

EnergyGaugeSummit® 8.0
INPUT DATA REPORT

Project Information

Project Name: Trinity Faith

Project Title: Trinity Faith Outreach Ministries

Address: Trinity Faith Outreach Ministries
304 S.W. Kicklighter Terrace

State: Florida

Zip: 32024

Owner: Trinity Faith Outreach Ministries

Orientation: 0 Deg Clockwise. Walls &

Windows will be rotated
accordingly

Building Type: Religious Building

Building Classification: New Finished building

No.of Stories: 1

GrossArea: 2400 SF

Zones

No	Acronym	Description	Type	Area [sf]	Multiplier	Total Area [sf]	
1	3.5 Ton Split HP	3.5 Ton Split HP	CONDITIONED	2399.8	1	2399.8	☐

Spaces										
No	Acronym	Description	Type	Depth [ft]	Width [ft]	Height [ft]	Multi plier	Total Area [sf]	Total Volume [cf]	
In Zone: 3.5 Ton Split HP										
1	Multipurpose	Multipurpose	Fellowship Hall	13.55	20.00	10.00	1	271.0	2710.0	☐
2	Corridor	Corridor	Corridor	5.55	40.00	10.00	1	222.0	2220.0	☐
3	Sanctuary	Sanctuary	Fellowship Hall	32.50	40.00	10.00	1	1300.0	13000.0	☐
4	Vestibule	Vestibule	Corridor	17.00	10.00	10.00	1	170.0	1700.0	☐
5	Womens RR	Womens RR	Toilet and Washroom	8.50	10.00	10.00	1	85.0	850.0	☐
6	Clerk Ofc	Clerk Ofc	Office - Enclosed	9.00	7.50	10.00	1	67.5	675.0	☐
7	Pastors Ofc	Pastors Ofc	Office - Enclosed	11.90	10.00	10.00	1	119.0	1190.0	☐
8	RR #2	RR #2	Toilet and Washroom	6.00	6.50	10.00	1	39.0	390.0	☐
9	RR #1	RR #1	Toilet and Washroom	5.50	7.50	10.00	1	41.3	412.5	☐
10	Mens RR	Mens RR	Toilet and Washroom	8.50	10.00	10.00	1	85.0	850.0	☐

Lighting								
No	Type	Category	No. of Luminaires	Watts per Luminaire	Power [W]	Control Type	No.of Ctrl pts	
In Zone: 3.5 Ton Split HP								
In Space: Multipurpose								
1	LED	General Lighting	1	125	125	Manual On/Off	1	☐
In Space: Corridor								
1	LED	General Lighting	1	125	125	Manual On/Off	1	☐
In Space: Sanctuary								
1	LED	General Lighting	1	700	700	Manual On/Off	1	☐
In Space: Vestibule								
1	LED	General Lighting	1	100	100	Manual On/Off	1	☐

In Space:	Womens RR										
	1	LED	General Lighting	1	70	70	Manual On/Off	1	☐		
In Space:	Clerk Ofc										
	1	LED	General Lighting	1	60	60	Manual On/Off	1	☐		
In Space:	Pastors Ofc										
	1	LED	General Lighting	1	105	105	Manual On/Off	1	☐		
In Space:	RR #2										
	1	LED	General Lighting	1	30	30	Manual On/Off	1	☐		
In Space:	RR #1										
	1	LED	General Lighting	1	30	30	Manual On/Off	1	☐		
In Space:	Mens RR										
	1	LED	General Lighting	1	70	70	Manual On/Off	1	☐		

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:		3.5 Ton Split HP										
1	West	Metal/Mtl std/R13/1/2"Gyp	40.00	10.00	1	400.0	West	0.0732	0.541	7.94	13.7	☐
2	East	Metal/Mtl std/R13/1/2"Gyp	40.00	10.00	1	400.0	East	0.0732	0.541	7.94	13.7	☐
3	South	Metal/Mtl std/R13/1/2"Gyp	60.00	10.00	1	600.0	South	0.0732	0.541	7.94	13.7	☐
4	North	Metal/Mtl std/R13/1/2"Gyp	60.00	10.00	1	600.0	South	0.0732	0.541	7.94	13.7	☐

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]
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In Zone: 3.5 Ton Split HP												
In Wall: North												
	1	North	South	Yes	0.9000	0.50	0.40	3.00	6.00	2	36.0	☐
In Wall: South												
	2	South	South	Yes	0.9000	0.50	0.40	3.00	6.00	2	36.0	☐
In Wall: West												
	1	West	West	Yes	0.9000	0.50	0.40	3.00	6.00	3	54.0	☐

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.s.f.F/Btu]	
In Zone: 3.5 Ton Split HP												
In Wall:	East											
1	East	Polyurethane core (24 ga steel) 2	No	8.00	6.67	1	53.4	0.2410	0.00	0.00	4.15	☐
In Wall:	South											
1	South	Polyurethane core (24 ga steel) 2	No	3.00	6.67	1	20.0	0.2410	0.00	0.00	4.15	☐
In Wall:	North											
1	North	Polyurethane core (24 ga steel) 2	No	3.00	6.67	1	20.0	0.2410	0.00	0.00	4.15	☐

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: 3.5 Ton Split HP												
1	Multipurpose	Metal/Steel Girder/9" Batt/Acous. Tile	20.00	13.55	1	271.0	0.00	0.0320	1.50	8.22	31.2	☐
2	Corridor	Metal/Steel Girder/9" Batt/Acous. Tile	40.00	5.58	1	223.0	0.00	0.0320	1.50	8.22	31.2	☐
3	Sanctuary	Metal/Steel Girder/9" Batt/Acous. Tile	40.00	32.50	1	1300.0	0.00	0.0320	1.50	8.22	31.2	☐
4	Vestibule	Metal/Steel Girder/9" Batt/Acous. Tile	10.00	17.00	1	170.0	0.00	0.0320	1.50	8.22	31.2	☐

5	Womens RR	Metal/Steel Girder/9" Batt/Acous. Tile	10.00	8.50	1	85.0	0.00	0.0320	1.50	8.22	31.2	☐
6	Clerk Ofc	Metal/Steel Girder/9" Batt/Acous. Tile	7.50	9.00	1	67.5	0.00	0.0320	1.50	8.22	31.2	☐
7	Pastors Ofc	Metal/Steel Girder/9" Batt/Acous. Tile	10.00	11.90	1	119.0	0.00	0.0320	1.50	8.22	31.2	☐
8	RR #2	Metal/Steel Girder/9" Batt/Acous. Tile	6.50	6.00	1	39.0	0.00	0.0320	1.50	8.22	31.2	☐
9	RR #1	Metal/Steel Girder/9" Batt/Acous. Tile	7.50	5.50	1	41.3	0.00	0.0320	1.50	8.22	31.2	☐
10	Mens RR	Metal/Steel Girder/9" Batt/Acous. Tile	10.00	8.50	1	85.0	0.00	0.0320	1.50	8.22	31.2	☐

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: 3.5 Ton Split HP											☐
1	Multipurpose	Concrete floor, carpet and rubber pad	20.00	13.55	1	271.0	0.5987	9.33	140.00	1.67	☐
2	Corridor	Concrete floor, carpet and rubber pad	40.00	5.75	1	230.0	0.5987	9.33	140.00	1.67	☐
3	Sanctuary	Concrete floor, carpet and rubber pad	40.00	32.50	1	1300.0	0.5987	9.33	140.00	1.67	☐

4	Vestibule	Concrete floor, carpet and rubber pad	10.00	17.00	1	170.0	0.5987	9.33	140.00	1.67	☐
5	Womens RR	Concrete floor, carpet and rubber pad	10.00	8.50	1	85.0	0.5987	9.33	140.00	1.67	☐
6	Clerk Ofc	Concrete floor, carpet and rubber pad	7.50	9.00	1	67.5	0.5987	9.33	140.00	1.67	☐
7	Pastors Ofc	Concrete floor, carpet and rubber pad	10.00	11.90	1	119.0	0.5987	9.33	140.00	1.67	☐
8	RR #2	Concrete floor, carpet and rubber pad	6.50	6.00	1	39.0	0.5987	9.33	140.00	1.67	☐
9	RR #1	Concrete floor, carpet and rubber pad	7.50	5.50	1	41.3	0.5987	9.33	140.00	1.67	☐
10	Mens RR	Concrete floor, carpet and rubber pad	10.00	8.50	1	85.0	0.5987	9.33	140.00	1.67	☐

Systems					
3.5 Ton Split HP	3.5 Ton Split HP	Constant Volume Air Cooled Split System < 65000 Btu/hr			No. Of Units 2
Component	Category	Capacity	Efficiency	IPLV	
1	Cooling System	40000.00	14.50	8.00	☐
2	Heating System	39500.00	7.50		☐
3	Air Handling System -Supply	1500.00	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)	50 [Gal]	13 [kW]	0.9450 [Ef]	%	☐

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
ASHULDbITntMtl-Oth frm	User Defined	2	0.9000	0.5000	0.4000
					☐

Materials Used	
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Mat No	Acronym	Description	Only R-Value Used	RValue [h.s.f.F/Btu]	Thickness [ft]	Conductivity [Btu/h.ft.F]	Density [lb/cf]	SpecificHeat [Btu/lb.F]	
187	Matl187	GYP OR PLAS BOARD,1/2IN	No	0.4533	0.0417	0.0920	50.00	0.2000	☐
151	Matl151	CONC HW, DRD, 140LB, 4IN	No	0.4403	0.3333	0.7570	140.00	0.2000	☐
178	Matl178	CARPET W/RUBBER PAD	Yes	1.2300					☐
12	Matl12	3 in. Insulation	No	10.0000	0.2500	0.0250	2.00	0.2000	☐
218	Matl218	POLYURETHANE,EXP.,1/2 IN,	No	3.2077	0.0417	0.0130	1.50	0.3800	☐
23	Matl23	6 in. Insulation	No	20.0000	0.5000	0.0250	5.70	0.2000	☐
287	Matl287	Polyurethane core (24 ga steel) 2	Yes	4.1500					☐
81	Matl81	ASPHALT-ROOFING, ROLL	Yes	0.1500					☐
244	Matl244	PLYWOOD, 1/2IN	No	0.6318	0.0417	0.0660	34.00	0.2900	☐

Constructs Used	
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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]	
1016	Metal/Mtl std/R13/1/2"Gyp	No	No	0.07	0.54	7.94	13.7	☐
	Layer	Material No.	Material	Thickness [ft]	Framing Factor			
	1	218	POLYURETHANE,EXP.,1/2IN,	0.0417	0.000			☐
	2	12	3 in. Insulation	0.2500	0.000			☐
	3	187	GYP OR PLAS BOARD,1/2IN	0.0417	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]	
1036	Polyurethane core (24 ga steel) 2	No	Yes	0.24			4.2	☐
	Layer	Material No.	Material	Thickness [ft]	Framing Factor			
	1	287	Polyurethane core (24 ga steel) 2		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/Steel Girder/9" Batt/Acous. Tile	No	No	0.03	1.50	8.22	31.2	☐
	Layer	Material No.	Material	Thickness [ft]	Framing Factor			
	1	81	ASPHALT-ROOFING, ROLL		0.000			☐
	2	244	PLYWOOD, 1/2IN	0.0417	0.000			☐
	3	12	3 in. Insulation	0.2500	0.000			☐
	4	23	6 in. Insulation	0.5000	0.000			☐
	5	187	GYP OR PLAS BOARD,1/2IN	0.0417	0.000			☐