

EnergyGaugeSummit® 8.0
INPUT DATA REPORT

Project Information

Project Name: Kingdom Culture

Project Title: Kingdom Culture School

Address: Kingdom Culture School
217 S.W. Dyal Avenue

State: Florida

Zip: 32024

Owner: Kingdom Culture School

Orientation: 0 Deg Clockwise. Walls &

Windows will be rotated
accordingly

Building Type: Religious Building

Building Classification: New Finished building

No.of Stories: 1

GrossArea: 900 SF

Zones

No	Acronym	Description	Type	Area [sf]	Multiplier	Total Area [sf]	
1	Bathrooms	Bathrooms	CONDITIONED	900.0	1	900.0	☐

Spaces

No	Acronym	Description	Type	Depth [ft]	Width [ft]	Height [ft]	Multi plier	Total Area [sf]	Total Volume [cf]
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In Zone: Bathrooms										
1	Womens ADA Tl	Womens ADA Tlt	Toilet and Washroom	8.00	8.00	8.00	1	64.0	512.0	☐
2	Womens TLT #2	Womens TLT #2	Toilet and Washroom	4.00	8.00	8.00	1	32.0	256.0	☐
3	Womens TLT #3	Womens TLT #3	Toilet and Washroom	4.00	8.00	8.00	1	32.0	256.0	☐
4	Womens TLT #4	Womens TLT #4	Toilet and Washroom	4.00	8.00	8.00	1	32.0	256.0	☐
5	Womens RR	Womens RR	Toilet and Washroom	20.00	7.50	8.00	1	150.0	1200.0	☐
6	Vestibule	Vestibule	Corridor	8.00	7.00	8.00	1	56.0	448.0	☐
7	Womens Strg	Womens Strg	Storage & Warehouse - Inactive Storage	4.00	3.50	8.00	1	14.0	112.0	☐
8	Mens Strg	Mens Strg	Storage & Warehouse - Inactive Storage	4.00	3.50	8.00	1	14.0	112.0	☐
9	Bathrm #5	Bathrm #5	Toilet and Washroom	8.00	7.00	8.00	1	56.0	448.0	☐
10	Mens RR	Mens RR	Toilet and Washroom	20.00	7.50	8.00	1	150.0	1200.0	☐
11	Mens ADA Tlt	Mens ADA Tlt	Toilet and Washroom	7.50	7.50	8.00	1	56.3	450.0	☐
12	Mens TLT #1	Mens TLT #1	Toilet and Washroom	4.50	7.50	8.00	1	33.8	270.0	☐
13	Bathrm #3	Bathrm #3	Toilet and Washroom	8.00	7.50	8.00	1	60.0	480.0	☐
14	Bathrm #2	Bathrm #2	Toilet and Washroom	7.50	7.50	8.00	1	56.3	450.0	☐
15	Bathrm #1	Bathrm #1	Toilet and Washroom	8.00	7.50	8.00	1	60.0	480.0	☐
16	Mech	Mech	Electrical Mechanical Equipment Room - General	4.50	7.50	8.00	1	33.8	270.0	☐

Lighting									
No	Type	Category	No. of Luminaires	Watts per Luminaire	Power [W]	Control Type	No.of Ctrl pts		
In Zone: Bathrooms									
In Space:	Womens ADA Tlt								
1	LED	General Lighting	1	30	30	Manual On/Off	1	☐	
In Space:	Womens TLT #2								
1	LED	General Lighting	1	10	10	Manual On/Off	1	☐	
In Space:	Womens TLT #3								

	1	LED	General Lighting	1	10	10	Manual On/Off	1	☐
In Space:	Womens TLT #4								
	1	LED	General Lighting	1	10	10	Manual On/Off	1	☐
In Space:	Womens RR								
	1	LED	General Lighting	1	75	75	Manual On/Off	1	☐
In Space:	Vestibule								
	1	LED	General Lighting	1	20	20	Manual On/Off	1	☐
In Space:	Womens Strg								
	1	LED	General Lighting	1	5	5	Manual On/Off	1	☐
In Space:	Mens Strg								
	1	LED	General Lighting	1	5	5	Manual On/Off	1	☐
In Space:	Bathrm #5								
	1	LED	General Lighting	1	20	20	Manual On/Off	1	☐
In Space:	Mens RR								
	1	LED	General Lighting	1	75	75	Manual On/Off	1	☐
In Space:	Mens ADA Tlt								
	1	LED	General Lighting	1	30	30	Manual On/Off	1	☐
In Space:	Mens TLT #1								
	1	LED	General Lighting	1	10	10	Manual On/Off	1	☐
In Space:	Bathrm #3								
	1	LED	General Lighting	1	20	20	Manual On/Off	1	☐
In Space:	Bathrm #2								
	1	LED	General Lighting	1	20	20	Manual On/Off	1	☐
In Space:	Bathrm #1								
	1	LED	General Lighting	1	20	20	Manual On/Off	1	☐
In Space:	Mech								
	1	LED	General Lighting	1	10	10	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]
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In Zone:		Bathrooms										
1	West	Metal/Mtl std/R19/1/2" Gyp	20.00	8.00	1	160.0	West	0.0444	1.009	8.59	22.5	☐
2	East	Metal/Mtl std/R19/1/2" Gyp	20.00	8.00	1	160.0	East	0.0444	1.009	8.59	22.5	☐
3	North	Metal/Mtl std/R19/1/2" Gyp	45.00	8.00	1	360.0	North	0.0444	1.009	8.59	22.5	☐
4	South	Metal/Mtl std/R19/1/2" Gyp	45.00	8.00	1	360.0	South	0.0444	1.009	8.59	22.5	☐

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: Bathrooms										
In Wall: South										
1	South	South	Yes	0.4500	0.25	0.40	4.00	1.33	2	10.6

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:		Bathrooms										
In Wall:		East										
1	East	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	4	20.0	0.2410	0.00	0.00	4.15	☐
In Wall:		South										
1	South	Polyurethane core (24 ga steel) 2	No	3.00	6.67	2	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: Bathrooms												
1	Womens ADA Tlt	Metal/1/2"WD Deck/WD Truss/9" Batt/Gyp Brd	8.00	8.00	1	64.0	0.00	0.0270	1.50	8.22	37.0	☐
2	Womens TLT #2	Metal/1/2"WD Deck/WD Truss/9" Batt/Gyp Brd	8.00	4.00	1	32.0	0.00	0.0270	1.50	8.22	37.0	☐
3	Womens TLT #3	Metal/1/2"WD Deck/WD Truss/9" Batt/Gyp Brd	8.00	4.00	1	32.0	0.00	0.0270	1.50	8.22	37.0	☐
4	Womens TLT #4	Metal/1/2"WD Deck/WD Truss/9" Batt/Gyp Brd	8.00	4.00	1	32.0	0.00	0.0270	1.50	8.22	37.0	☐
5	Womens RR	Metal/1/2"WD Deck/WD Truss/9" Batt/Gyp Brd	7.50	20.00	1	150.0	0.00	0.0270	1.50	8.22	37.0	☐
6	Vestibule	Metal/1/2"WD Deck/WD Truss/9" Batt/Gyp Brd	7.00	8.00	1	56.0	0.00	0.0270	1.50	8.22	37.0	☐
7	Womens Strg	Metal/1/2"WD Deck/WD Truss/9" Batt/Gyp Brd	3.50	4.00	1	14.0	0.00	0.0270	1.50	8.22	37.0	☐
8	Mens Strg	Metal/1/2"WD Deck/WD Truss/9" Batt/Gyp Brd	3.50	4.00	1	14.0	0.00	0.0270	1.50	8.22	37.0	☐
9	Bathrm #5	Metal/1/2"WD Deck/WD Truss/9" Batt/Gyp Brd	7.00	8.00	1	56.0	0.00	0.0270	1.50	8.22	37.0	☐
10	Mens RR	Metal/1/2"WD Deck/WD Truss/9" Batt/Gyp Brd	7.50	20.00	1	150.0	0.00	0.0270	1.50	8.22	37.0	☐
11	Mens ADA Tlt	Metal/1/2"WD Deck/WD Truss/9" Batt/Gyp Brd	7.50	7.50	1	56.3	0.00	0.0270	1.50	8.22	37.0	☐

12	Mens TLT #1	Metal/1/2"WD Deck/WD Truss/9" Batt/Gyp Brd	7.50	4.50	1	33.8	0.00	0.0270	1.50	8.22	37.0	☐
13	Bathrm #3	Metal/1/2"WD Deck/WD Truss/9" Batt/Gyp Brd	7.50	8.00	1	60.0	0.00	0.0270	1.50	8.22	37.0	☐
14	Bathrm #2	Metal/1/2"WD Deck/WD Truss/9" Batt/Gyp Brd	7.50	7.50	1	56.3	0.00	0.0270	1.50	8.22	37.0	☐
15	Bathrm #1	Metal/1/2"WD Deck/WD Truss/9" Batt/Gyp Brd	7.50	8.00	1	60.0	0.00	0.0270	1.50	8.22	37.0	☐
16	Mech	Metal/1/2"WD Deck/WD Truss/9" Batt/Gyp Brd	7.50	4.50	1	33.8	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: Bathrooms											
1	Womens ADA Tlt	Concrete floor, carpet and rubber pad	8.00	8.00	1	64.0	0.5987	9.33	140.00	1.67	☐
2	Womens TLT #2	Concrete floor, carpet and rubber pad	8.00	4.00	1	32.0	0.5987	9.33	140.00	1.67	☐

3	Womens TLT #3	Concrete floor, carpet and rubber pad	8.00	4.00	1	32.0	0.5987	9.33	140.00	1.67	☐
4	Womens TLT #4	Concrete floor, carpet and rubber pad	8.00	4.00	1	32.0	0.5987	9.33	140.00	1.67	☐
5	Womens RR	Concrete floor, carpet and rubber pad	7.50	20.00	1	150.0	0.5987	9.33	140.00	1.67	☐
6	Vestibule	Concrete floor, carpet and rubber pad	7.00	8.00	1	56.0	0.5987	9.33	140.00	1.67	☐
7	Womens Strg	Concrete floor, carpet and rubber pad	3.50	4.00	1	14.0	0.5987	9.33	140.00	1.67	☐
8	Mens Strg	Concrete floor, carpet and rubber pad	3.50	4.00	1	14.0	0.5987	9.33	140.00	1.67	☐
9	Bathrm #5	Concrete floor, carpet and rubber pad	7.00	8.00	1	56.0	0.5987	9.33	140.00	1.67	☐
10	Mens RR	Concrete floor, carpet and rubber pad	7.50	20.00	1	150.0	0.5987	9.33	140.00	1.67	☐
11	Mens ADA Tlt	Concrete floor, carpet and rubber pad	7.50	7.50	1	56.3	0.5987	9.33	140.00	1.67	☐
12	Mens TLT #1	Concrete floor, carpet and rubber pad	7.50	4.50	1	33.8	0.5987	9.33	140.00	1.67	☐
13	Bathrm #3	Concrete floor, carpet and rubber pad	7.50	8.00	1	60.0	0.5987	9.33	140.00	1.67	☐
14	Bathrm #2	Concrete floor, carpet and rubber pad	7.50	7.50	1	56.3	0.5987	9.33	140.00	1.67	☐
15	Bathrm #1	Concrete floor, carpet and rubber pad	7.50	8.00	1	60.0	0.5987	9.33	140.00	1.67	☐

16	Mech	Concrete floor, carpet and rubber pad	7.50	4.50	1	33.8	0.5987	9.33	140.00	1.67	☐
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Systems

3.5 Ton HP Split		3.5 Ton HP Split	Constant Volume Air Cooled Split System < 65000 Btu/hr		No. Of Units 1	
Component	Category	Capacity	Efficiency	IPLV		
1	Cooling System	42000.00	14.30	8.00		☐
2	Heating System	42000.00	7.50			☐
3	Air Handling System -Supply	1400.00	0.32			☐
4	Air Handling System - Return	1400.00	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	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
Double Pane	User Defined	2	0.4500	0.2500	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 [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				
211	Matl211	POLYSTYRENE,EXP.,1/2IN	No	2.0850	0.0417	0.0200	1.80	0.2900
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				

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]	
1017	Metal/Mtl std/R19/1/2" Gyp	No	No	0.04	1.01	8.59	22.5	☐
	Layer	Material No.	Material	Thickness [ft]	Framing Factor			
	1	211	POLYSTYRENE,EXP.,1/2IN,	0.0417	0.000			☐
	2	23	6 in. Insulation	0.5000	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/1/2"WD Deck/WD Truss/9" Batt/Gyp Brd	Yes	No	0.03	1.50	8.22	37.0	☐
								☐