EnergyGauge Summit® v5.00

INPUT DATA REPORT

Project Information

Project Name: New Prj
Project Title: LULU BAPTIST CHURCH
Address: 118 SE GILLIEN TERRACE

State: FL
Zip: 32061

Owner: HUGH DAMPIER

Orientation: West
Building Type: Religious Building
Building Classification: New Finished building

No.of Stories: 1
GrossArea: 6263 SF

Zones

No	Acronym	Description	Type	Area [sf]	Multiplier	Total Area [sf]	
1	Pr0Zo1	Zone 1	CONDITIONED	4530 4	1	4530 4	☐
2	Pr0Zo2	Zone 2	CONDITIONED	1732.7	1	1732.7	☐

Spaces

No	Acronym	Description	Type	Depth [ft]	Width [ft]	Height [ft]	Multiplier	Total Area [sf]	Total Volume [cf]	
In Zone:	**Pr0Zo1**									
1	Pr0Zo1Sp1	Zo0Sp1	Classroom/Lecture Hall	25 50	47 90	10 00	1	1221.5	12214 5	☐
2	Pr0Zo1Sp2	Zo0Sp2	Worship-Pulpit, Choir	69 08	47 90	18 17	1	3308 9	60123 3	☐
In Zone:	**Pr0Zo2**									
1	Pr0Zo2Sp1	Zo0Sp1	Fellowship Hall	17 16	47 90	18 17	1	822 0	14935 1	☐
2	Pr0Zo2Sp2	Zo0Sp2	Fellowship Hall	26 67	34 15	18 17	1	910 8	16548 9	☐

Lighting

	No	Type	Category	No. of Luminaires	Watts per Luminaire	Power [W]	Control Type	No.of Ctrl pts	
In Zone:	**Pr0Zo1**								
In Space:	**Pr0Zo1Sp1**								
	1	Recessed Fluorescent - No vent	General Lighting	15	64	960	Manual On/Off	5	☐
	2	Recessed Fluorescent - No vent	General Lighting	1	13	13	Manual On/Off	1	☐
In Space:	**Pr0Zo1Sp2**								
	1	Recessed Fluorescent - No vent	General Lighting	25	128	3200	Manual On/Off	6	☐
	2	Recessed Fluorescent - No vent	General Lighting	4	13	52	Manual On/Off	2	☐
In Zone:	**Pr0Zo2**								
In Space:	**Pr0Zo2Sp1**								
	1	Recessed Fluorescent - No vent	General Lighting	6	64	384	Manual On/Off	3	☐
	2	Recessed Fluorescent - No vent	General Lighting	6	13	78	Manual On/Off	6	☐
In Space:	**Pr0Zo2Sp2**								

	1	Recessed Fluorescent - No vent	General Lighting	12	64	768	Manual On/Off	1	☐	

Walls

No	Description	Type	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Direction	Conductance [Btu/hr. sf. F]	Heat Capacity [Btu/sf.F]	Dens. [lb/cf]	R-Value [h.sf.F/Btu]	
In Zone:	**Pr0Zo1**											
1	Pr0Zo1Wa1	Metal siding/2x4@24"+R11Batt/5/8"Gyp	34 15	18.17	1	620.3	West	0 0920	1 072	19 38	10 9	☐
2	Pr0Zo1Wa2	Metal siding/2x4@24"+R11Batt/5/8"Gyp	94 13	14 00	1	1317 8	North	0 0920	1 072	19.38	10 9	☐
3	Pr0Zo1Wa3	Metal siding/2x4@24"+R11Batt/5/8"Gyp	94.13	14 00	1	1317 8	South	0 0920	1 072	19 38	10 9	☐
In Zone:	**Pr0Zo2**											
1	Pr0Zo2Wa1	Metal siding/2x4@24"+R11Batt/5/8"Gyp	43.83	14 00	1	613 6	North	0 0920	1 072	19.38	10 9	☐
2	Pr0Zo2Wa2	Metal siding/2x4@24"+R11Batt/5/8"Gyp	43 83	14 00	1	613 6	South	0 0920	1 072	19 38	10 9	☐
3	Pr0Zo2Wa3	Metal siding/2x4@24"+R11Batt/5/8"Gyp	47 90	18 17	1	870 1	East	0 0920	1 072	19 38	10.9	☐
4	Pr0Zo2Wa4	Partition wall, 0 75 in. gyp, airspace, 0 75 in. gyp	47 90	18.17	1	870 1	West	0 8350	2.500	100 00	1.2	☐

Windows

No	Description	Type	Shaded	U [Btu/hr sf F]	SHGC	Vis.Tra	W [ft]	H (Effec) [ft]	Multi plier	Total Area [sf]

In Zone: Pr0Zo1											
In Wall: Pr0Zo1Wa1											
	1	Pr0Zo1Wa1Wi1	User Defined	No	0 9000	0 50	0 40	3 00	7 00	1	21 0
In Wall: Pr0Zo1Wa2											
	1	Pr0Zo1Wa2Wi1	User Defined	No	0 9000	0.50	0 40	3 00	7 00	4	84 0
	2	Pr0Zo1Wa2Wi2	User Defined	No	0 9000	0 50	0.40	3 00	6 18	5	92.7
In Wall: Pr0Zo1Wa3											
	1	Pr0Zo1Wa3Wi1	User Defined	No	0 9000	0.50	0 40	3 00	7 00	1	21 0
	2	Pr0Zo1Wa3Wi2	User Defined	No	0 9000	0.50	0 40	3 00	6.18	1	18.5
In Zone: Pr0Zo2											
In Wall: Pr0Zo2Wa1											
	1	Pr0Zo2Wa1Wi1	User Defined	No	0 9000	0 50	0 40	3 00	7.00	2	42.0
	2	Pr0Zo2Wa1Wi2	User Defined	No	0 9000	0.50	0.40	4 00	2.00	1	8 0
In Wall: Pr0Zo2Wa2											
	1	Pr0Zo2Wa2Wi1	User Defined	No	0 9000	0.50	0 40	3 00	7 00	1	21 0
	2	Pr0Zo2Wa2Wi2	User Defined	No	0 9000	0 50	0 40	3 00	6 18	1	18.5
In Wall: Pr0Zo2Wa3											
	1	Pr0Zo2Wa3Wi1	User Defined	No	0 9000	0 50	0 40	3 00	6 18	1	18.5

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:											
In Wall:											

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: Pr0Zo1											
1	Pr0Zo1Rf1	Mtl Bldg Roof/R-19 Batt	25.40	94 13	1	2390 9	19 00	0 0492	1 34	9 49	20.3
2	Pr0Zo1Rf2	Mtl Bldg Roof/R-19 Batt	25.40	94 13	1	2390 9	19 00	0 0492	1.34	9 49	20 3

In Zone:	**Pr0Zo2**										
1	Pr0Zo2Rf1	Mtl Bldg Roof/R-19 Batt	25 40	43 83	1	1113 3	19 00	0 0492	1.34	9 49	20 3
2	Pr0Zo2Rf2	Mtl Bldg Roof/R-19 Batt	25 40	43 83	1	1113 3	19 00	0 0492	1.34	9 49	20 3

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:	**Pr0Zo1**									
1	Pr0Zo1Fl1	1 ft. soil, concrete floor, carpet and rubber pad	47 90	94 13	1	4508.8	0.2681	34 00	113 33	3 73
In Zone:	**Pr0Zo2**									
1	Pr0Zo2Fl1	1 ft. soil, concrete floor, carpet and rubber pad	47 90	43 83	1	2099 5	0 2681	34 00	113 33	3 73

Systems

Pr0Sy1 **System 1** **Constant Volume Air Cooled Split System < 65000 Btu/hr** **No. Of Units 2**

Component	Category	Capacity	Efficiency	IPLV
1	Cooling System	60000 00	14 00	8.00
2	Heating System	60000 00	8.20	

3	Air Handling System -Supply	2000 00	0 80	☐
4	Air Handling System - Return	2000 00	0.80	☐
5	Air Distribution System (Sup)		6 00	☐
6	Air Distribution System (Ret)		6.00	☐

Pr0Sy2 **System 2** **Constant Volume Air Cooled Split System < 65000 Btu/hr** **No. Of Units 1**

Component	Category	Capacity	Efficiency	IPLV	
1	Cooling System	60000.00	14 00	8 00	☐
2	Heating System	60000 00	8.20		☐
3	Air Handling System -Supply	2000 00	0 80		☐
4	Air Handling System - Return	2000 00	0 80		☐
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	Capacity Cap.Unit	I/P Rt.	Efficiency	Loss	
1 Electric water heater	80 [Gal]	5 [kW]	0 9200 [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]	
1	Ext Light 1	Main entries	8	13	24 00	Photo Sensor control	104 00	☐

Piping

No	Type	Operating Temperature [F]	Insulation Conductivity [Btu-in/h.sf.F]	Nomonal pipe Diameter [in]	Insulation Thickness [in]	Is Runout?	
1	Domestic and Service Hot Water Systems	125 00	0.28	0 75	0 62	No	☐

Fenestration Used

Name	Glass Type	No. of Panes	Glass Conductance [Btu/h.sf.F]	SHGC	VLT	
ASHULDblTntMtl-Oth frm	User Defined	2	0 9000	0.5000	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	
187	Matl187	GYP OR PLAS BOARD,1/2IN	No	0 4533	0 0417	0 0920	50 00	0 2000	☐
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	☐
57	Matl57	3/4 in. Plaster or gypsum	No	0 1488	0 0625	0 4200	100 00	0 2000	☐
72	Matl72	AIR LAYER, 3/4IN OR LESS, VERT WALLS	Yes	0.9000					☐
23	Matl23	6 in. Insulation	No	20 0000	0 5000	0 0250	5 70	0.2000	☐
4	Matl4	Steel siding	No	0 0002	0 0050	26.0000	480 00	0 1000	☐
271	Matl271	2x4@24" oc + R11 Batt	No	10 4179	0.2917	0 0280	7 11	0 2000	☐

94	Matl94	BUILT-UP ROOFING, 3/8IN	No	0.3366	0.0313	0 0930	70 00	0 3500	☐

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]	
1008	Partition wall, 0 75 in. gyp, airspace, 0 75 in. gyp	No	No	0 83	2.50	100 00	1.2	☐

Layer	Material No.	Material	Thickness [ft]	Framing Factor	
1	57	3/4 in. Plaster or gypsum	0 0625	0 000	☐
2	72	AIR LAYER, 3/4IN OR LESS, VERT WALLS		0 000	☐
3	57	3/4 in. Plaster or gypsum	0 0625	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]	
1019	Metal siding/2x4@24"+R11Batt/5/8"Gyp	No	No	0 09	1 07	19.38	10 9	☐

Layer	Material No.	Material	Thickness [ft]	Framing Factor	
1	4	Steel siding	0 0050	0 000	☐
2	271	2x4@24" oc + R11 Batt	0.2917	0 000	☐
3	187	GYP OR PLAS BOARD,1/2IN	0 0417	0.000	☐