#### Florida Building Code, Seventh Edition (2020) - Energy Conserv

EnergyGauge Summit® Fla/Com-2020, Effective Date: Dec 31, 2020 C402.1.1: ASHRAE Energy Cost Budget Option



#### **Check List**

Applications for compliance with the Florida Building Code, Energy Conservation shall include:

- **X** This Checklist
- The full compliance report generated by the software that contains the project summary, compliance summary, certifications and detailed component compliance reports.
- The compliance report must include the full input report generated by the software as contigous part of the compliance report.
- Boxes appropriately checked in the Mandatory Section of the complaince report.

#### WARNING: INPUT REPORT NOT GENERATED.

To include input report in final submission, go to the Project Form, Settings Tab and check the box - "Append Input Report to Compliance Output Report"

Then rerun your calculation

#### **PROJECT SUMMARY**

Description: Quan Short Desc: SPA

Owner:

Address1: Quantum on the Bay City: Miami

Address2: 1900 North Bayshore Drive State: Fl **Zip:** 0

Type: Healthcare-Clinic Class: Renovation to existing building

Jurisdiction: MIAMI BEACH, MIAMI-DADE COUNTY, FL (232500)

Conditioned Area: 746 SF Conditioned & UnConditioned Area: 746 SF

No of Stories: 1 Area entered from Plans 746 SF

Permit No: 0 Max Tonnage 2.8

If different, write in:

City of Aliami

Compliance Summary						
Component	Design	Criteria   Results is to permitting unitary to violate, cancel after or set as				
Gross Energy Cost (in \$)	393.0	657.0 BD210212  BD210212  O1/13/				
LIGHTING CONTROLS		PASSES				
EXTERNAL LIGHTING		No Entry				
HVAC SYSTEM		PASSES				
PLANT		No Entry				
WATER HEATING SYSTEMS		Not Checked				
PIPING SYSTEMS		PASSES				
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**

	CERTIFICATION	S	DILIDING DEPARTMENT Approal of the plan is for permitting purposes ord, and does accurrently adopted technical cells or set saids any of the promise currently adopted technical cells or cell saids any of the promise currently adopted technical cells ord sense. Bus or ergs, or does issuance of a permit prevent the bulleting Official requiring correction of errors in either the plan or constant or any deficiencies withouting these are oritized to or any deficiencies withouting these are oritized to constructed in the plan review or permitting location.  BDD 110 21 20 440 001
I hereby certify that the plans and spe Florida Energy Code		tion are in compliance wit	h the 60 FOR CODE CO
Prepared By:	Digitally signed by Jose Ramos	Building Official:	
Date: Ra	Digitally signed by Jose Ramos Date:  2021.08.27 18:55:07 -04'00'	Date:	
I certify that this building is in complian		ency Code	
Owner Agent:		Date:	
If Required by Florida law, I hereby ce Efficiency Code	rtify (*) that the system design is	in compliance with the Flo	orida Energy
Architect:		Reg No:	
Electrical Designer:		Reg No:	
Lighting Designer:		Reg No:	
Mechanical Designer:		Reg No:	
Plumbing Designer:		Reg No:	
(*) Signature is required where Florida professionals. Typed names and regis contained on signed/sealed plans.		, ,	

Project: SPA

Title: Quantum on Bay Spa **Type: Healthcare-Clinic** 

(WEA File: FL MIAMI INTL AP.tm3)

#### **Building End Uses**



s Applied: None		PASSES
	\$85	\$183
	1611	3434
VENT FANS	5.50	11.70
	\$0	\$1
	0	12
SPACE HEAT	0.00	0.00
	\$120	\$196
	2267	3684
SPACE COOL	7.70	12.60
	\$0	\$0
	1	2
PUMPS & MISC	0.00	0.00
	\$173	\$175
	3279	3279
MISC EQUIPMT	11.20	11.20
	\$15	\$102
, in Extension	276	1919
AREA LIGHTS	0.90	6.50
	\$393	\$657
,	7434	12330
ELECTRICITY(MBtu/kWh/\$)	25.30	42.00
	\$393	\$657
	25.30	42.00
	, .,	,
	1) Proposed	2) Baseline

Passing Criteria = 657 Design (including any credits) = 393

Passing requires Proposed Building cost to be at most 100% of

Baseline cost. This Proposed Building is at 59.7%

#### **External Lighting Compliance**

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

City of Alicami
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None

Project: SPA

Title: Quantum on Bay Spa Type: Healthcare-Clinic

(WEA File: FL\_MIAMI\_INTL\_AP.tm3)

#### **Lighting Controls Compliance**

Acronym	Ashrae Descrip ID	Area (sq.ft)	Design CP	Min CP	Compliance
SPA	10,010 Physical Tl	herapy (Hospital) 746	2	1	PASSES

**PASSES** 

Project: SPA

Title: Quantum on Bay Spa Type: Healthcare-Clinic

(WEA File: FL\_MIAMI\_INTL\_AP.tm3)

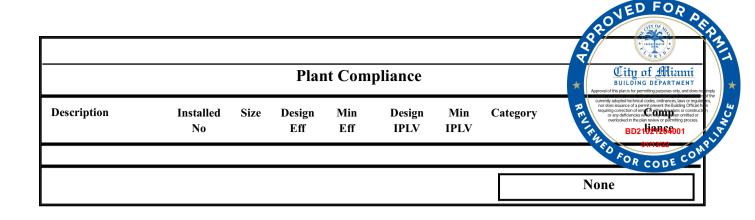
#### **System Report Compliance**

FC-1 FC-1 Constant Volume Air Cooled No. of Units
Split System < 65000 Btu/hr 1

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Comp- liance
Cooling System	Air Conditioners Air Cooled Split System < 65000 Btu/h Cooling Capacity	33510	14.00	13.00	8.00		PASSES
Heating System	Heat Pumps Air Cooled (Heating Mode) Split System < 65000 Btu/h Cooling Capacity	43740	8.20	8.20			PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	1200	0.80	0.82			Not Required

**PASSES** 

8/26/2021



Project: SPA

Description

Water Heater 1

Title: Quantum on Bay Spa Type: Healthcare-Clinic

(WEA File: FL MIAMI INTL AP.tm3)

Type

heater

Electric Storage water

## Water Heater Compliance Category Design Min Design Max Comp liance Unknown 0.92 Not Checked

**Not Checked** 

Project: SPA

Title: Quantum on Bay Spa Type: Healthcare-Clinic

(WEA File: FL\_MIAMI\_INTL\_AP.tm3)

#### **Piping System Compliance**

Category	Pipe Dia [inches]	Is Runout?	Operating Temp [F]	Ins Cond [Btu-in/hr .SF.F]	Ins Thick [in]	Req Ins Thick [in]	Compl- iance
Heating System (Steam, Steam Condensate, & Hot Water)	0.25	False	105.00	0.28	0.50	0.50	PASSES

**PASSES** 

8/26/2021

#### Mandatory Requirements (as applicable)

Requirements compiled by US Dep and Pacific Northwest National Lab for FBC with permission. Not all ma

City of Alliami ent of Energy DEPARTMENT

Approval of this plan is for permi

applicable of a

Topic	Section	Component	Description	N/A Exempt 01/13/22
	1. T	o be checked	by Designer or Engineer	FOR CODE CO
Insulation	5.8.1.2	Envelope	Below-grade wall insulation installed per manufacturer's instructions.	$\mathbf{X} \square \square$
Insulation	5.8.1.2	Envelope	Slab edge insulation installed per manufacturer's instructions.	
Insulation	5.5.3.5	Envelope	Slab edge insulation depth/length.	$\mathbf{X} \square \square$
Insulation	6.4.4.1.5	Envelope	Bottom surface of floor structures incorporating radiant heating insulated to >=R-3.5.	X 🗆 🗆
SYSTEM_SPECIFIC	6.5.1, 6.5.1.1, 6.5.1.3, 6.5.1.4	Mechanical	Air economizers provided where required (and not exempted), meet the requirements for design capacity, control signal, ventilation controls, high-limit shut-off, integrated economizer control, and provide a means to relieve excess outside air during operation.	
SYSTEM_SPECIFIC	6.5.1, 6.5.1.2, 6.5.1.2.1, 6.5.1.3	Mechanical	Water economizers provided where required, meet the requirements for design capacity, maximum pressure drop and integrated economizer control. Capable if providing 100% of the expected system cooling load when outdoor air <= 50F.	
SYSTEM_SPECIFIC	6.5.1.5	Mechanical	Economizer operation will not increase heating energy use during normal operation.	
SYSTEM_SPECIFIC	6.5.2.2.1	Mechanical	Three-pipe hydronic systems using a common return for hot and chilled water are not used.	
SYSTEM_SPECIFIC	6.5.2.2.3	Mechanical	Hydronic heat pump systems connected to a common water loop meet heat rejection and heat addition requirements.	
SYSTEM_SPECIFIC	6.5.1.6	Mechanical	Water economizer specified on hydronic cooling and humidification systems designed to maintain inside humidity at >35 °F dewpoint if an economizer is required.	
SYSTEM_SPECIFIC	6.5.3.1.1	Mechanical	HVAC fan systems at design conditions do not exceed allowable fan system motor nameplate hp or fan system bhp.	$\mathbf{X} \square \square$
SYSTEM_SPECIFIC	6.5.3.1.2	Mechanical	HVAC fan motors not larger than the first available motor size greater than the bhp.	$\mathbf{X} \square \square$
HVAC	6.5.6.1	Mechanical	Exhaust air energy recovery on systems meeting Tables 6.5.6.1-1, and 6.5.6.1-2.	$\mathbf{X} \square \square$
SYSTEM_SPECIFIC	7.4.2	Mechanical	Service water heating equipment meets efficiency requirements.	
SYSTEM_SPECIFIC	7.5.2	Mechanical	Service water heating equipment used for space heating complies with the service water heating equipment requirements.	
Insulation	5.8.1.2	Envelope	Above-grade wall insulation installed per manufacturer's instructions.	
Insulation	5.8.1.2	Envelope	Floor insulation installed per manufacturer's instructions.	$\square$
Controls	10.4.3	Mechanical	Elevators are designed with the proper lighting, ventilation power, and standby mode.	
SYSTEM_SPECIFIC	6.4.1.1, 6.8.1-7a	Mechanical	Heat Rejection Equipment: Minimum Efficiency Requirement >=40.2 gpm/hp .	
SYSTEM_SPECIFIC	6.4.1.1, 6.8.1-7b	Mechanical	Heat Rejection Equipment: Minimum Efficiency Requirement >=20.0 gpm/hp.	
SYSTEM_SPECIFIC	6.4.1.1, 6.8.1-7c	Mechanical	Heat Rejection Equipment: Minimum Efficiency Requirement >=16.1 gpm/hp.	

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SYSTEM_SPECIFIC	6.4.1.1, 6.8.1-7d	Mechanical	Heat Rejection Equipment: Minimum Efficiency Requirement >=7.0 gpm/hp	X
SYSTEM_SPECIFIC	6.5.5.3	Mechanical	Centrifugal fan open-circuit cooling towers having combined rated capacity >= 1100 gpm meets minimum efficiency requirement: >=38.2 gpm/hp.	Approal of this plan is for permitting purposes only, and does nathority to violate, cancel, after or set about any of the provision.
SYSTEM_SPECIFIC	6.4.1.1, 6.8.1-7e	Mechanical	Heat Rejection Equipment: Minimum Efficiency Requirement >=176 kBtu/h-hp	nithy administration of the Building Official relating of the Building Official relating of the Building Official relating of the first plans or construct or are been writted or overlooked in the plan review or permitting process.
SYSTEM_SPECIFIC	6.4.1.1, 6.8.1-7f	Mechanical	Heat Rejection Equipment: Minimum Efficiency Requirement >=157 kBtu/h-hp w/ R-507A test fluid.	outcoded in the pain news or permiting process.  Put 10 120 120 100 100 100 100 100 100 100
SYSTEM_SPECIFIC	6.4.1.1, 6.8.1-7g	Mechanical	Heat Rejection Equipment: Minimum Efficiency Requirement >=134 kBtu/h-hp w/ Ammonia test fluid	
SYSTEM_SPECIFIC	6.4.1.1, 6.8.1-7h	Mechanical	Heat Rejection Equipment: Minimum Efficiency Requirement >=135 kBtu/h-hp w/ R-507 A test fluid.	
SYSTEM_SPECIFIC	6.4.1.1, 6.8.1-7i	Mechanical	Heat Rejection Equipment: Minimum Efficiency Requirement >=110 kBtu/h-hp w/ Ammonia test fluid.	
SYSTEM_SPECIFIC	7.5.3	Mechanical	Gas-fired water-heating equipment installed in new buildings: where a singular piece of water-heating equipment >= 1,000 kBtu/h serves the entire building, thermal efficiency must be >= 90 Et.  Where multiple pieces of water-heating equipment serve the building with combined rating is >= 1,000 kBtu/h, the combined input-capacity-weighted-average thermal efficiency , thermal efficiency must be >= 90 Et.  Exclude input rating of equipment in individual	
SYSTEM_SPECIFIC	6.5.3.2.4	Mechanical	dwelling units and equipment <= 100 kBtu/h. Return and relief fans used to meet Section 6.5.1.1.5 have relief air rate controlled to maintain building pressure through differential supply-return airflow tracking. Systems with supply fans allowed to control the relief system based on oudoor air damper position. Fans have variable speed control or other devices for managing total return/relief fan system demand per section threshold.	
HVAC	6.5.2.6	Mechanical	Units that provide ventilation air to multiple zones and operate in conjunction with zone heating and cooling systems are prevented from using heating or heat recovery to warm supply air above 60°F when representative building loads or outdoor air temperature indicate that most zones demand cooling.	
HVAC	6.5.4.7	Mechanical	Chilled-water cooling coils provide a 15°F or higher temperature difference between leaving and entering water temperatures and a minimum of 57°F leaving water temperature at design conditions	
SYSTEM_SPECIFIC	6.5.3.4	Mechanical	Parallel-flow fan-powered VAV air terminals have automatic controls to a) turn off the terminal fan except when space heating is required or if required for ventilation; b) turn on the terminal fan as the first stage of heating before the heating coil is activated; and c) during heating for warmup or setback temperature control, either operate the terminal fan and heating coil without primary air or reverse the terminal damper logic and provide heating from the central air handler through primary air.	

				a		CITY OF ALL
SYSTEM_SPECIFIC	6.5.3.7	Mechanical	Required minimum outdoor air rate is the larger of minimum outdoor air rate or minimum exhaust air rate required by Standard 62.1, Standard 170, or applicable codes or accreditation standards. Outdoor air ventilation systems shall comply with one of the following: a) design minimum system outdoor air provided < 135% of the required minimum outdoor air rate, b) dampers, ductwork, and controls allow the system to supply <= the required minimum outdoor air rate with a single set-point adjustment., or c) system includes exhaust air energy recovery complying with Section 6.5.6.1.	authority to	BUILDIN  of this plan is for pe o violate, cancel, al a adopted technice s issuance of a pe g correction of er any deficiencies wertooked in the p	of Affice G DEPART mitting purposes of the oral saids are for oral saids are mitting purposes of the oral saids are mitting present the 8th oral mitting purposes of the oral mitting purposes
HVAC	6.8.1-15, 6.8.1-16	Mechanical	Electrically operated DX-DOAS units meet requirements per Tables 6.8.1-15 or 6.8.1-16.		X	
	2	2. To be chec	ked by Plan Reviewer			
Plan Review	4.2.2, 5.4.3.1.1, 5.7	Envelope	Plans and/or specifications provide all information with which compliance can be determined for the building envelope and document where exceptions to the standard are claimed.			
Plan Review	4.2.2, 6.4.4.2.1, 6.7.2	Mechanical	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical systems and equipment and document where exceptions to the standard are claimed. Load calculations per acceptable engineering standards and handbooks.			
Plan Review	4.2.2, 7.7.1, 10.4.2	Mechanical	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the service water heating systems and equipment and document where exceptions to the standard are claimed. Hot water system sized per manufacturer's sizing guide.			
Plan Review	4.2.2, 8.4.1.1, 8.4.1.2, 8.7	Project	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the electrical systems and equipment and document where exceptions are claimed. Feeder connectors sized in accordance with approved plans and branch circuits sized for maximum drop of 3%.			
Plan Review	4.2.2, 9.4.3, 9.7	Interior Lighting	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.			
Plan Review	9.7	Exterior Lighting	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.			
Insulation	5.8.1.7.3	Envelope	Insulation in contact with the ground has <=0.3% water absorption rate per ASTM C272.			
Air Leakage	5.4.3.4	Envelope	Vestibules are installed where building entrances separate conditioned space from the exterior, and meet exterior envelope requirements. Doors have self-closing devices, and are >=7 ft apart (>= 16 ft apart for adjoinging floor area >= 40000 sq.ft.). Vestibule floor area <=7 50 sq.ft. or 2 percent of the adjoining conditioned floor area.			

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Plan Review	5.5.4.2.3	Envelope	In buildings > 2,500 ft2, any enclosed spaces directly under a roof with ceiling heights > 15 ft. and used as an office, lobby, atrium, concourse,	A O B 1 O B
			corridor, storage (including nonrefrigerated	City of Aliami BUILDING DEPARTMENT
			warehouse), gymnasium, fitness/exercise area,	Approval of this plan is for permitting purposes only, and does r authority to violate, cancel, alter or set aside any of the provision currently adopted technical codes, ordinances, laws or regul
			playing area, gymnasium seating area,	currently adopted technical codes, ordinances, laws or regult nor does issuance of a permit prevent the Bulding Official requiring correction of errors in either the plans or construct or any deficiencies which may have been emitted or owerlooked in the plan review or permitting process.
			convention exhibit/event space, courtroom, automotive service, fire station engine room,	or any deficiencies which may have been omitted or overlooked in the plan review or permitting process.
			manufacturing corridor/transition and bay areas,	BD21021204001 01/13/22 FOR CODE CON
			retail, library reading and stack areas,	CON
			distribution/sorting area, transportation baggage	OR CODE
			and seating areas, or workshop, the following requirements apply: The daylight zone under	
			skylights is >= half the floor area and (a) the	
			skylight area to daylight zone is >= 3 percent with	
			a skylight VT >= 0.40 or (b) the minimum skylight	
			effective aperture >= 1 percent. The skylights have a measured haze value > 90 percent.	
Plan Review	5.5.4.2.3	Envelope	In buildings > 2,500 ft2, any enclosed spaces	
			directly under a roof with ceiling heights > 15 ft.	
			and used as an office, lobby, atrium, concourse,	
			corridor, storage (including nonrefrigerated warehouse), gymnasium, fitness/exercise area,	
			playing area, gymnasium seating area,	
			convention exhibit/event space, courtroom,	
			automotive service, fire station engine room,	
			manufacturing corridor/transition and bay areas,	
			retail, library reading and stack areas, distribution/sorting area, transportation baggage	
			and seating areas, or workshop, the following	
			requirements apply: The daylight zone under	
			skylights is >= half the floor area and (a) the	
			skylight area to daylight zone is >= 3 percent with a skylight VT >= 0.40 or (b) the minimum skylight	
			effective aperture >= 1 percent. The skylights	
			have a measured haze value > 90 percent.	
Plan Review	5.5.4.2.3	Envelope	In buildings > 2,500 ft2, any enclosed spaces	
			directly under a roof with ceiling heights > 15 ft. and used as an office, lobby, atrium, concourse,	
			corridor, storage (including nonrefrigerated	
			warehouse), gymnasium, fitness/exercise area,	
			playing area, gymnasium seating area,	
			convention exhibit/event space, courtroom, automotive service, fire station engine room,	
			manufacturing corridor/transition and bay areas,	
			retail, library reading and stack areas,	
			distribution/sorting area, transportation baggage	
			and seating areas, or workshop, the following	
			requirements apply: The daylight zone under skylights is >= half the floor area and (a) the	
			skylight area to daylight zone is >= 3 percent with	
			a skylight VT >= 0.40 or (b) the minimum skylight	
			effective aperture >= 1 percent. The skylights	
Plan Review	5.5.4.2.3	Envelope	have a measured haze value > 90 percent. In buildings > 2,500 ft2, any enclosed spaces	
	0.0.1.2.0	Livelope	directly under a roof with ceiling heights > 15 ft.	
			and used as an office, lobby, atrium, concourse,	
			corridor, storage (including nonrefrigerated	
			warehouse), gymnasium, fitness/exercise area, playing area, gymnasium seating area,	
			convention exhibit/event space, courtroom,	
			automotive service, fire station engine room,	
			manufacturing corridor/transition and bay areas,	
			retail, library reading and stack areas,	
			distribution/sorting area, transportation baggage and seating areas, or workshop, the following	
			requirements apply: The daylight zone under	
			skylights is >= half the floor area and (a) the	
			skylight area to daylight zone is >= 3 percent with	
			a skylight VT >= 0.40 or (b) the minimum skylight effective aperture >= 1 percent. The skylights	

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Plan Review	5.5.4.2.3 5.5.4.2.3	Envelope	In buildings > 2,500 ft2, any enclosed spaces directly under a roof with ceiling heights > 15 ft. and used as an office, lobby, atrium, concourse, corridor, storage (including nonrefrigerated warehouse), gymnasium, fitness/exercise area, playing area, gymnasium seating area, convention exhibit/event space, courtroom, automotive service, fire station engine room, manufacturing corridor/transition and bay areas, retail, library reading and stack areas, distribution/sorting area, transportation baggage and seating areas, or workshop, the following requirements apply: The daylight zone under skylights is >= half the floor area and (a) the skylight area to daylight zone is >= 3 percent with a skylight VT >= 0.40 or (b) the minimum skylight effective aperture >= 1 percent. The skylights have a measured haze value > 90 percent. In buildings > 2,500 ft2, any enclosed spaces directly under a roof with ceiling heights > 15 ft. and used as an office, lobby, atrium, concourse,	Aprovación de la planta la pueda de la pueda del pueda de la pueda de la pueda de la pueda del pueda de la pueda del pueda de la pueda del pueda de la pueda del pueda de la p
HVAC	6.4.3.4.4	Mechanical	corridor, storage (including nonrefrigerated warehouse), gymnasium, fitness/exercise area, playing area, gymnasium seating area, convention exhibit/event space, courtroom, automotive service, fire station engine room, manufacturing corridor/transition and bay areas, retail, library reading and stack areas, distribution/sorting area, transportation baggage and seating areas, or workshop, the following requirements apply: The daylight zone under skylights is >= half the floor area and (a) the skylight area to daylight zone is >= 3 percent with a skylight VT >= 0.40 or (b) the minimum skylight effective aperture >= 1 percent. The skylights have a measured haze value > 90 percent. Ventilation fans >0.75 hp have automatic controls	
HVAC	6.4.3.8	Mechanical	to shut off fan when not required.  Demand control ventilation provided for spaces >500 ft2 and >25 people/1000 ft2 occupant density and served by systems with air side economizer, auto modulating outside air damper	
HVAC	6.4.4.1.4	Mechanical	control, or design airflow >3,000 cfm.  Thermally ineffective panel surfaces of sensible heating panels have insulation >= R-3.5.	
HVAC	6.5.2.3	Mechanical	Dehumidification controls provided to prevent reheating, recooling, mixing of hot and cold airstreams or concurrent heating and cooling of the same airstream.	
SYSTEM_SPECIFIC	6.5.3.1.3	Mechanical	Fans have efficiency grade (FEG) >= 67. The total efficiency of the fan at the design point of operation <= 15% of maximum total efficiency of the fan.	
SYSTEM_SPECIFIC	6.5.3.6	Mechanical	Motors for fans >= 1/12 hp and < 1 hp are electronically-commutated motors or have a minimum motor efficiency of 70%. These motors are also speed adjustable for either balancing or remote control.	
SYSTEM_SPECIFIC	6.4.3.10	Mechanical	DDC system installed and capable of and configured to provide control logic including monitoring zone and system demand for fan pressure, pump pressure, heating, and cooling; transferring zone and system demand information from zones to air distribution system controllers and from air distribution systems to heating and cooling plant controllers; automatically detecting and alerting system operator when zones and systems excessively drive the reset logic; allow operator removal of zone(s) from the reset algorithm; AND capable of trending and graphically displaying input and output points.	

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SYSTEM_SPECIFIC	6.5.3.2.3	Mechanical	Reset static pressure setpoint for DDC controlled VAV boxes reporting to central controller based on the zones requiring the most pressure. Controls provide: zone damper monitoring or indicator of static pressure need; autodetection, alarm, and operator override of zones excessively triggering reset logic.	City of Minmi BUILDING DEPARTMENT  Approval of the plan is for permiting purposes cry, and does reaching shortly deviced, active, alter or set saids any of the provision of the plan is consistent and permit permiting the provision of the provis
SYSTEM_SPECIFIC	6.5.3.3	Mechanical	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.	B0210 <u>P120</u> 4001 01/13/22
SYSTEM_SPECIFIC	6.5.3.5	Mechanical	Multiple zone HVAC systems have supply air temperature reset controls.	FOR CODE CON
SYSTEM_SPECIFIC	6.5.4.1	Mechanical	System turndown requirement met through multiple single-input boilers, one or more modulating boilers, or a combination of single-input and modulating boilers.  Boiler input between 1.0 MBtu/h and 5 MBtu/h has 3:1 turndown ratio, boiler input between 5.0 MBtu/h and 10 MBtu/h has 4:1 turndown ratio, boiler input > 10.0 MBtu/h has 5:1 turndown ratio.	
HVAC	6.5.4.2	Mechanical	HVAC pumping systems with >= 3 control values designed for variable fluid flow (see section	
SYSTEM_SPECIFIC	6.5.4.3, 6.5.4.3.1, 6.5.4.3.2	Mechanical	details). Fluid flow shutdown in pumping systems to multiple chillers or boilers when systems are shut	
SYSTEM_SPECIFIC	6.5.4.4	Mechanical	down. Temperature reset by representative building loads in pumping systems >10 hp for chiller and	
SYSTEM_SPECIFIC	6.5.4.5.1	Mechanical	boiler systems >300,000 Btu/h. Two-position automatic valve interlocked to shut off water flow when hydronic heat pump with	
SYSTEM_SPECIFIC	6.5.4.5.2	Mechanical	pumping system >10 hp is off.  Hydronic heat pumps and water-cooled unitary air conditioners with pump systems >5 hp have controls or devices to reduce pump motor	
SYSTEM_SPECIFIC	6.5.5.2.1	Mechanical	demand. Fan systems with motors or array of motors (inlcuding the motor service factor) with connected power totaling >=5 hp associated with heat rejection equipment to have controls and/or devises that result in fanmotor demand of <= 30% of design wattage at 50% of design airflow and automatically modulates fan speed to control the leaving fluid temperature or condensing	
SYSTEM_SPECIFIC	6.5.5.2.2	Mechanical	temp/pressure of heat rejection device.  Multicell heat rejection equipment with variable-speed fan drives installed that operate the maximum number of fans allowed that comply with manufacturers specs and control all fans to the same fan speed required for the	
SYSTEM_SPECIFIC	6.5.7.1	Mechanical	instantaneous cooling duty.  Conditioned supply air to space with mechanical exhaust <= the greater of criteria of supply flow, required ventilation rate, exhaust flow minu the	
HVAC	6.5.7.2.1	Mechanical	available transffer air (see section details). Kitchen hoods >5,000 cfm have make up air >=50% of exhaust air volume.	
SYSTEM_SPECIFIC	6.5.7.2.2	Mechanical	Kitchen hoods with a total exhaust airflow rate >5000 cfm meet replacement air, ventilation system, or energy recovery requirements shown in Table 6.5.7.1.3.	
SYSTEM_SPECIFIC	6.5.7.2.3	Mechanical	Kitchen hoods with a total exhaust airflow rate >5000 cfm meet replacement air, ventilation system, or energy recovery requirements.	
HVAC	6.5.7.2	Mechanical	Fume hoods exhaust systems >=5,000 cfm have VAV hood exhaust and supply systems, direct	
HVAC	6.5.8.1	Mechanical	make-up air or heat recovery. Unenclosed spaces that are heated use only radiant heat.	

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SYSTEM_SPECIFIC	7.5.1	Mechanical	Combined space and water heating system not allowed unless standby loss less than calculated maximum. AHJ has approved or combined	City of Miami
Other Equipment	10.4.1	Mechanical	connected load <150 kBtu/h. Electric motors meet requirements where applicable.	Appropriate the plans is to permitting purpose sortly, and does in author by to visit decarded after a seal after or less state days of the provision currently adopted technical codes, transfactes, takes or experience and the control of the provision currently adopted technical codes, transfactes, takes or experience and the control of the provision control of the provision control of the provision of the provi
HVAC	6.4.3.3.2	Mechanical	Setback controls allow automatic restart and temporary operation as required for maintenance.	requiring correction of errors in either the plans or construct or air busicionises which tright risk been ormitted or overholeed in the plan in view or it erritting process. BID2102T204001
SYSTEM_SPECIFIC	6.4.3.3.3	Mechanical	Systems with setback controls and DDC include optimum start controls. Optimum start algorithm considers mass radiant slab floor temperature.	FOR CODE CON
SYSTEM_SPECIFIC	6.4.3.3.4	Mechanical	Zone isolation devices and controls.	
Wattage	9.4.2	Exterior Lighting	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	
Controls	9.4.1.4d	Exterior Lighting	Outdoor parking area luminaires >= 78W and <= 24 ft height controlled to reduce wattage by 50% when area unoccupied over 15 minutes.  Controlled power limited to <= 1500W.	
Controls	9.4.1.2a	Interior Lighting	Parking garage lighting is equipped with automatic shutoff controls per Section 9.4.1.1(i).	
Controls	9.4.1.2b	Interior Lighting	Parking garage luminarie power is automatically reduced by >= 30% when zone < 3600 ft2 has no	
Controls	9.4.1.2c	Interior Lighting	occupancy after 20 minutes.  Parking garage luminaries in or around covered entrances/exits between building and garage automatically reduced by >= 50% from sunset to sunrise.	
Controls	9.4.1.2d	Interior Lighting	Parking garage: Power to luminaires <= 20 ft of any perimeter wall that has a net opening-to-wall ratio >=40% and no exterior obstructions within 20 ft, is automatically reduced in response to daylight >= 50%.	
Other Equipment	6.8.1-14	Mechanical	Vapor compression based indoor pool dehumidifiers (single package (indoor air/water cooled or w/out air-cooled condenser) or split system indoor air-cooled ) have a minimum 3.5 MRE efficiency rating.	
Controls	6.4.3.3.5	Mechanical	Hotels/motel w/ > 50 guest rooms have automatic controls for the HVAC equipment serving each room configured per Section 6.4.3.3.5 subsections 1-3.	
		3. To be cho	ecked by Inspector	
Insulation	5.8.1.7	Envelope	Exterior insulation protected against damage, sunlight, moisture, wind, landscaping and	
HVAC	6.4.3.7	Mechanical	equipment maintenance activities.  Freeze protection and snow/ice melting system sensors for future connection to controls.	
Air Leakage	5.4.3.1	Envelope	Continuous air barrier is wrapped, sealed, caulked, gasketed, and/or taped in an approved manner, except in semiheated spaces in climate zones 1-6.	
Air Leakage	5.4.3.2	Envelope	Factory-built and site-assembled fenestration and doors are labeled or certified as meeting air	
Fenestration	5.8.2.1, 5.8.2.3, 5.8.2.4, 5.8.2.5	Envelope	leakage requirements. Fenestration products rated (U-factor, SHGC, and VT) in accordance with NFRC or energy code	
Fenestration	5.8.2.2	Envelope	defaults are used.  Fenestration and door products are labeled, or a signed and dated certificate listing the U-factor, SHGC, VT, and air leakage rate has been	
SYSTEM_SPECIFIC	7.4.4.1	Mechanical	provided by the manufacturer.  Temperature controls installed on service water heating systems (<=120°F to maximum temperature for intended use).	

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SYSTEM_SPECIFIC	7.4.4.2	Mechanical	Automatic time switches installed to automatically switch off the recirculating hot-water system or heat trace.	Q D
SYSTEM_SPECIFIC	7.4.6	Mechanical	Heat traps installed on non-circulating storage water tanks.	Approval of this plan is for permitting purposes only, and does not provided in the position of the position o
HVAC	6.4.1.4, 6.4.1.5	Mechanical	HVAC equipment efficiency verified. Non-NAECA HVAC equipment labeled as meeting 90.1.	mithy a draw in rick and cost persons cost, laws or regul no does it aunore of a permit revent + Belluling of constitution aiming conscitor of errors, either the plans or construct or an indicate jobs which cause have been omitted or overlocked in the plan review or permitting process.
SYSTEM_SPECIFIC	6.4.1.5.2	Mechanical	PTAC and PTHP with sleeves 16 in. by 42 in. labeled for replacement only.	Overlooked in the plan review or permitting process.
HVAC	6.4.3.4.1	Mechanical	Stair and elevator shaft vents have motorized dampers that automatically close.	FOR CODE CON
HVAC	6.4.3.4.2, 6.4.3.4.3	Mechanical	Outdoor air and exhaust systems have motorized dampers that automatically shut when not in use and meet maximum leakage rates. Check gravity dampers where allowed.	
HVAC	6.4.3.4.5	Mechanical	Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design	
HVAC	6.5.3.2.1	Mechanical	capacity.  DX cooling systems >= 75 kBtu/h (>= 65 kBtu/h effective 1/2016) and chilled-water and evaporative cooling fan motor hp >= ½ designed to vary supply fan airflow as a function of load and	
HVAC	6.4.4.1.1	Mechanical	comply with operational requirements.  Insulation exposed to weather protected from damage. Insulation outside of the conditioned space and associated with cooling systems is	
HVAC	6.4.4.1.2	Mechanical	vapor retardant.  HVAC ducts and plenums insulated per Table 6.8.2. Where ducts or plenums are installed in or under a slab, verification may need to occur during Foundation Inspection.	
HVAC	6.4.4.1.3	Mechanical	HVAC piping insulation thickness. Where piping is installed in or under a slab, verification may need to occur during Foundation Inspection.	
HVAC	6.4.4.2.1	Mechanical	Ducts and plenums having pressure class ratings are Seal Class A construction.	
SYSTEM_SPECIFIC	6.4.4.2.2	Mechanical	Ductwork operating >3 in. water column requires air leakage testing.	
SYSTEM_SPECIFIC	6.5.2.1	Mechanical	Zone controls can limit reheating, recooling, simultaneous heating and cooling and sequence	
SYSTEM_SPECIFIC	6.4.3.11.1	Mechanical	heating and cooling to each zone.  Electric motor driven chilled-water plants have measurement devices installed and measure the	
SYSTEM_SPECIFIC	6.4.3.11.2	Mechanical	electricity use and efficiency Electricity use and efficiency are trended every 15 minutes and graphically displayed, including hourly, daily, monthly, and annual data. Data are	
SYSTEM_SPECIFIC	6.5.2.2.2	Mechanical	preserved for 36 months or more.  Two-pipe hydronic systems using a common distribution system have controls to allow a deadband >=15 °F, allow operation in one mode for at least 4 hrs before changeover, and have rest controls to limit heating and cooling supply temperature to c=20 °F.	
HVAC	6.5.2.4.1	Mechanical	temperature to <=30 °F.  Humidifiers with airstream mounted preheating jackets have preheat auto-shutoff value set to activate when humidification is not required.	
HVAC	6.5.2.4.2	Mechanical	Humidification system dispersion tube hot surfaces in the airstreams of ducts or air-handling units insulated >= R-0.5.	
HVAC	6.5.2.5	Mechanical	Preheat coils controlled to stop heat output whenever mechanical cooling, including	
SYSTEM_SPECIFIC	6.5.3.2.2	Mechanical	economizer operation, is active.  VAV fans have static pressure sensors positioned so setpoint <=1.2 in. w.c. design pressure.	
SYSTEM_SPECIFIC	6.5.4.6	Mechanical	Chilled-water and condenser water piping sized according to design flow rate and total annual hours of operation (Table 6.5.4.6).	

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SYSTEM_SPECIFIC	6.5.6.2	Mechanical	Condenser heat recovery system that can heat water to 85 °F or provide 60% of peak heat rejection is installed for preheating of service hot	City of Miami
HVAC	6.5.7.2.4	Mechanical	water.  Approved field test used to evaluate design air flow rates and demonstrate proper capture and containment of kitchen exhaust systems.	Appret and the plann is if permittill groups are only, and does not wish yo to verify an only if the root stand lay not of the provision on the configuration of the provision on does instance of a permit prevent the Buldrig Official to not does issuance of a permit prevent the Buldrig Official to requiring correction of ears in either the Buldrig Official to requiring correction of ears in either the Buldrig Official to constitute of any disclerations which may have been critical or any disclerations which may have been critical or over admits all the pinn regulatory entire process.
SYSTEM_SPECIFIC	6.5.9	Mechanical	Hot gas bypass limited to: <=240 kBtu/h – 15% >240 kBtu/h – 10%	B0210 <u>P120</u> 4001 01/13/22
HVAC	6.4.3.9	Mechanical	Heating for vestibules and air curtains with integral heating include automatic controls that shut off the heating system when outdoor air temperatures > 45F. Vestibule heating and cooling systems controlled by a thermostat in the vestibule with heating setpoint <= 60F and cooling setpoint >= 80F.	OF CODE CON
Controls	6.5.10	Mechanical	Doors separating conditioned space from the outdoors have controls that disable/reset heating and cooling system when open.	
Controls	9.4.1.1 except(g)	Interior Lighting	Automatic control requirements prescribed in Table 9.6.1, for the appropriate space type, are installed. Mandatory lighting controls (labeled as 'REQ') and optional choice controls (labeled as 'ADD1' and 'ADD2') are implemented.	
Controls	9.4.1.1 except(g)	Interior Lighting	Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.	
Controls	9.4.1.1f	Interior Lighting	Daylight areas under skylights and roof monitors that have more than 150 W combined input power for general lighting are controlled by photocontrols.	
Controls	9.4.1.4	Exterior Lighting	Automatic lighting controls for exterior lighting installed.	
Controls	9.4.1.3	Interior Lighting	Separate lighting control devices for specific uses installed per approved lighting plans.	
Wattage	9.6.2	Interior Lighting	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	
Wattage	9.6.4	Interior Lighting	Where space LPD requirements are adjusted based on room cavity ratios, dimensions are consistent with approved plans.	
Insulation	4.2.4	Envelope	Installed roof insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports. For some ceiling systems, verification may need to occur during Framing Inspection.	
Insulation	5.8.1.2, 5.8.1.3	Envelope	Roof insulation installed per manufacturer's instructions. Blown or poured loose-fill insulation is installed only where the ceiling slope is <= 3:12.	
Insulation	5.8.1.1	Envelope	Building envelope insulation is labeled with R-value or insulation certificate has been provided listing R-value and other relevant data.	
Insulation	5.8.1.9	Envelope	Building envelope insulation extends over the full area of the component at the proposed rated R or U value.	
Insulation	5.8.1.4	Envelope	Eaves are baffled to deflect air to above the insulation.	
Insulation	5.8.1.5	Envelope	Insulation is installed in substantial contact with the inside surface separating conditioned space from unconditional space.	
Insulation	5.8.1.6	Envelope	Recessed equipment installed in building envelope assemblies does not compress the adjacent insulation.	
Insulation	5.8.1.7.1	Envelope	Attics and mechanical rooms have insulation protected where adjacent to attic or equipment access.	
Insulation	5.8.1.7.2	Envelope	Foundation vents do not interfere with insulation.	

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Insulation	5.8.1.8	Envelope	Insulation intended to meet the roof insulation requirements cannot be installed on top of a	Q D
			suspended ceiling. Mark this requirement compliant if insulation is installed accordingly.	City of Miami
SYSTEM_SPECIFIC	6.4.3.1.1	Mechanical	Heating and cooling to each zone is controlled by a thermostat control.	Approxitof the plan is fit permitting purposes only, and dos author by to whate, carried, after of jest asids any of the proxi- currently adoptes technical codes, corrainness, laws or re- port does issuance of a permit prevent the Building Official requiring correction of errors in either the plans or consts
HVAC	6.4.3.1.2	Mechanical	Thermostatic controls have a 5 °F deadband.	or an exercise see which may have been omitted over coled in he plan in view or parmitting process  BD21021204001
HVAC	6.4.3.2	Mechanical	Temperature controls have setpoint overlap restrictions.	FOR CODE CO
HVAC	6.4.3.3.1	Mechanical	HVAC systems equipped with at least one automatic shutdown control.	
SYSTEM_SPECIFIC	6.4.3.5	Mechanical	Heat pump controls prevent supplemental electric resistance heat from coming on when not needed.	
SYSTEM_SPECIFIC	6.4.3.12	Mechanical	Air economizer has a fault detection and diagnostics (FDD) system (see details for	
HVAC	6.4.3.6	Mechanical	configuration and operational requirements). When humidification and dehumidification are provided to a zone, simultaneous operation is prohibited. Humidity control prohibits the use of fossil fuel or electricity to produce RH > 30% in the warmest zone humidified and RH < 60% in	
SYSTEM_SPECIFIC	7.4.4.3	Mechanical	the coldest zone dehumidified.  Public lavatory faucet water temperature <=110°F.	
SYSTEM_SPECIFIC	7.4.4.4	Mechanical	Controls are installed that limit the operation of a recirculation pump installed to maintain temperature of a storage tank.	
SYSTEM_SPECIFIC	7.4.5.1	Mechanical	Pool heaters are equipped with on/off switch and no continuously burning pilot light.	
SYSTEM_SPECIFIC	7.4.5.2	Mechanical	Pool covers are provided for heated pools and pools heated to >90°F have a cover >=R-12.	
SYSTEM_SPECIFIC	7.4.5.3	Mechanical	Time switches are installed on all pool heaters and pumps.	
Wattage	9.2.2.3	Interior Lighting	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	
SYSTEM_SPECIFIC	7.4.3	Mechanical	All piping in recirculating system insulated	
SYSTEM_SPECIFIC	7.4.3	Mechanical	First 8 ft of outlet piping in nonrecirculating storage system, or branch piping connected to recirculated, heat traced, or impredance heated	
SYSTEM_SPECIFIC	7.4.3	Mechanical	piping is insulated. All heat traced or externally heated piping insulated	
Wattage	9.4.4	Interior Lighting	At least 75% of all permanently installed lighting fixtures in dwelling units have >= 55 lm/W efficacy or a >= 45 lm/W total luminaire efficacy.	
4. To b	e checked by	-	oject Completion and Prior to Issu	ance of
B. B.:	0.7.0.:		te of Occupancy	
Plan Review	6.7.2.4	Mechanical	Detailed instructions for HVAC systems commissioning included on the plans or specifications for projects >=50,000 ft2.	⊔ ⊔ ⊔
Plan Review	6.7.2.4	Mechanical	Detailed instructions for HVAC systems commissioning included on the plans or	
Post Construction	6.7.2.1	Mechanical	specifications for projects >=50,000 ft2. Furnished HVAC as-built drawings submitted within 90 days of system acceptance.	
Post Construction	6.7.2.2	Mechanical	Furnished O&M manuals for HVAC systems within 90 days of system acceptance.	
Post Construction	6.7.2.3	Mechanical	An air and/or hydronic system balancing report is provided for HVAC systems serving zones >5,000 ft2 of conditioned area.	

8/26/2021

				20 or or or
HVAC	6.7.2.4	Mechanical	HVAC control systems have been tested to ensure proper operation, calibration and adjustment of controls.	2 OT: - 1 OT: - 1
Post Construction	8.7.1	Interior Lighting	Furnished as-built drawings for electric power systems within 30 days of system acceptance.	Approval of the plan is for permitting purposes, yard does not imply authority to violate, cancel alter or set aside any of the provisions of the
Post Construction	8.7.2	Interior Lighting	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	nd des diacocci de permit inverte de duding Official for position of a feet of the permit inverte de duding Official for position of a feet of the permit inverte de duding Official for position of a feet of the permit inverte de vivil to the permit inverte de vivil to a feet of the

LED FOD



#### EnergyGauge Summit® v7.00

#### INPUT DATA REPORT

#### **Project Information**

Project Name: SPA Orientation: 0 Deg Clockwise. Walls & Windows will

**Building Type:** be rotated accordingly Healthcare-Clinic Project Title: Quantum on Bay Spa

Address: Quantum on the Bay **Building Classification:** Renovation to existing building

1900 North Bayshore Drive

No.of Stories: 1 State: Fl

**Zip:** 0 GrossArea: 746 SF

Owner:

			Zor	nes			
No	Acronym	Description	Туре	Area [sf]	Multiplier	Total Area [sf]	
1	SPA	SPA	CONDITIONED	746.0	1	746.0	

			Spaces						
No Acronym	Description	Туре	Depth [ft]	Width [ft]	Height [ft]	Multi plier	Total Area [sf]	Total Volume [cf]	

Zone: SPA 1 SPA	SPA	Physical Therapy (Ho	spital)	29.	84	25.00	12.00	1	746.0 *		STROMENT g purposes only, and does not set aside any of the provisions is ordinances. Items or regulation revent the studenty Ornical from	imply of the
				Lighti	ng				ELLENA	or any deficiencies which overlooked in the plan rev  BD2102  01/	may have been omitted or sew or permitting process. 21204001 13/22 ODE COM	N. P.
No	Туре	Category	L	No. of uminaire		Watts per Luminaire	Power [W]	Contro	l Туре		No.of trl pts	
Zone: SPA In Space: SPA 1	Recessed Fluorescent - No vent	General Lighting		6		15	90	Manual O	n/Off		2	
	Wall	<b>s</b> (Walls will be r	otated	clockw	ise by	building ro	tation	value)				
No Description	Туре	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Orientatio		onductance Stu/hr. sf. F]	Heat Capacity [Btu/sf.F]	Dens. [lb/cf]	R-Value [h.sf.F/Bt	
In Zone: SPA		25.00	12.00	1	420.0	N. d		0.2067	5 721	24.65	4.0	-
1 N WALL	5/8" stucco /8"CMU/3/ BTWN24"	4"ISO	12.00	I	420.0	North		0.2067	5.731	34.65	4.8	

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]	

228.0

156.0

East

SouthEast

0.2067

0.2067

5.731

5.731

4.8

4.8

34.65

34.65

2 E WALL

3 SE WALL

5/8" stucco

5/8" stucco

Gyp

Gyp

/8"CMU/3/4"ISO BTWN24"oc/.5"

/8"CMU/3/4"ISO BTWN24"oc/.5" 19.00

13.00

12.00

12.00

In Zone: City of Aliami
BUILDING DEPARTMENT In Wall: BD210212. 01/13/22 POR CODE COV R-Va' **Doors** No Description Type Dens. Heat Cap. R-Value Shaded? Width H (Effec) Multi Cond. Area [ft] [ft] plier [sf] [Btu/hr. sf. F] [lb/cf] [Btu/sf. F] [h.sf.F/Btu] In Zone: In Wall: **Roofs** Cond. No Description Type Width H (Effec) Multi Area Tilt Heat Cap Dens. R-Value [ft] [ft] plier [sf] [Btu/hr. Sf. F] [Btu/sf. F] [lb/cf] [h.sf.F/Btu] [deg] In Zone: **Skylights** Description Type U SHGC Vis.Trans W H (Effec) Multiplier Area **Total Area** [Btu/hr sf F] [ft] [Sf] [ft] [Sf] In Zone: In Roof: **Floors** No Description Heat Cap. Dens. Type Width H (Effec) Multi Area Cond. R-Value [ft] [Btu/hr. sf. F] [Btu/sf. F] [lb/cf] [ft] [h.sf.F/Btu] plier In Zone: SPA

							<b>─</b> ✓	ORIV	
1 F	LOOR	1 ft. soil, concrete floor, carpet and rubber pad	25.00 29.	84 1	746.0 0.2681	34.00		EILE AP AFILEMENT BUILDING DEPARTMENT his plan is for permitting purposes only, and does riciate, cancel, after or set aside any of the provisio dopled technical codes, ordnances, laws or regul sourance of a permit prevent the Bulding Official	s not imply ions of the ulations, al from
		·	Sys	tems			IT or	ny deficiencies which may have been omitted or	r // C
FC-1	FC-1	BD21021204001 Oli/13/22 No. Of Units 1							
Component	Category		Ca	pacity	Efficiency	IPLV			
1	Cooling System		335	10.00	14.00	8.00			Г
2	Heating System		437	40.00	8.20				Ī
3	Air Handling Syste	m -Supply	12	00.00	0.80				[
			Pla	nt					
Equipn	nent	Category	S	ize	Inst.No	Eff.		IPLV	
			Water He	aters					
W-Heat	ter Description	Capacity Cap.U	J <b>nit I</b> /I	P Rt.	Efficiency		Loss		
1 Electric S	torage water heater	3 [Gal]		8 [kW]	0.9200	[Ef]		[Btu/h]	
			Ext-Li	ghting					
Description		Category	No. of	Watts per			Control Type	Wattage	
			Luminaires	Luminair	e [sf/ft/N	[o]		[W]	

		Pipir	ng		* Approval c authority t	City of Hiar BUILDING DEPARTME (this plan is for permitting purposes only, a violate, canced, after or set saide any of the	NT nd does not imply
No	Туре	Operating Temperature [F]	Insulation Conductivity [ Btu-in/h.sf.F]	Nomonal pipe Diameter [in]	Insu Z on S	s suance of a permit present the Bullion go correction of errors in either the plans or any deficiency and the plans or any deficiency of the plans of the plans of BD21021204001 01/13/22 FOR CODE	construction, that or process.
1	Heating System (Steam, Steam Condensate, & Hot Water)	105.00	0.28	0.25	0.50	No	

Fenestration Used								
Name	Glass Type	No. of Panes	Glass Conductance [Btu/h.sf.F]	SHGC	VLT			

	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				
178	Matl178	CARPET W/RUBBER PAD	Yes	1.2300								
265	Matl265	Soil, 1 ft	No	2.0000	1.0000	0.5000	100.00	0.2000				
48	Matl48	6 in. Heavyweight concrete	No	0.5000	0.5000	1.0000	140.00	0.2000				
268	Matl268	0.625" stucco	No	0.1302	0.0521	0.4000	16.00	0.2000				
42	Matl42	8 in. Lightweight concrete block	No	2.0212	0.6670	0.3300	38.00	0.2000				
269	Matl269	.75" ISO BTWN24" oc	No	2.2321	0.0625	0.0280	4.19	0.3000				

#### **Constructs Used**

No	Name			Simple Construct	Massless Construct		ductance tu/h.sf.F]	F	leat Capacity [Btu/sf.F]	barren of this p	ity of Alianti ILDING DEARMENT In is to Carrier to To Bandon	is not imply sions of the
1011	5/8" stucco /8"CN BTWN24"oc/.5" C			No	No		0.21		5.73	requiring corn	nce of a permit prevent the Building Offici- cition of errors in either the plans or consti- ficiencies which may have been omitted ed in the plan review of armitting proces BD210212204001	ruction.
	Layer	Material No.	Material			Thickness [ft]	]	Framing Factor		ED F	BD21021204001 01/13/22 OR CODE CO	Wh
	1	268	0.625" stucco			0.0521		0.000				
	2	42	8 in. Lightweight co	oncrete block		0.6670		0.000				
	3	269	.75" ISO BTWN24"	oc oc		0.0625		0.000				
	4	187	GYP OR PLAS BO	ARD,1/2IN		0.0417		0.000				
No	Name			Simple Construct	Massless Construct		ductance tu/h.sf.F]	F	Ieat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1057	1 ft. soil, concrete	floor, carpet a	and rubber pad	No	No		0.27		34.00	113.33	3.7	
	Layer	Material No.	Material			Thickness [ft]		Framing Factor				
	1	265	Soil, 1 ft			1.0000		0.000				
	2	48	6 in. Heavyweight c	oncrete		0.5000		0.000				
	3	178	CARPET W/RUBB	ER PAD				0.000				

# **Profiles** BD21. O1/13/22 FOR CODE 6

## City of Aliami

0 No C	Classification No Class	sification	
 201	People	2	Fractional Null Schedule
202	Lighting	2	Fractional Null Schedule
203	Infiltration	2	Fractional Null Schedule
204	Equipment	2	Fractional Null Schedule
205	Sources	2	Fractional Null Schedule
206	HeatTemp	202	Set Point 55
207	CoolTemp	201	Set Point 99
208	Hot Water Schedule	2	Fractional Null Schedule
1,001	Heating Schedule	1	ON-OFF Null Schedule
	0 1 0 1 1 1	1	ON-OFF Null Schedule
1,002	Cooling Schedule		
1,002 1,003	Fan Operation Schedule	1	ON-OFF Null Schedule
 1,003 501 ACM	Fan Operation Schedule  1-NonRes ACM N		ON-OFF Null Schedule
 1,003 501 ACM 201	Fan Operation Schedule  I-NonRes ACM N People	519	ON-OFF Null Schedule  ACM Nonres People
 1,003  501 ACM 201 202	Fan Operation Schedule  1-NonRes ACM N People Lighting	519 507	ON-OFF Null Schedule  ACM Nonres People ACM Nonres Lights
 1,003  501 ACM 201 202 203	Fan Operation Schedule  I-NonRes ACM N  People Lighting Infiltration	519 507 516	ON-OFF Null Schedule  ACM Nonres People ACM Nonres Lights ACM Nonres Infiltration
1,003  501 ACM 201 202 203 204	Fan Operation Schedule  I-NonRes ACM N  People Lighting Infiltration Equipment	519 507 516 510	ON-OFF Null Schedule  ACM Nonres People ACM Nonres Lights ACM Nonres Infiltration ACM Nonres Equipment
 1,003  501 ACM 201 202 203 204 205	Fan Operation Schedule  I-NonRes ACM N People Lighting Infiltration Equipment Sources	519 507 516 510 2	ON-OFF Null Schedule  ACM Nonres People ACM Nonres Lights ACM Nonres Infiltration ACM Nonres Equipment Fractional Null Schedule
1,003  501 ACM 201 202 203 204 205 206	Fan Operation Schedule  I-NonRes ACM N People Lighting Infiltration Equipment Sources HeatTemp	519 507 516 510 2 501	ON-OFF Null Schedule  ACM Nonres People ACM Nonres Lights ACM Nonres Infiltration ACM Nonres Equipment Fractional Null Schedule ACM Nonres Heating
1,003  501 ACN 201 202 203 204 205 206 207	Fan Operation Schedule  I-NonRes ACM N People Lighting Infiltration Equipment Sources HeatTemp CoolTemp	519 507 516 510 2 501 504	ON-OFF Null Schedule  ACM Nonres People ACM Nonres Lights ACM Nonres Infiltration ACM Nonres Equipment Fractional Null Schedule ACM Nonres Heating ACM Nonres Cooling
1,003  501 ACM 201 202 203 204 205 206 207 208	Fan Operation Schedule  I-NonRes ACM N People Lighting Infiltration Equipment Sources HeatTemp CoolTemp Hot Water Schedule	519 507 516 510 2 501 504 522	ON-OFF Null Schedule  ACM Nonres People ACM Nonres Lights ACM Nonres Infiltration ACM Nonres Equipment Fractional Null Schedule ACM Nonres Heating ACM Nonres Cooling ACM Nonres Hot Water
1,003  501 ACM 201 202 203 204 205 206 207 208 1,001	Fan Operation Schedule  I-NonRes ACM N People Lighting Infiltration Equipment Sources HeatTemp CoolTemp Hot Water Schedule Heating Schedule	519 507 516 510 2 501 504 522 410	ON-OFF Null Schedule  ACM Nonres People ACM Nonres Lights ACM Nonres Infiltration ACM Nonres Equipment Fractional Null Schedule ACM Nonres Heating ACM Nonres Cooling ACM Nonres Hot Water Always ON
1,003  501 ACM 201 202 203 204 205 206 207 208	Fan Operation Schedule  I-NonRes ACM N People Lighting Infiltration Equipment Sources HeatTemp CoolTemp Hot Water Schedule	519 507 516 510 2 501 504 522	ON-OFF Null Schedule  ACM Nonres People ACM Nonres Lights ACM Nonres Infiltration ACM Nonres Equipment Fractional Null Schedule ACM Nonres Heating ACM Nonres Cooling ACM Nonres Hot Water

### **Schedules**

City of Aliami
BUILDING DEPARTMENT
If this plan is for permitting purposes only, and does
outside concert, after or set adde any of the provise

							60 01/13/22 NV
<u>1</u> 1	On/Of	f ON-O	FF Null Schedule				FOR CODE COMP
Hourly Sch. for: Monday 12/31/1989 ShHr1	Tuesday ShHr1	Wednesday ShHr1	Thursday ShHr1	Friday ShHr1	Saturday ShHr1	Sunday ShHr1	Holiday ShHr1
<u>2</u> 2	Fractio	on Fractio	onal Null Schedule				
Hourly Sch. for: Monday 12/31/1989 ShHr2	Tuesday ShHr2	Wednesday ShHr2	Thursday ShHr2	Friday ShHr2	Saturday ShHr2	Sunday ShHr2	Holiday ShHr2
<b>44</b> 44	Absolu	ute SetPt7	78				
Hourly Sch. for: Monday 12/31/1989 ShHr179	Tuesday ShHr179	Wednesday ShHr179	Thursday ShHr179	Friday ShHr179	Saturday ShHr179	Sunday ShHr179	Holiday ShHr179
<b>45</b> 45	Absolu	ute Set Po	oint 70				
Hourly Sch. for: Monday 12/31/1989 ShHr180	Tuesday ShHr180	Wednesday ShHr180	Thursday ShHr180	Friday ShHr180	Saturday ShHr180	Sunday ShHr180	Holiday ShHr180
<b>201</b> 201	Absolu	ute Set Po	oint 99				
Hourly Sch. for: Monday 12/31/1989 ShHr201	Tuesday ShHr201	Wednesday ShHr201	Thursday ShHr201	Friday ShHr201	Saturday ShHr201	Sunday ShHr201	Holiday ShHr201
<b>202</b> 202	Absolu	ute Set Po	oint 55				
Hourly Sch. for: Monday 12/31/1989 ShHr202	Tuesday ShHr202	Wednesday ShHr202	Thursday ShHr202	Friday ShHr202	Saturday ShHr202	Sunday ShHr202	Holiday ShHr202

						OR IN
<b>410</b> 410	On/Off	Always ON				City of Aliami BUILDING DEPARTMENT rocal of this plan is for permitting purposes only, and does not imply notify to violate, cancel, after or set audie any of the provisions of the
Hourly Sch. for: Monday 12/31/1989 ShHr410		Inesday Thursday 1r410 ShHr410	Friday ShHr410	Saturday ShHr410	Sunday ShHr410	urenly adopted technical codes, ordinances, laws or regulations, not do that sustained to planning herein the lightly Official from control data sustained to planning the control code in Application Control Code in Application Control Code in Application Control Code in Application Code in Code i
<b>412</b> 412	Absolute	Florida Commercial Ele	ctric Rate		·	SMAN22204001 01/13/22 FOR CODE COMPLY
Hourly Sch. for: Monday	Tuesday Wed	Inesday Thursday	Friday	Saturday	Sunday	Holiday
3/31/1989 ShHr413	ShHr413 ShH	r413 ShHr413	ShHr413	ShHr415	ShHr415	ShHr415
10/31/1989 ShHr412	ShHr412 ShH	r412 ShHr412	ShHr412	ShHr412	ShHr414	ShHr414
12/31/1989 ShHr413		r413 ShHr413	ShHr413	ShHr415	ShHr415	ShHr415
<b>501</b> 501	Absolute	ACM Nonres Heating				
Hourly Sch. for: Monday	Tuesday Wed	lnesday Thursday	Friday	Saturday	Sunday	Holiday
12/31/1989 ShHr501		r501 ShHr501	ShHr501	ShHr502	ShHr503	ShHr503
<b>504</b> 504	Absolute	ACM Nonres Cooling				
Hourly Sch. for: Monday 12/31/1989 ShHr504	· ·	Inesday Thursday r504 ShHr504	Friday ShHr504	Saturday ShHr505	Sunday ShHr506	Holiday ShHr506
<b>507</b> 507	Fraction	ACM Nonres Lights				
Hourly Sch. for: Monday 12/31/1989 ShHr507	· ·	Inesday Thursday ir507 ShHr507	Friday ShHr507	Saturday ShHr508	Sunday ShHr509	Holiday ShHr509
<b>510</b> 510	Fraction	ACM Nonres Equipmen	ıt			
Hourly Sch. for: Monday	Tuesday Wed	lnesday Thursday	Friday	Saturday	Sunday	Holiday
12/31/1989 ShHr510	ShHr510 ShH	r510 ShHr510	ShHr510	ShHr511	ShHr512	ShHr512
<b>513</b> 513	On/Off	ACM Nonres Fans				
Hourly Sch. for: Monday		lnesday Thursday	Friday	Saturday	Sunday	Holiday
12/31/1989 ShHr513	ShHr513 ShH	r513 ShHr513	ShHr513	ShHr514	ShHr515	ShHr515

								Lity of Aliami JILDING DEPARTMENT
<b>516</b> 516		Fraction	ACM No	onres Infiltration			Approval of this authority to viole currently ado; nor does its requiring co or any	Jain is for permitting purposes only, and does not imply the, cancel, after or set adde any of the provisions of the brief technical codes, ordinances, laws or regulations, ance of a permit prevent the Building Official from recition of errors in either the plans or construction, deficiencies which may have been omitted or belief the plan review or permitting process.
Hourly Sch. for: 12/31/1989	Monday ShHr516	Tuesday ShHr516	Wednesday ShHr516	Thursday ShHr516	Friday ShHr516	Saturday ShHr517	Sunday	Ship Son Code Control Control Code Code Code Code Code Code Code Code
<b>519</b> 519		Fraction	ACM No	onres People				
Hourly Sch. for: 12/31/1989	Monday ShHr519	Tuesday ShHr519	Wednesday ShHr519	Thursday ShHr519	Friday ShHr519	Saturday ShHr520	Sunday ShHr521	Holiday ShHr521
<b>522</b> 522		Fraction	ACM No	onres Hot Water				
Hourly Sch. for: 12/31/1989	Monday ShHr522	Tuesday ShHr522	Wednesday ShHr522	Thursday ShHr522	Friday ShHr522	Saturday ShHr523	Sunday ShHr524	Holiday ShHr524
<b>1,001</b> 1,001		Absolute	e Absolute	null schedule				
Hourly Sch. for: 12/31/1989	Monday ShHr10001	Tuesday ShHr10001	Wednesday ShHr10001	Thursday ShHr10001	Friday ShHr10001	Saturday ShHr10001	Sunday ShHr10001	Holiday ShHr10001
<b>1,002</b> 1,002		Absolute	e Absolute	null schedule				
Hourly Sch. for: 12/31/1989	Monday ShHr10002	Tuesday ShHr10002	Wednesday ShHr10002	Thursday ShHr10002	Friday ShHr10002	Saturday ShHr10002	Sunday ShHr10002	Holiday ShHr10002

#### City of Miami BUILDING DEPARTMENT **Hourly Schedules** THE POR CODE Values Hours 1 thru 8 Id Acronym Type Hours 9 - 16 Hours 17 - 24 1 ShHr1 On/Off OFF OFF OFF OFF OFF OFF OFF OFF On-Off Null Schedule **OFF** OFF OFF OFF **OFF** OFF OFF OFF OFF OFF OFF OFF **OFF** OFF OFF OFF 2 ShHr2 Fraction 0 0 0 0 0 0 0 0 Fraction Null Schedule 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 ShHr3 Absolute 0 0 0 0 0 0 0 0 Absolute Null Schedule 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 179 ShHr179 Absolute 78 78 78 78 78 78 78 78 Set point 78 F All Day 78 78 78 78 78 78 78 78 78 78 78 78 78 78 78 78 180 ShHr180 Absolute 70 70 70 70 70 70 70 70 Set Point 70 F All Day 70 70 70 70 70 70 70 70 70 70 70 70 70 70 70 70 201 ShHr201 Absolute 99 99 99 99 99 99 99 99 Set point 99 99 99 99 99 99 99 99 99 99 99 99 99 99 99 99 99 202 ShHr202 Absolute 45 45 45 45 45 45 45 45 Set Point 55 45 45 45 45 45 45 45 45 45 45 45 45 45 45 45 45 410 ShHr410 On/Off ON ON ON ON ON ON ON ON Always On schedule ON 411 ShHr411 On/Off **OFF** OFF OFF OFF OFF **OFF** OFF OFF Always Off Schedule OFF 0.03804 412 ShHr412 Absolute 0.03804 0.03804 0.03804 0.03804 0.03804 0.03804 0.03804 Florida Avg. Week Day Summer Elect 0.03804 0.03804 0.03804 0.0686 0.0686 0.0686 0.0686 0.0686 0.0686 0.0686 0.0686 0.0686 0.0686 0.03804 0.03804 0.03804

								Q	CORTO.	
413 ShHr413 Absolute Florida Avg. Week Day Winter Electri	0.03804 0.0686	0.03804 0.0686	0.03804 0.03804	0.03804 0.03804	0.03804 0.03804	0.0686 0.03804	0.0686 0.03804	0.0686 0.03804 *	City of Aliami BUILDING DEPARTMENT Approval of this plan is for permitting purposes only, and does	is not imply
414 ShHr414 Absolute Florida Avg. Week End Summer Elect	0.03804 0.03804 0.03804	0.0686 0.03804 0.03804	0.0686 0.03804 0.03804	0.0686 0.03804 0.03804	0.0686 0.03804 0.03804	0.0686 0.03804 0.03804	0.03804 0.03804 0.03804	0.03804 0.03804 0.03804	Approval of the plan is for permitting purposes orly, and done and the plan is for permitting purposes orly, and done and the plan is for permitting purposes orly, and done currently adopted technical codes, ordinances, law or rep- code issuance of a permit person the building Ortical required production of the permitting process permitting to the permitting process and deficiencies which may have been contribed overfooked in the plan review or permitting process and the permitten process and the permitting process and the permitting process and the permi	aichs of the judations, all from ruction, or s.
415 ShHr415 Absolute Florida Avg. Week End Winter Electri	0.03804 0.03804 0.03804	FOR CODE CO								
501 ShHr501 Absolute ACM Nonres Heating Weekday	0.03804 60 70	0.03804 60 70	0.03804 60 70	0.03804 60 70	0.03804 60 70	0.03804 65 70	0.03804 65 70	0.03804 70 70		
502 ShHr502 Absolute ACM Nonres Heating Saturday	70 60 65	70 60 65	65 60 65	60 60 65	60 60 65	60 65 65	60 65 65	60 65 65		
503 ShHr503 Absolute ACM Nonres Heating Sunday	60 60 65	60 60 65	60 60 65	60 60 65	60 60 65	60 65 65	60 65 65	60 65 65		
504 ShHr504 Absolute ACM Nonres Cooling Weekday	60 77 73	60 77 73	60 77 73	60 77 73	60 77 73	60 73 73	60 73 73	60 73 73		
505 ShHr505 Absolute ACM Nonres Cooling Saturday	73 77 73	73 77 73	77 77 73	77 77 73	77 77 73	77 73 73	77 73 73	77 73 73		
506 ShHr506 Absolute ACM Nonres Cooling Sunday	73 77 73	73 77 73	77 77 73	77 77 73	77 77 73	77 73 73	77 73 73	77 73 73		
507 ShHr507 Fraction ACM Nonres Lights Weekday	73 0.05 0.8	73 0.05 0.85	77 0.05 0.85	77 0.05 0.85	77 0.1 0.85	77 0.2 0.85	77 0.4 0.85	77 0.7 0.85		
508 ShHr508 Fraction ACM Nonres Lights Saturday	0.85 0.05 0.25	0.8 0.05 0.25	0.35 0.05 0.25	0.1 0.05 0.25	0.1 0.05 0.25	0.1 0.1 0.25	0.1 0.15 0.2	0.1 0.25 0.2		
509 ShHr509 Fraction ACM Nonres Lights Sunday	0.2 0.05 0.15	0.15 0.05 0.15	0.1 0.05 0.15	0.1 0.05 0.15	0.1 0.05 0.15	0.1 0.1 0.15	0.1 0.1 0.15	0.1 0.15 0.15		
	0.15	0.1	0.1	0.1	0.05	0.05	0.05	0.05		

								Q	OR TO
510 ShHr510 Fraction ACM Nonres Equipment Weekday	0.15 0.7	0.15	0.15	0.15	0.15	0.2	0.35	0.6	City of Aliami BUILDING DEPARTMENT
Tem romes Equipment weekday		0.7	0.7	0.7	0.7	0.7	0.7	0.7	al of this plan is for permitting purposes only, and does not imply
511 0111 511 7	0.65	0.45	0.3	0.2	0.2	0.15	0.15	0.15	of this plan is to permitting purposes only, and does not imply and the plan is to permitting purposes. The plan is to permitting purposes only, and does not imply adopted technical codes, ordinances, laws or regulations, does issuance of a permit prevent the bulling? Official from airrag comercial or derives in either the plans or construction, oversicolar of the plan review or permitting oversicolar
511 ShHr511 Fraction ACM Nonres Equipment Saturday	0.15 0.25	0.15 0.25	0.15 0.25	0.15 0.25	0.15 0.25	0.15 0.25	0.15 0.2	0.2 0.2	overlooked in the plan review or permitting process.  BD21021204001
1 1								0.2	01/13/22 OMP
512 ShHr512 Fraction	0.2 0.15	0.15 0.15	0.15 0.15	0.15 0.15	0.15 0.15	0.15 0.15	0.15 0.15	0.15 0.2	FOR CODE CO.
ACM Nonres Equipment Sunday	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.2	
	0.2	0.15	0.15	0.15	0.15	0.15	0.15	0.15	
513 ShHr513 On/Off	OFF	OFF	OFF	OFF	OFF	0.13 ON	0.13 ON	0.13 ON	
ACM Nonres Fans Weekday	ON								
	ON	ON	ON	ON	OFF	OFF	OFF	OFF	
514 ShHr514 On/Off	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	
ACM Nonres Fans Saturday	ON	OFF							
	OFF								
515 ShHr515 On/Off	OFF								
ACM Nonres Fans Sunday	OFF								
	OFF								
516 ShHr516 Fraction	1	1	1	1	1	0	0	0	
ACM Nonres Infiltration Weekday	0	0	0	0	0	0	0	0	
	0	0	0	0	1	1	1	1	
517 ShHr517 Fraction ACM Nonres Infiltration Saturday	1	1	1	1	1	0	0	0	
ACM Nomes initiation Saturday	0	0	0	0	0	0	0	1	
	1	1	1	1	1	1	1	1	
518 ShHr518 Fraction ACM Nonres Infiltration Sunday	1 1	1	1	1	1	1	1	1	
	-	I	1	1	1	1	1	1	
510 CH 510 F 4	1	1	1	1	1	1	1	1	
519 ShHr519 Fraction ACM Nonres People Weekday	0 0.65	0 0.65	0 0.65	0 0.6	0.05 0.6	0.1 0.65	0.25 0.65	0.65 0.65	
•									
520 ShHr520 Fraction	0.65 0	0.4 0	0.25 0	0.1 0	0.05 0	0.05 0	0.05 0.05	0 0.15	
ACM Nonres People Saturday	0.15	0.15	0.15	0.15	0.15	0.15	0.05	0.15	
	0.15	0.05	0.05	0.05	0	0	0	0	
521 ShHr521 Fraction	0.13	0.03	0.03	0.03	0	0	0	0.05	
ACM Nonres People Sunday	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
	0.05	0.05	0.05	0.05	0	0	0	0	

									Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q
522 ShHr522 Fraction ACM Nonres Hot Water Weekday	0	0	0	0	0.1	0.1	0.5	0.5	City of Aliami
	0.5	0.5	0.7	0.9	0.9	0.5	0.5	0.7	BUILDING DEPARTMENT  Approval of this plain is for permitting purposes only, and does not imply authority to violate, cancel, after or set aside any of the provisions of the
	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.1	currently adopted technical codes, ordinances, laws or regulations, nor does issuance of a permit prevent the Building Official from
523 ShHr523 Fraction	0	0	0	0	0	0	0.1	0.2	requiring correction of errors in either the plans or construction, or any deficiencies which may have been omitted or overfootled in the plan review or permitting process.
ACM Nonres Hot Water Saturday	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	Outcoded in the plan relevan operating process.  BD21021204001  01/13/22  FOR CODE COMPLE
	0.2	0.1	0.1	0.1	0	0	0	0	FOR CODE COM
524 ShHr524 Fraction	0	0	0	0	0	0	0	0.1	" CODE
ACM Nonres Hot Water Sunday	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
	0.1	0.1	0.1	0.1	0	0	0	0	
0,001 ShHr10001 Absolute	0	0	0	0	0	0	0	0	
Ábsolute Null Schedule	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	
0,002 ShHr10002 Absolute	0	0	0	0	0	0	0	0	
Ábsolute Null Schedule	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	