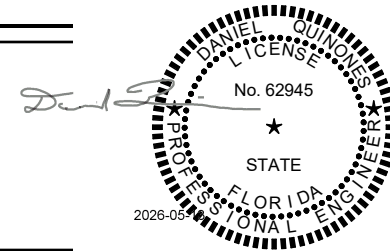


EnergyGaugeSummit® 8.1
INPUT DATA REPORT



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Project Information

Project Name: C09414.003.00 -

Orientation: 0

Project Title: FPL COLUMBIA STORM PROCESSING FACILITY

Building Type: Fire Station

Address: BUILDING E

Building Classification: New Finished building

Enter Address here

State: FLORIDA

No.of Stories: 1

Zip: 0

GrossArea: 1462 SF

Owner: FLORIDA POWER & LIGHT COMPAN

Zones

No	Acronym	Description	Type	Area [sf]	Multiplier	Total Area [sf]	
1	AHU-01	AHU-01	CONDITIONED	610.0	1	610.0	☐
2	AC-01	AC-01	CONDITIONED	49.0	1	49.0	☐
3	AHU-02	AHU-02	CONDITIONED	803.0	1	803.0	☐

Spaces										
No	Acronym	Description	Type	Depth [ft]	Width [ft]	Height [ft]	Multi plier	Total Area [sf]	Total Volume [cf]	
In Zone: AHU-01										
1	102 OFFICE	102 OFFICE	Office - Enclosed	1.00	123.00	9.00	1	123.0	1107.0	☐
2	103 WORKSPACE	103 WORKSPACE	Workshop	1.00	262.00	9.00	1	262.0	2358.0	☐
3	1064 BREAKROOM	104 BREAKROOM	Food Service - Bar/Lounge	1.00	225.00	9.00	1	225.0	2025.0	☐
In Zone: AC-01										
1	104 COMM	104 COMM	Electrical Mechanical Equipment Room - General	1.00	49.00	9.00	1	49.0	441.0	☐
In Zone: AHU-02										
1	108 UNISEX	108 UNISEX	Toilet and Washroom	1.00	49.00	9.00	1	49.0	441.0	☐
2	107 UNISEX	107 UNISEX	Toilet and Washroom	1.00	48.00	9.00	1	48.0	432.0	☐
3	115 ELEC	115 ELEC	Electrical Mechanical Equipment Room - General	1.00	85.00	9.00	1	85.0	765.0	☐
4	109 CREW ROOM	109 CREW ROOM	Conference/meeting (Multiple Functions)	1.00	517.00	9.00	1	517.0	4653.0	☐
5	104 HUDDLE	104 HUDDLE	Conference/meeting (Multiple Functions)	1.00	104.00	9.00	1	104.0	936.0	☐

Lighting									
No	Type	Category	No. of Luminaires	Watts per Luminaire	Power [W]	Control Type	No. of Ctrl pts		
In Zone: AHU-01									
In Space: 102 OFFICE									
1	LED	General Lighting	2	32	64	Occupancy Sensor with Timer without Daylighting	2	☐	
In Space: 103 WORKSPACE									
1	LED	General Lighting	3	32	96	Occupancy Sensor with Timer without Daylighting	2	☐	
In Space: 1064 BREAKROOM									

	1	LED	General Lighting	2	32	64	Occupancy Sensor with Timer without Daylighting	2	☐
In Zone: AC-01									
	In Space: 104 COMM								
	1	LED	General Lighting	2	34	68	Manual On/Off	1	☐
In Zone: AHU-02									
	In Space: 108 UNISEX								
	1	LED	General Lighting	1	45	45	Occupancy sensor without Daylighting	2	☐
	In Space: 107 UNISEX								
	1	LED	General Lighting	1	45	45	Occupancy sensor without Daylighting	1	☐
	In Space: 115 ELEC								
	1	LED	General Lighting	1	34	34	Manual On/Off	1	☐
	In Space: 109 CREW ROOM								
	1	LED	General Lighting	4	32	128	Occupancy sensor without Daylighting	2	☐
	In Space: 104 HUDDLE								
	1	LED	General Lighting	1	32	32	Occupancy sensor without Daylighting	2	☐

Walls (Walls will be rotated clockwise by building rotation value)

No	Description	Type	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Orientation	Conductance [Btu/hr. sf. F]	Heat Capacity [Btu/sf.F]	Dens. [lb/cf]	R-Value [h.sf.F/Btu]	☐
In Zone: AHU-01												
1	AHU-01 E WALL	OSCEOLA FIRE STAT WALLS	13.00	9.00	1	117.0	East	0.1670	2.890	24.90	6.0	☐
In Zone: AHU-02												
1	AHU-02 E WALL	OSCEOLA FIRE STAT WALLS	10.00	9.00	1	90.0	East	0.1670	2.890	24.90	6.0	☐
2	AHU-02 W WALL	OSCEOLA FIRE STAT WALLS	19.50	9.00	1	175.5	West	0.1670	2.890	24.90	6.0	☐

Windows (Windows will be rotated clockwise by building rotation value)

No	Description	Orientation	Shaded	U [Btu/hr sf F]	SHGC	Vis.Tra	W [ft]	H (Effec) [ft]	Multi plier	Total Area [sf]	
In Zone: AHU-01											
In Wall: AHU-01 E WALL											
1	AHU-01 E WINDOW	East	No	0.4500	0.25	0.45	3.35	3.10	1	10.4	☐

Doors

No	Description	Type	Shaded?	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Cond. [Btu/hr. sf. F]	Dens. [lb/cf]	Heat Cap. [Btu/sf. F]	R-Value [h.sf.F/Btu]	
In Zone: AHU-02												
In Wall: AHU-02 E WALL												
1	AHU-02 E WALL I	Solid core flush (2.25)	No	3.00	7.00	1	21.0	0.3504	0.00	0.00	2.85	☐
In Wall: AHU-02 W WALL												
1	AHU-02 W WALL	Solid core flush (2.25)	No	3.00	7.00	1	21.0	0.3504	0.00	0.00	2.85	☐

Roofs

No	Description	Type	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Tilt [deg]	Cond. [Btu/hr. Sf. F]	Heat Cap [Btu/sf. F]	Dens. [lb/cf]	R-Value [h.sf.F/Btu]	
In Zone:												☐

Skylights

No	Description	Type	U [Btu/hr sf F]	SHGC	Vis.Trans	W [ft]	H (Effec) [ft]	Multiplier	Area [Sf]	Total Area [Sf]

In Zone:		
In Roof:		☐

Floors											
No	Description	Type	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Cond. [Btu/hr. sf. F]	Heat Cap. [Btu/sf. F]	Dens. [lb/cf]	R-Value [h.sf.F/Btu]	
In Zone:	AHU-01										
1	AHU-01 FLOOR	1 ft. soil, concrete floor, carpet and rubber pad	610.00	1.00	1	610.0	0.2681	34.00	113.33	3.73	☐
In Zone:	AC-01										
1	AC-01 FLOOR	1 ft. soil, concrete floor, carpet and rubber pad	49.00	1.00	1	49.0	0.2681	34.00	113.33	3.73	☐
In Zone:	AHU-02										
1	AHU-02 FLOOR	1 ft. soil, concrete floor, carpet and rubber pad	803.00	1.00	1	803.0	0.2681	34.00	113.33	3.73	☐

Systems					
AC-01	AC-01	Constant Volume Air Cooled Split System < 65000 Btu/hr			No. Of Units 1
Component	Category	Capacity	Efficiency	IPLV	
1	Cooling System	30000.00	14.80	8.00	☐
2	Air Handling System -Supply	700.00	0.80		☐

AHU-01		AHU-01	Constant Volume Air Cooled Split System < 65000 Btu/hr		No. Of Units 1
Component	Category	Capacity	Efficiency	IPLV	
1	Cooling System	22400.00	14.80	8.00	☐
2	Heating System	22400.00	1.00		☐
3	Air Handling System -Supply	750.00	0.80		☐
AHU-02		AHU-02	Constant Volume Air Cooled Split System < 65000 Btu/hr		No. Of Units 1
Component	Category	Capacity	Efficiency	IPLV	
1	Cooling System	22400.00	14.80	8.00	☐
2	Heating System	22400.00	1.00		☐
3	Air Handling System -Supply	750.00	0.80		☐

Plant					
Equipment	Category	Size	Inst.No	Eff.	IPLV
☐					

Water Heaters					
W-Heater Description	Capacity Cap.Unit	I/P Rt.	Efficiency	Loss	
1 Electric Storage water heater (1 units)	120 [Gal]	18 [kW]	[Ef]	[Btu/h]	☐
2 Electric Storage water heater (1 units)	50 [Gal]	9 [kW]	[Ef]	[Btu/h]	☐

Ext-Lighting						
Description	Category	No. of Luminaires	Watts per Luminaire	Area/Len/No. of units [sf/ft/No]	Control Type	Wattage [W]
☐						

Piping						
No	Type	Operating Temperature [F]	Insulation Conductivity [Btu-in/h.sf.F]	Nomonal pipe Diameter [in]	Insulation Thickness [in]	Is Runout?
						☐

Fenestration Used						
Name	Glass Type	No. of Panes	Glass Conductance [Btu/h.sf.F]	SHGC	VLT	
OSCEOLA FIRE STAT WINDOWS	User Defined	1	0.4500	0.2500	0.4500	☐

Materials Used									
Mat No	Acronym	Description	Only R-Value Used	RValue [h.sf.F/Btu]	Thickness [ft]	Conductivity [Btu/h.ft.F]	Density [lb/cf]	SpecificHeat [Btu/lb.F]	
178	Matl178	CARPET W/RUBBER PAD	Yes	1.2300					☐
265	Matl265	Soil, 1 ft	No	2.0000	1.0000	0.5000	100.00	0.2000	☐
48	Matl48	6 in. Heavyweight concrete	No	0.5000	0.5000	1.0000	140.00	0.2000	☐
279	Matl279	Solid core flush (2.25")	Yes	2.8537					☐

Constructs Used								
No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1057	1 ft. soil, concrete floor, carpet and rubber pad	No	No	0.27	34.00	113.33	3.7	☐

Layer	Material No.	Material	Thickness [ft]	Framing Factor	
1	265	Soil, 1 ft	1.0000	0.000	☐
2	48	6 in. Heavyweight concrete	0.5000	0.000	☐
3	178	CARPET W/RUBBER PAD		0.000	☐

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1058	Solid core flush (2.25)	No	Yes	0.35			2.9	☐

Layer	Material No.	Material	Thickness [ft]	Framing Factor	
1	279	Solid core flush (2.25")		0.000	☐

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1061	OSCEOLA FIRE STAT WALLS	Yes	No	0.17	2.89	24.90	6.0	☐
								☐