft			Misc - Elementary School			Electricity							100	100	0	60.00

Room Description: W2-R10 Int_1 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area: 5,565 ft² | Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft | Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: None

Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Conference Room
# of People: 20 sq ft/person
People Sensible: 245 Btu/h
People Latent : 155 Btu/h
People Schedule: People - Training Schedule

Workstation: 5.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	5,500.00 cfm	5,500.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	5,200.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	5,565 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
Misc Load 1	0.5 W/sq ft			SA-Misc - Alt1 City of			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R10 Int_2 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area: 3,268 ft² Flr-Flr Height: 14.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 72.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: None
# of People: 10 People
People Sensible: 0 Btu/h
People Latent : 0 Btu/h
People Schedule: People - Hotel ballroom

Workstation: 0.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,000.00 cfm	1,000.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	800.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef

Room Description: W2-R6 NE_1 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area: 9,555 ft² Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Conference Room
# of People: 20 sq ft/person
People Sensible: 245 Btu/h
People Latent : 155 Btu/h
People Schedule: People - Hotel ballroom

Workstation: 5.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	8,000.00 cfm	8,000.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	7,000.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	9,555 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
NE Wall	4,200 ft²	45	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	840	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	2.0 W/sq ft			Misc - Restaurant			None							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R7 SE | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area:	10,230 ft²	Flr-Flr Height:	14.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	8" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	PSL_Civic_Old		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	Cafeteria
# of People:	10 sq ft/person
People Sensible:	275 Btu/h
People Latent :	275 Btu/h
People Schedule:	People - Elementary kitchen
Workstation:	3.0 workstations

LIGHTS

Lighting Type:	Incadescent, hung below ceiling, 100% load to space
Fixture Type:	INCAND
% Load to RA:	0 %
Lighting Schedule:	Lighting_PSL_Civic_New
Lighting Amount:	1.0 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,500.00 cfm	1,500.00 cfm
Vent Schedule:	Vent - Elementary kitchen	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	1,200.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Glass Area ft²	Glass Shade Coef	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	10,230 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
SE Wall	2,170 ft²	135	0	8" HW Block, 3" Ins	0.0801	0.90											
Opening - 1				Window			Double Coated 1/4"	434	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	2.0 W/sq ft			Misc - Restaurant			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R8 SW_2 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area: 4,940 ft² | Flr-Flr Height: 14.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 8" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 72.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: Hstat

Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space (62.1 - 2007)
# of People: 200 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: People - Office

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	420.00 cfm	420.00 cfm
Vent Schedule:	Vent - Office	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	380.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	4,940 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
SW Wall	1,064 ft²	225	0	8" HW Block, 3" Ins	0.0801	0.90											
Opening - 1				Window			Double Coated 1/4"	213	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			People - Office			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R8 SW_3 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area: 6,825 ft² | Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft | Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Conference Room
# of People: 20 sq ft/person
People Sensible: 245 Btu/h
People Latent : 155 Btu/h
People Schedule: People - Training Schedule
Workstation: 5.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	5,500.00 cfm	5,500.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	5,200.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	6,825 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
SW Wall	4,200 ft²	225	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	840	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			SA-Misc - Alt1 City of			Electricity							100	100	0	60.00

Room Description: W2-R10 Int_3 | **Zone Description: No Zone** | **System Description: System - 003**

GENERAL INFORMATION

Floor Area: 3,510 ft² | Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft | Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: NO
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: Hstat
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Restaurant
# of People: 15 sq ft/person
People Sensible: 275 Btu/h
People Latent : 275 Btu/h
People Schedule: SA-People - Alt1 City of PSL_Civic cente
Workstation: 3.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,000.00 cfm	1,000.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	800.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	3,510 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
Misc Load 1	0.5 W/sq ft			SA-Misc - Alt1 City of			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R6 NE_2 | **Zone Description: No Zone** | **System Description: System - 003**

GENERAL INFORMATION

Floor Area: 3,977 ft² Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: Hstat

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Hotel/Motel Lobby
# of People: 33 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: People - Hotel ballroom

Workstation: 3.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,000.00 cfm	1,000.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	800.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	3,977 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
NE Wall	4,820 ft²	45	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	964	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Misc - Restaurant			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R8 SW_1 **Zone Description: No Zone** **System Description: System - 003**

GENERAL INFORMATION

Floor Area: 1,890 ft² Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: Hstat

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Hotel/Motel Lobby
# of People: 33 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: SA-People - Alt1 City of PSL_Civic cente

Workstation: 3.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,000.00 cfm	1,000.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	800.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	1,890 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
SW Wall	2,160 ft²	225	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	432	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			SA-Misc - Alt1 City of			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W1-R1 NE | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area: 10,663 ft² | Flr-Flr Height: 14.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: None

Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Restaurant
# of People: 15 sq ft/person
People Sensible: 275 Btu/h
People Latent : 275 Btu/h
People Schedule: People - Elementary Gym

Workstation: 10.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	2,500.00 cfm	2,500.00 cfm
Vent Schedule:	Vent - Elementary Gym	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	2,200.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	10,663 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
NE Wall	2,370 ft²	45	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	474	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	2.0 W/sq ft			Misc - Motel			None							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W1-R2 SE | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area: 11,030 ft² | Flr-Flr Height: 14.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Restaurant
# of People: 15 sq ft/person
People Sensible: 275 Btu/h
People Latent : 275 Btu/h
People Schedule: People - Elementary Gym
Workstation: 10.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	500.00 cfm	500.00 cfm
Vent Schedule:	Vent - Elementary Gym	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	400.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	11,030 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
SE Wall	2,709 ft²	135	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	542	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	2.0 W/sq ft			Misc - Motel			None							100	100	0	60.00

Room Description: W1-R3 Int | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area: 23,897 ft² | Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft | Height Above Flr:
Slab Cnstr Type: 8" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: NO
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Restaurant
# of People: 15 sq ft/person
People Sensible: 275 Btu/h
People Latent : 275 Btu/h
People Schedule: People - Elementary Gym
Workstation: 10.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	12,000.00 cfm	12,000.00 cfm
Vent Schedule:	Vent - Elementary Gym	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	10,000.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	23,897 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
Misc Load 1	2.0 W/sq ft			SA-Misc - Alt1 City of			None							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W1-R4 NW | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area: 11,870 ft² | Flr-Flr Height: 14.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 72.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: Hstat
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: None | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Classroom
# of People: 20 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: People - School
Workstation: 2.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	4,250.00 cfm	4,250.00 cfm
Vent Schedule:	Vent - Elementary School	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	4,000.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	11,870 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
NW Wall	2,842 ft²	315	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Double Coated 1/4"	568	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.2 W/sq ft			Misc - Elementary School			Electricity							100	100	0	60.00

Room Description: W2-R10 Int_1 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area: 5,565 ft² | Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft | Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Conference Room
# of People: 20 sq ft/person
People Sensible: 245 Btu/h
People Latent : 155 Btu/h
People Schedule: People - Training Schedule
Workstation: 5.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	5,500.00 cfm	5,500.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	5,200.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	5,565 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
Misc Load 1	0.5 W/sq ft			SA-Misc - Alt1 City of			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R10 Int_2 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area: 3,268 ft² Flr-Flr Height: 14.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 72.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: None
# of People: 10 People
People Sensible: 0 Btu/h
People Latent : 0 Btu/h
People Schedule: People - Hotel ballroom

Workstation: 0.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,000.00 cfm	1,000.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	800.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef

Room Description: W2-R6 NE_1 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area: 9,555 ft² Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Conference Room
# of People: 20 sq ft/person
People Sensible: 245 Btu/h
People Latent : 155 Btu/h
People Schedule: People - Hotel ballroom

Workstation: 5.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	8,000.00 cfm	8,000.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	7,000.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	9,555 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
NE Wall	4,200 ft²	45	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	840	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	2.0 W/sq ft			Misc - Restaurant			None							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R7 SE | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area:	10,230 ft²	Flr-Flr Height:	14.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	8" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	PSL_Civic_Old		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	Cafeteria
# of People:	10 sq ft/person
People Sensible:	275 Btu/h
People Latent :	275 Btu/h
People Schedule:	People - Elementary kitchen
Workstation:	3.0 workstations

LIGHTS

Lighting Type:	Incadescent, hung below ceiling, 100% load to space
Fixture Type:	INCAND
% Load to RA:	0 %
Lighting Schedule:	Lighting_PSL_Civic_New
Lighting Amount:	1.0 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,500.00 cfm	1,500.00 cfm
Vent Schedule:	Vent - Elementary kitchen	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	1,200.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	10,230 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90											
SE Wall	2,170 ft²	135	0	8" HW Block, 3" Ins	0.0801	0.90		0			Overhang - None	None					
Opening - 1				Window			Double Coated 1/4"	434	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	2.0 W/sq ft			Misc - Restaurant			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R8 SW_2 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area:	4,940 ft²	Flr-Flr Height:	14.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	8" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	72.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	PSL_Civic_Old		
Htg Tstat:	Hstat		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	General Office Space (62.1 - 2007)
# of People:	200 sq ft/person
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	People - Office
Workstation:	1.0 workstation/person

LIGHTS

Lighting Type:	Incadescent, hung below ceiling, 100% load to space
Fixture Type:	INCAND
% Load to RA:	0 %
Lighting Schedule:	Lighting_PSL_Civic_New
Lighting Amount:	1.0 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	420.00 cfm	420.00 cfm
Vent Schedule:	Vent - Office	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	380.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Glass Area ft²	Glass Shade Coef	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	4,940 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
SW Wall	1,064 ft²	225	0	8" HW Block, 3" Ins	0.0801	0.90											
Opening - 1				Window			Double Coated 1/4"	213	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			People - Office			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R8 SW_3 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area: 6,825 ft² | Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft | Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: None

Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Conference Room
# of People: 20 sq ft/person
People Sensible: 245 Btu/h
People Latent : 155 Btu/h
People Schedule: People - Training Schedule

Workstation: 5.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	5,500.00 cfm	5,500.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	5,200.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	6,825 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
SW Wall	4,200 ft²	225	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	840	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			SA-Misc - Alt1 City of			Electricity							100	100	0	60.00

Room Description: W2-R10 Int_3 | **Zone Description: No Zone** | **System Description: System - 003**

GENERAL INFORMATION

Floor Area: 3,510 ft² | Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft | Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: NO
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: Hstat

Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Restaurant
# of People: 15 sq ft/person
People Sensible: 275 Btu/h
People Latent : 275 Btu/h
People Schedule: SA-People - Alt1 City of PSL_Civic cente

Workstation: 3.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,000.00 cfm	1,000.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	800.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	3,510 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
Misc Load 1	0.5 W/sq ft			SA-Misc - Alt1 City of			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R6 NE_2 | **Zone Description: No Zone** | **System Description: System - 003**

GENERAL INFORMATION

Floor Area:	3,977 ft²	Flr-Flr Height:	40.0 ft
Plenum Height:	5.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" HW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	PSL_Civic_Old		
Htg Tstat:	Hstat		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	Hotel/Motel Lobby
# of People:	33 sq ft/person
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	People - Hotel ballroom
Workstation:	3.0 workstations

LIGHTS

Lighting Type:	Incadescent, hung below ceiling, 100% load to space
Fixture Type:	INCAND
% Load to RA:	0 %
Lighting Schedule:	Lighting_PSL_Civic_New
Lighting Amount:	1.0 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,000.00 cfm	1,000.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	800.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	3,977 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
NE Wall	4,820 ft²	45	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	964	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Misc - Restaurant			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R8 SW_1 | **Zone Description: No Zone** | **System Description: System - 003**

GENERAL INFORMATION

Floor Area:	1,890 ft²	Flr-Flr Height:	40.0 ft
Plenum Height:	5.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" HW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	PSL_Civic_Old		
Htg Tstat:	Hstat		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	Hotel/Motel Lobby
# of People:	33 sq ft/person
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	SA-People - Alt1 City of PSL_Civic cente
Workstation:	3.0 workstations

LIGHTS

Lighting Type:	Incadescent, hung below ceiling, 100% load to space
Fixture Type:	INCAND
% Load to RA:	0 %
Lighting Schedule:	Lighting_PSL_Civic_New
Lighting Amount:	1.0 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,000.00 cfm	1,000.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	800.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	1,890 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90											
SW Wall	2,160 ft²	225	0	8" LW Block, 6" Ins	0.0427	0.90		0			Overhang - None	None					
Opening - 1				Window			Double Coated 1/4"	432	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			SA-Misc - Alt1 City of			Electricity							100	100	0	60.00

SYSTEM ENTERED VALUES

By Honeywell Inc

System - 001 - Variable Volume Reheat (30% Min Flow Default)

Design Air Conditions

	Max	Min			
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:
Heating supply:					

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Block		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)
Max reset:	
Use system default outside air reset:	Yes

Supply air path / duct location:	Return Air
Space convective gains to occupied layer:	100 %
Underfloor plenum height:	0.0 ft
Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
Upstream nominal leakage fraction:	0 %
Downstream constant leakage fraction:	0 %
Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Activate After Primary System	None
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:		Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.5 in. wg	0.00035 kW/Cfm-in wg	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

System - 002 - Variable Volume Reheat (30% Min Flow Default)

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Block		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)		Supply air path / duct location:	Return Air
Max reset:			Space convective gains to occupied layer:	100 %
Use system default outside air reset:	Yes		Underfloor plenum height:	0.0 ft
			Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
			Upstream nominal leakage fraction:	0 %
			Downstream constant leakage fraction:	0 %
			Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Activate After Primary System	None
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:		Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.5 in. wg	0.00035 kW/Cfm-in wg	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

System - 003 - Variable Volume Reheat (30% Min Flow Default)

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Block		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)		Supply air path / duct location:	Return Air
Max reset:			Space convective gains to occupied layer:	100 %
Use system default outside air reset:	Yes		Underfloor plenum height:	0.0 ft
			Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
			Upstream nominal leakage fraction:	0 %
			Downstream constant leakage fraction:	0 %
			Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Activate After Primary System	None
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:		Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.5 in. wg	0.00035 kW/Cfm-in wg	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

System - 001 - Variable Volume Reheat (30% Min Flow Default)

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Block		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)		Supply air path / duct location:	Return Air
Max reset:			Space convective gains to occupied layer:	100 %
Use system default outside air reset:	Yes		Underfloor plenum height:	0.0 ft
			Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
			Upstream nominal leakage fraction:	0 %
			Downstream constant leakage fraction:	0 %
			Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Activate After Primary System	None
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:		Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.5 in. wg	0.00035 kW/Cfm-in wg	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

System - 002 - Variable Volume Reheat (30% Min Flow Default)

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Block		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)		Supply air path / duct location:	Return Air
Max reset:			Space convective gains to occupied layer:	100 %
Use system default outside air reset:	Yes		Underfloor plenum height:	0.0 ft
			Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
			Upstream nominal leakage fraction:	0 %
			Downstream constant leakage fraction:	0 %
			Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Activate After Primary System	None
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:		Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.5 in. wg	0.00035 kW/Cfm-in wg	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

System - 003 - Variable Volume Reheat (30% Min Flow Default)

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Block		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)		Supply air path / duct location:	Return Air
Max reset:			Space convective gains to occupied layer:	100 %
Use system default outside air reset:	Yes		Underfloor plenum height:	0.0 ft
			Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
			Upstream nominal leakage fraction:	0 %
			Downstream constant leakage fraction:	0 %
			Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Activate After Primary System	None
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:		Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.5 in. wg	0.00035 kW/Cfm-in wg	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

System - 001 - Variable Volume Reheat (30% Min Flow Default)

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Block		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)	Supply air path / duct location:	Return Air
Max reset:		Space convective gains to occupied layer:	100 %
Use system default outside air reset:	Yes	Underfloor plenum height:	0.0 ft
		Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
		Upstream nominal leakage fraction:	0 %
		Downstream constant leakage fraction:	0 %
		Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Activate After Primary System	None
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:		Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.5 in. wg	0.00035 kW/Cfm-in wg	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

System - 002 - Variable Volume Reheat (30% Min Flow Default)

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Block		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)		Supply air path / duct location:	Return Air
Max reset:			Space convective gains to occupied layer:	100 %
Use system default outside air reset:	Yes		Underfloor plenum height:	0.0 ft
			Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
			Upstream nominal leakage fraction:	0 %
			Downstream constant leakage fraction:	0 %
			Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Activate After Primary System	None
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:		Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.5 in. wg	0.00035 kW/Cfm-in wg	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

System - 003 - Variable Volume Reheat (30% Min Flow Default)

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Block		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)	
Max reset:		
Use system default outside air reset:	Yes	
Supply air path / duct location:		Return Air
Space convective gains to occupied layer:		100 %
Underfloor plenum height:		0.0 ft
Conductive resistance of raised floor:		0.8 hr·ft²·°F/Btu
Upstream nominal leakage fraction:		0 %
Downstream constant leakage fraction:		0 %
Aux cooling coil losses to plenum:		0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Activate After Primary System	None
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:		Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.5 in. wg	0.00035 kW/Cfm-in wg	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

System - 001 - Variable Volume Reheat (30% Min Flow Default)

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Block		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)		Supply air path / duct location:	Return Air
Max reset:			Space convective gains to occupied layer:	100 %
Use system default outside air reset:	Yes		Underfloor plenum height:	0.0 ft
			Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
			Upstream nominal leakage fraction:	0 %
			Downstream constant leakage fraction:	0 %
			Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Activate After Primary System	None
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:		Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.5 in. wg	0.00035 kW/Cfm-in wg	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

System - 002 - Variable Volume Reheat (30% Min Flow Default)

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Block		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)		Supply air path / duct location:	Return Air
Max reset:			Space convective gains to occupied layer:	100 %
Use system default outside air reset:	Yes		Underfloor plenum height:	0.0 ft
			Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
			Upstream nominal leakage fraction:	0 %
			Downstream constant leakage fraction:	0 %
			Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Activate After Primary System	None
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:		Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.5 in. wg	0.00035 kW/Cfm-in wg	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

System - 003 - Variable Volume Reheat (30% Min Flow Default)

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Block		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)		Supply air path / duct location:	Return Air
Max reset:			Space convective gains to occupied layer:	100 %
Use system default outside air reset:	Yes		Underfloor plenum height:	0.0 ft
			Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
			Upstream nominal leakage fraction:	0 %
			Downstream constant leakage fraction:	0 %
			Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Activate After Primary System	None
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:		Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.5 in. wg	0.00035 kW/Cfm-in wg	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

ENTERED VALUES

Walls by Direction

By Honeywell Inc

Alternative 1

North East (45 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R1 NE	NE Wall	2,369.5	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	473.9	0.47	0.5000	Overhang - None	None
W2-R6 NE_1	NE Wall	4,200.0	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	840.0	0.47	0.5000	Overhang - None	None
W2-R6 NE_2	NE Wall	4,820.0	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	964.0	0.47	0.5000	Overhang - None	None
		11,389.5			**0.0427**			**2,277.9**	**0.47**	**0.5000**		

South East (135 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R2 SE	SE Wall	2,709.0	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	541.8	0.47	0.5000	Overhang - None	None
W2-R7 SE	SE Wall	2,170.0	0	8" HW Block, 3" Ins	0.0801	0.90						
	Opening - 1			Window			Double Coated 1/4"	434.0	0.47	0.5000	Overhang - None	None
		4,879.0			**0.0614**			**975.8**	**0.47**	**0.5000**		

South West (225 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W2-R8 SW_1	SW Wall	2,160.0	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	432.0	0.47	0.5000	Overhang - None	None
W2-R8 SW_2	SW Wall	1,064.0	0	8" HW Block, 3" Ins	0.0801	0.90						
	Opening - 1			Window			Double Coated 1/4"	212.8	0.47	0.5000	Overhang - None	None
W2-R8 SW_3	SW Wall	4,200.0	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	840.0	0.47	0.5000	Overhang - None	None
		7,424.0			**0.0552**			**1,484.8**	**0.47**	**0.5000**		

ENTERED VALUES

Walls by Direction

By Honeywell Inc

North West (315 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R4 NW	NW Wall	2,842.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Double Coated 1/4*	568.4	0.47	0.5000	Overhang - None	None
		2,842.0			**0.4376**			**568.4**	**0.47**	**0.5000**		
Total Area		**26,534.5**						**5,306.9**				

ENTERED VALUES

Walls by Direction

By Honeywell Inc

Alternative 2

North East (45 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R1 NE	NE Wall	2,369.5	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	473.9	0.47	0.5000	Overhang - None	None
W2-R6 NE_1	NE Wall	4,200.0	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	840.0	0.47	0.5000	Overhang - None	None
W2-R6 NE_2	NE Wall	4,820.0	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	964.0	0.47	0.5000	Overhang - None	None
		11,389.5			**0.0427**			**2,277.9**	**0.47**	**0.5000**		

South East (135 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R2 SE	SE Wall	2,709.0	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	541.8	0.47	0.5000	Overhang - None	None
W2-R7 SE	SE Wall	2,170.0	0	8" HW Block, 3" Ins	0.0801	0.90						
	Opening - 1			Window			Double Coated 1/4"	434.0	0.47	0.5000	Overhang - None	None
		4,879.0			**0.0614**			**975.8**	**0.47**	**0.5000**		

South West (225 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W2-R8 SW_1	SW Wall	2,160.0	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	432.0	0.47	0.5000	Overhang - None	None
W2-R8 SW_2	SW Wall	1,064.0	0	8" HW Block, 3" Ins	0.0801	0.90						
	Opening - 1			Window			Double Coated 1/4"	212.8	0.47	0.5000	Overhang - None	None
W2-R8 SW_3	SW Wall	4,200.0	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	840.0	0.47	0.5000	Overhang - None	None
		7,424.0			**0.0552**			**1,484.8**	**0.47**	**0.5000**		

ENTERED VALUES

Walls by Direction

By Honeywell Inc

North West (315 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R4 NW	NW Wall	2,842.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Double Coated 1/4*	568.4	0.47	0.5000	Overhang - None	None
		2,842.0			**0.4376**			**568.4**	**0.47**	**0.5000**		
Total Area		**26,534.5**						**5,306.9**				

ENTERED VALUES

Walls by Direction

By Honeywell Inc

Alternative 3

North East (45 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R1 NE	NE Wall	2,369.5	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	473.9	0.47	0.5000	Overhang - None	None
W2-R6 NE_1	NE Wall	4,200.0	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	840.0	0.47	0.5000	Overhang - None	None
W2-R6 NE_2	NE Wall	4,820.0	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	964.0	0.47	0.5000	Overhang - None	None
		11,389.5			**0.0427**			**2,277.9**	**0.47**	**0.5000**		

South East (135 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R2 SE	SE Wall	2,709.0	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	541.8	0.47	0.5000	Overhang - None	None
W2-R7 SE	SE Wall	2,170.0	0	8" HW Block, 3" Ins	0.0801	0.90						
	Opening - 1			Window			Double Coated 1/4"	434.0	0.47	0.5000	Overhang - None	None
		4,879.0			**0.0614**			**975.8**	**0.47**	**0.5000**		

South West (225 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W2-R8 SW_1	SW Wall	2,160.0	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	432.0	0.47	0.5000	Overhang - None	None
W2-R8 SW_2	SW Wall	1,064.0	0	8" HW Block, 3" Ins	0.0801	0.90						
	Opening - 1			Window			Double Coated 1/4"	212.8	0.47	0.5000	Overhang - None	None
W2-R8 SW_3	SW Wall	4,200.0	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	840.0	0.47	0.5000	Overhang - None	None
		7,424.0			**0.0552**			**1,484.8**	**0.47**	**0.5000**		

ENTERED VALUES

Walls by Direction

By Honeywell Inc

North West (315 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R4 NW	NW Wall	2,842.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Double Coated 1/4"	568.4	0.47	0.5000	Overhang - None	None
		2,842.0			**0.4376**			**568.4**	**0.47**	**0.5000**		
Total Area		**26,534.5**						**5,306.9**				

ENTERED VALUES

Walls by Direction

By Honeywell Inc

Alternative 4

North East (45 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R1 NE	NE Wall	2,369.5	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	473.9	0.47	0.5000	Overhang - None	None
W2-R6 NE_1	NE Wall	4,200.0	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	840.0	0.47	0.5000	Overhang - None	None
W2-R6 NE_2	NE Wall	4,820.0	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	964.0	0.47	0.5000	Overhang - None	None
		11,389.5			**0.0427**			**2,277.9**	**0.47**	**0.5000**		

South East (135 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R2 SE	SE Wall	2,709.0	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	541.8	0.47	0.5000	Overhang - None	None
W2-R7 SE	SE Wall	2,170.0	0	8" HW Block, 3" Ins	0.0801	0.90						
	Opening - 1			Window			Double Coated 1/4"	434.0	0.47	0.5000	Overhang - None	None
		4,879.0			**0.0614**			**975.8**	**0.47**	**0.5000**		

South West (225 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W2-R8 SW_1	SW Wall	2,160.0	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	432.0	0.47	0.5000	Overhang - None	None
W2-R8 SW_2	SW Wall	1,064.0	0	8" HW Block, 3" Ins	0.0801	0.90						
	Opening - 1			Window			Double Coated 1/4"	212.8	0.47	0.5000	Overhang - None	None
W2-R8 SW_3	SW Wall	4,200.0	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	840.0	0.47	0.5000	Overhang - None	None
		7,424.0			**0.0552**			**1,484.8**	**0.47**	**0.5000**		

ENTERED VALUES

Walls by Direction

By Honeywell Inc

North West (315 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R4 NW	NW Wall	2,842.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Double Coated 1/4"	568.4	0.47	0.5000	Overhang - None	None
		2,842.0			**0.4376**			**568.4**	**0.47**	**0.5000**		
Total Area		**26,534.5**						**5,306.9**				

Entered Values

TRACE® 700 version 6.2.7

By Honeywell Inc

Project Name:
Dataset Name: D:\DOCUMENTS AND SETTINGS\E470859\MY DOCUMENTS\PROJECTS\PORT ST LUCIE FL\CONTRACT WORKING
Location:
Building Owner:
Program User:
Company:
Comments:

Cooling Design Period:	January thru December
Peak Hour Override:	0
Daylight Savings Period:	
Summer Period:	
Cooling Methodology:	TETD-TA1
Heating Methodology:	UATD
Infiltration Methodology:	Vary with wind speed
Outside Film Methodology:	Vary with wind speed
Terrain Methodology:	Flat terrain with some isolated objects
Room Circ Rate:	Medium
Wall Load To Plenum:	YES
Building Orientation:	0 degrees from north
Simulation Hours:	Full year
Calendar Code:	Standard (1978)
Energy Simulation Period:	January thru December

Location:	West Palm Beach, Florida	
Summer Design Dry Bulb:	92.30	°F
Summer Design Wet Bulb:	79.20	°F
Winter Design Dry Bulb:	45.00	°F
Summer Clearness Number:	0.90	
Winter Clearness Number:	0.95	
Summer Ground Reflectance:	0.20	
Winter Ground Reflectance:	0.20	
Carbon Dioxide Level:	400	ppm
Force VAV Min => Nominal Ventilation at Design:	No	
Allow Energy Recovery/Transfer at Design:	No	
Retest Design Peaks:	Yes	
Calculate Building Block Loads:	Yes	

ENTERED VALUES
PLANTS
By Honeywell Inc

Cooling Plant: Cooling plant - 001

Sizing method: Peak
Heat rejection type: None
Secondary distribution pump: None
Secondary pump consumption: 0 Ft Water
Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Off (0%)

Geothermal Loop

TLoop Ent Bldg: None
TLoop schedule: None
Flow rate: 100.00% of condenser flow rate
Loop pump None
Pump F.L. rate: 0.00ft water
Flow scheme: Fully mixed
Loop fluid glycol: 0%
Heat exchanger approach: 0°F

Equipment tag: Air-cooled chiller - 001 — Cooling Type: Air Cooled Hel. Rot.-RTAC-140-250-Std — Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	200.0 tons	1.1480 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type	Full Load Consumption
Chilled water:	Var vol chill water pump	15.00 hp
Condenser water:	None	
Heat recovery or aux cond:	None	
Free cooling:	None	

Heat Rejection and Thermal Storage

Heat rejection type: MZ packaged rooftop cond fan
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F

Equipment Options

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Equipment tag: Air-cooled chiller - 002 — Cooling Type: Air Cooled Hel. Rot.-RTAC-140-250-Std — Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	200.0 tons	1.1480 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type	Full Load Consumption
Chilled water:	Var vol chill water pump	15.00 hp
Condenser water:	None	
Heat recovery or aux cond:	None	
Free cooling:	None	

Heat Rejection and Thermal Storage

Heat rejection type: MZ packaged rooftop cond fan
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F

Equipment Options

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

ENTERED VALUES
PLANTS
By Honeywell Inc

Heating Plant: Heating plant - 001

Sizing method: Peak
Cogeneration type: None
Secondary distribution pump: None
Thermal storage type: None
Thermal storage capacity: 0 ton-hr

Equipment tag: Electric Resistance - 001

Heating Type: Default electric resistance

Heating plant - 001

Heating capacity:
Energy rate: 100.00 % Effic.

Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Storage

Hot water pump type: None
Hot water pump cons: 0.00 kW

Equipment schedule: Available (100%)
Demand limiting priority:

Equipment tag: Electric Resistance - 002

Heating Type: Default electric resistance

Heating plant - 001

Heating capacity:
Energy rate: 100.00 % Effic.

Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Storage

Hot water pump type: None
Hot water pump cons: 0.00 kW

Equipment schedule: Available (100%)
Demand limiting priority:

Base Utilities

Plant assigned to: Stand-alone
Type: Sample

Description: Sample
Demand limiting priority:

Schedule: Available (100%)
Hourly demand: 0.00 kW

Miscellaneous accessories

Plant assigned to: Cooling plant - 001
Equipment tag: All

Type: None
Description:

Schedule: Off (0%)
Energy: 0.00 kW

ENTERED VALUES
PLANTS
By Honeywell Inc

Cooling Plant: Cooling plant - 001

Sizing method: Peak
Heat rejection type: None
Secondary distribution pump: None
Secondary pump consumption: 0 Ft Water
Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Off (0%)

Geothermal Loop

TLoop Ent Bldg: None
TLoop schedule: None
Flow rate: 100.00% of condenser flow rate
Loop pump None
Pump F.L. rate: 0.00ft water
Flow scheme: Fully mixed
Loop fluid glycol: 0%
Heat exchanger approach: 0°F

Equipment tag: Air-cooled chiller - 001

Cooling Type: Air Cooled Hel. Rot.-RTAC-140-250-Std

Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	200.0 tons	1.1480 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type	Full Load Consumption
Chilled water:	Var vol chill water pump	15.00 hp
Condenser water:	None	
Heat recovery or aux cond:	None	
Free cooling:	None	

Heat Rejection and Thermal Storage

Heat rejection type: MZ packaged rooftop cond fan
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Equipment Options

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 33999999521443€
Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No
Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

Equipment tag: Air-cooled chiller - 002

Cooling Type: Air Cooled Hel. Rot.-RTAC-140-250-Std

Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	200.0 tons	1.1480 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type	Full Load Consumption
Chilled water:	Var vol chill water pump	15.00 hp
Condenser water:	None	
Heat recovery or aux cond:	None	
Free cooling:	None	

Heat Rejection and Thermal Storage

Heat rejection type: MZ packaged rooftop cond fan
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Equipment Options

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 33999999521443€
Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No
Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

ENTERED VALUES
PLANTS
By Honeywell Inc

Heating Plant: Heating plant - 001

Sizing method: Peak
Cogeneration type: None
Secondary distribution pump: None
Thermal storage type: None
Thermal storage capacity: 0 ton-hr

Equipment tag: Electric Resistance - 001 — Heating Type: Default electric resistance — Heating plant - 001

Heating capacity:
Energy rate: 100.00 % Effic.

Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Storage

Hot water pump type: None
Hot water pump cons: 0.00 kW

Equipment schedule: Available (100%)
Demand limiting priority:

Equipment tag: Electric Resistance - 002 — Heating Type: Default electric resistance — Heating plant - 001

Heating capacity:
Energy rate: 100.00 % Effic.

Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Storage

Hot water pump type: None
Hot water pump cons: 0.00 kW

Equipment schedule: Available (100%)
Demand limiting priority:

Base Utilities

Plant assigned to: Stand-alone
Type: Sample

Description: Sample
Demand limiting priority:

Schedule: Available (100%)
Hourly demand: 0.00 kW

Miscellaneous accessories

Plant assigned to: Cooling plant - 001
Equipment tag: All

Type: None
Description:

Schedule: Off (0%)
Energy: 0.00 kW

ENTERED VALUES
PLANTS
By Honeywell Inc

Cooling Plant: Cooling plant - 001

Sizing method: Peak
Heat rejection type: None
Secondary distribution pump: None
Secondary pump consumption: 0 Ft Water
Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Off (0%)

Geothermal Loop

TLoop Ent Bldg: None
TLoop schedule: None
Flow rate: 100.00% of condenser flow rate
Loop pump None
Pump F.L. rate: 0.00ft water
Flow scheme: Fully mixed
Loop fluid glycol: 0%
Heat exchanger approach: 0°F

Equipment tag: Air-cooled chiller - 001 — Cooling Type: Air Cooled Hel. Rot.-RTAC-140-250-Std — Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	200.0 tons	1.1480 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type	Full Load Consumption
Chilled water:	Var vol chill water pump	15.00 hp
Condenser water:	None	
Heat recovery or aux cond:	None	
Free cooling:	None	

Heat Rejection and Thermal Storage

Heat rejection type: MZ packaged rooftop cond fan
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F

Equipment Options

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: Return water	None	10°F
Condenser Water: None	None	0°F

Equipment tag: Air-cooled chiller - 002 — Cooling Type: Air Cooled Hel. Rot.-RTAC-140-250-Std — Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	200.0 tons	1.1480 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type	Full Load Consumption
Chilled water:	Var vol chill water pump	15.00 hp
Condenser water:	None	
Heat recovery or aux cond:	None	
Free cooling:	None	

Heat Rejection and Thermal Storage

Heat rejection type: MZ packaged rooftop cond fan
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 33999999521443€

Equipment Options

Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No

Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

ENTERED VALUES
PLANTS
By Honeywell Inc

Heating Plant: Heating plant - 001

Sizing method: Peak
Cogeneration type: None
Secondary distribution pump: None
Thermal storage type: None
Thermal storage capacity: 0 ton-hr

Equipment tag: Electric Resistance - 001 — Heating Type: Default electric resistance — Heating plant - 001

Heating capacity:
Energy rate: 100.00 % Effic.

Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Storage

Hot water pump type: None
Hot water pump cons: 0.00 kW

Equipment schedule: Available (100%)
Demand limiting priority:

Equipment tag: Electric Resistance - 002 — Heating Type: Default electric resistance — Heating plant - 001

Heating capacity:
Energy rate: 100.00 % Effic.

Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Storage

Hot water pump type: None
Hot water pump cons: 0.00 kW

Equipment schedule: Available (100%)
Demand limiting priority:

Base Utilities

Plant assigned to: Stand-alone
Type: Sample

Description: Sample
Demand limiting priority:

Schedule: Available (100%)
Hourly demand: 0.00 kW

Miscellaneous accessories

Plant assigned to: Cooling plant - 001
Equipment tag: All

Type: None
Description:

Schedule: Off (0%)
Energy: 0.00 kW

ENTERED VALUES
PLANTS
By Honeywell Inc

Cooling Plant: Cooling plant - 001

Sizing method: Peak
Heat rejection type: None
Secondary distribution pump: None
Secondary pump consumption: 0 Ft Water
Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Off (0%)

Geothermal Loop

TLoop Ent Bldg: None
TLoop schedule: None
Flow rate: 100.00% of condenser flow rate
Loop pump None
Pump F.L. rate: 0.00ft water
Flow scheme: Fully mixed
Loop fluid glycol: 0%
Heat exchanger approach: 0°F

Equipment tag: Air-cooled chiller - 001

Cooling Type: Air Cooled Hel. Rot.-RTAC-140-250-Std

Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	200.0 tons	1.1480 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type	Full Load Consumption
Chilled water:	Var vol chill water pump	15.00 hp
Condenser water:	None	
Heat recovery or aux cond:	None	
Free cooling:	None	

Heat Rejection and Thermal Storage

Heat rejection type: MZ packaged rooftop cond fan
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Equipment Options

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 33999999521443€
Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No
Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: Return water	None	10°F
Condenser Water: None	None	0°F

Equipment tag: Air-cooled chiller - 002

Cooling Type: Air Cooled Hel. Rot.-RTAC-140-250-Std

Cooling plant - 001

Operating Mode	Capacity	Energy Rate
Cooling:	200.0 tons	1.1480 kW/ton
Heat recovery:		
Tank charging:		
Tank charging & heat recovery:		

Pumps	Type	Full Load Consumption
Chilled water:	Var vol chill water pump	15.00 hp
Condenser water:	None	
Heat recovery or aux cond:	None	
Free cooling:	None	

Heat Rejection and Thermal Storage

Heat rejection type: MZ packaged rooftop cond fan
Thermal storage type: None
T-storage capacity: 0 ton-hr
T-storage schedule: Storage

Equipment Options

Sequencing type: Single
Demand lim priority:
Dsn chilled water delta T: 10 °F
Dsn cond water delta T: 10 °F
Hourly ambient wet bulb offset: 33999999521443€
Free clg type: None
Fluid cooler type: None
Load shed econ: no
Evap precooling: no
Hot gas reheat No
Energy source:
Reject cond heat: Heat Reject.Equip
Cond. heat to plant:
Equip schedule: Available (100%)

Reset Based On	Reset Curve	Max Reset TD
Chilled Water: None	None	0°F
Condenser Water: None	None	0°F

ENTERED VALUES
PLANTS
By Honeywell Inc

Heating Plant: Heating plant - 001

Sizing method: Peak
Cogeneration type: None
Secondary distribution pump: None
Thermal storage type: None
Thermal storage capacity: 0 ton-hr

Equipment tag: Electric Resistance - 001 — Heating Type: Default electric resistance — Heating plant - 001

Heating capacity:
Energy rate: 100.00 % Effic.

Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Storage

Hot water pump type: None
Hot water pump cons: 0.00 kW

Equipment schedule: Available (100%)
Demand limiting priority:

Equipment tag: Electric Resistance - 002 — Heating Type: Default electric resistance — Heating plant - 001

Heating capacity:
Energy rate: 100.00 % Effic.

Thermal storage type: None
Thermal storage capacity: 0 ton-hr
Thermal storage schedule: Storage

Hot water pump type: None
Hot water pump cons: 0.00 kW

Equipment schedule: Available (100%)
Demand limiting priority:

Base Utilities

Plant assigned to: Stand-alone
Type: Sample

Description: Sample
Demand limiting priority:

Schedule: Available (100%)
Hourly demand: 0.00 kW

Miscellaneous accessories

Plant assigned to: Cooling plant - 001
Equipment tag: All

Type: None
Description:

Schedule: Off (0%)
Energy: 0.00 kW

ENTERED VALUES

ROOM ASSIGNMENTS

By Honeywell Inc

ASSIGNED ROOMS

Description
System - 001
System - 001
System - 001
System - 001
W1-R1 NE
W1-R1 NE
W1-R1 NE
W1-R1 NE
W1-R2 SE
W1-R2 SE
W1-R2 SE
W1-R2 SE
W1-R3 Int
W1-R3 Int
W1-R3 Int
W1-R3 Int
W1-R4 NW
W1-R4 NW
W1-R4 NW
W1-R4 NW
System - 002
System - 002
System - 002
System - 002
W2-R10 Int_1
W2-R10 Int_1
W2-R10 Int_1
W2-R10 Int_1
W2-R10 Int_2
W2-R10 Int_2
W2-R10 Int_2
W2-R10 Int_2
W2-R6 NE_1
W2-R6 NE_1
W2-R6 NE_1
W2-R6 NE_1
W2-R7 SE
W2-R7 SE
W2-R7 SE
W2-R7 SE
W2-R8 SW_2
W2-R8 SW_2
W2-R8 SW_2
W2-R8 SW_2
W2-R8 SW_3
W2-R8 SW_3
W2-R8 SW_3
W2-R8 SW_3
System - 003
System - 003
System - 003
System - 003
W2-R10 Int_3
W2-R10 Int_3
W2-R10 Int_3
W2-R10 Int_3
W2-R6 NE_2
W2-R6 NE_2
W2-R6 NE_2
W2-R6 NE_2
W2-R8 SW_1
W2-R8 SW_1
W2-R8 SW_1
W2-R8 SW_1

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W1-R1 NE | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area:	10,663 ft²	Flr-Flr Height:	14.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" HW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	68.0 °F / 75.0 °F		
Design Htg DB / Drift Point:	68.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	PSL_Civic_Old		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	Restaurant
# of People:	15 sq ft/person
People Sensible:	275 Btu/h
People Latent :	275 Btu/h
People Schedule:	People - Elementary Gym
Workstation:	10.0 workstations

LIGHTS

Lighting Type:	Incadescent, hung below ceiling, 100% load to space
Fixture Type:	INCAND
% Load to RA:	0 %
Lighting Schedule:	Lighting_PSL_Civic_New
Lighting Amount:	1.0 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	2,500.00 cfm	2,500.00 cfm
Vent Schedule:	Vent - Elementary Gym	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	2,200.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Glass Area ft²	Glass Shade Coef	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	10,663 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
NE Wall	2,370 ft²	45	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	474	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	2.0 W/sq ft			Misc - Motel			None							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: W1-R2 SE | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area: 11,030 ft² | Flr-Flr Height: 14.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Restaurant
# of People: 15 sq ft/person
People Sensible: 275 Btu/h
People Latent: 275 Btu/h
People Schedule: People - Elementary Gym
Workstation: 10.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	500.00 cfm	500.00 cfm
Vent Schedule:	Vent - Elementary Gym	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	400.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	11,030 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
SE Wall	2,709 ft²	135	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	542	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	2.0 W/sq ft			Misc - Motel			None							100	100	0	60.00

Room Description: W1-R3 Int | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area: 23,897 ft² | Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft | Height Above Flr:
Slab Cnstr Type: 8" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: NO
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Restaurant
# of People: 15 sq ft/person
People Sensible: 275 Btu/h
People Latent: 275 Btu/h
People Schedule: People - Elementary Gym
Workstation: 10.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	12,000.00 cfm	12,000.00 cfm
Vent Schedule:	Vent - Elementary Gym	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	10,000.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	23,897 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
Misc Load 1	2.0 W/sq ft			SA-Misc - Alt1 City of			None							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W1-R4 NW | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area: 11,870 ft² Flr-Flr Height: 14.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 72.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: Hstat

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: None Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Classroom
# of People: 20 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: People - School

Workstation: 2.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	4,250.00 cfm	4,250.00 cfm
Vent Schedule:	Vent - Elementary School	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	4,000.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	11,870 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
NW Wall	2,842 ft²	315	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Double Coated 1/4" Electricity	568	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.2 W/sq ft			Misc - Elementary School										100	100	0	60.00

Room Description: W2-R10 Int_1 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area: 5,565 ft² Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Conference Room
# of People: 20 sq ft/person
People Sensible: 245 Btu/h
People Latent : 155 Btu/h
People Schedule: People - Training Schedule

Workstation: 5.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	5,500.00 cfm	5,500.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	5,200.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	5,565 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
Misc Load 1	0.5 W/sq ft			SA-Misc - Alt1 City of			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: W2-R10 Int_2 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area:	3,268 ft²	Flr-Flr Height:	14.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" HW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	72.0 °F / 75.0 °F		
Design Htg DB / Drift Point:	68.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	PSL_Civic_Old		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	None
# of People:	10 People
People Sensible:	0 Btu/h
People Latent :	0 Btu/h
People Schedule:	People - Hotel ballroom
Workstation:	0.0 workstation/person

LIGHTS

Lighting Type:	Recessed fluorescent, not vented, 80% load to space
Fixture Type:	RECFL-NV
% Load to RA:	20 %
Lighting Schedule:	Lighting_PSL_Civic_New
Lighting Amount:	1.0 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,000.00 cfm	1,000.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	800.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	3,268 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
NE Wall	4,200 ft²	45	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	840	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	2.0 W/sq ft			Misc - Restaurant			None							100	100	0	60.00

Room Description: W2-R6 NE_1 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area:	9,555 ft²	Flr-Flr Height:	40.0 ft
Plenum Height:	5.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" HW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	68.0 °F / 75.0 °F		
Design Htg DB / Drift Point:	68.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	PSL_Civic_Old		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	Conference Room
# of People:	20 sq ft/person
People Sensible:	245 Btu/h
People Latent :	155 Btu/h
People Schedule:	People - Hotel ballroom
Workstation:	5.0 workstations

LIGHTS

Lighting Type:	Incadescent, hung below ceiling, 100% load to space
Fixture Type:	INCAND
% Load to RA:	0 %
Lighting Schedule:	Lighting_PSL_Civic_New
Lighting Amount:	1.0 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	8,000.00 cfm	8,000.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	7,000.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	9,555 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
NE Wall	4,200 ft²	45	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	840	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	2.0 W/sq ft			Misc - Restaurant			None							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R7 SE | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area: 10,230 ft² | Flr-Flr Height: 14.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 8" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: None

Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Cafeteria
# of People: 10 sq ft/person
People Sensible: 275 Btu/h
People Latent : 275 Btu/h
People Schedule: People - Elementary kitchen

Workstation: 3.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,500.00 cfm	1,500.00 cfm
Vent Schedule:	Vent - Elementary kitchen	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	1,200.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	10,230 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
SE Wall	2,170 ft²	135	0	8" HW Block, 3" Ins	0.0801	0.90											
Opening - 1				Window			Double Coated 1/4"	434	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	2.0 W/sq ft			Misc - Restaurant			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R8 SW_2 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area: 4,940 ft² | Flr-Flr Height: 14.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 8" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 72.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: Hstat

Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space (62.1 - 2007)
# of People: 200 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: People - Office

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	420.00 cfm	420.00 cfm
Vent Schedule:	Vent - Office	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	380.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	4,940 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
SW Wall	1,064 ft²	225	0	8" HW Block, 3" Ins	0.0801	0.90											
Opening - 1				Window			Double Coated 1/4"	213	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			People - Office			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R8 SW_3 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area: 6,825 ft² | Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft | Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Conference Room
# of People: 20 sq ft/person
People Sensible: 245 Btu/h
People Latent : 155 Btu/h
People Schedule: People - Training Schedule
Workstation: 5.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	5,500.00 cfm	5,500.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	5,200.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	6,825 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
SW Wall	4,200 ft²	225	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	840	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			SA-Misc - Alt1 City of			Electricity							100	100	0	60.00

Room Description: W2-R10 Int_3 | **Zone Description: No Zone** | **System Description: System - 003**

GENERAL INFORMATION

Floor Area: 3,510 ft² | Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft | Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: NO
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: Hstat
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Restaurant
# of People: 15 sq ft/person
People Sensible: 275 Btu/h
People Latent : 275 Btu/h
People Schedule: SA-People - Alt1 City of PSL_Civic cente
Workstation: 3.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,000.00 cfm	1,000.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	800.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	3,510 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
Misc Load 1	0.5 W/sq ft			SA-Misc - Alt1 City of			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R6 NE_2 **Zone Description: No Zone** **System Description: System - 003**

GENERAL INFORMATION

Floor Area: 3,977 ft² Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: Hstat

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Hotel/Motel Lobby
# of People: 33 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: People - Hotel ballroom

Workstation: 3.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,000.00 cfm	1,000.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	800.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Glass Area ft²	Glass Shade Coef	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	3,977 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
NE Wall	4,820 ft²	45	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	964	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Misc - Restaurant			Electricity							100	100	0	60.00

Project Name:
Dataset Name: D:\DOCUMENTS AND SETTINGS\E470859\MY DOCUMENTS\PROJECTS\PORT ST LUCIE

TRACE® 700 v6.2.7 Exhibit 2 - Page 7 of 10 on 01/20/2012
Alternative - 1 Entered Values - Rooms Page 8 of 36

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R8 SW_1 | **Zone Description: No Zone** | **System Description: System - 003**

GENERAL INFORMATION

Floor Area: 1,890 ft²
Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft
Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Old
Htg Tstat: Hstat

Thermostat Location: Room
Floor Multiplier: 1
Humidistat Location: Room
Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Hotel/Motel Lobby
# of People: 33 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: SA-People - Alt1 City of PSL_Civic cente

Workstation: 3.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,000.00 cfm	1,000.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	800.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	1,890 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
SW Wall	2,160 ft²	225	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	432	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			SA-Misc - Alt1 City of			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W1-R1 NE **Zone Description: No Zone** **System Description: System - 001**

GENERAL INFORMATION

Floor Area: 10,663 ft² Flr-Flr Height: 14.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_New
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Restaurant
# of People: 15 sq ft/person
People Sensible: 275 Btu/h
People Latent : 275 Btu/h
People Schedule: People - Elementary Gym

Workstation: 10.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	2,500.00 cfm	2,500.00 cfm
Vent Schedule:	Vent - Elementary Gym	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	2,200.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	10,663 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
NE Wall	2,370 ft²	45	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	474	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	2.0 W/sq ft			Misc - Motel			None							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: W1-R2 SE | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area: 11,030 ft² | Flr-Flr Height: 14.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_New
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Restaurant
# of People: 15 sq ft/person
People Sensible: 275 Btu/h
People Latent : 275 Btu/h
People Schedule: People - Elementary Gym
Workstation: 10.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	500.00 cfm	500.00 cfm
Vent Schedule:	Vent - Elementary Gym	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	400.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	11,030 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
SE Wall	2,709 ft²	135	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	542	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	2.0 W/sq ft			Misc - Motel			None							100	100	0	60.00

Room Description: W1-R3 Int | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area: 23,897 ft² | Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft | Height Above Flr:
Slab Cnstr Type: 8" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: NO
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_New
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Restaurant
# of People: 15 sq ft/person
People Sensible: 275 Btu/h
People Latent : 275 Btu/h
People Schedule: People - Elementary Gym
Workstation: 10.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	12,000.00 cfm	12,000.00 cfm
Vent Schedule:	Vent - Elementary Gym	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	10,000.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	23,897 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
Misc Load 1	2.0 W/sq ft			SA-Misc - Alt1 City of			None							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W1-R4 NW | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area: 11,870 ft² Flr-Flr Height: 14.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 72.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Offices_New
Htg Tstat: Hstat

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: None Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Classroom
# of People: 20 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: People - School

Workstation: 2.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	4,250.00 cfm	4,250.00 cfm
Vent Schedule:	Vent - Elementary School	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	4,000.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	11,870 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
NW Wall	2,842 ft²	315	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Double Coated 1/4"	568	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.2 W/sq ft			Misc - Elementary School			Electricity							100	100	0	60.00

Room Description: W2-R10 Int_1 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area: 5,565 ft² Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Meeting Hall_New
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Conference Room
# of People: 20 sq ft/person
People Sensible: 245 Btu/h
People Latent : 155 Btu/h
People Schedule: People - Training Schedule

Workstation: 5.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	5,500.00 cfm	5,500.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	5,200.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	5,565 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
Misc Load 1	0.5 W/sq ft			SA-Misc - Alt1 City of			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R10 Int_2 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area: 3,268 ft² | Flr-Flr Height: 14.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 72.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Banquets_New
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: None
# of People: 10 People
People Sensible: 0 Btu/h
People Latent : 0 Btu/h
People Schedule: People - Hotel ballroom
Workstation: 0.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,000.00 cfm	1,000.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	800.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	9,555 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
NE Wall	4,200 ft²	45	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	840	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	2.0 W/sq ft			Misc - Restaurant			None							100	100	0	60.00

Room Description: W2-R6 NE_1 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area: 9,555 ft² | Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft | Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Banquets_New
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Conference Room
# of People: 20 sq ft/person
People Sensible: 245 Btu/h
People Latent : 155 Btu/h
People Schedule: People - Hotel ballroom
Workstation: 5.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	8,000.00 cfm	8,000.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	7,000.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	9,555 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
NE Wall	4,200 ft²	45	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	840	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	2.0 W/sq ft			Misc - Restaurant			None							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R7 SE | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area: 10,230 ft² Flr-Flr Height: 14.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 8" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Banquets_New
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Cafeteria
# of People: 10 sq ft/person
People Sensible: 275 Btu/h
People Latent : 275 Btu/h
People Schedule: People - Elementary kitchen

Workstation: 3.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,500.00 cfm	1,500.00 cfm
Vent Schedule:	Vent - Elementary kitchen	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	1,200.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	10,230 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
SE Wall	2,170 ft²	135	0	8" HW Block, 3" Ins	0.0801	0.90											
Opening - 1				Window			Double Coated 1/4"	434	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	2.0 W/sq ft			Misc - Restaurant			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: W2-R8 SW_2 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area: 4,940 ft² | Flr-Flr Height: 14.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 8" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 72.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Offices_New
Htg Tstat: Hstat

Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space (62.1 - 2007)
# of People: 200 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: People - Office

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	420.00 cfm	420.00 cfm
Vent Schedule:	Vent - Office	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	380.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	4,940 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
SW Wall	1,064 ft²	225	0	8" HW Block, 3" Ins	0.0801	0.90											
Opening - 1				Window			Double Coated 1/4"	213	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			People - Office			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: W2-R8 SW_3 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area: 6,825 ft² | Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft | Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Meeting Hall_New
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Conference Room
# of People: 20 sq ft/person
People Sensible: 245 Btu/h
People Latent : 155 Btu/h
People Schedule: People - Training Schedule
Workstation: 5.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	5,500.00 cfm	5,500.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	5,200.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	6,825 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
SW Wall	4,200 ft²	225	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	840	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			SA-Misc - Alt1 City of			Electricity							100	100	0	60.00

Room Description: W2-R10 Int_3 | **Zone Description: No Zone** | **System Description: System - 003**

GENERAL INFORMATION

Floor Area: 3,510 ft² | Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft | Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: NO
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_New
Htg Tstat: Hstat
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Restaurant
# of People: 15 sq ft/person
People Sensible: 275 Btu/h
People Latent : 275 Btu/h
People Schedule: SA-People - Alt1 City of PSL_Civic cente
Workstation: 3.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,000.00 cfm	1,000.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	800.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	3,510 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
Misc Load 1	0.5 W/sq ft			SA-Misc - Alt1 City of			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: W2-R6 NE_2 | **Zone Description: No Zone** | **System Description: System - 003**

GENERAL INFORMATION

Floor Area: 3,977 ft² | Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft | Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 61.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_New
Htg Tstat: Hstat

Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Hotel/Motel Lobby
# of People: 33 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: People - Hotel ballroom

Workstation: 3.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,000.00 cfm	1,000.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	800.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	3,977 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
NE Wall	4,820 ft²	45	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	964	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Misc - Restaurant			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: W2-R8 SW_1 | **Zone Description: No Zone** | **System Description: System - 003**

GENERAL INFORMATION

Floor Area: 1,890 ft² | Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft | Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_New
Htg Tstat: Hstat

Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Hotel/Motel Lobby
# of People: 33 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: SA-People - Alt1 City of PSL_Civic cente

Workstation: 3.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,000.00 cfm	1,000.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	800.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	1,890 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
SW Wall	2,160 ft²	225	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	432	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			SA-Misc - Alt1 City of			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: W1-R1 NE | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area: 10,663 ft² Flr-Flr Height: 14.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_New
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Restaurant
# of People: 15 sq ft/person
People Sensible: 275 Btu/h
People Latent : 275 Btu/h
People Schedule: People - Elementary Gym

Workstation: 10.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	2,500.00 cfm	2,500.00 cfm
Vent Schedule:	Vent - Elementary Gym	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	2,200.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Glass Area ft²	Glass Shade Coef	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	10,663 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
NE Wall	2,370 ft²	45	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	474	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	2.0 W/sq ft			Misc - Motel			None							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W1-R2 SE | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area:	11,030 ft²	Flr-Flr Height:	14.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	4" HW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	68.0 °F / 75.0 °F		
Design Htg DB / Drift Point:	68.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	PSL_Civic_New		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	Restaurant
# of People:	15 sq ft/person
People Sensible:	275 Btu/h
People Latent :	275 Btu/h
People Schedule:	People - Elementary Gym
Workstation:	10.0 workstations

LIGHTS

Lighting Type:	Incadescent, hung below ceiling, 100% load to space
Fixture Type:	INCAND
% Load to RA:	0 %
Lighting Schedule:	Lighting_PSL_Civic_New
Lighting Amount:	1.0 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	500.00 cfm	500.00 cfm
Vent Schedule:	Vent - Elementary Gym	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	400.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	11,030 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
SE Wall	2,709 ft²	135	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	542	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	2.0 W/sq ft			Misc - Motel			None							100	100	0	60.00

Room Description: W1-R3 Int | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area:	23,897 ft²	Flr-Flr Height:	40.0 ft
Plenum Height:	5.0 ft	Height Above Flr:	
Slab Cnstr Type:	8" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	NO		
Design Clg DB / Drift Point:	68.0 °F / 75.0 °F		
Design Htg DB / Drift Point:	68.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	PSL_Civic_New		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	Restaurant
# of People:	15 sq ft/person
People Sensible:	275 Btu/h
People Latent :	275 Btu/h
People Schedule:	People - Elementary Gym
Workstation:	10.0 workstations

LIGHTS

Lighting Type:	Incadescent, hung below ceiling, 100% load to space
Fixture Type:	INCAND
% Load to RA:	0 %
Lighting Schedule:	Lighting_PSL_Civic_New
Lighting Amount:	1.0 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	12,000.00 cfm	12,000.00 cfm
Vent Schedule:	Vent - Elementary Gym	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	10,000.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	23,897 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
Misc Load 1	2.0 W/sq ft			SA-Misc - Alt1 City of			None							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: W1-R4 NW | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area: 11,870 ft² Flr-Flr Height: 14.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 72.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Offices_New
Htg Tstat: Hstat
Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: None Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Classroom
# of People: 20 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: People - School
Workstation: 2.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	4,250.00 cfm	4,250.00 cfm
Vent Schedule:	Vent - Elementary School	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	4,000.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	11,870 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
NW Wall	2,842 ft²	315	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Double Coated 1/4"	568	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.2 W/sq ft			Misc - Elementary School			Electricity							100	100	0	60.00

Room Description: W2-R10 Int_1 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area: 5,565 ft² Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Meeting Hall_New
Htg Tstat: None
Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Conference Room
# of People: 20 sq ft/person
People Sensible: 245 Btu/h
People Latent : 155 Btu/h
People Schedule: People - Training Schedule
Workstation: 5.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	5,500.00 cfm	5,500.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	5,200.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	5,565 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
Misc Load 1	0.5 W/sq ft			SA-Misc - Alt1 City of			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: W2-R10 Int_2 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area: 3,268 ft² Flr-Flr Height: 14.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 72.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Banquets_New
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: None
# of People: 10 People
People Sensible: 0 Btu/h
People Latent : 0 Btu/h
People Schedule: People - Hotel ballroom

Workstation: 0.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,000.00 cfm	1,000.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	800.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	9,555 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
NE Wall	4,200 ft²	45	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	840	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	2.0 W/sq ft			Misc - Restaurant			None							100	100	0	60.00

Room Description: W2-R6 NE_1 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area: 9,555 ft² Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Banquets_New
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Conference Room
# of People: 20 sq ft/person
People Sensible: 245 Btu/h
People Latent : 155 Btu/h
People Schedule: People - Hotel ballroom

Workstation: 5.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	8,000.00 cfm	8,000.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	7,000.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	9,555 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
NE Wall	4,200 ft²	45	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	840	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	2.0 W/sq ft			Misc - Restaurant			None							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R7 SE | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area:	10,230 ft²	Flr-Flr Height:	14.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	8" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	PSL_Civic_Banquets_New		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	Cafeteria
# of People:	10 sq ft/person
People Sensible:	275 Btu/h
People Latent :	275 Btu/h
People Schedule:	People - Elementary kitchen
Workstation:	3.0 workstations

LIGHTS

Lighting Type:	Incadescent, hung below ceiling, 100% load to space
Fixture Type:	INCAND
% Load to RA:	0 %
Lighting Schedule:	Lighting_PSL_Civic_New
Lighting Amount:	1.0 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,500.00 cfm	1,500.00 cfm
Vent Schedule:	Vent - Elementary kitchen	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	1,200.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	10,230 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
SE Wall	2,170 ft²	135	0	8" HW Block, 3" Ins	0.0801	0.90											
Opening - 1				Window			Double Coated 1/4"	434	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	2.0 W/sq ft			Misc - Restaurant			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R8 SW_2 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area:	4,940 ft²	Flr-Flr Height:	14.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	8" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	72.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	PSL_Civic_Offices_New		
Htg Tstat:	Hstat		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	General Office Space (62.1 - 2007)
# of People:	200 sq ft/person
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	People - Office
Workstation:	1.0 workstation/person

LIGHTS

Lighting Type:	Incadescent, hung below ceiling, 100% load to space
Fixture Type:	INCAND
% Load to RA:	0 %
Lighting Schedule:	Lighting_PSL_Civic_New
Lighting Amount:	1.0 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	420.00 cfm	420.00 cfm
Vent Schedule:	Vent - Office	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	380.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Glass Area ft²	Glass Shade Coef	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	4,940 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
SW Wall	1,064 ft²	225	0	8" HW Block, 3" Ins	0.0801	0.90											
Opening - 1				Window			Double Coated 1/4"	213	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			People - Office			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R8 SW_3 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area: 6,825 ft² | Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft | Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Meeting Hall_New
Htg Tstat: None
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Conference Room
# of People: 20 sq ft/person
People Sensible: 245 Btu/h
People Latent : 155 Btu/h
People Schedule: People - Training Schedule
Workstation: 5.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	5,500.00 cfm	5,500.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	5,200.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	6,825 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
SW Wall	4,200 ft²	225	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	840	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			SA-Misc - Alt1 City of			Electricity							100	100	0	60.00

Room Description: W2-R10 Int_3 | **Zone Description: No Zone** | **System Description: System - 003**

GENERAL INFORMATION

Floor Area: 3,510 ft² | Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft | Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: NO
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_New
Htg Tstat: Hstat
Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Restaurant
# of People: 15 sq ft/person
People Sensible: 275 Btu/h
People Latent : 275 Btu/h
People Schedule: SA-People - Alt1 City of PSL_Civic cente
Workstation: 3.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,000.00 cfm	1,000.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	800.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	3,510 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
Misc Load 1	0.5 W/sq ft			SA-Misc - Alt1 City of			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R6 NE_2 | **Zone Description: No Zone** | **System Description: System - 003**

GENERAL INFORMATION

Floor Area: 3,977 ft² | Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft | Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_New
Htg Tstat: Hstat

Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Hotel/Motel Lobby
# of People: 33 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: People - Hotel ballroom

Workstation: 3.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,000.00 cfm	1,000.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	800.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	3,977 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
NE Wall	4,820 ft²	45	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	964	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Misc - Restaurant			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R8 SW_1 **Zone Description: No Zone** **System Description: System - 003**

GENERAL INFORMATION

Floor Area: 1,890 ft² Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_New
Htg Tstat: Hstat

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Hotel/Motel Lobby
# of People: 33 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: SA-People - Alt1 City of PSL_Civic cente

Workstation: 3.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,000.00 cfm	1,000.00 cfm
Vent Schedule:	Vent - Retail shopping center	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	800.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	1,890 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
SW Wall	2,160 ft²	225	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	432	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			SA-Misc - Alt1 City of			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: W1-R1 NE | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area: 10,663 ft² Flr-Flr Height: 14.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_New
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Restaurant
# of People: 15 sq ft/person
People Sensible: 275 Btu/h
People Latent : 275 Btu/h
People Schedule: People - Elementary Gym

Workstation: 10.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	2,500.00 cfm	2,500.00 cfm
Vent Schedule:	PSL_Civic_People Venti_Gym	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	2,200.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	10,663 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
NE Wall	2,370 ft²	45	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	474	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	2.0 W/sq ft			Misc - Motel			None							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: W1-R2 SE | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area: 11,030 ft² Flr-Flr Height: 14.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_New
Htg Tstat: None
Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Restaurant
# of People: 15 sq ft/person
People Sensible: 275 Btu/h
People Latent : 275 Btu/h
People Schedule: People - Elementary Gym
Workstation: 10.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	500.00 cfm	500.00 cfm
Vent Schedule:	PSL_Civic_People Venti_Gym	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	400.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	11,030 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
SE Wall	2,709 ft²	135	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	542	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	2.0 W/sq ft			Misc - Motel			None							100	100	0	60.00

Room Description: W1-R3 Int | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area: 23,897 ft² Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft Height Above Flr:
Slab Cnstr Type: 8" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: NO
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_New
Htg Tstat: None
Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Restaurant
# of People: 15 sq ft/person
People Sensible: 275 Btu/h
People Latent : 275 Btu/h
People Schedule: People - Elementary Gym
Workstation: 10.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	12,000.00 cfm	12,000.00 cfm
Vent Schedule:	PSL_Civic_People Venti_Gym	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	10,000.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	23,897 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
Misc Load 1	2.0 W/sq ft			SA-Misc - Alt1 City of			None							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: W1-R4 NW | **Zone Description: No Zone** | **System Description: System - 001**

GENERAL INFORMATION

Floor Area: 11,870 ft² Flr-Flr Height: 14.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 72.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Offices_New
Htg Tstat: Hstat
Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: None Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Classroom
# of People: 20 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: People - School
Workstation: 2.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	4,250.00 cfm	4,250.00 cfm
Vent Schedule:	PSL_Civic_People Venti_office	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	4,000.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	11,870 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
NW Wall	2,842 ft²	315	0	Frame Wall, No Ins	0.4376	0.90											
Opening - 1				Window			Double Coated 1/4"	568	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.2 W/sq ft			Misc - Elementary School			Electricity							100	100	0	60.00

Room Description: W2-R10 Int_1 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area: 5,565 ft² Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Meeting Hall_New
Htg Tstat: None
Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Conference Room
# of People: 20 sq ft/person
People Sensible: 245 Btu/h
People Latent : 155 Btu/h
People Schedule: People - Training Schedule
Workstation: 5.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	5,500.00 cfm	5,500.00 cfm
Vent Schedule:	PSL_Civic_People Venti_Meeting hall	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	5,200.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	5,565 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
Misc Load 1	0.5 W/sq ft			SA-Misc - Alt1 City of			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: W2-R10 Int_2 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area: 3,268 ft² Flr-Flr Height: 14.0 ft
Plenum Height: 3.0 ft Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 72.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Banquets_New
Htg Tstat: None
Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: None
# of People: 10 People
People Sensible: 0 Btu/h
People Latent : 0 Btu/h
People Schedule: People - Hotel ballroom
Workstation: 0.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,000.00 cfm	1,000.00 cfm
Vent Schedule:	PSL_Civic_People Venti_Banquet	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	800.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	3,268 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
NE Wall	4,200 ft²	45	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	840	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	2.0 W/sq ft			Misc - Restaurant			None							100	100	0	60.00

Room Description: W2-R6 NE_1 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area: 9,555 ft² Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Banquets_New
Htg Tstat: None
Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Conference Room
# of People: 20 sq ft/person
People Sensible: 245 Btu/h
People Latent : 155 Btu/h
People Schedule: People - Hotel ballroom
Workstation: 5.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	8,000.00 cfm	8,000.00 cfm
Vent Schedule:	PSL_Civic_People Venti_Banquet	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	7,000.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	9,555 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
NE Wall	4,200 ft²	45	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	840	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	2.0 W/sq ft			Misc - Restaurant			None							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R7 SE | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area:	10,230 ft²	Flr-Flr Height:	14.0 ft
Plenum Height:	3.0 ft	Height Above Flr:	
Slab Cnstr Type:	8" LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	None		
Clg Tstat:	PSL_Civic_Banquets_New		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	Cafeteria
# of People:	10 sq ft/person
People Sensible:	275 Btu/h
People Latent :	275 Btu/h
People Schedule:	People - Elementary kitchen
Workstation:	3.0 workstations

LIGHTS

Lighting Type:	Incadescent, hung below ceiling, 100% load to space
Fixture Type:	INCAND
% Load to RA:	0 %
Lighting Schedule:	Lighting_PSL_Civic_New
Lighting Amount:	1.0 W/sq ft
Ballast Factor:	1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,500.00 cfm	1,500.00 cfm
Vent Schedule:	PSL_Civic_People Venti_Banquet	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	1,200.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	10,230 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
SE Wall	2,170 ft²	135	0	8" HW Block, 3" Ins	0.0801	0.90											
Opening - 1				Window			Double Coated 1/4" Electricity	434	0.55	0.50	Overhang - None	None	0.00	100	100	0	60.00
Misc Load 1	2.0 W/sq ft			Misc - Restaurant													

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R8 SW_2 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area: 4,940 ft² | Flr-Flr Height: 14.0 ft
Plenum Height: 3.0 ft | Height Above Flr:
Slab Cnstr Type: 8" LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 72.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Offices_New
Htg Tstat: Hstat

Thermostat Location: Room | Floor Multiplier: 1
Humidistat Location: Room | Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space (62.1 - 2007)
# of People: 200 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: People - Office

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	420.00 cfm	420.00 cfm
Vent Schedule:	PSL_Civic_People Venti_office	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	380.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	4,940 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
SW Wall	1,064 ft²	225	0	8" HW Block, 3" Ins	0.0801	0.90											
Opening - 1				Window			Double Coated 1/4"	213	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			People - Office			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R8 SW_3 | **Zone Description: No Zone** | **System Description: System - 002**

GENERAL INFORMATION

Floor Area: 6,825 ft² Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 68.0 °F / 75.0 °F
Design Htg DB / Drift Point: 68.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_Meeting Hall_New
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Conference Room
# of People: 20 sq ft/person
People Sensible: 245 Btu/h
People Latent : 155 Btu/h
People Schedule: People - Training Schedule

Workstation: 5.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	5,500.00 cfm	5,500.00 cfm
Vent Schedule:	PSL_Civic_People Venti_Meeting hall	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	5,200.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	6,825 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
SW Wall	4,200 ft²	225	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	840	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			SA-Misc - Alt1 City of			Electricity							100	100	0	60.00

Room Description: W2-R10 Int_3 | **Zone Description: No Zone** | **System Description: System - 003**

GENERAL INFORMATION

Floor Area: 3,510 ft² Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: NO
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_New
Htg Tstat: Hstat

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Restaurant
# of People: 15 sq ft/person
People Sensible: 275 Btu/h
People Latent : 275 Btu/h
People Schedule: SA-People - Alt1 City of PSL_Civic cente

Workstation: 3.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,000.00 cfm	1,000.00 cfm
Vent Schedule:	PSL_Civic_People Venti_Gym	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	800.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	3,510 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
Misc Load 1	0.5 W/sq ft			SA-Misc - Alt1 City of			Electricity							100	100	0	60.00

ENTERED VALUES
ROOM BY ROOM
By Honeywell Inc

Room Description: W2-R6 NE_2 | **Zone Description: No Zone** | **System Description: System - 003**

GENERAL INFORMATION

Floor Area: 3,977 ft² Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft Height Above Flr:
Slab Cnstr Type: 4" HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_New
Htg Tstat: Hstat

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Hotel/Motel Lobby
# of People: 33 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: People - Hotel ballroom

Workstation: 3.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,000.00 cfm	1,000.00 cfm
Vent Schedule:	PSL_Civic_People Venti_Banquet	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	800.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	Glass: Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	3,977 ft²	0	90	Attic Roof, 6" Ins	0.0428	0.90		0			Overhang - None	None					
NE Wall	4,820 ft²	45	0	8" LW Block, 6" Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4"	964	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			Misc - Restaurant			Electricity							100	100	0	60.00

ENTERED VALUES

ROOM BY ROOM

By Honeywell Inc

Room Description: W2-R8 SW_1 **Zone Description: No Zone** **System Description: System - 003**

GENERAL INFORMATION

Floor Area: 1,890 ft² Flr-Flr Height: 40.0 ft
Plenum Height: 5.0 ft Height Above Flr:
Slab Cnstr Type: 4* HW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: None
Clg Tstat: PSL_Civic_New
Htg Tstat: Hstat

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: Hotel/Motel Lobby
# of People: 33 sq ft/person
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: SA-People - Alt1 City of PSL_Civic cente

Workstation: 3.0 workstations

LIGHTS

Lighting Type: Incadescent, hung below ceiling, 100% load to space
Fixture Type: INCAND
% Load to RA: 0 %
Lighting Schedule: Lighting_PSL_Civic_New
Lighting Amount: 1.0 W/sq ft
Ballast Factor: 1.0

AIRFLOW INFORMATION

	Cooling	Heating
Vent Type:	None	None
Vent Value:	1,000.00 cfm	1,000.00 cfm
Vent Schedule:	PSL_Civic_People Venti_Gym	
Infil Type:	Pressurized, Average Const.	Pressurized, Average Const.
Infil Value:	0.08 air changes/hr	0.08 air changes/hr
Infil Schedule:	Available (100%)	
Vav Min Airflow:		
Vav Min Sched:	Available (100%)	
Supply:	To be calculated	To be calculated
Aux Supply:	To be calculated	To be calculated
Room Exhaust:	800.00 cfm	
Rm Exh Sched:	Available (100%)	

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Glass Area ft²	Glass Shade Coef	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
Roof - 1	1,890 ft²	0	90	Attic Roof, 6* Ins	0.0428	0.90		0			Overhang - None	None					
SW Wall	2,160 ft²	225	0	8* LW Block, 6* Ins	0.0427	0.90											
Opening - 1				Window			Double Coated 1/4*	432	0.55	0.50	Overhang - None	None	0.00				
Misc Load 1	0.5 W/sq ft			SA-Misc - Alt1 City of			Electricity							100	100	0	60.00

SYSTEM ENTERED VALUES

By Honeywell Inc

System - 001 - Variable Volume Reheat (30% Min Flow Default)

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Block		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)		Supply air path / duct location:	Return Air
Max reset:			Space convective gains to occupied layer:	100 %
Use system default outside air reset:	Yes		Underfloor plenum height:	0.0 ft
			Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
			Upstream nominal leakage fraction:	0 %
			Downstream constant leakage fraction:	0 %
			Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Activate After Primary System	None
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:		Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.5 in. wg	0.00035 kW/Cfm-in wg	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

System - 002 - Variable Volume Reheat (30% Min Flow Default)

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Block		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)		Supply air path / duct location:	Return Air
Max reset:			Space convective gains to occupied layer:	100 %
Use system default outside air reset:	Yes		Underfloor plenum height:	0.0 ft
			Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
			Upstream nominal leakage fraction:	0 %
			Downstream constant leakage fraction:	0 %
			Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Activate After Primary System	None
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:		Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.5 in. wg	0.00035 kW/Cfm-in wg	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

System - 003 - Variable Volume Reheat (30% Min Flow Default)

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Block		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)		Supply air path / duct location:	Return Air
Max reset:			Space convective gains to occupied layer:	100 %
Use system default outside air reset:	Yes		Underfloor plenum height:	0.0 ft
			Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
			Upstream nominal leakage fraction:	0 %
			Downstream constant leakage fraction:	0 %
			Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Activate After Primary System	None
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:		Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.5 in. wg	0.00035 kW/Cfm-in wg	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

System - 001 - Variable Volume Reheat (30% Min Flow Default)

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Block		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)		Supply air path / duct location:	Return Air
Max reset:			Space convective gains to occupied layer:	100 %
Use system default outside air reset:	Yes		Underfloor plenum height:	0.0 ft
			Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
			Upstream nominal leakage fraction:	0 %
			Downstream constant leakage fraction:	0 %
			Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Activate After Primary System	None
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:		Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.5 in. wg	0.00035 kW/Cfm-in wg	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

System - 002 - Variable Volume Reheat (30% Min Flow Default)

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Block		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)		Supply air path / duct location:	Return Air
Max reset:			Space convective gains to occupied layer:	100 %
Use system default outside air reset:	Yes		Underfloor plenum height:	0.0 ft
			Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
			Upstream nominal leakage fraction:	0 %
			Downstream constant leakage fraction:	0 %
			Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Activate After Primary System	None
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:		Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.5 in. wg	0.00035 kW/Cfm-in wg	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

System - 003 - Variable Volume Reheat (30% Min Flow Default)

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Block		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)	Supply air path / duct location:	Return Air
Max reset:		Space convective gains to occupied layer:	100 %
Use system default outside air reset:	Yes	Underfloor plenum height:	0.0 ft
		Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
		Upstream nominal leakage fraction:	0 %
		Downstream constant leakage fraction:	0 %
		Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Activate After Primary System	None
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:		Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.5 in. wg	0.00035 kW/Cfm-in wg	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

System - 001 - Variable Volume Reheat (30% Min Flow Default)

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Block		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)		Supply air path / duct location:	Return Air
Max reset:			Space convective gains to occupied layer:	100 %
Use system default outside air reset:	Yes		Underfloor plenum height:	0.0 ft
			Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
			Upstream nominal leakage fraction:	0 %
			Downstream constant leakage fraction:	0 %
			Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Activate After Primary System	None
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:		Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.5 in. wg	0.00035 kW/Cfm-in wg	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

System - 002 - Variable Volume Reheat (30% Min Flow Default)

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Block		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)		Supply air path / duct location:	Return Air
Max reset:			Space convective gains to occupied layer:	100 %
Use system default outside air reset:	Yes		Underfloor plenum height:	0.0 ft
			Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
			Upstream nominal leakage fraction:	0 %
			Downstream constant leakage fraction:	0 %
			Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Activate After Primary System	None
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:		Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.5 in. wg	0.00035 kW/Cfm-in wg	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

System - 003 - Variable Volume Reheat (30% Min Flow Default)

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Block		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)		Supply air path / duct location:	Return Air
Max reset:			Space convective gains to occupied layer:	100 %
Use system default outside air reset:	Yes		Underfloor plenum height:	0.0 ft
			Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
			Upstream nominal leakage fraction:	0 %
			Downstream constant leakage fraction:	0 %
			Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Activate After Primary System	None
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:		Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.5 in. wg	0.00035 kW/Cfm-in wg	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

System - 001 - Variable Volume Reheat (30% Min Flow Default)

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Block		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)		Supply air path / duct location:	Return Air
Max reset:			Space convective gains to occupied layer:	100 %
Use system default outside air reset:	Yes		Underfloor plenum height:	0.0 ft
			Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
			Upstream nominal leakage fraction:	0 %
			Downstream constant leakage fraction:	0 %
			Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Activate After Primary System	None
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:		Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.5 in. wg	0.00035 kW/Cfm-in wg	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

System - 002 - Variable Volume Reheat (30% Min Flow Default)

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Block		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)		Supply air path / duct location:	Return Air
Max reset:			Space convective gains to occupied layer:	100 %
Use system default outside air reset:	Yes		Underfloor plenum height:	0.0 ft
			Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
			Upstream nominal leakage fraction:	0 %
			Downstream constant leakage fraction:	0 %
			Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Activate After Primary System	None
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:		Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.5 in. wg	0.00035 kW/Cfm-in wg	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

SYSTEM ENTERED VALUES

By Honeywell Inc

System - 003 - Variable Volume Reheat (30% Min Flow Default)

Design Air Conditions

	Max	Min				
Cooling supply:			Supply duct temperature diff:	0.0 °F	Design humidity ratio diff:	
Leaving cooling coil:			Reheat Temperature diff:	0.0 °F	Min room relative humidity:	
Heating supply:						

Advanced Options

Cooling coil sizing method:	Block	Supply fan motor location:	Supply	Night purge schedule:	Off (0%)
Cooling coil location:	System	Return fan motor location:	Return	Optimum start schedule:	Off (0%)
Block cooling airflow:		Supply fan cofiguration:	Draw Thru	Optimum stop schedule:	Off (0%)
Ventilation deck location:	Return/Outdoor Deck	Supply fan sizing:	Block		
Supply duct location:	Return Air	Fan mechanical efficiency :	75%	CO2-based DCV:	None
Return air path:	PLENUM	Apply Std62 People Avg:	No		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)		Supply air path / duct location:	Return Air
Max reset:			Space convective gains to occupied layer:	100 %
Use system default outside air reset:	Yes		Underfloor plenum height:	0.0 ft
			Conductive resistance of raised floor:	0.8 hr·ft²·°F/Btu
			Upstream nominal leakage fraction:	0 %
			Downstream constant leakage fraction:	0 %
			Aux cooling coil losses to plenum:	0 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Activate After Primary System	None
Auxiliary fan	No Fan	

Coils

	Capacity	Schedule	Diversity	
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People	100%
Aux cooling:		Available (100%)	Lights	100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads	100%
Aux heating:		Available (100%)		
Preheat:	100.0% of Design Capacity	Available (100%)		
Reheat:	100.0 % of Design Capacity	Available (100%)		
Humidification:	100.0 % of Design Capacity	Available (100%)		

Fans

	Type	Static Press.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary	FC Centrifugal var freq drv	2.5 in. wg	0.00035 kW/Cfm-in wg	Available (100%)	90	
Secondary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	0.00000 kW	Available (100%)	85	
	LEED Fan Power Adjustment	0.0 in. wg				

ENTERED VALUES

Walls by Direction

By Honeywell Inc

Alternative 1

North East (45 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R1 NE	NE Wall	2,369.5	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	473.9	0.47	0.5000	Overhang - None	None
W2-R6 NE_1	NE Wall	4,200.0	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	840.0	0.47	0.5000	Overhang - None	None
W2-R6 NE_2	NE Wall	4,820.0	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	964.0	0.47	0.5000	Overhang - None	None
		11,389.5			**0.0427**			**2,277.9**	**0.47**	**0.5000**		

South East (135 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R2 SE	SE Wall	2,709.0	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	541.8	0.47	0.5000	Overhang - None	None
W2-R7 SE	SE Wall	2,170.0	0	8" HW Block, 3" Ins	0.0801	0.90						
	Opening - 1			Window			Double Coated 1/4"	434.0	0.47	0.5000	Overhang - None	None
		4,879.0			**0.0614**			**975.8**	**0.47**	**0.5000**		

South West (225 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W2-R8 SW_1	SW Wall	2,160.0	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	432.0	0.47	0.5000	Overhang - None	None
W2-R8 SW_2	SW Wall	1,064.0	0	8" HW Block, 3" Ins	0.0801	0.90						
	Opening - 1			Window			Double Coated 1/4"	212.8	0.47	0.5000	Overhang - None	None
W2-R8 SW_3	SW Wall	4,200.0	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	840.0	0.47	0.5000	Overhang - None	None
		7,424.0			**0.0552**			**1,484.8**	**0.47**	**0.6000**		

ENTERED VALUES

Walls by Direction

By Honeywell Inc

North West (315 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R4 NW	NW Wall	2,842.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Double Coated 1/4*	568.4	0.47	0.5000	Overhang - None	None
		2,842.0			**0.4376**			**568.4**	**0.47**	**0.5000**		
Total Area		**26,534.5**						**5,306.9**				

ENTERED VALUES

Walls by Direction

By Honeywell Inc

Alternative 2

North East (45 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R1 NE	NE Wall	2,369.5	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	473.9	0.47	0.5000	Overhang - None	None
W2-R6 NE_1	NE Wall	4,200.0	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	840.0	0.47	0.5000	Overhang - None	None
W2-R6 NE_2	NE Wall	4,820.0	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	964.0	0.47	0.5000	Overhang - None	None
		11,389.5			**0.0427**			**2,277.9**	**0.47**	**0.5000**		

South East (135 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R2 SE	SE Wall	2,709.0	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	541.8	0.47	0.5000	Overhang - None	None
W2-R7 SE	SE Wall	2,170.0	0	8" HW Block, 3" Ins	0.0801	0.90						
	Opening - 1			Window			Double Coated 1/4"	434.0	0.47	0.5000	Overhang - None	None
		4,879.0			**0.0614**			**975.8**	**0.47**	**0.5000**		

South West (225 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W2-R8 SW_1	SW Wall	2,160.0	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	432.0	0.47	0.5000	Overhang - None	None
W2-R8 SW_2	SW Wall	1,064.0	0	8" HW Block, 3" Ins	0.0801	0.90						
	Opening - 1			Window			Double Coated 1/4"	212.8	0.47	0.5000	Overhang - None	None
W2-R8 SW_3	SW Wall	4,200.0	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	840.0	0.47	0.5000	Overhang - None	None
		7,424.0			**0.0552**			**1,484.8**	**0.47**	**0.5000**		

ENTERED VALUES

Walls by Direction

By Honeywell Inc

North West (315 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	External Shading	Internal Shading
W1-R4 NW	NW Wall	2,842.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Double Coated 1/4*	568.4	0.47	0.5000	Overhang - None	None
		2,842.0			**0.4376**			**568.4**	**0.47**	**0.5000**		
Total Area		**26,534.5**						**5,306.9**				

ENTERED VALUES

Walls by Direction

By Honeywell Inc

Alternative 3

North East (45 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R1 NE	NE Wall Opening - 1	2,369.5	0	8" LW Block, 6" Ins Window	0.0427	0.90	Double Coated 1/4"	473.9	0.47	0.5000	Overhang - None	None
W2-R6 NE_1	NE Wall Opening - 1	4,200.0	0	8" LW Block, 6" Ins Window	0.0427	0.90	Double Coated 1/4"	840.0	0.47	0.5000	Overhang - None	None
W2-R6 NE_2	NE Wall Opening - 1	4,820.0	0	8" LW Block, 6" Ins Window	0.0427	0.90	Double Coated 1/4"	964.0	0.47	0.5000	Overhang - None	None
		11,389.5			**0.0427**			**2,277.9**	**0.47**	**0.5000**		

South East (135 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R2 SE	SE Wall Opening - 1	2,709.0	0	8" LW Block, 6" Ins Window	0.0427	0.90	Double Coated 1/4"	541.8	0.47	0.5000	Overhang - None	None
W2-R7 SE	SE Wall Opening - 1	2,170.0	0	8" HW Block, 3" Ins Window	0.0801	0.90	Double Coated 1/4"	434.0	0.47	0.5000	Overhang - None	None
		4,879.0			**0.0614**			**975.8**	**0.47**	**0.5000**		

South West (225 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W2-R8 SW_1	SW Wall Opening - 1	2,160.0	0	8" LW Block, 6" Ins Window	0.0427	0.90	Double Coated 1/4"	432.0	0.47	0.5000	Overhang - None	None
W2-R8 SW_2	SW Wall Opening - 1	1,064.0	0	8" HW Block, 3" Ins Window	0.0801	0.90	Double Coated 1/4"	212.8	0.47	0.5000	Overhang - None	None
W2-R8 SW_3	SW Wall Opening - 1	4,200.0	0	8" LW Block, 6" Ins Window	0.0427	0.90	Double Coated 1/4"	840.0	0.47	0.5000	Overhang - None	None
		7,424.0			**0.0552**			**1,484.8**	**0.47**	**0.5000**		

ENTERED VALUES

Walls by Direction

By Honeywell Inc

North West (315 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R4 NW	NW Wall	2,842.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Double Coated 1/4*	568.4	0.47	0.5000	Overhang - None	None
		2,842.0			**0.4376**			**568.4**	**0.47**	**0.5000**		
Total Area		**26,534.5**						**5,306.9**				

ENTERED VALUES

Walls by Direction

By Honeywell Inc

Alternative 4

North East (45 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R1 NE	NE Wall	2,369.5	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	473.9	0.47	0.5000	Overhang - None	None
W2-R6 NE_1	NE Wall	4,200.0	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	840.0	0.47	0.5000	Overhang - None	None
W2-R6 NE_2	NE Wall	4,820.0	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	964.0	0.47	0.5000	Overhang - None	None
		11,389.5			**0.0427**			**2,277.9**	**0.47**	**0.5000**		

South East (135 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R2 SE	SE Wall	2,709.0	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	541.8	0.47	0.5000	Overhang - None	None
W2-R7 SE	SE Wall	2,170.0	0	8" HW Block, 3" Ins	0.0801	0.90						
	Opening - 1			Window			Double Coated 1/4"	434.0	0.47	0.5000	Overhang - None	None
		4,879.0			**0.0614**			**975.8**	**0.47**	**0.5000**		

South West (225 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W2-R8 SW_1	SW Wall	2,160.0	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	432.0	0.47	0.5000	Overhang - None	None
W2-R8 SW_2	SW Wall	1,064.0	0	8" HW Block, 3" Ins	0.0801	0.90						
	Opening - 1			Window			Double Coated 1/4"	212.8	0.47	0.5000	Overhang - None	None
W2-R8 SW_3	SW Wall	4,200.0	0	8" LW Block, 6" Ins	0.0427	0.90						
	Opening - 1			Window			Double Coated 1/4"	840.0	0.47	0.5000	Overhang - None	None
		7,424.0			**0.0552**			**1,484.8**	**0.47**	**0.5000**		

ENTERED VALUES

Walls by Direction

By Honeywell Inc

North West (315 degrees)

Room Description	Wall Description	Area	Tilt	Const Type	U Value Btu/h·ft²·°F	Alpha	Glass Type	Glass Area ft²	Glass SHGC	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass Internal Shading
W1-R4 NW	NW Wall	2,842.0	0	Frame Wall, No Ins	0.4376	0.90						
	Opening - 1			Window			Double Coated 1/4"	568.4	0.47	0.5000	Overhang - None	None
		2,842.0			**0.4376**			**568.4**	**0.47**	**0.5000**		
Total Area		**26,534.5**						**5,306.9**				

Location	**City of Port St Lucie**
Building owner	**City of Port St Lucie**
Program user	**Prakash**
Company	**City of Port St Lucie**
Comments	

By	**Honeywell**
Dataset name	**D:\PROJECTS\PORT ST LUCIE\BUILDING MODELLING\CIVIC CENTER\PSL_CIVIC_A_3.TRC**

Calculation time	**08:20 PM on 01/23/2012**
TRACE® 700 version	**6.2.7**

Location	**West Palm Beach, Florida**	
Latitude	**26.7**	**deg**
Longitude	**80.2**	**deg**
Time Zone	**5**	
Elevation	**15**	**ft**
Barometric pressure	**29.9**	**in. Hg**
Air density	**0.0760**	**lb/cu ft**
Air specific heat	**0.2444**	**Btu/lb·°F**
Density-specific heat product	**1.1147**	**Btu/h·cfm·°F**
Latent heat factor	**4,906.9**	**Btu·min/h·cu ft**
Enthalpy factor	**4.5604**	**lb·min/hr·cu ft**
Summer design dry bulb	**92**	**°F**
Summer design wet bulb	**79**	**°F**
Winter design dry bulb	**45**	**°F**
Summer clearness number	**0.90**	
Winter clearness number	**0.95**	
Summer ground reflectance	**0.20**	
Winter ground reflectance	**0.20**	
Carbon Dioxide Level	**400**	**ppm**

Design simulation period	**January - December**
Cooling load methodology	**TETD-TA1**
Heating load methodology	**UATD**

MONTHLY ENERGY CONSUMPTION

By Honeywell

------- Monthly Energy Consumption -------

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative: 1 City of PSL_Civic Center_Baseline													
Electric													
On-Pk Cons. (kWh)	193,147	170,932	235,404	243,513	261,889	234,442	253,772	255,558	277,783	257,903	225,739	216,694	2,826,775
On-Pk Demand (kW)	604	611	721	741	754	614	642	620	786	746	715	688	786

Energy Consumption		
Building	89,982	Btu/(ft2-year)
Source	269,974	Btu/(ft2-year)
Floor Area	107,219	ft2

Environmental Impact Analysis	
CO2	111,655,768 lbm/year
SO2	316,814 gm/year
NOX	179,160 gm/year

Alternative: 2 City of PSL_Civic_ECM_Lighting

Electric

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
On-Pk Cons. (kWh)	174,177	154,436	216,785	225,351	243,364	216,007	234,013	236,673	259,822	239,527	208,163	198,180	2,606,498
On-Pk Demand (kW)	557	563	682	703	716	570	592	582	749	708	677	646	749

Energy Consumption		
Building	82,971	Btu/(ft2-year)
Source	248,937	Btu/(ft2-year)
Floor Area	107,219	ft2

Environmental Impact Analysis	
CO2	102,954,952 lbm/year
SO2	292,126 gm/year
NOX	165,199 gm/year

MONTHLY ENERGY CONSUMPTION

By Honeywell

------- Monthly Energy Consumption -------

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative: 3 City of PSL_Civic_ECM_Infiltration													
Electric													
On-Pk Cons. (kWh)	170,589	151,593	207,223	211,656	228,713	200,263	209,289	212,363	238,265	224,666	200,301	191,421	2,446,343
On-Pk Demand (kW)	548	548	657	683	696	551	558	558	723	688	663	631	723

Energy Consumption		
Building	77,872	Btu/(ft2-year)
Source	233,641	Btu/(ft2-year)
Floor Area	107,219	ft2

Environmental Impact Analysis	
CO2	96,628,928 lbm/year
SO2	274,177 gm/year
NOX	155,049 gm/year

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative: 4 City of PSL_Civic_ECM_Mech_Pumping Upgrade													
Electric													
On-Pk Cons. (kWh)	160,907	142,439	198,705	204,465	221,706	191,742	199,989	201,715	232,238	217,453	192,477	183,069	2,346,905
On-Pk Demand (kW)	537	537	656	683	696	537	545	541	723	688	663	629	723

Energy Consumption		
Building	74,707	Btu/(ft2-year)
Source	224,144	Btu/(ft2-year)
Floor Area	107,219	ft2

Environmental Impact Analysis	
CO2	92,701,216 lbm/year
SO2	263,032 gm/year
NOX	148,746 gm/year

MONTHLY ENERGY CONSUMPTION

By Honeywell

------- Monthly Energy Consumption -------

Utility		Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative: 4	**City of PSL_Civic_ECM_Mech_Pumping Upgr**													
Electric														
	On-Pk Cons. (kWh)	160,907	142,439	198,705	204,465	221,706	191,742	199,989	201,715	232,238	217,453	192,477	183,069	2,346,905
	On-Pk Demand (kW)	537	537	656	683	696	537	545	541	723	688	663	629	723

Energy Consumption		
Building	74,707	Btu/(ft2-year)
Source	224,144	Btu/(ft2-year)
Floor Area	107,219	ft2

Environmental Impact Analysis	
CO2	92,701,216 lbm/year
SO2	263,032 gm/year
NOX	148,746 gm/year

Utility		Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative: 5	**PSL_Civic_ECM_Contr_Night Temp Setback**													
Electric														
	On-Pk Cons. (kWh)	141,953	124,796	174,706	178,173	197,903	174,505	181,242	182,933	211,638	191,940	168,099	158,212	2,086,100
	On-Pk Demand (kW)	518	518	626	642	655	557	546	555	679	646	625	575	679

Energy Consumption		
Building	66,405	Btu/(ft2-year)
Source	199,235	Btu/(ft2-year)
Floor Area	107,219	ft2

Environmental Impact Analysis	
CO2	82,399,592 lbm/year
SO2	233,802 gm/year
NOX	132,217 gm/year

MONTHLY ENERGY CONSUMPTION

By Honeywell

------ Monthly Energy Consumption -------

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative: 6 **PSL_Civic_ECM_Contr_Chilled Water Reset**													
Electric													
On-Pk Cons. (kWh)	140,339	123,467	173,023	176,580	196,317	172,363	178,813	180,620	210,113	190,369	166,511	156,582	2,065,096
On-Pk Demand (kW)	516	516	626	642	655	554	542	552	679	646	625	574	679

Energy Consumption		
Building	65,737	Btu/(ft2-year)
Source	197,229	Btu/(ft2-year)
Floor Area	107,219	ft2

Environmental Impact Analysis	
CO2	81,569,944 lbm/year
SO2	231,448 gm/year
NOX	130,885 gm/year

Alternative: 7	PSL_Civic_ECM_Contr_DCV												
Electric													
On-Pk Cons. (kWh)	140,136	123,455	169,961	172,964	189,838	168,479	176,838	178,428	204,213	185,210	162,895	154,811	2,027,230
On-Pk Demand (kW)	511	512	606	642	655	542	538	548	679	642	596	550	679

Energy Consumption		
Building	64,531	Btu/(ft2-year)
Source	193,613	Btu/(ft2-year)
Floor Area	107,219	ft2

Environmental Impact Analysis	
CO2	80,074,264 lbm/year
SO2	227,204 gm/year
NOX	128,485 gm/year

ELECTRICAL PEAK CHECKSUMS

By Honeywell

Alternative 1 **Baseline**

Yearly Time of Peak: 14(Hr) 9(Month)

Equipment Description		Electrical Demand (kw)	Percent of Total (%)
Cooling Equipment			
Air-cooled chiller - 001		235.93	30.00
Air-cooled chiller - 002		235.93	30.00
	Sub total	471.86	60.00
Fan Equipment			
Sys 3: System - 003		8.70	1.11
Sys 2: System - 002		44.00	5.60
Sys 1: System - 001		99.24	12.62
	Sub total	151.94	19.33
Miscellaneous			
Misc Equipment		34.00	4.32
Base Utilities		0.00	0.00
Lights		128.66	16.36
	Sub total	162.66	20.68
	Total	786.46	100

Alternative 2 **Lighting**

Yearly Time of Peak: 14(Hr) 9(Month)

Equipment Description		Electrical Demand (kw)	Percent of Total (%)
Cooling Equipment			
Air-cooled chiller - 001		235.93	31.52
Air-cooled chiller - 002		235.93	31.52
	Sub total	471.86	63.04
Fan Equipment			
Sys 3: System - 003		8.29	1.11
Sys 2: System - 002		41.87	5.59
Sys 1: System - 001		95.57	12.77
	Sub total	145.73	19.47
Miscellaneous			
Lights		96.97	12.95
Misc Equipment		34.00	4.54
Base Utilities		0.00	0.00
	Sub total	130.97	17.49
	Total	748.56	100

MONTHLY UTILITY COSTS

By Honeywell

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
	------- Monthly Utility Costs -------												

Alternative 8 – 76 degrees

Electric

On-Pk Cons. ($)	8,188	7,213	10,012	10,192	11,149	9,600	10,026	10,115	11,904	10,885	9,594	9,109	117,987
Off-Pk Cons. ($)	16	16	16	16	16	16	16	16	16	16	16	16	197
On-Pk Demand ($)	4,978	5,001	5,613	5,999	6,264	5,175	4,872	5,036	6,777	5,947	5,537	5,179	66,376
Total ($):	13,183	12,230	15,641	16,208	17,430	14,791	14,914	15,167	18,697	16,849	15,147	14,304	184,560
Monthly Total ($):	13,183	12,230	15,641	16,208	17,430	14,791	14,914	15,167	18,697	16,849	15,147	14,304	184,560

Building Area = 107,219 ft²

Utility Cost Per Area = 1.72 $/ft²

ELECTRICAL PEAK CHECKSUMS

By Honeywell

Alternative 3 **Infiltration**

Yearly Time of Peak: 14(Hr) 9(Month)

Equipment Description		Electrical Demand (kw)	Percent of Total (%)
Cooling Equipment			
Air-cooled chiller - 001		235.93	32.65
Air-cooled chiller - 002		235.93	32.65
	Sub total	471.86	65.30
Fan Equipment			
Sys 3: System - 003		5.12	0.71
Sys 2: System - 002		24.79	3.43
Sys 1: System - 001		89.92	12.44
	Sub total	119.83	16.58
Miscellaneous			
Misc Equipment		34.00	4.70
Base Utilities		0.00	0.00
Lights		96.97	13.42
	Sub total	130.97	18.12
	Total	722.66	100

Alternative 4 **VFD Pumping**

Yearly Time of Peak: 14(Hr) 9(Month)

Equipment Description		Electrical Demand (kw)	Percent of Total (%)
Cooling Equipment			
Air-cooled chiller - 001		235.87	32.64
Air-cooled chiller - 002		235.87	32.64
	Sub total	471.74	65.28
Fan Equipment			
Sys 3: System - 003		5.12	0.71
Sys 2: System - 002		24.79	3.43
Sys 1: System - 001		89.92	12.44
	Sub total	119.83	16.58
Miscellaneous			
Base Utilities		0.00	0.00
Lights		96.97	13.42
Misc Equipment		34.00	4.70
	Sub total	130.97	18.12
	Total	722.54	100

ELECTRICAL PEAK CHECKSUMS

By Honeywell

Alternative 4 **ECM_Mech_Pumping**

Yearly Time of Peak: 14(Hr) 9(Month)

Equipment Description		Electrical Demand (kw)	Percent of Total (%)
Cooling Equipment			
Air-cooled chiller - 001		235.87	32.64
Air-cooled chiller - 002		235.87	32.64
	Sub total	471.74	65.28
Fan Equipment			
Sys 3: System - 003		5.12	0.71
Sys 2: System - 002		24.79	3.43
Sys 1: System - 001		89.92	12.44
	Sub total	119.83	16.58
Miscellaneous			
Misc Equipment		34.00	4.70
Base Utilities		0.00	0.00
Lights		96.97	13.42
	Sub total	130.97	18.12
	Total	722.54	100

Alternative 5 **Night Temp Setback**

Yearly Time of Peak: 15(Hr) 9(Month)

Equipment Description		Electrical Demand (kw)	Percent of Total (%)
Cooling Equipment			
Air-cooled chiller - 001		235.53	34.67
Air-cooled chiller - 002		235.53	34.67
	Sub total	471.06	69.34
Fan Equipment			
Sys 3: System - 003		2.72	0.40
Sys 2: System - 002		31.43	4.63
Sys 1: System - 001		43.27	6.37
	Sub total	77.42	11.40
Miscellaneous			
Lights		96.97	14.27
Misc Equipment		34.00	5.00
Base Utilities		0.00	0.00
	Sub total	130.97	19.27
	Total	679.45	100

ELECTRICAL PEAK CHECKSUMS

By Honeywell

Alternative 6 **Chilled Water Reset**

Yearly Time of Peak: 15(Hr) 9(Month)

Equipment Description		Electrical Demand (kw)	Percent of Total (%)
Cooling Equipment			
Air-cooled chiller - 001		235.53	34.67
Air-cooled chiller - 002		235.53	34.67
	Sub total	471.06	69.34
Fan Equipment			
Sys 3: System - 003		2.72	0.40
Sys 2: System - 002		31.43	4.63
Sys 1: System - 001		43.27	6.37
	Sub total	77.42	11.40
Miscellaneous			
Misc Equipment		34.00	5.00
Base Utilities		0.00	0.00
Lights		96.97	14.27
	Sub total	130.97	19.27
	Total	679.45	100

Alternative 7 **ECM_Contr_DCV**

Yearly Time of Peak: 15(Hr) 9(Month)

Equipment Description		Electrical Demand (kw)	Percent of Total (%)
Cooling Equipment			
Air-cooled chiller - 001		235.53	34.67
Air-cooled chiller - 002		235.53	34.67
	Sub total	471.06	69.34
Fan Equipment			
Sys 3: System - 003		2.70	0.40
Sys 2: System - 002		31.38	4.62
Sys 1: System - 001		43.22	6.36
	Sub total	77.30	11.38
Miscellaneous			
Base Utilities		0.00	0.00
Lights		96.97	14.27
Misc Equipment		34.00	5.00
	Sub total	130.97	19.27
	Total	679.33	100

ENERGY CONSUMPTION SUMMARY

By Honeywell

	Elect Cons. (kWh)	% of Total Building Energy	Total Building Energy (kBtu/yr)	Total Source Energy* (kBtu/yr)
Alternative 1				
Primary heating				
Primary heating	2,905	0.1 %	9,915	29,748
Other Htg Accessories		0.0 %	0	0
Heating Subtotal	**2,905**	**0.1 %**	**9,915**	**29,748**
Primary cooling				
Cooling Compressor	1,268,859	44.9 %	4,330,617	12,993,149
Tower/Cond Fans	152,768	5.4 %	521,398	1,564,351
Condenser Pump		0.0 %	0	0
Other Clg Accessories	1,213	0.0 %	4,139	12,417
Cooling Subtotal....	**1,422,840**	**50.3 %**	**4,856,153**	**14,569,916**
Auxiliary				
Supply Fans	431,272	15.3 %	1,471,930	4,416,233
Pumps	180,848	6.4 %	617,234	1,851,887
Stand-alone Base Utilities		0.0 %	0	0
Aux Subtotal....	612,120	21.7 %	2,089,164	6,268,120
Lighting				
Lighting	610,505	21.6 %	2,083,654	6,251,586
Receptacle				
Receptacles	178,408	6.3 %	608,907	1,826,903
Cogeneration				
Cogeneration		0.0 %	0	0
Totals				
Totals**	**2,826,778**	**100.0 %**	**9,647,792**	**28,946,270**

* Note: Resource Utilization factors are included in the Total Source Energy value.
** Note: This report can display a maximum of 7 utilities. If additional utilities are used, they will be included in the total.

Project Name: City of PSL_Civic Center
Dataset Name: PSL_CIVIC_A_3.TRC

ENERGY CONSUMPTION SUMMARY

By Honeywell

	Elect Cons. (kWh)	% of Total Building Energy	Total Building Energy (kBtu/yr)	Total Source Energy* (kBtu/yr)
Alternative 2				
Primary heating				
Primary heating	3,422	0.1 %	11,680	35,042
Other Htg Accessories		0.0 %	0	0
Heating Subtotal	**3,422**	**0.1 %**	**11,680**	**35,042**
Primary cooling				
Cooling Compressor	1,231,914	47.3 %	4,204,523	12,614,831
Tower/Cond Fans	148,054	5.7 %	505,309	1,516,077
Condenser Pump		0.0 %	0	0
Other Clg Accessories	1,190	0.1 %	4,061	12,186
Cooling Subtotal....	**1,381,158**	**53.0 %**	**4,713,894**	**14,143,094**
Auxiliary				
Supply Fans	405,917	15.6 %	1,385,394	4,156,598
Pumps	177,477	6.8 %	605,730	1,817,372
Stand-alone Base Utilities		0.0 %	0	0
Aux Subtotal....	583,394	22.4 %	1,991,124	5,973,970
Lighting				
Lighting	460,116	17.7 %	1,570,377	4,711,602
Receptacle				
Receptacles	178,408	6.8 %	608,907	1,826,903
Cogeneration				
Cogeneration		0.0 %	0	0
Totals				
Totals**	**2,606,499**	**100.0 %**	**8,895,981**	**26,690,612**

* Note: Resource Utilization factors are included in the Total Source Energy value.
** Note: This report can display a maximum of 7 utilities. If additional utilities are used, they will be included in the total.

ENERGY CONSUMPTION SUMMARY

By Honeywell

	Elect Cons. (kWh)	% of Total Building Energy	Total Building Energy (kBtu/yr)	Total Source Energy* (kBtu/yr)
Alternative 3				
Primary heating				
Primary heating	1,618	0.1 %	5,523	16,569
Other Htg Accessories		0.0 %	0	0
Heating Subtotal	**1,618**	**0.1 %**	**5,523**	**16,569**
Primary cooling				
Cooling Compressor	1,162,621	47.5 %	3,968,024	11,905,261
Tower/Cond Fans	140,089	5.7 %	478,125	1,434,518
Condenser Pump		0.0 %	0	0
Other Clg Accessories	1,154	0.1 %	3,940	11,820
Cooling Subtotal....	**1,303,864**	**53.3 %**	**4,450,088**	**13,351,598**
Auxiliary				
Supply Fans	330,184	13.5 %	1,126,916	3,381,087
Pumps	172,153	7.0 %	587,558	1,762,851
Stand-alone Base Utilities		0.0 %	0	0
Aux Subtotal....	502,337	20.5 %	1,714,474	5,143,938
Lighting				
Lighting	460,116	18.8 %	1,570,377	4,711,602
Receptacle				
Receptacles	178,408	7.3 %	608,907	1,826,903
Cogeneration				
Cogeneration		0.0 %	0	0
Totals				
Totals**	**2,446,343**	**100.0 %**	**8,349,369**	**25,050,610**

* Note: Resource Utilization factors are included in the Total Source Energy value.

** Note: This report can display a maximum of 7 utilities. If additional utilities are used, they will be included in the total.

Project Name: City of PSL_Civic Center
Dataset Name: PSL_CIVIC_A_3.TRC

ENERGY CONSUMPTION SUMMARY

By Honeywell

	Elect Cons. (kWh)	% of Total Building Energy	Total Building Energy (kBtu/yr)	Total Source Energy* (kBtu/yr)
Alternative 4				
Primary heating				
Primary heating	1,618	0.1 %	5,523	16,569
Other Htg Accessories		0.0 %	0	0
Heating Subtotal	**1,618**	**0.1 %**	**5,523**	**16,569**
Primary cooling				
Cooling Compressor	1,162,621	49.5 %	3,968,024	11,905,261
Tower/Cond Fans	140,089	6.0 %	478,125	1,434,518
Condenser Pump		0.0 %	0	0
Other Clg Accessories	1,154	0.1 %	3,940	11,820
Cooling Subtotal....	**1,303,864**	**55.6 %**	**4,450,088**	**13,351,598**
Auxiliary				
Supply Fans	330,184	14.1 %	1,126,916	3,381,087
Pumps	72,716	3.1 %	248,178	744,609
Stand-alone Base Utilities		0.0 %	0	0
Aux Subtotal....	402,899	17.2 %	1,375,094	4,125,696
Lighting				
Lighting	460,116	19.6 %	1,570,377	4,711,602
Receptacle				
Receptacles	178,408	7.6 %	608,907	1,826,903
Cogeneration				
Cogeneration		0.0 %	0	0
Totals				
Totals**	**2,346,906**	**100.0 %**	**8,009,988**	**24,032,368**

* Note: Resource Utilization factors are included in the Total Source Energy value.
** Note: This report can display a maximum of 7 utilities. If additional utilities are used, they will be included in the total.

ENERGY CONSUMPTION SUMMARY

By Honeywell

	Elect Cons. (kWh)	% of Total Building Energy	Total Building Energy (kBtu/yr)	Total Source Energy* (kBtu/yr)
Alternative 1				
Primary heating				
Primary heating	1,618	0.1 %	5,523	16,569
Other Htg Accessories		0.0 %	0	0
Heating Subtotal	**1,618**	**0.1 %**	**5,523**	**16,569**
Primary cooling				
Cooling Compressor	1,162,621	49.5 %	3,968,024	11,905,261
Tower/Cond Fans	140,089	6.0 %	478,125	1,434,518
Condenser Pump		0.0 %	0	0
Other Clg Accessories	1,154	0.1 %	3,940	11,820
Cooling Subtotal....	**1,303,864**	**55.6 %**	**4,450,088**	**13,351,598**
Auxiliary				
Supply Fans	330,184	14.1 %	1,126,916	3,381,087
Pumps	72,716	3.1 %	248,178	744,609
Stand-alone Base Utilities		0.0 %	0	0
Aux Subtotal....	402,899	17.2 %	1,375,094	4,125,696
Lighting				
Lighting	460,116	19.6 %	1,570,377	4,711,602
Receptacle				
Receptacles	178,408	7.6 %	608,907	1,826,903
Cogeneration				
Cogeneration		0.0 %	0	0
Totals				
Totals**	**2,346,906**	**100.0 %**	**8,009,988**	**24,032,368**

* Note: Resource Utilization factors are included in the Total Source Energy value.

** Note: This report can display a maximum of 7 utilities. If additional utilities are used, they will be included in the total.

ENERGY CONSUMPTION SUMMARY

By Honeywell

	Elect Cons. (kWh)	% of Total Building Energy	Total Building Energy (kBtu/yr)	Total Source Energy* (kBtu/yr)
Alternative 5				
Primary heating				
Primary heating	8,397	0.4 %	28,657	85,980
Other Htg Accessories		0.0 %	0	0
Heating Subtotal	**8,397**	**0.4 %**	**28,657**	**85,980**
Primary cooling				
Cooling Compressor	1,028,157	49.3 %	3,509,099	10,528,348
Tower/Cond Fans	123,488	5.9 %	421,465	1,264,520
Condenser Pump		0.0 %	0	0
Other Clg Accessories	1,018	0.1 %	3,474	10,422
Cooling Subtotal....	**1,152,662**	**55.3 %**	**3,934,037**	**11,803,290**
Auxiliary				
Supply Fans	226,875	10.9 %	774,325	2,323,206
Pumps	59,643	2.9 %	203,561	610,743
Stand-alone Base Utilities		0.0 %	0	0
Aux Subtotal....	286,518	13.7 %	977,885	2,933,949
Lighting				
Lighting	460,116	22.1 %	1,570,377	4,711,602
Receptacle				
Receptacles	178,408	8.6 %	608,907	1,826,903
Cogeneration				
Cogeneration		0.0 %	0	0
Totals				
Totals**	**2,086,101**	**100.0 %**	**7,119,863**	**21,361,724**

* Note: Resource Utilization factors are included in the Total Source Energy value.
** Note: This report can display a maximum of 7 utilities. If additional utilities are used, they will be included in the total.

ENERGY CONSUMPTION SUMMARY

By Honeywell

	Elect Cons. (kWh)	% of Total Building Energy	Total Building Energy (kBtu/yr)	Total Source Energy* (kBtu/yr)
Alternative 6				
Primary heating				
Primary heating	8,397	0.4 %	28,657	85,980
Other Htg Accessories		0.0 %	0	0
Heating Subtotal	**8,397**	**0.4 %**	**28,657**	**85,980**
Primary cooling				
Cooling Compressor	1,007,643	48.8 %	3,439,084	10,318,283
Tower/Cond Fans	122,998	6.0 %	419,792	1,259,502
Condenser Pump		0.0 %	0	0
Other Clg Accessories	1,018	0.1 %	3,474	10,422
Cooling Subtotal....	**1,131,658**	**54.8 %**	**3,862,349**	**11,588,206**
Auxiliary				
Supply Fans	226,875	11.0 %	774,325	2,323,206
Pumps	59,643	2.9 %	203,561	610,743
Stand-alone Base Utilities		0.0 %	0	0
Aux Subtotal....	286,518	13.9 %	977,885	2,933,949
Lighting				
Lighting	460,116	22.3 %	1,570,377	4,711,602
Receptacle				
Receptacles	178,408	8.6 %	608,907	1,826,903
Cogeneration				
Cogeneration		0.0 %	0	0
Totals				
Totals**	**2,065,097**	**100.0 %**	**7,048,175**	**21,146,640**

* Note: Resource Utilization factors are included in the Total Source Energy value.
** Note: This report can display a maximum of 7 utilities. If additional utilities are used, they will be included in the total.

ENERGY CONSUMPTION SUMMARY

By Honeywell

	Elect Cons. (kWh)	% of Total Building Energy	Total Building Energy (kBtu/yr)	Total Source Energy* (kBtu/yr)
Alternative 7				
Primary heating				
Primary heating	8,477	0.4 %	28,933	86,807
Other Htg Accessories		0.0 %	0	0
Heating Subtotal	**8,477**	**0.4 %**	**28,933**	**86,807**
Primary cooling				
Cooling Compressor	976,826	48.2 %	3,333,908	10,002,724
Tower/Cond Fans	119,281	5.9 %	407,105	1,221,436
Condenser Pump		0.0 %	0	0
Other Clg Accessories	1,013	0.1 %	3,457	10,371
Cooling Subtotal....	**1,097,120**	**54.1 %**	**3,744,469**	**11,234,531**
Auxiliary				
Supply Fans	227,467	11.2 %	776,346	2,329,272
Pumps	55,642	2.7 %	189,907	569,777
Stand-alone Base Utilities		0.0 %	0	0
Aux Subtotal....	283,110	14.0 %	966,253	2,899,049
Lighting				
Lighting	460,116	22.7 %	1,570,377	4,711,602
Receptacle				
Receptacles	178,408	8.8 %	608,907	1,826,903
Cogeneration				
Cogeneration		0.0 %	0	0
Totals				
Totals**	**2,027,231**	**100.0 %**	**6,918,938**	**20,758,888**

* Note: Resource Utilization factors are included in the Total Source Energy value.
** Note: This report can display a maximum of 7 utilities. If additional utilities are used, they will be included in the total.

Energy Cost Budget / PRM Summary

By Honeywell

Project Name: City of PSL_Civic Center	Date: January 23, 2012
City: City of Port St Lucie	Weather Data: West Palm Beach, Florida

Note: The percentage displayed for the "Proposed/ Base %" column of the base case is actually the percentage of the total energy consumption.

* Denotes the base alternative for the ECB study.

		* Alt-1 Baseline			Alt-2 Lighting			Alt-3 Building Envelope			Alt-4 VFD Pumping		
		Energy 10^6 Btu/yr	Proposed / Base %	Peak kBtuh	Energy 10^6 Btu/yr	Proposed / Base %	Peak kBtuh	Energy 10^6 Btu/yr	Proposed / Base %	Peak kBtuh	Energy 10^6 Btu/yr	Proposed / Base %	Peak kBtuh
Lighting - Conditioned	Electricity	2,083.7	22	439	1,570.4	75	331	1,570.4	75	331	1,570.4	75	331
Space Heating	Electricity	9.9	0	191	11.7	118	187	5.5	56	101	5.5	56	101
Space Cooling	Electricity	4,334.8	45	1,361	4,208.6	97	1,361	3,972.0	92	1,376	3,972.0	92	1,376
Pumps	Electricity	617.2	6	102	605.7	98	102	587.6	95	102	248.2	40	101
Heat Rejection	Electricity	521.4	5	147	505.3	97	147	478.1	92	147	478.1	92	147
Fans - Conditioned	Electricity	1,471.9	15	535	1,385.4	94	514	1,126.9	77	428	1,126.9	77	428
Receptacles - Conditioned	Electricity	608.9	6	116	608.9	100	116	608.9	100	116	608.9	100	116
Total Building Consumption		**9,647.8**			**8,896.0**			**8,349.4**			**8,010.0**		

		* Alt-1 Baseline	Alt-2 Lighting	Alt-3 Building Envelope	Alt-4 VFD Pumping
Total	**Number of hours heating load not met**	0	0	0	0
	Number of hours cooling load not met	0	0	31	31

	* Alt-1 Baseline			Alt-2 Lighting			Alt-3 Building Envelope			Alt-4 VFD Pumping		
	Energy 10^6 Btu/yr	Cost/yr	$/yr	Energy 10^6 Btu/yr	Cost/yr	$/yr	Energy 10^6 Btu/yr	Cost/yr	$/yr	Energy 10^6 Btu/yr	Cost/yr	$/yr
Electricity	9,647.8	242,292		8,896.0	224,828		8,349.4	213,318		8,010.0	206,929	
Total	**9,648**	**242,292**		**8,896**	**224,828**		**8,349**	**213,318**		**8,010**	**206,929**	

Energy Cost Budget / PRM Summary

By Honeywell

Project Name:	Date: January 23, 2012
City:	Weather Data: West Palm Beach, Florida

Note: The percentage displayed for the "Proposed/ Base %" column of the base case is actually the percentage of the total energy consumption.

* Denotes the base alternative for the ECB study.

		* Alt-4			Alt-5			Alt-6			Alt-7		
		Energy 10^6 Btu/yr	Proposed / Base %	Peak kBtuh	Energy 10^6 Btu/yr	Proposed / Base %	Peak kBtuh	Energy 10^6 Btu/yr	Proposed / Base %	Peak kBtuh	Energy 10^6 Btu/yr	Proposed / Base %	Peak kBtuh
Lighting - Conditioned	Electricity	1,570.4	20	331	1,570.4	100	331	1,570.4	100	331	1,570.4	100	331
Space Heating	Electricity	5.5	0	101	28.7	519	208	28.7	519	208	28.9	524	208
Space Cooling	Electricity	3,972.0	50	1,376	3,512.6	88	1,361	3,442.6	87	1,361	3,337.4	84	1,372
Pumps	Electricity	248.2	3	101	203.6	82	101	203.6	82	101	189.9	77	101
Heat Rejection	Electricity	478.1	6	147	421.5	88	147	419.8	88	147	407.1	85	147
Fans - Conditioned	Electricity	1,126.9	14	428	774.3	69	279	774.3	69	279	776.3	69	279
Receptacles - Conditioned	Electricity	608.9	8	116	608.9	100	116	608.9	100	116	608.9	100	116
Total Building Consumption		**8,010.0**			**7,119.9**			**7,048.2**			**6,918.9**		

		* Alt-4	Alt-5	Alt-6	Alt-7
Total	**Number of hours heating load not met**	0	0	0	0
	Number of hours cooling load not met	31	1	1	0

	* Alt-4			Alt-5			Alt-6			Alt-7		
	Energy 10^6 Btu/yr	Cost/yr	$/yr	Energy 10^6 Btu/yr	Cost/yr	$/yr	Energy 10^6 Btu/yr	Cost/yr	$/yr	Energy 10^6 Btu/yr	Cost/yr	$/yr
Electricity	8,010.0	206,929		7,119.9	189,149		7,048.2	187,800		6,918.9	184,591	
Total	**8,010**	**206,929**		**7,120**	**189,149**		**7,048**	**187,800**		**6,919**	**184,591**	

MONTHLY UTILITY COSTS

By Honeywell

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
	------- Monthly Utility Costs -------												
Alternative 1													
Electric													
On-Pk Cons. ($)	11,067	9,794	13,489	13,953	15,006	13,434	14,541	14,643	15,917	14,778	12,935	12,417	161,974
Off-Pk Cons. ($)	16	16	16	16	16	16	16	16	16	16	16	16	197
On-Pk Demand ($)	5,875	5,941	7,004	7,202	7,328	5,968	6,238	6,025	7,644	7,254	6,950	6,689	80,120
Total ($):	16,959	15,752	20,509	21,172	22,351	19,418	20,795	20,685	23,578	22,049	19,902	19,122	242,292
Monthly Total ($):	16,959	15,752	20,509	21,172	22,351	19,418	20,795	20,685	23,578	22,049	19,902	19,122	242,292

Building Area = 107,219 ft²

Utility Cost Per Area = 2.26 $/ft²

Alternative 2													
Electric													
On-Pk Cons. ($)	9,980	8,849	12,422	12,913	13,945	12,377	13,409	13,561	14,888	13,725	11,928	11,356	149,352
Off-Pk Cons. ($)	16	16	16	16	16	16	16	16	16	16	16	16	197
On-Pk Demand ($)	5,409	5,474	6,631	6,832	6,959	5,540	5,753	5,658	7,276	6,885	6,578	6,282	75,278
Total ($):	15,406	14,340	19,069	19,761	20,920	17,934	19,179	19,236	22,180	20,626	18,523	17,655	224,828
Monthly Total ($):	15,406	14,340	19,069	19,761	20,920	17,934	19,179	19,236	22,180	20,626	18,523	17,655	224,828

Building Area = 107,219 ft²

Utility Cost Per Area = 2.10 $/ft²

MONTHLY UTILITY COSTS

By Honeywell

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
	------- Monthly Utility Costs -------												
Alternative 3													
Electric													
On-Pk Cons. ($)	9,775	8,686	11,874	12,128	13,105	11,475	11,992	12,168	13,653	12,873	11,477	10,968	140,175
Off-Pk Cons. ($)	16	16	16	16	16	16	16	16	16	16	16	16	197
On-Pk Demand ($)	5,327	5,331	6,389	6,640	6,762	5,359	5,427	5,421	7,024	6,689	6,445	6,130	72,945
Total ($):	15,119	14,034	18,279	18,784	19,884	16,850	17,436	17,606	20,693	19,579	17,939	17,115	213,318
Monthly Total ($):	15,119	14,034	18,279	18,784	19,884	16,850	17,436	17,606	20,693	19,579	17,939	17,115	213,318

Building Area = 107,219 ft²

Utility Cost Per Area = 1.99 $/ft²

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative 4													
Electric													
On-Pk Cons. ($)	9,220	8,162	11,386	11,716	12,704	10,987	11,459	11,558	13,307	12,460	11,029	10,490	134,478
Off-Pk Cons. ($)	16	16	16	16	16	16	16	16	16	16	16	16	197
On-Pk Demand ($)	5,222	5,218	6,378	6,639	6,761	5,216	5,294	5,258	7,023	6,688	6,444	6,114	72,255
Total ($):	14,459	13,396	17,780	18,371	19,482	16,219	16,769	16,833	20,347	19,164	17,489	16,620	206,929
Monthly Total ($):	14,459	13,396	17,780	18,371	19,482	16,219	16,769	16,833	20,347	19,164	17,489	16,620	206,929

Building Area = 107,219 ft²

Utility Cost Per Area = 1.93 $/ft²

MONTHLY UTILITY COSTS

By Honeywell

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
					------- Monthly Utility Costs -------								
Alternative 4													
Electric													
On-Pk Cons. ($)	9,220	8,162	11,386	11,716	12,704	10,987	11,459	11,558	13,307	12,460	11,029	10,490	134,478
Off-Pk Cons. ($)	16	16	16	16	16	16	16	16	16	16	16	16	197
On-Pk Demand ($)	5,222	5,218	6,378	6,639	6,761	5,216	5,294	5,258	7,023	6,688	6,444	6,114	72,255
Total ($):	14,459	13,396	17,780	18,371	19,482	16,219	16,769	16,833	20,347	19,164	17,489	16,620	206,929
Monthly Total ($):	14,459	13,396	17,780	18,371	19,482	16,219	16,769	16,833	20,347	19,164	17,489	16,620	206,929

Building Area = 107,219 ft²

Utility Cost Per Area = 1.93 $/ft²

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative 5													
Electric													
On-Pk Cons. ($)	8,134	7,151	10,011	10,209	11,340	9,999	10,385	10,482	12,127	10,998	9,632	9,066	119,534
Off-Pk Cons. ($)	16	16	16	16	16	16	16	16	16	16	16	16	197
On-Pk Demand ($)	5,034	5,035	6,084	6,238	6,365	5,410	5,303	5,399	6,604	6,284	6,077	5,585	69,418
Total ($):	13,184	12,203	16,111	16,464	17,722	15,425	15,705	15,898	18,747	17,298	15,725	14,667	189,149
Monthly Total ($):	13,184	12,203	16,111	16,464	17,722	15,425	15,705	15,898	18,747	17,298	15,725	14,667	189,149

Building Area = 107,219 ft²

Utility Cost Per Area = 1.76 $/ft²

MONTHLY UTILITY COSTS

By Honeywell

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
					------- Monthly Utility Costs -------								
Alternative 6													
Electric													
On-Pk Cons. ($)	8,041	7,075	9,914	10,118	11,249	9,876	10,246	10,350	12,039	10,908	9,541	8,972	118,330
Off-Pk Cons. ($)	16	16	16	16	16	16	16	16	16	16	16	16	197
On-Pk Demand ($)	5,015	5,016	6,084	6,238	6,365	5,382	5,266	5,365	6,604	6,284	6,077	5,576	69,273
Total ($):	13,073	12,107	16,014	16,373	17,631	15,275	15,529	15,731	18,660	17,208	15,634	14,565	187,800
Monthly Total ($):	13,073	12,107	16,014	16,373	17,631	15,275	15,529	15,731	18,660	17,208	15,634	14,565	187,800

Building Area = 107,219 ft²

Utility Cost Per Area = 1.75 $/ft²

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative 7													
Electric													
On-Pk Cons. ($)	8,030	7,074	9,739	9,911	10,878	9,654	10,133	10,224	11,701	10,613	9,334	8,871	116,160
Off-Pk Cons. ($)	16	16	16	16	16	16	16	16	16	16	16	16	197
On-Pk Demand ($)	4,964	4,975	5,894	6,237	6,364	5,265	5,232	5,329	6,603	6,239	5,788	5,344	68,234
Total ($):	13,010	12,066	15,649	16,164	17,258	14,935	15,381	15,569	18,321	16,867	15,139	14,231	184,591
Monthly Total ($):	13,010	12,066	15,649	16,164	17,258	14,935	15,381	15,569	18,321	16,867	15,139	14,231	184,591

Building Area = 107,219 ft²

Utility Cost Per Area = 1.72 $/ft²

Economic Summary

Project Information

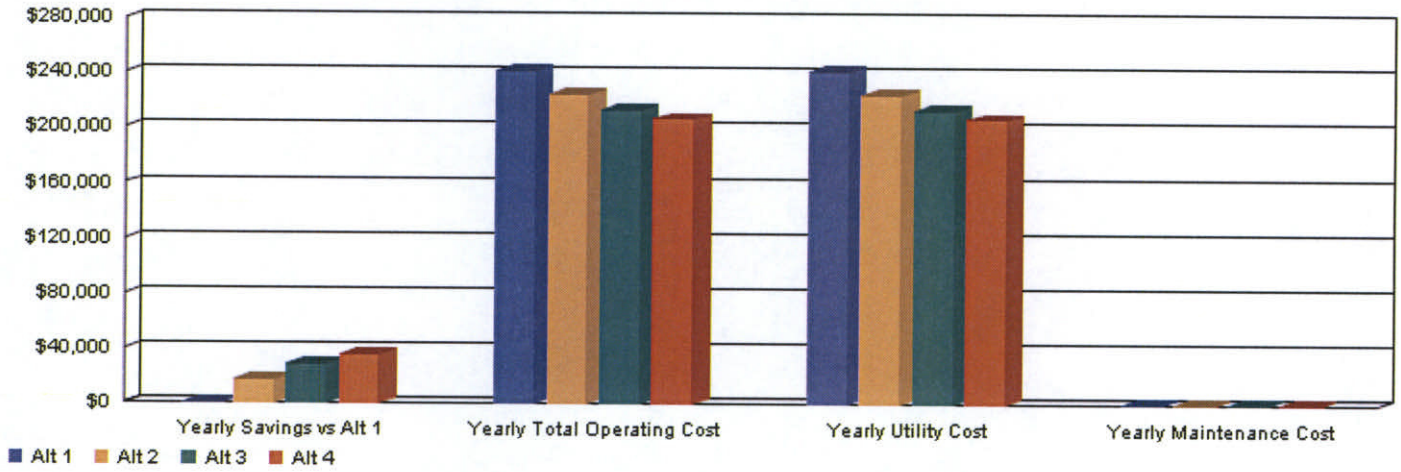
Location	City of Port St Lucie
Project Name	City of PSL_Civic Center
User	
Company	City of Port St Lucie
Comments	

Study Life:	20 years
Cost of Capital:	10 %
Alternative 1:	City of PSL_Civic Center_Baseline
Alternative 2:	City of PSL_Civic_ECM_Lighting
Alternative 3:	City of PSL_Civic_ECM_Infiltration
Alternative 4:	City of PSL_Civic_ECM_Mech_Pumping Upgrade

Economic Comparison of Alternatives

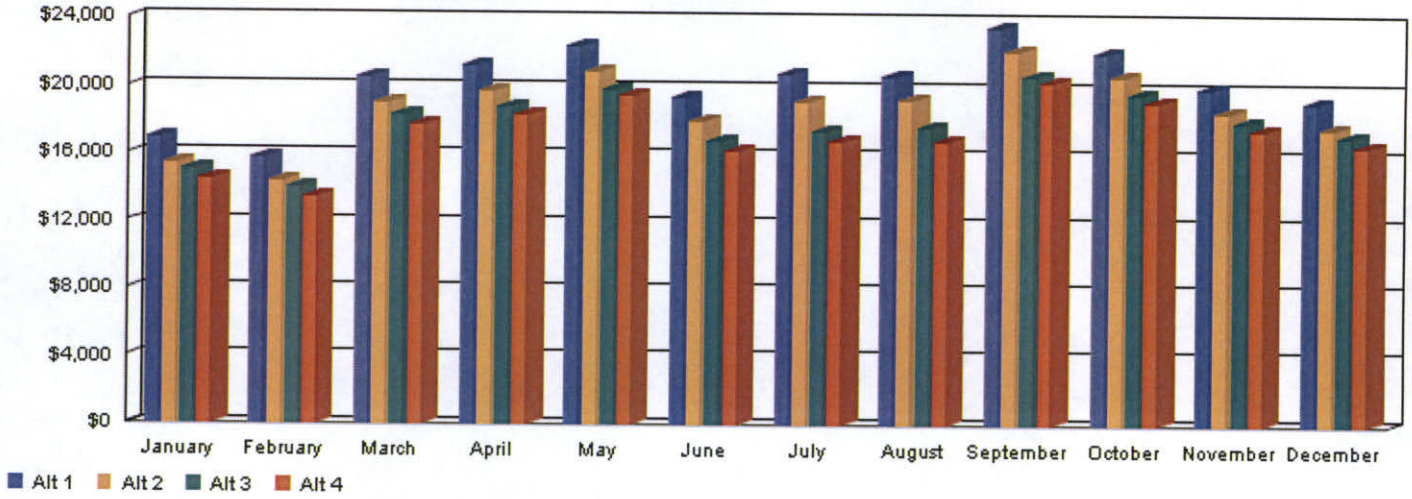
	Yearly Savings ($)	First Cost Difference ($)	Cumulative Cash Flow Difference ($)	Simple Payback (yrs.)	Net Present Value ($)	Life Cycle Payback (yrs.)	Internal Rate of Return (%)	Life Cycle Cost
Alt 1 vs Alt 2	-17,464	0	-349,283	No Payback	-148,682	No Payback	Does Not Payback	-148,682.10
Alt 1 vs Alt 3	-28,974	0	-579,483	No Payback	-246,673	No Payback	Does Not Payback	-246,673.00
Alt 1 vs Alt 4	-35,362	0	-707,244	No Payback	-301,058	No Payback	Does Not Payback	-301,058.40
Alt 2 vs Alt 3	-11,510	0	-230,200	No Payback	-97,991	No Payback	Does Not Payback	-97,990.90
Alt 2 vs Alt 4	-17,898	0	-357,961	No Payback	-152,376	No Payback	Does Not Payback	-152,376.30
Alt 3 vs Alt 4	-6,388	0	-127,762	No Payback	-54,385	No Payback	Does Not Payback	-54,385.43

Annual Operating Costs



	Yearly Savings vs Alt 1	Yearly Total Operating Cost ($)	Yearly Utility Cost ($)	Yearly Maintenance Cost ($)	Plant kWh/ton-hr
Alt 1	0	242,292	242,292	0	0.000
Alt 2	17,464	224,828	224,828	0	0.000
Alt 3	28,974	213,318	213,318	0	0.000
Alt 4	35,362	206,930	206,930	0	0.000

Monthly Utility Costs



Economic Summary

Project Information

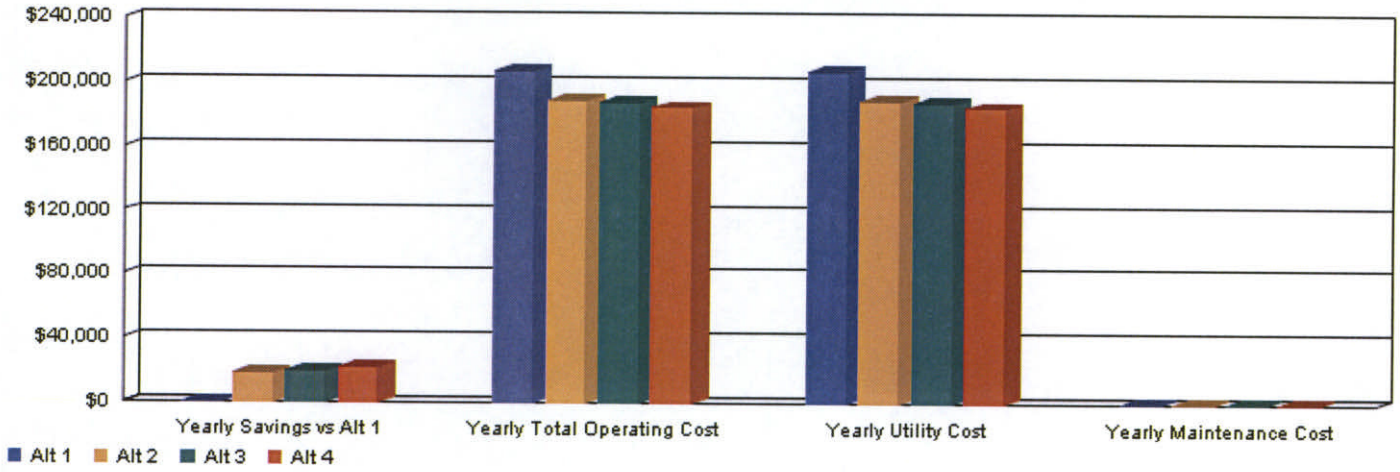
Location
Project Name
User
Company
Comments

Study Life: 20 years
Cost of Capital: 10 %
Alternative 4: City of PSL_Civic_ECM_Mech_Pumping Upgr
Alternative 5: PSL_Civic_ECM_Contr_Night Temp Setback
Alternative 6: PSL_Civic_ECM_Contr_Chilled Water Reset
Alternative 7: PSL_Civic_ECM_Contr_DCV

Economic Comparison of Alternatives

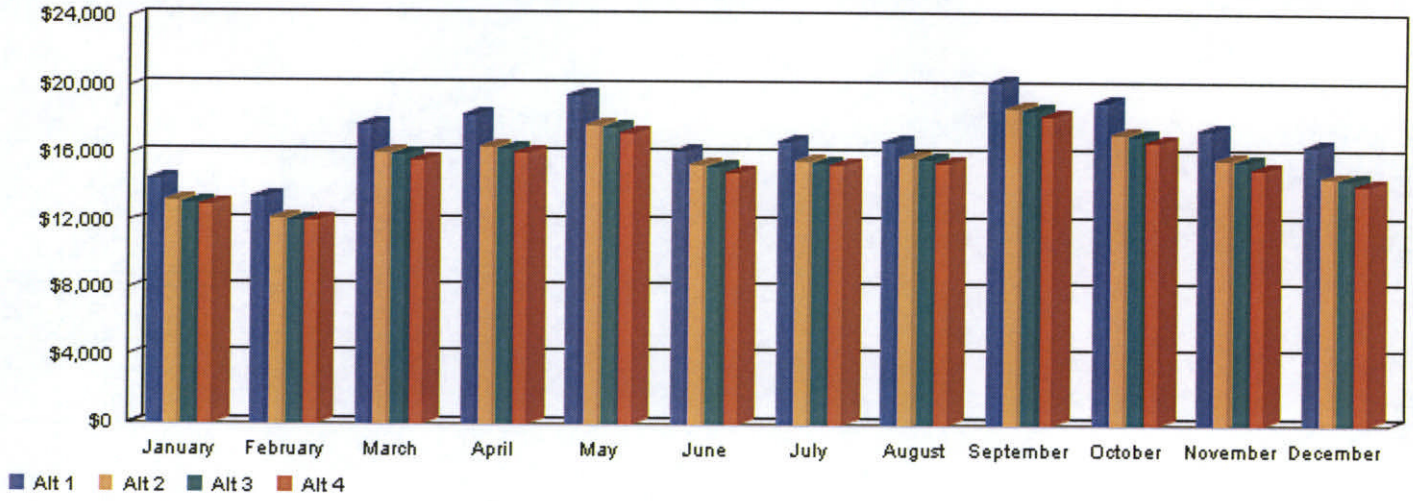
	Yearly Savings ($)	First Cost Difference ($)	Cumulative Cash Flow Difference ($)	Simple Payback (yrs.)	Net Present Value ($)	Life Cycle Payback (yrs.)	Internal Rate of Return (%)	Life Cycle Cost
Alt 4 vs Alt 5	-17,780	0	-355,609	No Payback	-151,375	No Payback	Does Not Payback	-151,375.00
Alt 4 vs Alt 6	-19,129	0	-382,585	No Payback	-162,858	No Payback	Does Not Payback	-162,858.10
Alt 4 vs Alt 7	-22,338	0	-446,764	No Payback	-190,178	No Payback	Does Not Payback	-190,177.60
Alt 5 vs Alt 6	-1,349	0	-26,976	No Payback	-11,483	No Payback	Does Not Payback	-11,483.13
Alt 5 vs Alt 7	-4,558	0	-91,155	No Payback	-38,803	No Payback	Does Not Payback	-38,802.62
Alt 6 vs Alt 7	-3,209	0	-64,179	No Payback	-27,319	No Payback	Does Not Payback	-27,319.49

Annual Operating Costs



	Yearly Savings vs Alt 1	Yearly Total Operating Cost ($)	Yearly Utility Cost ($)	Yearly Maintenance Cost ($)	Plant kWh/ton-hr
Alt 4	0	206,930	206,930	0	0.000
Alt 5	17,780	189,149	189,149	0	0.000
Alt 6	19,129	187,800	187,800	0	0.000
Alt 7	22,338	184,591	184,591	0	0.000

Monthly Utility Costs



Economic Summary

Project Information

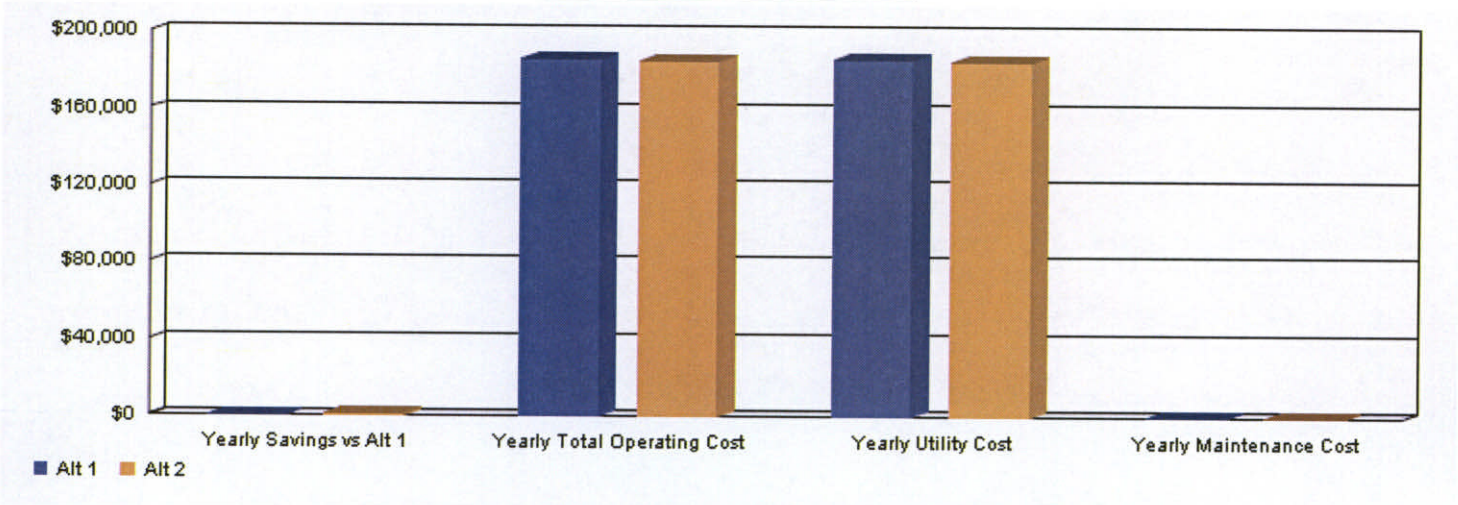
Location
Project Name
User
Company
Comments

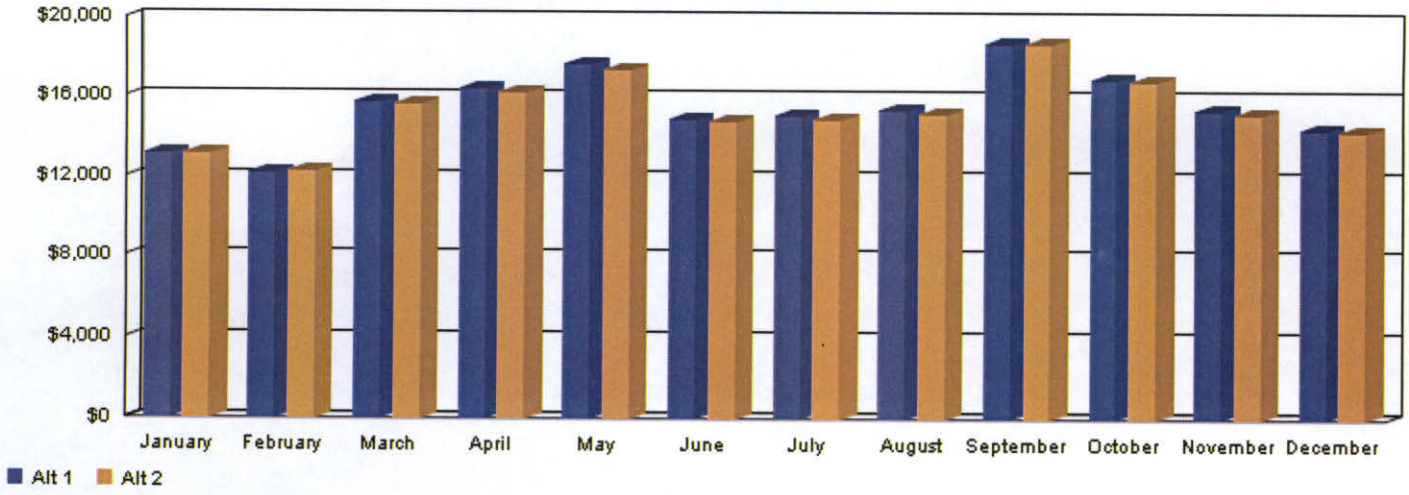
Study Life: 20 years
Cost of Capital: 10 %
Alternative 7: PSL_Civic_ECM_Contr_DCV
Alternative 8: Increase indoor temp 2 degrees

Economic Comparison of Alternatives

	Yearly Savings ($)	First Cost Difference ($)	Cumulative Cash Flow Difference ($)	Simple Payback (yrs.)	Net Present Value ($)	Life Cycle Payback (yrs.)	Internal Rate of Return (%)	Life Cycle Cost
Alt 7 vs Alt 8	-1,240	0	-24,804	No Payback	-10,558	No Payback	Does Not Payback	-10,558.41

Annual Operating Costs



	Yearly Savings vs Alt 1	Yearly Total Operating Cost ($)	Yearly Utility Cost ($)	Yearly Maintenance Cost ($)
Alt 7	0	185,800	185,800	0
Alt 8	1,240	184,560	184,560	0

Monthly Utility Costs