

EnergyGaugeSummit® 8.1
INPUT DATA REPORT

Project Information

Project Name: Ft White WT Ofc

Orientation: 0

Project Title: Ft White Wastewater Treatment

Building Type: Office

Address: Ft White Wastewater Treatment

Building Classification: New Finished building

Enter Address here

State: Florida

No.of Stories: 1

Zip: 32038

GrossArea: 264 SF

Owner: City of Ft White

Zones

No	Acronym	Description	Type	Area [sf]	Multiplier	Total Area [sf]	
1	1 Ton Mini Split	1 Ton Mini Spli	CONDITIONED	264.0	1	264.0	☐

Spaces

No	Acronym	Description	Type	Depth [ft]	Width [ft]	Height [ft]	Multi plier	Total Area [sf]	Total Volume [cf]	
In Zone: 1 Ton Mini Split										
1	Ofc/Lab	Ofc/Lab	Office - Open Plan	19.00	12.00	10.00	1	228.0	2280.0	☐
2	Bathrm	Bathrm	Toilet and Washroom	6.00	6.00	10.00	1	36.0	360.0	☐

Lighting

No	Type	Category	No. of Luminaires	Watts per Luminaire	Power [W]	Control Type	No.of Ctrl pts	
In Zone: 1 Ton Mini Split								
In Space: Ofc/Lab								
1	LED	General Lighting	1	150	150	Manual On/Off	1	☐
In Space: Bathrm								
1	LED	General Lighting	1	15	15	Manual On/Off	1	☐

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

No	Description	Type	Width 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: 1 Ton Mini Split												
1	North	8"CMU/3/4"ISO BTWN24"oc/5/8 Gyp	20.00	10.00	1	200.0	North	0.1510	9.696	62.72	6.6	☐
2	South	8"CMU/3/4"ISO BTWN24"oc/5/8 Gyp	20.00	10.00	1	200.0	South	0.1510	9.696	62.72	6.6	☐
3	East	8"CMU/3/4"ISO BTWN24"oc/5/8 Gyp	12.00	10.00	1	120.0	East	0.1510	9.696	62.72	6.6	☐

4	West	8"CMU/3/4"ISO BTWN24"oc/5/8 Gyp	12.00	10.00	1	120.0	West	0.1510	9.696	62.72	6.6	☐
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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: 1 Ton Mini Split											
In Wall: West											
1	West	West	Yes	0.6000	0.23	0.40	2.67	3.33	1	8.9	☐

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: 1 Ton Mini Split												
In Wall: North												
1	North	Polystyrene core (18 ga steel) 1	No	3.00	6.67	1	20.0	0.4982	0.00	0.00	2.01	☐

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: 1 Ton Mini Split												
1	Ofc/Lab	Metal/1/2"WD Deck/WD Truss/R38 Batt/Gyp Brd	12.00	19.00	1	228.0	0.00	0.0270	1.50	8.22	37.0	☐
2	Bathrm	Metal/1/2"WD Deck/WD Truss/R38 Batt/Gyp Brd	6.00	6.00	1	36.0	0.00	0.0270	1.50	8.22	37.0	☐

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:											
1	1 Ton Mini Split Ofc/Lab	Concrete floor, carpet and rubber pad	12.00	19.00	1	228.0	0.5987	9.33	140.00	1.67	☐
2	Bathrm	Concrete floor, carpet and rubber pad	6.00	6.00	1	36.0	0.5987	9.33	140.00	1.67	☐

Systems

1 Ton Mini Split		1 Ton Mini Split		Constant Volume Air Cooled Split System < 65000 Btu/hr				No. Of Units 1	
Component	Category	Capacity		Efficiency		IPLV			
1	Cooling System	12000.00		20.00		8.00		☐	
2	Heating System	12200.00		10.00				☐	
3	Air Handling System -Supply	400.00		0.32				☐	
4	Air Handling System - Return	400.00		0.32				☐	
5	Air Distribution System (Sup)			6.00				☐	
6	Air Distribution System (Ret)			6.00				☐	

Plant					
Equipment	Category	Size	Inst.No	Eff.	IPLV
☐					

Water Heaters					
W-Heater Description	CapacityCap.Unit	I/P Rt.	Efficiency	Loss	
1 Electric Storage water heater (1 units)	3 [Gal]	13 [kW]	[Ef]	0.9450 %	☐

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 Panels	Glass Conductance [Btu/h.sf.F]	SHGC	VLT
Window	User Defined	1	0.6000	0.2300	0.4000
☐					

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	
151	Mat151	CONC HW, DRD, 140LB, 4IN	No	0.4403	0.3333	0.7570	140.00	0.2000	☐
178	Mat178	CARPET W/RUBBER PAD	Yes	1.2300					☐
284	Mat1284	Polystyrene core (18 ga steel) 1	Yes	2.0071					☐

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]	
1004	Concrete floor, carpet and rubber pad			No	No	0.60	9.33	140.00	1.7	☐
	Layer	Material No.	Material			Thickness [ft]	Framing Factor			
	1	151	CONC HW, DRD, 140LB, 4IN			0.3333	0.000			☐
	2	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]	
1014	8"CMU/3/4"ISO BTWN24"oc/5/8 Gyp			Yes	No	0.15	9.70	62.72	6.6	☐
										☐

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1033	Polystyrene core (18 ga steel) 1	No	Yes	0.50			2.0	☐
	Layer Material No. Material Thickness [ft] Framing Factor							☐
	1 284 Polystyrene core (18 ga steel) 1				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]	
1038	Metal/1/2"WD Deck/WD Truss/R38 Batt/Gyp Brd	Yes	No	0.03	1.50	8.22	37.0	☐
								☐