This Permit Must Be Prominently Posted	uilding Permit PERMIT on Premises During Construction 000029332
APPLICANT JON BYRD	PHONE 904 394-7944
ADDRESS 524 STOCKTON STREET	JACKSONVILLE FL 32204
OWNER GRACE & PRAISE MINISTRIES	PHONE 719-5499
ADDRESS 15880 US HWY 441 S	HIGH SPRINGS FL 32643
CONTRACTOR W.W. GAY	PHONE 904.388.2696
	2 MILES PAST I-75 ON THE R SIDE.
41/441 S OUT OF LAKE CITY 1,	2 MILES PAST 1-73 ON THE R SIDE.
TYPE DEVELOPMENT INTERIOR BUILDOUT ES	TIMATED COST OF CONSTRUCTION 20000.00
	
HEATED FLOOR AREA TOTAL ARI	EA HEIGHT STORIES
FOUNDATION WALLS I	ROOF PITCH FLOOR
LAND USE & ZONING	MAX. HEIGHT
Minimum Set Back Requirments: STREET-FRONT	REAR SIDE
NO. EX.D.U. 1 FLOOD ZONE NA	DEVELOPMENT PERMIT NO.
PARCEL ID 15-6S-17-09683-000 SUBDIVISIO	
1.0m	
EO1 BLOCK PHASE UNII	TOTAL ACRES 2.36
CGC1504951	p / antis
Culvert Permit No. Culvert Waiver Contractor's License Nur	()
EXISTING 10-0353 BK	<u>TC N</u>
	ng checked by Approved for Issuance New Resident
COMMENTS: NOC ON FILE	estato
BUILDING SHELL PERMIT ISSUED # 28782 AND ELECTRICAL 289	
SETBACKS AND FLOOD ZONE COMPLETED & CHARGED ON PER	Check # or Cash 3986
	IG DEPARTMENT ONLY (footer/Slab)
Temporary Power Foundation	Monolithic
Temporary Power Foundation	date/app. by (Tooter/Slab) date/app. by
Temporary Power Foundation date/app. by Under slab rough-in plumbing Slab	date/app. by Monolithic date/app. by Sheathing/Nailing
Temporary Power Foundation date/app. by Under slab rough-in plumbing Slab date/app. by	date/app. by (Tooter/Slab) date/app. by
Temporary Power Foundation date/app. by Under slab rough-in plumbing Slab date/app. by Framing Insulation	date/app. by Monolithic date/app. by Sheathing/Nailing date/app. by date/app. by
Temporary Power Foundation date/app. by Under slab rough-in plumbing Slab date/app. by Framing Insulation date/app. by	Monolithic
Temporary Power Foundation date/app. by Under slab rough-in plumbing Slab date/app. by Framing Insulation date/app. by Rough-in plumbing above slab and below wood floor	Monolithic date/app. by Sheathing/Nailing date/app. by date/app. by Electrical rough-in
Temporary Power Foundation date/app. by Under slab rough-in plumbing Slab framing Insulation date/app. by Framing Insulation date/app. by Rough-in plumbing above slab and below wood floor Heat & Air Duct Peri. beam (Linte	Monolithic date/app. by Sheathing/Nailing date/app. by s/app. by Electrical rough-in ate/app. by Pool
Temporary Power Foundation date/app. by Under slab rough-in plumbing Slab date/app. by Framing Insulation date/app. by Rough-in plumbing above slab and below wood floor Heat & Air Duct Peri. beam (Linter date/app. by	Monolithic date/app. by Sheathing/Nailing date/app. by Electrical rough-in ate/app. by Pool date/app. by date/app. by
Temporary Power Foundation date/app. by Under slab rough-in plumbing Slab date/app. by Framing Insulation date/app. by Rough-in plumbing above slab and below wood floor Heat & Air Duct Peri. beam (Linter date/app. by Permanent power C.O. Final	Monolithic date/app. by Sheathing/Nailing date/app. by s/app. by Electrical rough-in ate/app. by Pool date/app. by Culvert
Temporary Power Foundation date/app. by Under slab rough-in plumbing Slab Framing Insulation date/app. by Rough-in plumbing above slab and below wood floor Heat & Air Duct Peri. beam (Linte date/app. by Permanent power C.O. Final date/app. by Pump pole Utility Pole M/H tie december 1 date/app. by	Monolithic date/app. by Sheathing/Nailing date/app. by Electrical rough-in ate/app. by Pool date/app. by date/app. by
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Temporary Power date/app. by Under slab rough-in plumbing date/app. by Framing Insulation date/app. by Rough-in plumbing above slab and below wood floor Heat & Air Duct Peri. beam (Linte date/app. by Permanent power C.O. Final date/app. by Pump pole date/app. by Reconnection RV BUILDING PERMIT FEE \$ 100.00 CERTIFICATION FEE	Monolithic date/app. by Sheathing/Nailing date/app. by Electrical rough-in ate/app. by Pool date/app. by Culvert ate/app. by Culvert ate/app. by Re-roof date/app. by Re-roof date/app. by SURCHARGE FEE \$ 0.00
Temporary Power date/app. by Under slab rough-in plumbing Slab date/app. by Framing Insulation date/app. by Rough-in plumbing above slab and below wood floor Heat & Air Duct Peri. beam (Linte date/app. by Permanent power C.O. Final date/app. by Pump pole date/app. by Pump pole date/app. by Reconnection RV BUILDING PERMIT FEE \$ 100.00 CERTIFICATION FEE MISC. FEES \$ 0.00 ZONING CERT. FEE \$	Monolithic date/app. by date/app. by
Temporary Power date/app. by Under slab rough-in plumbing date/app. by Framing Insulation date/app. by Rough-in plumbing above slab and below wood floor Heat & Air Duct Peri. beam (Linte date/app. by Permanent power C.O. Final date/app. by Pump pole date/app. by Reconnection RV BUILDING PERMIT FEE \$ 100.00 CERTIFICATION FEE	Monolithic date/app. by date/app. by
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Temporary Power date/app. by Under slab rough-in plumbing date/app. by Framing Insulation date/app. by Rough-in plumbing above slab and below wood floor Heat & Air Duct Peri. beam (Linter date/app. by Permanent power C.O. Final date/app. by Pump pole date/app. by Reconnection RV date/app. by BUILDING PERMIT FEE \$ 100.00 CERTIFICATION FEE MISC. FEES \$ 0.00 ZONING CERT. FEE \$ FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$	Monolithic date/app. by Sheathing/Nailing date/app. by Electrical rough-in ate/app. by Electrical rough-in ate/app. by Culvert ate/app. by Culvert ate/app. by date/app. by Ate/app. by Culvert ate/app. by Ate/app. by Culvert ate/app. by Culvert ate/app. by Ate/app. by Culvert ate/app. by Culvert ate/app. by Ate/app. by Re-roof date/app. by Culvert Ate/app. by Culvert Ate/app. by Re-roof Ate/app. by Culvert Ate/app. by Ate/app. by Culvert Ate/app. by Culvert Ate/app. by Ate/app. by Ate/app. by Culvert Ate/app. by Ate/ap

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

Florida Energy Efficiency Code For Building Construction Florida Department of Community Affairs

EnergyGauge Summit® Fla/Com-2008, Effective: March 1, 2009 -- Form 400A-2008 Method A: Whole Building Performance Method for Commercial Buildings

PROJECT SUMMARY

Short Desc: GPM

Description: Grace and Praise Ministries I

Owner: Grace and Praise Ministries Address1: 15880 US Hwy South 441

City: Lake City

Address2:

State: FL

Zip: 32024

Type: Religious Building

Class: New Finished building

Jurisdiction: LAKE CITY, COLUMBIA COUNTY, FL (221200)

Conditioned Area: 4084 SF

Conditioned & UnConditioned Area: 4084 SF

No of Stories: 1

Area entered from Plans 2830 SF

Max Tonnage 3.8

Permit No: 0

If different, write in: _

12.0



Compliance	Summary		
Component	Design	Criteria	Result
Gross Energy Cost (in \$)	4,787.0	4,869.0	PASSED
LIGHTING CONTROLS			PASSES
EXTERNAL LIGHTING			None Entered
HVAC SYSTEM			PASSES
PLANT			None Entered
WATER HEATING SYSTEMS			None Entered
PIPING SYSTEMS			None Entered
Met all required compliance from Check List?			Yes/No/NA

IMPORTANT MESSAGE

Info 5009 -- -- An input report of this design building must be submitted along with this Compliance Report

CERTIFICATIONS

hereby certify that the plans lorida Energy Code	and specifications cover	ed by this calculation are in co	ompliance with the
Prepared By:	Ron Miller	Building Official:	**************************************
Date:	9/29/10	Date:	
certify that this building is in	compliance with the FLo	rida Energy Efficiency Code	
Owner Agent:		Date:	
f Required by Florida law, I he Energy Efficiency Code	ereby certify (*) that the	system design is in complianc	e with the FLorida
Architect:		Reg No:	
Electrical Designer:	Eric Shultz	Reg No:	36364
Lighting Designer:	Eric Shultz	Reg No:	36364
Mechanical Designer:	David Boree	Reg No:	35846
Plumbing Designer:	David Boree	Reg No:	35846
 *) Signature is required when professionals. 	e Florida Law requires o	lesign to be performed by reg	istered design

Ronald E. Miller, Jr.

Certified Commercial Energy Rater #960

Project: GPM

Title: Grace and Praise Ministries Fellowship Hall

Type: Religious Building
(WEA File: FL_JACKSONVILLE_INTL_ARPT.tm3)

Building End Uses

	1) Proposed	2) Baseline
	296.50	352.30
	\$4,787	\$5,729
ELECTRICITY(MBtu/kWh/\$)	296.50	352.30
	86885	103217
	<i>\$4,787</i>	\$5,729
AREA LIGHTS	44.20	38.40
	12936	11256
	\$713	\$625
MISC EQUIPMT	19.60	19.60
	5755	5755
	\$317	\$319
PUMPS & MISC	0.20	0.30
	72	77
	\$4	\$4
SPACE COOL	119.50	178.80
	35022	52375
	\$1,930	\$2,907
SPACE HEAT	26.70	26.30
	7817	7695
	\$431	\$427
VENT FANS	86.30	88.90
	25283	26059
	\$1,393	\$1,446
equires Proposed Building cost to	be at most 85%	PASS

Description Category Tradable? Allowance Area or Length ELPA CLP (W/Unit) or No. of Units (W) (W) (Sqft or ft)

Project: GPM

Title: Grace and Praise Ministries Fellowship Hall

Type: Religious Building

(WEA File: FL_JACKSONVILLE_INTL_ARPT.tm3)

Lighting Controls Compliance

Acronym	Ashrae ID	Description	Area (sq.ft)	Design CP	Min CP	Compli- ance
Zone 1/3 Men Women Zone 2	24,002	Fellowship Hall	918	4	2	PASSES
Men	6	Toilet and Washroom	130	1	1	PASSES
Women	6	Toilet and Washroom	130	1	1	PASSES
Zone 2	24,002	Fellowship Hall	994	4	2	PASSES

PASSES

None

Project: GPM Title: Grace and Praise Ministries Fellowship Hall Type: Religious Building (WEA File: FL_JACKSONVILLE_INTL_ARPT.tm3) **System Report Compliance** PHP-1/3 System 1 and 3 Constant Volume Air Cooled No. of Units Single Package System < 65000 Btu/hr Component Category Capacity Design Eff Design IPLV Comp-Eff Criteria **IPLV** Criteria liance Cooling System Air Conditioners Air Cooled 14.50 12.23 8.30 **PASSES** Single Pkg < 65000 Btu/h Cooling Capacity Heating System Heat Pumps Air Cooled 8.30 7.70 **PASSES** (Heating Mode) Single Pkg < 65000 Btu/h Cooling Capacity Air Handling Air Handler (Supply) -0.50 0.90 **PASSES** System -Supply Constant Volume Air Handling Air Handler (Return) -0.50 0.90 **PASSES** System - Return Constant Volume C----- 2

PHP-2 Sy	estem 2		Singl	tant Volur e Package) Btu/hr			of Units
Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Comp- liance
Cooling System	Air Conditioners Air Cooled Single Pkg < 65000 Btu/h Cooling Capacity		14.50	12.23	8.30		PASSES
Heating System	Heat Pumps Air Cooled (Heating Mode) Single Pkg < 65000 Btu/h Cooling Capacity		8.30	7.70			PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume		0.50	0.90			PASSES
Air Handling System - Return	Air Handler (Return) - Constant Volume		0.50	0.90			PASSES

PASSES

		P	ant	Comp	pliance						
Description	Installed No		sign Eff	Min Eff	Design IPLV	Min		tegory			Comp
									No	ne	
		Water	r He	ater (Complia	nce					
Description	Туре		Categ	gory	D	esign Eff	Min Eff	Design Loss	Max Loss	Comp liance	
										None	
			Pip	ing Sy	ystem C	omp	lianc	e			
Category		Pipe D [inche		Is unout?	Operating Temp [F]		n/hr 7	Ins Thick [in	Req Thicl	Ins Con k [in]	npliance
									None		

Project: GPM

Title: Grace and Praise Ministries Fellowship Hall

Type: Religious Building
(WEA File: FL_JACKSONVILLE_INTL_ARPT.tm3)

Other Required Compliance

Category	Section	Requirement (write N/A in box if not applicable)	Check
Report	13-101	Input Report Print-Out from EnergyGauge FlaCom attached	V
Operations Manual	13-102.1, 13-410, 13-413	Operations manual provided to owner	V
Windows & Doors	13-406.AB.1.1	Glazed swinging entrance & revolving doors: max. 1.0 cfm/ft ² ; all other products: 0.4 cfm/ft ²	~
Joints/Cracks	13-406.AB.1.2	To be caulked, gasketed, weather-stripped or otherwise sealed	V
Dropped Ceiling Cavity	13-406.AB.3	Vented: seal & insulated ceiling. Unvented seal & insulate roof & side walls	<u> </u>
System	13-407	HVAC Load sizing has been performed	V
Reheat	13-407.B	Electric resistance reheat prohibited	~
HVAC Efficiency	13-407, 13-408	Minimum efficiences: Cooling Tables 13-407.AB.3.2.1A-D; Heating Tables 13-407.AB.3.2.1B, 13-407.AB.3.2.1D, 13-408.AB.3.2.1E, 13-408.AB.3.2F	~
HVAC Controls	13-407.AB.2	Zone controls prevent reheat (exceptions); simultaneous heating and cooling in each zone; combined HAC deadband of at least 5°F (exceptions)	~
Ventilation Controls	13-409.AB.3	Motorized dampers reqd, except gravity dampers OK in: 1) exhaust systems and 2) systems with design outside air intake or exhaust capacity ≤300 cfm	ν
ADS	13-410	Duct sizing and Design have been performed	4
HVAC Ducts	13-410.AB	Air ducts, fittings, mechanical equipment & plenum chambers shall be mechanically attached, sealed, insulated & installed per Sec. 13-410 Air Distribution Systems	~
Balancing	13-410.AB.4	HVAC distribution system(s) tested & balanced. Report in construction documents	~
Piping Insulation	13-411.AB	In accordance with Table 13-411.AB.2	~
Water Heaters	13-412.AB	Performance requirements in accordance with Table 13-412.AB.3. Heat trap required	NA
Swimming Pools	13-412.AB.2.6	Cover on heated swimming pools: Time switch (exceptions); Readily accessible on/off switch	4/4
Hot Water Pipe Insulation	13-411.AB.3	Table 13-411.AB.2 for circulating systems, first 8 feet of outlet pipe from storage tank and between inlet pipe and heat trap	1/2
Water Fixtures	13-412.AB.2.5	Shower hot water flow restricted to 2.5 gpm at 80 psi. Public lavatory fixture how water flow 0.5 gpm max; if self-closing valve 0.25 gallon recirculating, 0.5 gallon non recirculating	%
Motors	13-414	Motor efficiency criteria have been met	1
Lighting Controls	13-415.AB	Automatic control required for interior lighting in buildings >5,000 s.f.; Space control; Exterior photo sensor; Tandom wiring with 1 or 3 linear fluuorescent lamps>30W	

EnergyGauge Summit® v3.22

INPUT DATA REPORT

Project Information

Project Name: GPM

Project Title: Grace and Praise Ministries Fellowship Hall

Address: 15880 US Hwy South 441

State: FL

Zip: 32024

Owner: Grace and Praise Ministries

Orientation: North

Building Type: Religious Building

Building Classification: New Finished building

No. of Stories:

GrossArea: 4084

SF

			Zones				
 No	No Acronym	Description	Туре	Area [sf]	Multiplier	Total Area [sf]	
 1	PHP-1/3	PHP-1	CONDITIONED	2096.0	1	2096.0	Q
 2	PHP-2	PHP-2	CONDITIONED	1988.0	-	1988.0	Q

			Spaces						
No Acronym	Description	Туре	Depth [ft]	Width [ft]	Height [ft]	Multi plier	Height Multi Total Area [ft] plier [sf]	Total Volume [cf]	
In Zone: PHP-1/3	Zone I and 3	Fellowship Hall	100	918 00	13 00	s	1836 0	22022 0	Ī
2 Men	Men	Toilet and Washroom	1.00	130.00	8.00		130.0	1040.0	団
3 Women	Women	Toilet and Washroom	1.00	130.00	8.00	-	130.0	1040.0	<u>C</u>
In Zone: PHP-2 1 Zone 2	Zone 2	Fellowship Hall	1.00	994.00	12.00	2	1988.0	23856.0	ū

				Lighting					
	No	Туре	Category	No. of Luminaires	Watts per Luminaire	Power [W]	Control Type	No.of Ctrl pts	
In Zone: I	ne: PHP-1/3 In Space: Zone 1/3	ompact Fluorescent	General Lighting	20	64	1280	Manual On/Off	2	
In Spac	In Space: Men	Recessed Fluorescent - General Lighting No vent	General Lighting	2	96	192	Manual On/Off	1	Z
In Spac	In Space: Women 1 R	Recessed Fluorescent - General Lighting No vent	General Lighting	2	96	192	Manual On/Off	· <u></u>	\(\sigma\)
In Zone: I In Spac	one: PHP-2 In Space: Zone 2	Compact Fluorescent	General Lighting	10	64	640	Manual On/Off	2	K)

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In Wall: West

						_	_										
	S.	In Zone:	2		ω	4		7	-	2	1			In Zone: In W	ī	ı	
	Desci	one: North	East		West	South		one:	East	West				2	In Wall:	In Wall:	In Wall.
	Description							PHP-2					N _o	PHP-1/3 ll: East	l: North	l: South	I. Wast
	Туре	PHP-1/3 Metal	siding 1Batt/ Metal	siding 1Batt/	Metal siding	Metal	siding 1Batt		siding	Metal	siding 1Batt		Description	Pr0Zo1Wa1Wi1	Pr0Zo1Wa1Wi1	Pr0Zo1Wa1Wi1	
			siding/2x4@24"+R1 1Batt/5/8"Gyp Metal	siding/2x4@24"+R1 1Batt/5/8"Gyp	Metal siding/2x4@24"+R1	Metal Oyp	siding/2x4@24"+R1 1Batt/5/8"Gyp		siding/2x4@24"+R1 1Ratt/5/8"Gvn	7/0 Cyp	siding/2x4@24"+R1 1Batt/5/8"Gyp		Туре	User Defined	User Defined	User Defined	
	Width H [ft]	75.00	13.50	}	13.50	75.00		13 50	10.01	13.50			Shaded	No	N _o	No	
	Width H (Effec) Multi [ft] [ft] plier	12.00	12.00	3	12.00	12.00		3	12.00	12.00		8	Approximate the second				
Walls	Multi plier	1	1		_	1		-	٠	-		Windows	U [Btu/hr sf F]	1.2500	1.2500	1.2500	
u	Area [sf]	900.0	162.0		162.0	900.0		160	102.0	162.0		SN	SHGC V	0.82	0.82	0.82	
	Dir												Vis.Tra	0.76	0.76	0.76	
	ectionCo [Bt	North	East	•	West	South		F)	t a st	West			[ft]	2.00	2.00	2.00	
	DirectionConductance [Btu/hr. sf. F]	0.0920	0.0920		0.0920	0.0920		0.0000	0.0720	0.0920			H (Effec) [ft]	2.00	6.00	6.00	
	Heat Capacity [Btu/sf.F]	1.072	1.072		1.072	1.072		1 072		1.072			Multi plier	1	4	4	
	Dens. [lb/cf]	19.38	19.38	10.38	19.38	19.38		10 38		19.38			Total Area [sf]	4.0	48.0	48.0	
	Dens. R-Value [lb/cf] [h.sf.F/Btu]	10.9	10.9	100	10.9	10.9		10 9		10.9			rea	0	.0	.0	
		3	团		S	7		7	[7	7	T	

	Total Area [Sf]	Area [Sf]	ultiplier	H (Effec) Multiplier [ft]	[ft]	Vis.Trans	SHGC VI		U [Btu/hr sf F]	Туре	Description	N _o	
							ıts	Skylights					
Ţ	20.3	9.49	1.34	0.0492	0.00	1988.0	1	10.00	198.80	Mtl Bldg Roof/R-19 Batt		Pr0Zo1Rf1	In Zone: FI
7	20.3	9.49	1.34	0.0492	0.00	2096.0	1	10.00	209.60	Mtl Bldg Roof/R-19 Batt		PHP-1/3 Pr0Zo1Rf1	- P
	R-Value [h.sf.F/Btu]		Heat Cap [Btu/sf. F]	Cond. Heat Cap Dens. [Btu/hr. Sf. F] [Btu/sf. F] [lb/cf]	Tilt [deg] [Btı	Area [sf]	Multi plier	H (Effec) [ft]	Width [ft]	pe	ion Type	Description	No
							fs	Roofs					
[0.82	0.00	0.00	1.2244	21.0	2	7.00	3.00	No	Fiberglass/Mineral wool core	Pr0Zo1Wa2Dr1	1 Pr02	
]	3	3	8	8		ò	2	2	:	! :	<u>.</u>	N	In Zone: PHP-2 In Wall:
7	0.82	0.00	0.00	1.2244	21.0	-	7.00	3.00	No	Fiberglass/Mineral wool core)1Wa2Dr1	W.	=
Z	0.82	0.00	0.00	1.2244	21.0	-	7.00	3.00	No	Fiberglass/Mineral wool core	o1Wa2Dr1	53	In Zone: PHP-In Wall:
	R-Value [h.sf.F/Btu]	Heat Cap. [Btu/sf. F]	Dens. H [lb/cf] [l	Cond. Dens. Heat Cap. [Btu/hr. sf. F] [lb/cf] [Btu/sf. F]	Area [sf] [B		H (Effec) Multi [ft] plier		Shaded? Width [ft]	Туре	Description	No Desci	
							rs	Doors		745			
7	4.0		1	2.00		0.76	0.82	1.2500	No	User Defined	Pr0Zo1Wa1Wi1	1 P	

1111

4 Air	3 Air	2 Hea	1 Coo	Component Category	PHP-1/3	
Air Handling System - Return	Air Handling System -Supply	Heating System	Cooling System	itegory	System 1 and 3	
1510.00	1510.00	45000.00	46000.00	Capacity	Constant Vo Package Sys	Systems
0.50	0.50	8.30	14.50	Efficiency	Constant Volume Air Cooled Single Package System < 65000 Btu/hr	
			8.30	IPLV	ngle	
					No. Of Units 2	
团	ß	7	Z			

In Zone:

PHP-2 Pr0Zo1FI1

1 ft. soil, concrete floor, carpet and rubber pad

198.80

10.00

1988.0 0.2681

34.00

113.33

3.73

In Zone:

PHP-1/3 Pr0Zo1FII

1 ft. soil, concrete floor, carpet and rubber pad

209.60

10.00

2096.0 0.2681

34.00

113.33

3.73

7

I achage System - opood Btm/III
Component Category Capacity Efficiency IPLV
1 Cooling System 46000.00 14.50 8.30
2 Heating System 45000.00 8.30
3 Air Handling System -Supply 1510.00 0.50
4 Air Handling System - Return 1510.00 0.50

₹						
	Loss	Efficiency	I/P Rt.	CapacityCap.Unit	W-Heater Description	
		Š	Water Heaters	W		
耳						
IPLV	Eff.	Inst.No	Size	Category	Equipment	
			Plant			
						ľ

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

	ž	
	No Type	
	Operating Temperature [F]	Piping
	Insulation Conductivity [Btu-in/h.sf.F]	ing
	Nomonal pipe In Diameter T [in]	
	sulation hickness [in]	
	Is Runout?	
团		

ASHULSglClrAll User Defined	Name	
User Defined	Glass Type	
1	No. of Panes	
1.2500	Glass Conductance [Btu/h.sf.F]	Fenestra
0.8200	SHGC	Fenestration Used
0.7600	VLT	
\(\sqrt{}\)	4	ja

	,		Mat	Materials Used	ed	2			
Mat No	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	Matil187	GYP OR PLAS BOARD.1/2IN	No	0.4533	0.0417	0.0920	50.00	0.2000	Ę
178	Matl178	CARPET W/RUBBER PAD	Yes	1.2300					S
265	Matl265	Soil, 1 ft	No	2.0000	1.0000	0.5000	100.00	0.2000	Z
48	Matl48	6 in. Heavyweight concrete	No	0.5000	0.5000	1.0000	140.00	0.2000	S
23	Matl23	6 in. Insulation	No	20.0000	0.5000	0.0250	5.70	0.2000	Q
4	Matl4	Steel siding	No	0.0002	0.0050	26.0000	480.00	0.1000	Q
271	Matl271	2x4@24" oc + R11 Batt	No	10.4179	0.2917	0.0280	7.11	0.2000	Q
94	Matl94	BUILT-UP ROOFING,	No	0.3366	0.0313	0.0930	70.00	0.3500	Q
		3/8IN							

	1	1	
	1029	No.	
Layer Material Material No.	1029 Fiberglass/Mineral wool core	No Name	
2 1	No	Simple Construct	Con
Thi	Yes	Massless Construct	Constructs Used
Thickness F	1.22	Conductance [Btu/h.sf.F]	Jsed
Framing Factor		Heat Capacity [Btu/sf.F]	
		Density [lb/cf]	
	0.8	Density RValue [lb/cf] [h.sf.F/Btu]	
	口		

Q			0.000	0.5000	0.1		6 in. Insulation	23	2	
			0.000	0.0313	0.0	OFING, 3/8IN	BUILT-UP ROOFING, 3/8IN	94	_	
			Framing Factor	Thickness Fr	Th		Material	Material No.	Layer	
I	20.3	9.49	1.34	0.05	No	No		₹-19 Batt	Mtl Bldg Roof/R-19 Batt	1056
	RValue [h.sf.F/Btu]	Density [lb/cf]	Heat Capacity [Btu/sf.F]	Conductance [Btu/h.sf.F]	Massless Construct	Simple Construct			Name	N _o
Q			0.000	0.0417	1.0	GYP OR PLAS BOARD,1/2IN	GYP OR PLAS	187	ω	
S			0.000	0.2917	0.5	R11 Batt	2x4@24" oc + R11 Batt	271	2	
I			0.000	0.0050	0.0		Steel siding	4	. 1	
			Framing Factor	Thickness Fr	Th		Material	Material No.	Layer	
	10.9	19.38	1.07	0.09	No	No	Batt/5/8"Gyp	1@24"+R11I	Metal siding/2x4@24"+R11Batt/5/8"Gyp	1055
	RValue [h.sf.F/Btu]	Density [lb/cf]	Heat Capacity [Btu/sf.F]	Conductance [Btu/h.sf.F]	Massless Construct	Simple Construct			Name	No
J			0.000			eral wool core	Fiberglass/Mineral wool core	280	1	
			Framing Factor	Thickness Fr	Th		Material	Material No.	Layer	
S	0.8			1.22	Yes	No	TO TO	ral wool core	Fiberglass/Mineral wool core	1029
	RValue [h.sf.F/Btu]	Density [lb/cf]	Heat Capacity [Btu/sf.F]	Conductance [Btu/h.sf.F]	Massless Construct	Simple Construct			Name	No

				1057 1	No Name	
ω	2	_	Layer	ft. soil, concre	ame	
178	48	265	Material No.	te floor, carp		
CARPET W/RUBBER PAD	6 in. Heavyweight concrete	Soil, 1 ft	Material Material	1057 I ft. soil, concrete floor, carpet and rubber pad		
BER PAD	concrete			No	Simple Construct	
	0	_	11	No	Massless Construct	
	0.5000	1.0000	Thickness [ft]	0.27	Conductance [Btu/h.sf.F]	
0.000	0.000	0.000	Framing Factor	34.00	Heat Capacity [Btu/sf.F]	
				113.33	Density [lb/cf]	
				3.7	RValue [h.sf.F/Btu]	
D	T	J		S		

Summer design dry bulb Summer design wet bulb Winter design dry bulb Summer clearness number Winter clearness number Summer ground reflectance Winter ground reflectance Carbon Dioxide Level Design simulation period Cooling load methodology Heating load methodology	Air density Air specific heat Density-specific heat product Latent heat factor Enthalpy factor	Location Latitude Longitude Time Zone Elevation Barometric pressure	Dataset name Calculation time TRACE® 700 version	Building owner Program user Company Comments	Location
97 77 77 32 °F 0.95 0.95 0.20 0.20 400 ppm January - December TETD-TA1 UATD	0.0760 0.2444 1.1144 4,905.3 4.5588	Jacksonville, Florida 30.0 deg 81.0 deg 5 ft 24 ft 29.9 in. Hg	C:\Users\RMiller\Deskto Ministries\GPM.trc 02:31 PM on 09/15/2010 6.2.6	Ron Miller AEC Inc	Gainesville FL
°F °F ppm	Ib/cu ft Btu/lb·°F Btu/h·cfm·°F Btu·min/h·cu ft Ib·min/hr·cu ft	, Florida deg deg ft ft in. Hg	C:\Users\RMiller\Desktop\Projects\Grace and Praise Ministries\GPM.trc 02:31 PM on 09/15/2010 6.2.6		7





Total	Op AM	[e	SUDDREE	O D A < C	SADE	0527750070	ν ω <mark>m</mark>		Sy
tal	Main Clg Aux Clg Opt Vent	Grand Total ==>	Exhaust Heat Sup. Fan Heat Ret. Fan Heat Duct Heat Pkup Underfir Sup Ht Pkup Supply Air Leakage	Ceiling Load Ventilation Load Adj Air Trans Heat Dehumid. Ov Sizing Ov/Undr Sizing	Internal Loads Lights People Misc Sub Total ==>	Roof Cond Glass Solar Glass/Door Cond Wall Cond Partition/Door Floor Adjacent Floor Infiltration Sub Total ==>	Envelope Loads Skylite Solar		System - 001
	004 3	To 27	leat Heat Heat Pkup Pkup Ht F	bad n Load ans Hea Ov Sizi	oads	lar lor Conc d Door Floor	Loads olar	COOLIN Peaked at Time: Outside Air:	-001
4.0	ton MBh 4.0 47.8 0.0 0.0 0.0 0.0		ō	ing the		_	Sens.	COOLING (ed at Time: Outside Air:	
47.8	47.8 0.0	33,188		1,154 0 0	6,266 15,500 5,379 27,145	4,888	Space + Lat. Btu/h	COOLING COIL PEAK d at Time: utside Air: OADB/WB/I	
	33.4 0.0	000					Plenum Sens. + Lat Btu/h	OAD CAD	
		47	0 00 0	-1,154 0	1,567 0 0 0 1,567	2,440 0 1,124 0 3,564	Plenum s. + Lat Btu/h	Mo/ B/WB/H	
	<u>.</u> -	COIL SELECTION	ì	10	7 15 5 28	ω σ N	т т	JIL PEAK Mo/Hr: 8/14 OADBWB/HR: 94/77/117	
				0 10,581 0	7,833 15,500 5,379 28,712	,44	Net Percent Total Of Total Btu/h (%)	14 / 77 / 1	
	81.5 66.5 73 0.0 0.0 0 0.0 0.0 0	CTIO	000000	00020	16 32 60	300003005	Net Percent otal Of Total tu/h (%)	17	
	66.5 0.0	Z	*				σ	CLG	
	gr/lb 73.3 0.0	26,393		1,025 0 0	6,266 7,750 5,379 19,395	5,972 5,972	Space Sensible Btu/h	Mo/H OADE	
	53.2 0.0	.				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Perc Of To	SPACE PEAK Mo/Hr: Sum of OADB: Peaks	
	53.2 52.0 0.0 0.0 0.0 0.0			400 0	73 In	2300003000		X	
	53.2 52.0 55.8 0.0 0.0 0.0 0.0 0.0 0.0	Grand Total ==	OA Preheat Diff. RA Preheat Diff. Additional Reheat Underfir Sup Ht Pkup Supply Air Leakage	Ceiling Load Ventilation Load Adj Air Trans Heat Ov/Undr Sizing Exhaust Heat	Internal Loads Lights People Misc Sub Total ==>	Roof Cond Glass Solar Glass/Door Cond Wall Cond Partition/Door Floor Adjacent Floor Infiltration Sub Total ==>	Envelope Loads Skylite Solar Skylite Cond		
Roof Wall Ext D	Floor Part Int D		eat Diff. at Diff. al Rehe Sup Ht ir Leak	oad on Load on Load on Heat Sizing	.oads	ond Solar Solar Solar Coond Ond On On on tal ==>	Loads Solar		
Roof Wall Ext Door	Floor Part Int Door		at Pkup age	ă –		ā		_	
918 1,904	918 0		Ĺ,			ა	Space Peak Space Sens Btu/h	HEATING Mo/Hr OADB	
0 % 4 0		AS		474 0 0	0000	-3,791 0 0 0 0 0	Peak Sens Btu/h		
000	t² (2				To	COIL PEAK Heating Desig 32	
000	8	-13,936	00 000	-8,046 0	0000	-1,192 0 -4,699 -5,890	I Peak Sens Btu/h	EAK Design	
Humidif Opt Vent Total	Main Htg Aux Htg Preheat	HE	0.00000	0.00 57.73 0.00	0.00	8.55 0.00 0.00 0.00 0.00 0.00 0.00 0.00	Coil Peak Percent Tot Sens Of Total Btu/h (%) 0 0.00		
# "	a	NITA NITA						N OS]
0.0 0.0 -13.9	-13.9 0.0	No. People	% OA cfm/ft² cfm/ton ft²/ton ft²/ton	Leakage Ups	And vent Infil MinStop/Rh Return Exhaust Rm Exh Ruxiliary	Diffuser Terminal Main Fan Sec Fan Nom Vent	Return Ret/OA Ret/OA Fn MtrTD Fn BIdTD Fn Frict	TEM SADB Ra Plenum	
	-13.9 1,086 0.0 0	IL SE	Í	age Ups	ŝ	AIRFL	100	WPER	
00		HEATING COIL SELECTION	Cooling 17.5 1.18 272.83 230.72 52.01	NO I	190 0 190 0	Cooling 1,086 1,086 1,086 1,086	79.0 81.5 0.0 0.0	TEMPERATURES Cooling He 53.2 Panum 79.0	Sing
0.0	62.0 0.0	[S	-7 He 6	S o o		300 66 6W		20	Single Zone
0.0	73.5 0.0		ating 17.5 1.18 5.18	00	190	n,086 1,086 1,086 1,086 1,086	68.4 62.0 0.0	ating 73.5	ne

Dataset Name: Project Name: GPM.trc Praise and Worship Ministries

TRACE® 700 v6.2.6 calculated at 02:31 PM on 09/15/2010 Alternative - 1 System Checksums Report Page 1 of 3

System Checksums By Trial

Single Zone

Parasical all Times Duality Du	Г		_			٦	<i>(</i> 0 = -	m m 40	m c :	3 > 7 0			_									
Dolling Coll PEAK Coll SPACE PEAK Coll PEAK Coll PEAK Coll PEAK Coll PEAK Colling Heating Design Colling		Total	Opt Vent	Main Clg Aux Clg		Grand Total ==	Underfir Sup H Supply Air Lea	Sup. Fan Heat Ret. Fan Heat Duct Heat Pkur	Ov/Undr Sizing Exhaust Heat	Ceiling Load Ventilation Loa Adj Air Trans H	Sub Total ==>	Lights People Misc	Internal Loads	Sub Total ==>	Adjacent Floor	Wall Cond Partition/Door	Glass/Door Co	Skylite Solar Skylite Cond	Envelope Load		Pear	
COOIL PEAK COO		3.9	0.0	0.0	Total Ca	ľ	t Pkup kage		_	ad leat					DAR		ň			Sens	ked at T Outside	000
Coll Space Peak Find Peak Find Peak P		46.5	0.0	46.5 0.0	apacity MBh	32,154			0	1,315 0 0	29,570	6,785 16,000 6,785		1,269	000	1,269 0	000	000	Btu/h	Space . + Lat.	Air	LING
Net Percent Space Percent Perc			0.0	31.6 0.0	COOLING Co Sens Cap. Co MBh	3,703	0 (00	0	-1,315 0	1,696	1,696 0		3,322	0	295	3,027 0	3	Btu/h	Plenum Sens. + Lat	Mo/Hi OADB/WB/HR	COIL PEAK
CLG SPACE PEAK			0		The second second	46,507	000	000	000	10,649 0	31,266	8,481 16,000 6,785		4,592	000	1,565 0	3,02/	,		Net Total	: 8/17 : 93/78/	
Month: Sum of					ECTION Enter DE	100.00	000	000	000	230	67	18 15		100	000	О О W	00\	100	(%)	Percent Of Total	119	
HEATING COIL PEAK Moth: Heating Design Space Peak Coil Peak Percent Space Peak Space					F W B	24,170			0	1,227 0 0	21,570	6,785 8,000 6,785		1,373	000	1,373	000	000			Mo/Hr: OADB:	CLG SPACE
HEATING COIL PEAK Mo/lhr: Heating Design Space Peak Coil Peak Percent Space Peak Space Peak Space Peak Space Peak Space Peak Space Sens Tot Sens Of Total Refurn Total Peak Percent Return Total Peak Peak Peak Peak Peak Peak Peak Peak				53.0 51 0.0 0	Leave D				0		89	28 28 28		თი	000	, O o .	000	000	(%)	Percent Of Total	Sum of Peaks	E PEAK
HEATING COIL PEAK					B/WB/HR °F gr/lb	Grand Tota	Underfir Su Supply Air	RA Preheat Additional	Exhaust He OA Preheat	Ceiling Loa Ventilation Adj Air Tra	Sub Tota	Lights People Misc	Internal Lo	Sub Tota	Adjacent	Wall Con Partition/	Glass/Do	Skylite S	Envelope L			54
Mo/Hr: Heating Design	Ext Door	Roof	Int Door	Floor	Gro	Ů.	ıp Ht Pkup Leakage	Diff. Reheat	Diff.	ld Load ns Heat	==>		ads	===	Floor	Door	lar Or Cond	olar				
Name		394 399	00	994	AREAS Total	-1,187			c	-392 0	0	000		-795	000	-795 0	000	000	Btu/h	Space Peak Space Sens	Mo/Hr: H	HEATING C
Name	0 0	00			Glass															٦ C	Heating 32	ÖL F
SADB SADB S3.0 79.2 68					(%)	10,336	00	00	000	-8,046	0	000		-2,291	000	-987	-1,304 0		Btu/h	il Peak	Design	EAK
atii 0.0 0.19 0.19	Total	Humidif	Preheat	Main Htg Aux Htg	ΉE		0.00	0.00	000	51				N	0.00	9.55			(%)	Percent Of Total	_	
atii 0.0 0.19 0.19	-10.3	0.0	0.0	-10.3 0.0	ATING COIL S CapacityCoil MBh	No. People	cfm/ton ft²/ton		ENGINE	Leakage Dwn Leakage Ups	Rm Exh	MinStop/Rh Return Exhaust	Infil	Nom Vent	Main Fan	Diffuser	AIRF	Fn Frict				TEMPE
atii 0.0 0.19 0.19					ELECTIO Airflow E	32	254.38 256.48		O	000	190	796 0	0	190	986			0.0				RATURE
					114	-10.40		leating 19.3	S	00	190	796 0	0	190	986	Heating 986		0.0	0.0	68.8	Heating 71.1 68.8	S

Dataset Name: Project Name: GPM.trc Praise and Worship Ministries

System - 003

Single Zone

HEATING COIL PEAK			-13.9	Total	0 0	0 0	0 0	Ext Door										
COOLING COIL PEAK Coll PEA	0.0	00	0.0	Humidif		00	918	Roof								50.7	4.2	Total
Peaked at Time: DADBWMFFE 39/78 / 1199 DADBW Mohl: Series Space Percent Solve State Solve Series Space Percent Solve Series			0.0	Preheat			00	Int Door			0.0				0.0	0.0	0.0	Opt Vent
COOLING COIL PEAK TIME COIL PEAK T			-13.9 0.0	Main Htg Aux Htg			918 0	Floor		0.0 0.0	72.1 0.0			<u>-</u> -	35.9 0.0	0.0	0.0	Main Clg Aux Clg
Titrine: Mohrit: 8117	71 A	ELECTION Airflow E	CapacityCoil MBh	HEA	1SS (%)		ARE oss Total	Gr	S/WB/HR F gr/lb	Leave DE	B/HR gr/lb	F DBWI			COOLING Sens Cap. MBh	MBh	Total Ca	
Titrine:	-		No. People	11	-13,941	38	4,2	'al ==>	Grand Tot	100.00 0	28,148	1.00	11	50,	4,663	35,251		Grand Tota
COOLING COIL PEAK CLG SPACE PEAK MoHr: SHATING COIL PEAK MoHr: Heating Design Mo	15.10		cfm/ton ft²/ton		00			Sup Ht Pkup r Leakage	Underfir S Supply Air	(0 =		00	00		0		up Ht Pkup Leakage	Underfir S Supply Air
COOLING COIL PEAK CLG SPACE PEAK COOLING COIL PEAK Moort Return Moort M	16.4 1.26				00			at Diff.	RA Prehea Additional	> 70		000	000		00		eat eat Pkup	Ret. Fan H Duct Heat
COOLING COIL PEAK CLG SPACE PEAK Mo/Hr: Sum of dat Time: Mo/Hr: Sum of dat Time: Mo/Hr: Sum of DADB: Peaks Mo/Hr: Sum of DADB: Peaks Mo/Hr: Batting Design Mo/	S	C	ENGINEE		000	C		leat at Diff.	Exhaust H		0	000	000		0	0	izing	Ov/Undr S Exhaust H
COOLING COIL PEAK CLG SPACE PEAK HEATING COIL PEAK TEMPERATURES Additional property inside Air: CADBWB/HR: 93/78/119 Mo/Hr: Sum of cooling Peaks Space Percent Space Percent Space Percent Space Percent Space Percent Sum of cooling Peaks Space Peak Sum of cooling Peak Sum of cooling Peaks Space Peak Sum of cooling Pe	00	00	Leakage Dwn Leakage Ups		-8,046 0	0 0 0 7	4	yad n Load ans Heat	Ceiling Lo Ventilation Adj Air Tra	The Section	1,270 0 0	0 2 0	040	10,	-1,252 0	1,252 0 0	ad Load ns Heat	Ceiling Lo Ventilation Adj Air Tra
COOLING COIL PEAK CLG SPACE PEAK HEATING COIL PEAK TEMPERATURES d at Time: Mo/Hr: 8/17 Mo/Hr: 8/17 Mo/Hr: 8/178 1119 Mo/Hr: 8/178 Mo/Hr: Reating Design Mo/Hr: Reatin	190	190	Rm Exh		0	0		9/ ==>	Sub Tota	69	19,395	57	712	28,	1,567	27,145		Sub Total
COOLING COIL PEAK CLG SPACE PEAK HEATING COIL PEAK TEMPERATURES d at Time: utside Alir: Mo/Hr: 8/17 Mo/Hr: Sum of OADB: 78/119 Mo/Hr: Sum of OADB: 32 Mo/Hr: Heating Design OADB: 32 Cooling Heat Sum of Total OADB: 78/3 Space Peak Coil Peak Cooling Heat Cooli	968	968	Return Exhaust		000	000			People Misc	28	7,750 5,379	135	500 379	5,5	0	15,500		People
COOLING COIL PEAK CLG SPACE PEAK HEATING COIL PEAK TEMPERATURES d at Time: utside Air: Mo/Hr: 8/17 OADBWB/HR: 93 / 78 / 119 Mo/Hr: Sum of OADB: Peaks Mo/Hr: Heating Design oADB: Peaks Mo/Hr: Heating Design oADB: Peaks Cooling Heat OADB: Peaks Cooling Heat OADB: Peaks Mo/Hr: Heating Design oADB: Peaks Cooling Heat OADB: Peaks Mo/Hr: Heating Design oADB: Peaks SADB 53.2	000	00	Infil		o	Þ		oads	Internal Lo	100	0	ņ	3	7	1 567	0000	ads	Internal Lo
COOLING COIL PEAK CLG SPACE PEAK HEATING COIL PEAK TEMPERATURES d at Time: utside Air: Mo/Hr: 81/17 NADB: Peaks Mo/Hr: Heating Design OADB: 32 Mo/Hr: Heating Design OADB: 32 Cooling Heating Design OADB: 32 Space Peaks Cooling Heating Design OADB: 32 Space Peak OADB: 32 Space Peak Percent SaAB Size Percent SaAB Size Peak Percent SaAB Size Peak Percent SaAB Size Peak Percent SaAB Size Peak Size Sens Tot Sens Of Total Set/In Size Size Solar S	190	190 190	Nom Vent		-5,896	791	-3,7	a/ ==>	Sub Tota	27	7,483	22	203	11,	4,349	6,854) 	Sub Total
COOLING COIL PEAK CLG SPACE PEAK HEATING COIL PEAK TEMPERATURES d at Time: utside Air: Mo/Hr: 8/17 Mo/Hr: Sum of OADB: Mo/Hr: Sum of OADB: Peaks Mo/Hr: Heating Design OADB: 32 Cooling Heat Of Total Sans of Total Sens of Total Sens. + Lat Total Of Total Btu/h (%) Space Percent Sens Tot Sens Of Total Btu/h (%) Space Peak Shu/h Btu/h (%) Coil Peak Percent Sans Of Total Btu/h (%) Return 79.3 Return 79.3 Return 79.3 Space Sens Tot Sens Of Total Btu/h (%) Return 79.3 Fin BidTD 0.0 O.0 O.0 O.0 O.0 O.0 O.0 O.0 O.0 O.0	1,158	1,158	Main Fan	0.00	000	000		it Floor	Adjacen	000	000	000	000		0	000	-loor	Adjacent I
COOLING COIL PEAK CLG SPACE PEAK HEATING COIL PEAK TEMPERATURE: d at Time: utside Air: Mo/Hr: 8/17 OADBWB/HR: 93 / 78 / 119 Mo/Hr: Sum of OADB: Peaks Mo/Hr: Heating Design Cooling hours Sandb Return 79.3 Return 79.3 Sandb Sandb Sandb Sandb Return 79.3 Return 99.3 Sandb Fin MtrTD 0.0 0.0 Fin BidTD 0.0 Fin BidTD 0.0 Fin BidTD 0.0 Fin Frict 0.0 Fin BidTD 0.0 0.0 <td< td=""><td>1,158</td><td></td><td>Diffuser</td><td>•</td><td>4,70</td><td>0 0 1</td><td>, du</td><td>/Door</td><td>Partition</td><td>0 0 7</td><td>7,483</td><td>007</td><td>000</td><td>ō</td><td>1,606</td><td>000</td><td>oor</td><td>Partition/C</td></td<>	1,158		Diffuser	•	4,70	0 0 1	, du	/Door	Partition	0 0 7	7,483	007	000	ō	1,606	000	oor	Partition/C
COOLING COIL PEAK CLG SPACE PEAK HEATING COIL PEAK TEMPERATURE d at Time: utside Air: OADB/WB/HR: 93 / 78 / 119 Mo/Hr: Sum of OADB: Peaks Mo/Hr: Heating Design OADB: 32 Cooling SaDB SaZ Space Plenum Sens. + Lat. Sens. + Lat. Sens. + Lat Btu/h Btu/h Btu/h OADB: Btu/h OADB: 942 Sens Sens Final Btu/h OADB: 942 Sens Sens Sens Sens Sens Sens Sens Sens	leating	۵	AIRF	ř.	00	00	,	olar oor Cond	Glass/Do	00		100	00	,		00	ar Cond	Glass/Doc
COOLING COIL PEAK CLG SPACE PEAK Mo/Hr: 8/17 d at Time:		7			-1.195	00		Cond	Skylite C	00	00	υ O	0	2		00	4 ñd	Skylite Con
AG COIL PEAK CLG SPACE PEAK Mo/Hr: 8 / 17 OADBWB/HR: 93 / 78 / 119 OADB: Peaks Cooling OADB: 78 / 12 OADB: Peaks OADB: Peak Cooling OADB: 32 Ra Plenum Net Percent Space Percent	000	000	Fn BldTD		0	0 :	ŗ	Loads	Envelope Skylite S	-	0	0 (%)		r	0	0	Loads	Envelope Skylite So
AG COIL PEAK CLG SPACE PEAK Mo/Hr: 8 / 17 OADB/WB/HR: 93 / 78 / 119 CLG SPACE PEAK HEATING COIL PEAK Mo/Hr: Heating Design OADB: 32 Cooling OADB: 32 Ra Plenum 79.3	68.5 62.5	79.3 81.5		Of Total	Coil Peak Tot Sens	ns k	Space Pe			Percent Of Total		ent	Perc Of To	. J	Plenum Sens. + Lat	Space . + Lat.	Sens	
IG COIL PEAK CLG SPACE PEAK HEATING COIL PEAK	eating 73.3 68.5		a T	3	ting Desigr	Hr. Heal	Mo/			Sum of Seaks	Mo/Hr: S OADB: F		7 78 / 119	HR: 93/	OADBWB,	Air:	Peaked at Ti Outside	
		RATURES	TEMPE		L PEAK	G COII	D			PEAK	G SPACE	C C		^	COIL PEAN	LING	000	

Project Name: Dataset Name: GPM.trc Praise and Worship Ministries

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Ent Lvg	HEATING COIL SELECTION CapacityCoil Airflow En MBh cfm "1	ATING C	뜐	Glass ft² (%)	AREAS Gross Total		Leave DB/WB/HR °F °F gr/lb	B/WB/HR F gr/lb	m	COIL Coil Air	COOLING COIL Sens Cap. Coil Air MBh	Total Capacity	Total (
1	le	No. People	100.00	-12,934	-3,442	Grand Total ==>	100.00 G	24,198	100.00	44,942	3,368	30,993	Grand Total ==>
-1641	210.40 210.40	ft²/ton	0.00	00	. do	Underfir Sup Ht Pkup Supply Air Leakage	s c		00	00	0		Underfir Sup Ht Pkup Supply Air Leakage
	1.25	cfm/ft²	0.80	-104	at	Additional Reheat System Plenum Heat	ωÞ		00	00	00		Ret. Fan Heat Duct Heat Pkup
Heating	Cooling	2	0.00	00		RA Preheat Diff.	70 (7		00	00	c		Exhaust Heat Sup. Fan Heat
CKS	ENGINEERING CKS	ENC	000	000	c	Ov/Undr Sizing Exhaust Heat	о по	0	000	000		0	Dehumid. Ov Sizing Ov/Undr Sizing
	•	,	80	0	00	Adj Air Trans Heat		0	0 !	0		0 0	Adj Air Trans Heat
00	Dwn	Leakage Dwn	0.00 62.20	-8,046	407 0	Ceiling Load Ventilation Load	40	876 0	240	0 10 581	-1,005 0	1,005	Ceiling Load
0 0	-	Auxiliary	0.00	0	0	Sub Total ==>	76	18,508	61	27,603	1,345	26,258	Sub Total ==>
	5 6	Exhaust	0.00	00	00	Misc	22	5,379	12	5,379	00	5,379	Misc
797	79	MinStop/Rh	0.00	00	00	Lights		5,379	15	6,724	1,345	5,379	Lights
		Infil				Internal Loads	5						Internal Loads
0 190	nt 190	Nom Vent	36.99	4,785	-3,036	Sub Total ==>	20	4,814	15	6,758	3,028	3,730	Sub Total ==>
		Sec Fan	0.00	. 725	200	Infiltration	0	0	0	0		0	Infiltration
7 987	987	Main Fan	0.00	00	00	Adjacent Floor	00	00	00	0 0	0	00	Adjacent Floor
		Terminal	0.00	00	00	Partition/Door	00	00	00	00		00	Partition/Door
g Heating	Cooling 987	Diffusor	29.08	-3,762	-3,036	Wall Cond	20	4,814	100	4,583	852	3,730	Wall Cond
	AIRFLOWS		0.0		00	Glass Solar	000	000	000	! : :	1000	000	Glass Solar
			7.91	-1.023	00	Roof Cond	00	00	ט כ	2 176	2 176	00	Skylite Cond
		Fn Frict	0.0	00	00	Skylite Solar	-	00	00	00	00	00	Skylite Solar
0.0	0.0	Fn BidTD	(%)	Btu/h	Btu/h	Envelope I pads	(%) F	Btu/h	(%)	Btu/h	Btu/h	Btu/h	n
	m >	Ret/OA	of Total	Tot Sens Of Total	Space Sens		Percent Of Total		Percent Of Total		Plenum Sens. + Lat	Space s. + Lat.	Sens.
		Ra Plenum							14.68				,
He	Cooling 53.0	SADB		Mo/Hr: Heating Design OADB: 32	Mo/Hr: H		/12	Mo/Hr: 8 / 12 OADB: 91	117	Mo/Hr: 8 / 14 OADB/WB/HR: 94 / 77 / 117	Mo.	ime:	Peaked at Time: Outside Air
ĨES	TEMPERATURES	ΤE		ATING COIL PEAK	HEATING C		PEAK	CLG SPACE PEAK	124	T. 0 c 72	COOLING COIL PEAK	DLING	coc
												-	

Project Name: Dataset Name: Praise and Worship Ministries GPM.trc Main Clg Aux Clg Opt Vent

0.0

0.0

30.6 0.0

987 0

81.8 67.2 0.0 0.0 0.0 0.0

76.6 0.0

53.0 52.4 0.0 0.0 0.0 0.0

57.7 0.0

Floor Part Int Door ExFIr Roof Wall Ext Door

788 0 0 0 788 1,524

Total

44.9

000 000 Main Htg Aux Htg Preheat Humidif Opt Vent Total -12.9 0.0 0.0 0.0 0.0 -12.9 987 61.4 0 0.0 0 0.0 0.0 73.1 0.0 0.0 Ev1 0.0

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HEATING COIL SELECTION				77777	Coil Aidion	0		Total Capacity
	AREAS			CTION	COOLING COIL SELECTION	COOLING		ľ
-10,336 100.00	-1,187	Grand Total ==>	24,170 100.00	100.00	46,507	3,703	32,154	Grand Total ==>
		Supply Air Leakage		00	00	0		Supply Air Leakage
0 0		Inderlir Sun Ht Dkun		00	00	c		Underfir Sun Ht Pkun
		Additional Reheat		0 0	o C	00		Ret. Fan Heat
		RA Preheat Diff.		0	0).		Sup. Fan Heat
		OA Preheat Diff.		0	01	0		Exhaust Heat
0.00	c	Exhaust Heat	0) (o C		0	Ov/Undr Sizing
	> 0	Auf Air Hairs Heat		0 0	o c		c	Auj All Trails Treat
	0 1	Adi Air Trans Heat		0 0	0,0	(5 0	di Air Trans Heat
~	0	Ventilation Load	0.00	3 0	10 649	0.0	0.0	Ventilation Load
0 0.00	-392	Ceiling Load	1 227	0	o	-1 315	٦ ٦ ٦	Ceiling Load
0.00	c	Sub lotal ==>	21,5/0	0/	31,200	1,090	0/0,87	SUD O[8] ==>
	0	D. F. Tartel and		2 (2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	606	20 670	0 + 1
0.00	0	Misc	6.785 28	5	6.785	0 (6.785	Misc
0	0	People		34	16 000	0	16,000	People
	0	Lights	6 785 28	18	8 481	1.696	6 785	Lights
		Internal Loads						nternal Loads
-2,291 22.1	-795	Sub Total ==>	1,373 6	10	4,592	3,322	1,269	Sub Total ==>
0 0.00	0	Infiltration	0	0	0		0	Infiltration
0 0.00	0	Adjacent Floor	0	0	0	0	0	Adjacent Floor
0 0.00	0	Floor	0 0	0	0		0	Floor
	0	Partition/Door	0	0	0		0	Partition/Door
-987 9.5	-795	Wall Cond		ω	1,565	295	1,269	Wall Cond
0	0	Glass/Door Cond		0	0	0	0	Glass/Door Cond
	0	Glass Solar		0	0	0	0	Glass Solar
-1,304 12.6	0	Roof Cond	0	7	3,027	3,027	0	Roof Cond
	0	Skylite Cond		0	0	0	0	Skylite Cond
0 0.00	0	Skylite Solar		0	0	0	0	Skylite Solar
		Envelope Loads		1,-1			1	nyelone I pads
Btu/h (%)					Btu/h	Btu/h	Btu/h	
Tot Sens Of Total			Sensible Of Total		Total O	Sens. + Lat	Sens. + Lat.	Sens
Coil Peak Percent	ce Peak		Space Percent	Not Porcent	No.	Planim	Space	
				-	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		2000000	
Design	Mo/Hr: Heating Design OADB: 32		Mo/Hr: 9 / 17 OADB: 90	19	Mo/Hr: 8 / 17 VB/HR: 93 / 78 / 119	OADB/WB/HR:	Air.	Peaked at Time: Outside Air
EAN	HEATING COIL PEAK			כרפ		COOLING COIL PEAK	LING	
				2	•	201		

Dataset Name:	Project Name:
GPM.trc	Praise and Worship Ministries

Main Clg Aux Clg Opt Vent

3.9 0.0

46.5 0.0

31.6 0.0 0.0

0 0 0 0

81.7 67.2 0.0 0.0 0.0 0.0

76.9 0.0

53.0 51.8 0.0 0.0 0.0 0.0

55.5 0.0 0.0

Floor

Main Htg Aux Htg Preheat

-10.3 0.0 0.0

986 61.7 0 0.0 0 0.0

71.1 0.0 0.0

Int Door ExFir Roof Wall Ext Door

000

Humidif Opt Vent Total

00

0.0

994 0 0 0 994 399 0

Total

46.5

Room Checksums By Trial

Sanctuary Zone 3

COOLING COIL PEAK COOLING COIL PEAK Temperature Space Peak Cooling Peak Cooling Peak Cooling Peak	2010				,			(C.)			CONTRACTOR PROPERTY.		
COLIL PEAK CLG SPACE PEAK Mohrt: 6/18 Mohrt: Heating Design Mohrt: 6/18 Mohrt: Heating Design Mohrt: Heating Des	7.14				4	Ciario Cari	100.00	10,101		11,000	0,000	06,000	Glatin Lotal
COUIL PEAK CLG SPACE PEAK HEATING COIIL PEAK TEMPERATURES		No. People	100.00		-3.419	Grand Total ==>	100.00	25 791	100 00	47 658	3 960	32 895	Grand Total ==>
COUIL PEAK CLG SPACE PEAK CLG SPACE PEAK COUIL PEAK North: Heating Design CADBWBHR: 93/78/119 CA		Btu/hr-ft ²											
MorPHIS MorP	198.41		0.00	0		Supply Air Leakage			0	0	0		Supply Air Leakage
MoHr. 8/17	264.89	_	0.00	0	3	Underfir Sup Ht Pkup			0	0			Underfir Sup Ht Pkup
Mol/Hr. 8/17			0.02	-100		System Plenum Heat			0	0	0		Duct Heat Pkup
MoPHT: 8/17		% CA	0.00	200		Additional Reheat			0	0	0		Ret. Fan Heat
MoHr. 8/17 MoHr. 6/18 MoH			0.00	0		RA Preheat Diff.			0	0			Sup. Fan Heat
MoHr. 8/17 MoHr. 8/17 MoHr. 6/18 MoHr. 6/18 MoHr. 6/18 MoHr. 6/18 MoHr. 6/18 MoHr. 6/18 Sadb S	nolina Loatina	,	0.00	0		OA Preheat Diff.			0	0	0		Exhaust Heat
COOIL PEAK CLG SPACE PEAK HEATING COIL PEAK TEMPERATURES COOIL PEAK TEMPERATURES CADBWBHR: 93 / 78 / 119 CADBS: 918 C	RING CKS	ENGINEER	0.00	0		Exhaust Heat	0	0	0	0		0	Ov/Undr Sizing
MOHTE 117 MOHTE 118			0.00	0	0	Ov/Undr Sizing			0	0			Dehumid. Ov Sizing
MoHr: 8/17 MoHr: 9/3/78/119 MoHr: 9/3/78/119 MoHr: 9/3/78/119 MoHr: 9/3/78/119 MoHr: Heating Design			C	C	0	Adj Air Trans Heat	_	0	0	0		0	Adj Air Trans Heat
ModPlace	c	Leakage Ups	02.17	-8,046	c	Ventilation Load	-	0	23	10,804	0	0	Ventilation Load
Mo/Hr: 93 / 78 / 119	0 0	Leakage Dwn	0.00	,	-384	Ceiling Load	-	1,100	0	0	-1,082	1,082	Ceiling Load
Moth: 8/17	0 0	Auxiliary)	•									
MoMHR: 8117 MoMHR: 93 / 78 / 119 MoMR: 93 / 92 / 119 Mom Vent 190 / 1		TAM EXN	0.00	0	0	Sub Total ==>	72	18,508	58	27,603	1,345	26,258	Sub Total ==>
COIL PEAK CLG SPACE PEAK MoHr: 8/17 MoHr: 8/18 MoHr: 8/17 MoHr: 8/18 MoHr: 8/17 MoHr: 93/78/119 MoHr: Heating Design Sace Peak MoHr: Heating Design Sace Peak Coil Peak Percent Return 79.3 Rappendix Sace Sens Tot Sens of Total Sensible Of Total Shuth (%) Shuth Cool Skylite Solar MoHr: Heating Design MoHr: Heating Design Sace Sens Tot Sens of Total Return 79.3 Rappendix		Exnaust	0.00	c	c	Misc	21	5,379	11	5,379	0	5,379	
Mo/Hr: 8/17		7000		o c	o c	reopie	30	1,/50	33	15,500	c	15,500	People
Mo/Hr: 8/17		Deturb		0 0	o c	Lights	2 -	5,3/9	4 6	6,724	1,345	5,3/9	
Mo/Hr: 8/17	0	MinSton/Ph	3	>	0	- - -	2	100		0		1	Loaus
Mo/Hr: 8/17		Infil				Internal Loads							atomol I pada
MG COIL PEAK CLG SPACE PEAK HEATING COIL PEAK TEMPERATURES Mo/Hr: 8 / 17 OADBWB/HR: 93 / 78 / 119 Mo/Hr: 6 / 18 OADB: 93 Mo/Hr: Heating Design OADB: 32 Cooling Heat Mo/Hr: Heating Design OADB: 32 Cooling Heat Mo/Hr: Heating Design OADB: 32 Space Peak SADB Cooling Heat SADB SaDB SAD		AHU Vent							j		0	0,00	000
MG COIL PEAK CLG SPACE PEAK HEATING COIL PEAK TEMPERATURES Mo/Hr: 8/17 OADBWB/HR: 93/78/119 Mo/Hr: 6/18 OADB: 93 Mo/Hr: Heating Design OADB: 93 Cooling Hea Mo/Hr: Heating Design OADB: 32 Cooling Hea SADB Cooling Hea SADB SADB S3 ace Plenum Net Percent Lat. Sens. + Lat Space Percent Total Of Total Btu/h Space Peak Btu/h Coil Peak Percent Btu/h Return 79.3 Ra Plenum Ra Plenum 79.3 Ra Plenum Return 79.3 Ra Plenum Return 79.3 Ra Plenum Fin MitTD 0.0 0.0 Fin BidTD 0.0 Fin Frict 0.0 0.0 0.0 Fin Frict 0.0 0.0 0.0 0.0 0.0		Nom Vent	37.01	4,789	-3,036	Sub Total ==>	24	6.184	19	9 252	3 697	5 554	Sub Total ==>
MG COIL PEAK CLG SPACE PEAK HEATING COIL PEAK TEMPERATURES Mo/Hr: 8/17 OADBWB/HR: 93/78/119 Mo/Hr: 6/18 OADB: 93 Mo/Hr: Heating Design OADB: 32 Cooling Heating Design OADB: 32 Cooling Heating Design OADB: 32 Sandb	0	Sec Fan	0.00	0	0	Infiltration	0	0	0	0		0	Infiltration
MG COIL PEAK CLG SPACE PEAK HEATING COIL PEAK TEMPERATURES Mo/Hr: 8/17 OADBWB/HR: 93/78/119 Mo/Hr: 6/18 OADB: 93 Mo/Hr: Heating Design OADB: 32 Cooling Heating Design OADB: 32 Cooling Heating Design OADB: 32 Cooling Heating Design SADB SADB 53.0 SADB SADB S3.0 SADB AADB SADB S3.0 SADB SADB SADB<		main Fan	0.00	0	0	Adjacent Floor	0	0	0	0	0	0	Adiacent Floor
MG COIL PEAK CLG SPACE PEAK HEATING COIL PEAK TEMPERATURES MO/Hr: 8/17 OADBWB/HR: 93/78/119 Mo/Hr: 6/18 OADB: 93 Mo/Hr: 6/18 OADB: 93 Mo/Hr: Heating Design OADB: 32 Cooling Heating Design OADB: 32 Cooling Heating Design OADB: 32 Sandb 53.0 Sandb 53.0 Sandb 79.3 Return 79.2 Fn MitTD 0.0 <		Terminal	0.00	0	0	Floor	0	0	0	0		0	Floor
MG COIL PEAK CLG SPACE PEAK HEATING COIL PEAK TEMPERATURES Mo/Hr: 8/17 OADBWB/HR: 93/78/119 Mo/Hr: 6/18 OADB: 93 Mo/Hr: Heating Design OADB: 32 Cooling Heating Design OADB: 32 Same Fercent Souling Heating Design OADB: 32 Ra Plenum 79.3 Ra Plenum 79.3 Ra Plenum 79.3 Ra Plenum 79.3 Return 79.3		Dilluser	0.00	0	0	Partition/Door	0	0	0	0		0	Partition/Door
Mo/Hr: 8/17 OADBW/B/HR: 93/78/119 Mo/Hr: 6/18 OADB: 93 Mo/Hr: Heating Design OADB: 93 Mo/Hr: Heating Design OADB: 32 Cooling H Mo/Hr: Heating Design OADB: 32 Cooling H SADB Cooling H SADB Cooling H SADB Cooling H SADB SADB 53.0 Ra Plenum Cooling H SADB SADB 53.0 Ra Plenum Ra Plenum 79.3 Ra Plenum Return 79.3 Return Return 79.3 Return Return 79.3 Return Fin MtrTD 0.0 Fin BidTD 0.0 Fin Frict 0.0 Fin Frict 90.0 Fin Frict Mo/Hr: Heating Design SADB 53.0 Ra Plenum 79.3 Return Return 79.3 Return Return 79.3 Return Return 79.3 Return Fin MtrTD 0.0 Fin Frict 0.0 Fin Frict <t< td=""><td></td><td></td><td>29.08</td><td>-3,764</td><td>-3,036</td><td>Wall Cond</td><td>24</td><td>6,184</td><td>14</td><td>6,856</td><td>1,302</td><td>5.554</td><td>Wall Cond</td></t<>			29.08	-3,764	-3,036	Wall Cond	24	6,184	14	6,856	1,302	5.554	Wall Cond
Mo/Hr: 8/17			0.00	0	0	Glass/Door Cond	0	0	0	0	0	0	Glass/Door Cond
Mo/Hr: 8/17	SWO	AIRFL	0.00	0	0	Glass Solar	0	0	0	0	0	0	Glass Solar
Mo/Hr: 8/17			7.92	-1,025	0	Roof Cond	0	0	CT (2.395	2.395	0 (Roof Cond
MO/Hr: 8/17 OADBWB/HR: 93 / 78 / 119 OADB: 93 OADBWB/HR: 93 / 78 / 119 OADB: 93 OADBWB/HR: 93 / 78 / 119 OADB: 93 OADBWB/HR: Heating Design OADB: 32 OADB: 32 OADBWB/HR: Heating Design OADB: 32 OADBWB/HR: Heating Design OADB: 32 OADB 53.0 OADBWB/HR: Heating Design OADB: 32 OADB: 32 OADBWB/HR: Heating Design OADB: 32 OADB: 32 OADBWB/HR: Heating Design OADB: 32 OADB: 32 OADB 53.0 OADBWB/HR: Heating Design OADB: 32 OADB: 32 OADBWB/HR: Heating Design OADB: 32 OADB: 32 OADB: 32 OADBWB/HR: Heating Design OADB: 32 OAD			0.00	0	0	Skylite Cond	0	0	0	0	0	0	Skylite Cond
MO/Hr: 8/17 OADBWB/HR: 93 / 78 / 119 Tetu/h Btu/h Btu/h CLG SPACE PEAK CLG SPACE PEAK COOIL PEAK COOIL PEAK HEATING COIL PEAK Mo/Hr: Heating Design OADB: 32 OADB 32 Sace Plenum Net Percent Space Percent Space Percent Space Percent Space Peak Space Sens Btu/h		Fn Frict	0.00	0	0	Skylite Solar		0	0	0	0	0	Skylite Solar
MO/Hr: 8/17 OADBWB/HR: 93 / 78 / 119 OADB: 93 OADBWB/HR: Heating Design OADB: 32 Ra Plenum Space Peak Space Peak Coil Peak Percent Ra Plenum 79.3 ace Plenum Net Percent Space Percent Lat. Sens. + Lat Total Of Total Sensible Of Total Ret//h Ret//h Space Sens Tot Sens Of Total Space Sens Tot Sens Of Total Ret//h		Fn BIdTD	1			Envelope pads			(0/)		D(0/1	מינו	100000000000000000000000000000000000000
Mo/Hr: 8 / 17 OADBWB/HR: 93 / 78 / 119 OADBWB/HR: Space Percent Space Plenum Net Percent Space Pens, + Lat Total Of Total CLG SPACE PEAK Mo/Hr: 6 / 18 OADB: 93 Cooling OADB: 32 Cooling OADB: 32 SADB SADB SADB SADB 79.3 Ra Plenum 79.3 Space Sens Tot Sens Of Total Ret/OA 81.7		Fn MtrTD	(%)	Btu/h	Btu/h		(%)		(%)		Rtı./h	D+1./5	
WG COIL PEAK CLG SPACE PEAK Mo/Hr: 8 / 17 Mo/Hr: 6 / 18 OADBWB/HR: 93 / 78 / 119 OADB: 93 OADBWB/HR: 93 / 78 / 119 OADB: 93 Space Plenum Net Percent Space Percent Space Percent Space Peak Coil Peak Percent Return 79.3		Ret/OA	f Total	Tot Sens O	Space Sens		Of Total		of Total		Sens. + Lat	+ Lat.	Sens.
NG COIL PEAK CLG SPACE PEAK Mo/Hr: 8 / 17 Mo/Hr: 6 / 18 OADBWB/HR: 93 / 78 / 119 OADB: 93 CLG SPACE PEAK Mo/Hr: Heating Design Cooling SADB 53.0 Cooling SADB 79.3		Return	ercent	Coil Peak P	Space Peak		Percent		Percent		Plenum	Space	
VG COIL PEAKCLG SPACE PEAKHEATING COIL PEAKTEMPERATURINGMo/Hr: 8 / 17Mo/Hr: 6 / 18Mo/Hr: Heating DesignCoolingOADBWB/HR: 93 / 78 / 119OADB: 93OADB: 32		Ra Plenum					1						
AG COIL PEAK CLG SPACE PEAK HEATING COIL PEAK TEMPERATUR				eating Design 2	OADB: 3		33	OADB: S	119	tr: 8 / 17 R: 93 / 78 /	Mo/F	Air:	Peaked at Time: Outside Air
CLG SPACE PEAK HEATING COIL PEAK				: i			-						
	TURES	TEMPER		OIL PEAK	HEATING CO		PEAK				OI DEAK	E C	200

			Opt Vent 0.0			Total Capacity ton MBh	
		47 7	0.0	0.0	47.7		C
			0.0	0.0	32.8	otal Capacity Sens Cap. Coil Airflow ton MBh MBh cfm	COOLING COIL SELECTION
			0	0	1,052	irflow cfm	LSELE
			0.0 0.0	0.0 0.0	81.7 66.9	Enter DB/W	CTION
			0.0	0.0	75.3	yB/HR gr/lb	
			0.0 0.0	0.0 0.0	53.0 52.1	Leave DB/WB/HR °F °F gr/lb	
			0.0	0.0	56.5	VB/HR gr/lb	
Ext Door	Wall	Roof	Int Door	Part	Floor	Gross Total	
٩						٠,	
0	1,524	788 788	0	0	788	Total	AREAS
0 0	1,524 0	0 788 0	0	0	788		AREAS
0 0 0	1,524 0 0	788 0 0				Total Glass	AREAS
or 0 0 0 Total	1,524 0 0 Opt Vent	788 0 0 Humidif		0 Aux Htg		Glass	AREAS HEATI
0 0 0	0	0 0 Humidif		Aux Htg	Main Htg	Glass	HEATING COI
0 0 0 Total	0 0 Opt Vent	0 0 Humidif 0.0 0	Preheat 0.0 0	Aux Htg	Main Htg -12.9 1,052	Glass Cap	AREAS HEATING COIL SELECTION

GPM.trc Praise and Worship Ministries

Project Name: Dataset Name:

TRACE® 700 v6.2.6 calculated at 02:31 PM on 09/15/2010

Room Checksums By Trial

Total	Main Clg Aux Clg Opt Vent		Grand Total ==>	Underfir Sup Ht Pkup Supply Air Leakage	Sup. Fan Heat Ret. Fan Heat Duct Heat Pkup	Ov/Undr Sizing Exhaust Heat	Ceiling Load Ventilation Load Adj Air Trans Heat	Sub Total ==>	Lights People Misc	Internal Loads	Infiltration Sub Total ==>	Floor Adjacent Floor	Glass/Door Cond Wall Cond Partition/Door	Roof Cond Glass Solar	Skylite Solar	1	Pe	
0.2	0.2 0.0	Total Capacity	 	Ht Pkup eakage	at at	ing at	oad s Heat	Ÿ		ds	∜	or s	Cond		ads	Sens.	Peaked at Time: Outside Air:	COO
2.8		- E	2,195			0	150 0 0	887	887 0		0 1,158	00	1,158	000	00	Space Sens. + Lat. So Btu/h		LING CC
		~ 67	608	0	00	0	-150 0	222	222 0		536	0	271	265 0	00	Plenum Sens. + Lat Btu/h	Mo/Hr: 9 / 13 OADBWB/HR: 90 / 73 / 95	COOLING COIL PEAK
	0003	ښا	2,803 1	00	000	000	0000	1,109	1,109 0 0		1,694	00	1,429	265	00	Net Percent Total Of Total Btu/h (%)	9 / 13 90 / 73 / 95	
	°F °F gr/lb 78.6 58.4 40.5 0.0 0.0 0.0 0.0 0.0 0.0	CTION Enter DE	100.00	00	000	000	000	40	000		80	00	0 1 0	000	00	Percent Of Total (%)		2
			2,195			0	150 0 0	887	887 0		0 1,158	00	1,158 0	000	00	Space P Sensible O Btu/h	Mo/Hr: 9 / 13 OADB: 90	CLG SPACE PEAK
	°F °F 55.0 47.6 0.0 0.0 0.0 0.0	Leave D	100.00			0	007	40	000		53	00	53	000	00	Percent Of Total (%)	713	PEAK
	°F °F gr/lb 55.0 47.6 37.2 0.0 0.0 0.0 0.0 0.0 0.0	B/WB/HR	Grand Total ==>	Underfir Sup Ht Pkup Supply Air Leakage	RA Preheat Diff. Additional Reheat System Plenum Heat	Exhaust Heat OA Preheat Diff.	Ceiling Load Ventilation Load Adj Air Trans Heat	Sub Total ==>	Lights People Misc	Internal Loads	Infiltration Sub Total ==>	Floor Adjacent Floor	Wall Cond Partition/Door	Roof Cond Glass Solar	Skylite Solar Skylite Cond			
Roof Wall Ext Door		Gross	 	p Ht Pkup _eakage	Diff. Reheat num Heat	Diff.	Load s Heat	==>		ds	∜	loor	001		ar s			_
380 0	130	AREAS s Total	-823			c	0 0 0 7	0	000		-756	00	-756 0	000	00	Space Peak Space Sens Btu/h	Mo/Hr: Heating Design OADB: 32	HEATING CO
000	ft ² (%)	Glass	-1,002								-1,106		-9	7		Coil Peak Tot Sens Btu/h	eating Des 2	COIL PEAK
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Dataset Name: Project Name:

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	Total	Opt Vent	Main Clg Aux Clg		Grand Total ==>	Underfir Sup Ht Pkup Supply Air Leakage	Sup. Fan Heat Ret. Fan Heat Duct Heat Pkup	Ov/Undr Sizing Exhaust Heat	Adj Air Trans Heat	Ceiling Load	Sub Total ==>	People Misc	Lights	Internal Loads	Sub Total ==>	Adjacent Floor	Floor	Wall Cond	Glass Solar	Skylite Cond	Skylite Solar	1			Peak	
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		0.0	3.1 0.0	COOLING COIL Sens Cap. Coil Air MBh	704	0	00	0	c	-170	222	00	222		651	0		304	24.0	200	0	Btu/h	Plenum Sens. + Lat	OADB/WB/HR: 90 / 74 / 99	Mo/Hr	COOLING COIL PEAK
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			55.0 47.6 0.0 0.0	Leave D	100.00	-0-16		0	0 (07	38	00	38		55	00	00	55	000	00	0	(%)	Percent Of Total	90	9/17	PEAK
				Leave DB/WB/HR °F °F gr/lb	Grand Total ==>	Supply Ai	Additional Reheat System Plenum H	Exhaust Heat OA Preheat Diff	Adj Air Trans Heat	Ceiling Load Ventilation Load	Sub Total ==>	People Misc	Lights	Internal Loads	Sub Total ==>	Adjacent Floor	Floor	Wall Cond	Glass Solar	Skylite Cond	Skylite Solar					
Ext Door	Roof	Int Door	Floor		tal ==>	Underfir Sup Ht Pkup Supply Air Leakage	Additional Reheat System Plenum Heat	Heat at Diff.	ans Heat	oad n Load	'al ==>			oads	ha/ ==>	nt Floor	ND001	Wall Cond	olar	Cond	Solar					
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	00	ָ ס		(%)	-1,000	00	1000	000	00	00	0	00	0		-1,106	00	00	-937	000	180	0	Btu/h	Coil Peak Percent Tot Sens Of Total	·)esian	X
Total	Humidif Opt Vent	Preheat	Main Htg Aux Htg	HEA	100.00	0.00	-10.61	800	000	0.00	0.00	0.00	0.00		110.61	0.0	0.00	93.70	200	0.00	0.00	(%)	Coil Peak Percent Tot Sens Of Total	9		
-1.0	0.0	0.0	-1.0 0.0	HEATING COIL SELECT CapacityCoil Airflow MBh cfm	No. People	cfm/ton ft²/ton Btii/hr:ff²		ENGINEERING	9	Leakage Dwn	Rm Exh	Return	MinStop/Rh	AHU Vent Infil	Nom Vent	Main Fan	Terminal	Diffuser	AIRF		Fn Frict	Fn MtrTD	Return	SADB Ra Plenum		TEMPE
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Dataset Name: Project Name: Praise and Worship Ministries GPM.trc

TRACE® 700 v6.2.6 calculated at 02:31 PM on 09/15/2010 Alternative - 1 System Checksums Report Page 5 of 5

Inst. Number: 201112003799 Book: 1211 Page: 610 Date: 3/14/2011 Time: 1:54:41 PM Page 1 of 1

	Dt.p.DeWitt Cason,Columbia County Page 1 of 1 8:1211 P:610
NOTICE OF COMMENCEN	
Tax Parcel Identification Number _	5-6S-17-09683-000 County Clerk's Office Stamp or Seal
	s notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the mation is provided in this NOTICE OF COMMENCEMENT.
Description of property (legal de a) Street (lob) Address:	COMM SE COR OF NE1/4 OF NW1/4, RUN W 15.12 FT TO W R/W US-41 FOR POB, CONT W 194.88 FT, N 420 FT, E 293.93 **Scription**): FT TO E R/W US-41, RUN SW ALONG R/W 431.25 FT TO POB. (A PART OF NE1/4 OF NW1/4 & NW1/4 OF NE1/4) DRB 15880 S US Highway 441 787-1474, 787-1477, 848-1419, WD 1037-1851.
2. General description of improvem	ents: Interior buildout of Fellowship Hall
3. Owner Information	
L) 111111 1011 11011 11011	Grace & Praise Ministries 15880 S US Hwy 441 Lake City, FL 32024
b) Name and address of f	ee simple titleholder (if other than owner)
4. Contractor Information	
a) Name and address:	W. W. Gay Mechanical Contractor, Inc. 524 Stockton Street Jacksonville, FL 32204
5. Surety Information	(904) 388-2696 Fax No. (Opt.) (904) 394-7944
a) Name and address:	
b) Amount of Rond:	Fax No. (Opt.)
6. Lender	Fax No. (Opt.)
a) Name and address:	THE RESIDENCE OF THE PROPERTY
Identity of person within the Stat	e of Florida designated by owner upon whom notices or other documents may be served.
a) Name and address:	Fax No. (Opt.)
o) receptivite (vo.,	rax No. (Opt.)
Florida Statutes:	ignates the following person to receive a copy of the Licnor's Notice as provided in Section 713.13(I)(b),
b) Telephone No.:	Fax No. (Opt.)
	amencement (the expiration date is one year from the date of recording unless a different date
COMMENCEMENT ARE CONSTATUTES, AND CAN RESULT COMMENCEMENT MUST BE	PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF SIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, VI.ORIDA IT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND ISULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING CEMENT.
STATE OF FLORIDA COUNTY OF COLUMBIA	Signature of Owner's Authorized Office/Director/Partner/Manager Gary M. Hodge Print Name
The foregoing instrument was acknow	eledged before me, a Florida Notary, this 8th day of March 20 11 by:
Gary M. Hodge	as Director (type of authority, e.g. officer, trustee, strormey
fact) for Grace & Praise	
Personally Known X OR Produce	Notary Public, State of Florida
Notary Signature Margare	My Comm. Expires July 14, 2011 Comm. No. DD 683666
11. Verification pursuant to Section facts stated in it are true to the	on 92.525, Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the best of my knowledge and belief. Signature of Natural Person Signing in line #10 above.)

COLUMBIA COUNTY ST. 2006 FIRE DESCRIPTION

COLUMBIA COUNTY FIRE RESCUE

P.O. BOX 1529 Lake City, Florida 32056 Office (386) 754-7071 Fax (386) 754-7064

Division Chief David L. Boozer COUNTY BUILDING OF Received of FILE COPY INTO COMPLIANCE STAMINER

08 April 2011

TO:

Troy Crews

Columbia County Building And Zoning

FROM:

David L. Boozer

Division Chief / Fire Marshal

RE:

Application #1103-15

Grace & Praise Church

15889 S. US 441 Lake City, Florida

A Plans review was performed of the Grace & Praise Church Fellowship Hall. This building was classified under Chapter 12 (New Assembly) of the Florida Fire Prevention Code, 2007 Edition. In calculating the Occupant Load Factor, it was understood that tables and chairs would be its primary use, thus placing it into the Less Concentrated use, without fixed seating with a value of 15 square ft. net per person. Which, insures a seating capacity of 300 or less. Should there be any changes to said classification or should the occupancy of the building exceed 300 occupants, our agency will need to reassess the building and its use. I recommend approval.

Should you require any additional information, please feel free to contact my office.

Sincerely,

David L. Boozer

David L. Boger



Columbia County BUILDING DEPARTMENT

MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR THE FLORIDA BUILDING CODE, FLORIDA PLUMBING CODE, FLORIDA MECHINICAL CODE, FLORIDA FUEL AND GAS CODE 2007 EFFECTIVE 1 MARCH 2009 & 2009 SUPPLEMENTS EFFECTIVE 1 MARCH 2009 with Supplements and Revision OF THE NATIONAL ELECTRICAL 2008

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

COMMERCIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST

ALL BUILDING PLANS MUST INDICATE COMPLIANCE WITH THE CURRENT FLORIDA BUILDING CODES. ALL PLANS OR DRAWING SHALL PROVIDED CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION.

FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER FBC FIGURE 1609 STATE OF FLORIDA WIND-BORNE DEBRIS REGION & BASIC WIND SPEED MAP

	GENERAL REQUIREMENTS:	Each C	s to Incl Box sha ircled a pplicable	all be
1	All drawings must be clear, concise and drawn to scale, details that are not used shall be marked void.	YES	NO	N/A
2	If the design professional is an architect or engineer legally registered under the laws of this state regulating the practice of architecture as provided for in Chapter 481, Florida Statutes, Part I, or engineering as provided for in Chapter 471, Florida Statutes, then he or she shall affix his or her official seal to said drawings, specifications and accompanying data, as required by Florida Statute.	VES	NO	N/A
3	The design professional signature shall be affixed to the plans	YES	NO	N/A
4	Two (2) complete sets of plans with the architecture or engineer signature and the date the affix tembossed official seal was placed on the plans	(VES)	NO	N/A

Two (2) complete sets of plans containing the following information:

		Buildi	ng Site Pl	an Requir	ements				Each	Box ircle	nclude- shall be ed as cable
4	Parking, including provi	sion FBC cl	hapter 11 fo	or the requir	ed accessib	le parking s	site		Yes	No	(N/A
5	Fire access, showing all	drive way v	vhich will b	e accessible	e for emerge	ency vehic	les		Yes	No	C-425
6	Driving/turning radius o	f parking lo	ts						Yes	No	QUA
7	Vehicle loading include								Yes	No	
8	Nearest or number of on								Yes	No	NA
9	Set back of all existing of separation including assi	amed proper	rty lines				15)		Yes	No	N/A
10	Location of specific tank drain fields	s(above or	under grow	n ,water lin	es and sew	er lines and	septic tank	and	Yes	No	OR.
11	All structures exterior vi	ews include	finished fl	oor elevatio	m				Yes	No	NIA
12	Total height of structure								Yes	No	NA
	Occupancy group use circle all uses:	Group B	Group E	Group F	Group H	Group I	Group M	Group R	Grou S	ıp	Group U D
13	Special occupan	cy requirem	ents.						Yes	No	O NA
14	Incidental use ar			e for each r	oom of use	area)			Yes	No	N/A
	Mixed occupanc	ies							Yes	No	
15	REQUIRED SE	PARATION	OF OCCU	JPANCIES .	IN HOURS	S FBC TAB	LE 302.3.2		Yes	No	
		-							tyne F	BC 6	02
16	Minimum type o	of permitted	u construct	tun by cuu	c ini necup	ranky use t	is pic the po	nati action	I LY DE L	The Cal	18 44

18	Fire-resistant separations	Yes	No	GLA
19	Fire-resistant protection for type of construction	Yes	No	NOR
20	Protection of openings and penetrations of rated walls	Yes	No	NOR
21	Protection of corridors and penetrations of rated walls	Yes	No	8
22	Fire blocking and draftstopping and calculated fire resistance	Yes	No	VIR
	Fire suppression systems shall be shown include:		throught-	COVE TO SE
23	Early warning smoke evacuation systems Schematic fire sprinklers Standpipes	Yes	No	QUA
24	Standpipes	Yes	No	WA
25	Pre-engineered systems	Yes	No	COLR
26	Riser diagram	Yes	No	(N/A)
	Life safety systems shall be shown include the following requirements:			NEW YORK
27	Occupant load and egress capacities	Yes	No	(N/A
28	Early warning	Yes	No	MA
29	Smoke control	Yes	No	COLK
30	Stair pressurization	Yes	No	(FLA
31	Systems schematic	Yes	No	MA
	Occupancy load/egress requirements shall be shown include:			
32	Occupancy load	Yes	No	N/A
33	Gross occupancy load	Yes	No	N/A
34	Net occupancy load	Yes	No	N/A
35	Means of egress	Yes	No	N/A
36	Exit access	Yes	No	N/A
37	Exit discharge	Yes	No	N/A
38	Stairs construction/geometry and protection	Yes	No	N/A
39	Doors	Yes	No	N/A

6-26-09

				0 20 07
40	Emergency lighting and exit signs	Yes	No	SHA
41	Specific occupancy requirements	Yes	No	OVA
42	Construction requirements	Yes	No	(N/A)
43	Horizontal exits/exit passageways	Yes	No	ATA

Items to Include-Each Box shall be Circled as Applicable

		Appli	cable	O COMP
1.11	Structural requirements shall be shown include:	De la contrata	Market I	
44	Soil conditions/analysis	Yes	No	SHR
45	Termite protection	Yes	No	NIA
46	Design loads	Yes	No	MA
47	Wind requirements	Yes	No	NIA
48	Building envelope	Yes	No	(N/A
49	Structural calculations (if required)	Yes	No	N/A
50	Foundation For structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an grounding electrode system. Per the National Electrical Code article 250.52.3	Yes	No	(N/A
51	Wall systems	Yes	No	XIA
52	Floor systems	Yes	No	NIA
53	Roof systems	Yes	No	OUR
54	Threshold inspection plan	Yes	No	NIA
55	Stair systems	Yes	No	(N/A
	Materials shall be shown include the following	with the same of		
56	Wood	(Yes)	No	N/A
57	Steel	Yes	No	N/A
58	Aluminum	Yes	No	N/A
59	Concrete	Yes	No	N/A
60	Plastic	Yes	No	N/A
61	Glass	Yes	(No)	N/A
62	Masonry	Yes	(No	N/A
63	Gypsum board and plaster	(Yes)	No.	N/A
64	Insulating (mechanical)	(Yes)		N/A
65	Roofing	Yes	No	N/A
66	Insulation	(FES)	No	N/A
-	Accessibility requirements shall be shown include the following	10.00	110	14//
67	Site requirements	Yes	No	MA
68	Accessible route	Yes	No	WA
69	Vertical accessibility	Yes	No	QIA
70	Toilet and bathing facilities	FEE	No	N/A
71	Drinking fountains	Yes	do	N/A
72	Equipment	Yes	No	NIA
73	Special occupancy requirements	Yes	No	OVIA
74	Fair housing requirements	Yes	No	(N/A)
TEN.	Interior requirements shall include the following		I NEOUE	
75	Review required by the Columbia County Fire Department Items 75 Th 80 Interior finishes (flame spread/smoke development)	(es)	No	N/A
76	Light and ventilation	(Yes	No	N/A
77	Sanitation	Yes	No	(N/A
	Special systems		FOR DES	
78	Elevators	Yes	No	N/A
79	Escalators	Yes	0	N/A
80	Lifts	Yes	0	N/A
	Swimming pools			Marie Co.
81	Barrier requirements	Yes	No	N/A
82	Spas	Yes	(No	N/A
83	Wading pools	Yes	NO ON	N/A
	TI SAME PROM	100	0.0	TAITE

	Items to Include-Each Box shall be Circled as Applicable	STATE OF THE PARTY.		
	Electrical	Yes	No	N/A
34	Wiring	Yes	No	N/A
15	Services For structures with foundation which establish new electrical utility	CICS	140	13//
	companies service connection a Concrete Encased Electrode will be required			
	within the foundation to serve as an grounding electrode system.			
	Per the National Electrical Code article 250.52.3			
6	Feeders and branch circuits	Yes	No	N/A
7	Overcurrent protection	Yes	No	N/A
8	Grounding	(Vex	No	N/A
9	Wiring methods and materials	Ves	No	N/A
0	GFCIs	Yes	No	N/A
1	Equipment	(Yes)	No	N/A
2	Special occupancies	Yes	No	NA
3	Emergency systems	Yes	No	SHA
4	Communication systems	Yes	No	NA
5	Low voltage	Yes	No	OVA
6	Load calculations	Yes	No	XX
	Plumbing		3784	
7	Minimum plumbing facilities	(Tes	No	N/A
8	Fixture requirements	Œ	No	N/A
9	Water supply piping	Ces	No	N/A
00	Sanitary drainage	Ves	No	N/A
01	Water heaters	Yes	ND	N/A
02	Vents	(Figs	No	N/A
03	Roof drainage	Yes	No	N/A
04	Back flow prevention	Yes	No	(N/A)
05	Irrigation	Yes	No	N/A
06	Location of water supply line	Ves	No	N/A
07	Grease traps	Yes	No	N/A
08	Environmental requirements	Yes	No	OIA
09	Plumbing riser	Yes	No	WAD
10	Mechanical Energy calculations	Yes	No	N/A
11	Review required by the Columbia County Fire Department Items 111 Th 114	Yes	No	N/A
	Exhaust systems	(TES)		IN/A
12	Clothes dryer exhaust	Yes	No	N/A
13	Kitchen equipment exhaust	Yes	No	N/A
14	Specialty exhaust systems	Yes	No	N/A
15	Equipment location	W	NI.	MA
16	Make-up air Roof-mounted equipment	Yes	No No	N/A
		Yes		-
17	Duct systems Ventilation	Yes	No	N/A
18	Ventilation Laboratory	Yes	No)	N/A
19	Combustion air	Yes	(AD)	N/A
20		Yes	No	N/A
21	Chimneys, fireplaces and vents	Yes	No	N/A
22	Appliances Pollers	Yes	8	N/A
23	Boilers Refrigeration	Yes Yes	(A)	N/A N/A
24				

	Items to Include-Each Box shall be Circled as Applicable			
	Gas	- 120	_	
126	Review required by the Columbia County Fire Department Items 126 Th 134 Gas piping	Yes	(No	N/A
127	Venting	Yes	Olo	N/A
128	Combustion air	Yes	No	N/A
129	Chimneys and vents	Yes	No	N/A
130	Appliances	Yes	No	N/A
131	Type of gas	Yes	No	N/A
132	Fireplaces	Yes	No	N/A
133	LP tank location	Yes	No	N/A
134	Riser diagram/shutoffs	Yes	No	N/A
	Notice of Commencement	The Eith		
135	A recorded (in the Columbia County Clerk Office) notice of commencement is required to be on file with the building department. Before Any Inspections Will Be Done	(Ves)	No	N/A
	Disclosure Statement for Owner Builders	Yes	No	NIA

	Private Potable V	Vater	1,000	Links
136	Horse power of pump motor	Yes	No	N/A
137	Capacity of pressure tank	Yes	Nø	N/A
138	Cycle stop valve if used	Yes	No	N/A

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

139	Building Per Application	A current Building Permit Application form is to be completed and submitted for all construction projects. mit	Yes	No	N/A
140	Parcel Numb	The parcel number (Tax ID number) from the Property Appraiser is required. A copy of property deed is also requested. (386) 758-1084	Yes	No	N/A
141	Environmental Health Permit or Sewer Tap Approval	A copy of an approved Environmental Health (386) 758-1058 waste water disposal permit or an approved City of Lake City(386) 752-2031 sewer tap is required before a building permit can be issued. Toilet facilities shall be provided for construction workers	Yes	No	(N/A)
142	Driveway Connection	If the property does not have an existing access to a public road, then an application for a culvert permit must be made (\$25.00). Culvert installation for commercial, industrial and other uses shall conform to the approved site plan or to the specifications of a registered engineer. Use or joint use of driveways will comply with Florida Department of Transportation specifications. If the project is to be located on an F.D.O.T. maintained road, then an F.D.O.T. access permit is required.	Yes	No	MA
143	Suwannee River Water Management District Approval	All commercial projects must have an SRWMD permit issued or an exemption letter, before a building permit will be issued.	Yes	No	NIA

144	Flood Management	All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of section 8.8 of the Columbia County Land Development Regulations. Any project that is located within a flood zone where the base flood elevation (100 year flood) has not been established shall meet the requirements of section 8.7 of Columbia County Land Development Regulations. A development permit will also be required. The development permit cost is \$50.00	Yes	No	NA
145	Flood Management	A CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.	Yes	No	N/A
146	911 Address	If the project is located in an area where a 911 address has not been issued, then application for a 911 address must be applied for and received through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125	Yes	No	N/A)

Pursuant to Chapter one (administration) section R101.2.1 of the Florida Building Code: Section 105.3.2 **Time limitation of application**. An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

Pursuant to Chapter one (administration) section R101.2.1 of the Florida Building Code: Section 105.4.1 **Permit intent.** A permit issued shall be constructed to be a license to proceed with the work and not as authority to violate, cancel, alter or set aside any of the provisions of the technical codes, nor shall issuance of a permit prevent the building official from thereafter requiring a correction of errors in plans, construction or violations of this code. Every permit issued shall become invalid unless the work authorized by such permit is commenced within six months after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of six months after the time the work is commenced.

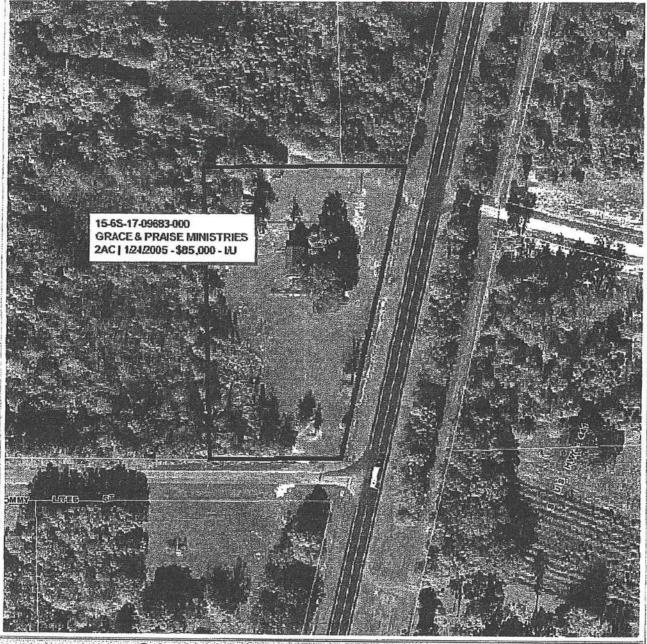
Section 105.4.1.1: If work has commenced and the permit is revoked, becomes null and void, or expires because of lack of progress or abandonment, a new permit covering the proposed construction shall be obtained before proceeding with the work.

Section 105.4.1.2: If a new permit is not obtained within 180 days from the date the initial permit became null and void, the building official is authorized to require that any work which has been commenced or completed be removed from the building site. Alternately, a new permit may be issued on application, providing the work in place and required to complete the structure meets all applicable regulations in effect at the time the initial permit became null and void and any regulations which may have become effective between the date of expiration and the date if issuance of the new permit.

Section 105.4.1.3: Work shall be considered to be in active progress when the permit has received an approved inspection within 180 days. This provision shall not be applicable in case of civil commotion or strike or when the building work is halted due directly to judicial injunction, order or similar process.

Section 105.4.1.4: The fee for renewal reissuance and extension of a permit shall be set forth by the administrative authority.

When the submitted application is approved for permitting the applicant will be notified by phone as to the date and time a building permit will be prepared and issued by the Columbia County Building & Zoning Department.



Columbia County Property Appraiser J. Doyle Crews - Lake City, Florida 32055 j 386-758-1083

PARCEL: 15-6S-17-09683-000 - SINGLE FAM (000100)

COMM SECOR OF HEIM OF HW 14, RUN W 15.12 FT TO W RW US-41 FOR POB. CONT W 194.88 FT, H 420 FT, E 293.93 FT TO E RW

	GRACE & PRAISE MINISTRIES			2009 Certified V	alues
Site:	15880 S US HIGHWAY 441			Land	\$22,572,00
Mail:	15860 US HIGHWAY 441 S			Bldg	\$27,951.00
	LAKE CITY, FL 32024			Assd	\$52,323.00
Sales	1/24/2005	\$85,000.00	110	Exmpt	\$52,323.00
Info	3/15/1994	\$13,500.00	1/0	Taxbi	Cnty: \$0 Other: \$0.1 Scht: \$0

This information. GIS fully Updated: 5/6/2010, was derived from data which was complied by the Columbia County Property Appraisar Office solely for the governmental purpose of property assessment. This information should not be refred upon by anyone as a determination of the expressible of property or market value. He was market, expressed or implied, are provided for the accuracy of the data herein. It is use, or it is interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraisact's office. The assessed values are HOT certified values and therefore are subject to change before being finalized for advances assessment purposes.



NOTES:

powered by: GrizzlyLogic.com



DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 10-0353E

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DH 4015, 10/96 (Replaces HRS-H Form 4015 which may be used (Stock Number: 5744-002-4015-6)

Page 2 of:

6. HARRY E. AND ALAINE BLACKMORE. LILC: Upper LEARNIN S: STORAGE K: Kindergarter Swamp AREA Attive building 3000 Store attached. 420.00 proposed NOTE: N 88°39'02"E NOT SHOWN BUILDING 210.00 CHURCH BLDG. MOOD 1-STORY 29.2' 111.3 41.1 NE'S OF NW'4 NW4 OF NE4 CENTER 110.2' 100.1 HLOON 293.93 LERA STRICKLAND 83.93 DRIVEWAY LANDS NONTH 365.84 TU.S. HWY 41 \$ 441)



COLUMBIA COUNTY FIRE RESCUE

P.O. BOX 1529 Lake City, Florida 32056 Office (386) 754-7071 Fax (386) 754-7064

06 October 2011

TO:

Troy Crews

Columbia County Building and Zoning

FROM:

David L. Boozer

Division Chief / Fire Marshal

RE:

Grace and Praise Ministries

A final Inspection was performed of the Grace and Praise Ministries located on South US 41/441. At the time of my inspection this building meets the requirements as set forth in Chapter 12, of the Florida Fire Prevention Code 2007 edition. I recommend occupancy.

Should you require any additional information, please feel free to contact my office.

Sincerely,

David L. Boozer

David L. Boger

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GARAGE DOOR

METAL BLDG ERECTOR

		S	UBCONTRACTOR VERIFICA	ATION FORM		
APPLICATION NUM	ABER 10		CONTRACTOR W.			
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F. S. 440.103 Building permits; identification of minimum premium policy.—Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

Contractor Forms: Subcontractor form: 6/09

Columbia County Building Permit Application

TIME LIMITATIONS OF APPLICATION: An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

<u>TIME LIMITATIONS OF PERMITS:</u> Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment: According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE: YOU ARE HEREBY NOTIFIED as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

OWNERS CERTIFICATION: I CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.

<u>NOTICE TO OWNER:</u> There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. It may be to your advantage to check and see if your property is encumbered by any restrictions.

CONTRACTORS AFFIDAVIT: By my signature I underst written statement to the owner of all the above writte this Building Permit including all application and per	,
Contractor's Signature (Permitee)	Contractor's License Number CGC1504951 Columbia County Competency Card Number Z
Affirmed under penalty of perjury to by the Contractor and	subscribed before me this 8 day of March 20 11.
Personally known X or Produced Identification Margaet a Franck State of Florida Notary Signature (For the Contractor)	MARGARET A. FRANCK Notary Public, State of Florida My Comm. Expires July 14, 2011 Comm. No. DD 683666

(Owners Must Sign All Applications Before Permit Issuance.)

OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE BUILDING PERMIT.

Columbia County Building Permit Application

For Office Use Only Application # 1103-15 Date Received 3/14/11 By 4/1 Permit # 2933 Z Zoning Official Date/3.04.11 Flood Zone X Land Use A-3 Zoning A-3
FEMA Map # N/A Elevation N/A MFE N/A River N/A Plans Examiner 7.C Date 9-11-1/
Comments Schools agrand with greving print for bld stell
NOC DEH Deed or PA Site Plan A State Road Info Dearent Parcel #
Dev Permit # In Floodway Exetter of Auth. from Contractor NF W Comp. letter
IMPACT FEES: EMS Fire Corr Read/Gode W Vf form Approved
School = TOTAL 28782 Metal Bldg / 28989 Electrical
Septic Permit No. 10-0353 (Not. finaled 3/14/11) Fax (904) 394-7944 /904-237-1842
Name Authorized Person Signing Permit Harold A. Richardson Phone (904) 394-7620
Address 524 Stockton Street Jacksonville, FL 32204
Owners Name Grace & Praise Ministries Phone (386) 719-5499
911 Address 15880 S. US Highway 441 Lake City, FL 32024
Contractors Name W. W. Gay Mechanical Contractor, Inc. Phone (904) 388-2696
Address 524 Stockton Street Jacksonville, FL 32204
Fee Simple Owner Name & Address
Bonding Co. Name & Address
Architect/Engineer Name & Address Associated Engineering Consultants, Inc. 522 Stockton Street Jacksonville, FL 32204
Mortgage Lenders Name & Address
Circle the correct power company — FL Power & Light — Clay Elec. — Suwannee Valley Elec. — Progress Energy
Property ID Number 15-6S-17-09683-000 Estimated Cost of Construction 20,000, W
Subdivision Name Lot Block Unit Phase
Driving Directions South on 441 from Lake City to intersection w/ Tommy Lites Street
Driving Directions South on 441 from Lake City to intersection w/ Tommy Lites Street
Number of Existing Dwellings on Property
Construction ofInterior buildout of Fellowship Hall Total Acreage2.36 Lot Size
Do you need a - <u>Culvert Permit</u> or <u>Culvert Waiver</u> or <u>Have an Existing Drive</u> Total Building Height
Actual Distance of Structure from Property Lines - Front 182 Side 50 Side 330 Rear 37 Rear
Number of Stories1 Heated Floor Area Total Floor Area Roof Pitch 4/12
Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction. CODE: Florida Building Code 2007 with 2009 Supplements and the 2008 National Electrical Code. Page 1 of 2 (Both Pages must be submitted together.) Revised 6-19-09

Spoluto Jon # 100.00 (No Tonios or flood)



COLUMBIA COUNTY, FLORIDA

epartment of Building and Zoning nspection

and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code. This Certificate of Occupancy is issued to the below named permit holder for the building

Parcel Number 15-6S-17-09683-000

Use Classification INTERIOR BUILDOUT

Fire:

0.00

Building permit No. 000029332

Permit Holder W.W. GAY

Owner of Building GRACE & PRAISE MINISTRIES

Total:

0.00

Waste:

Location: 15880 US HWY 441 S, HIGH SPRINGS, FL 32643

Date: 10/05/2011

Building Inspector

POST IN A CONSPICUOUS PLACE (Business Places Only)