FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

riolida Depa	Turient of busine	ess and Profession	iai Regulation - Residentiai Pei	Torriance Method
Project Name:	Fisher - Gym		Builder Name:	
Street:	Г		Permit Office: Permit Number:	
City, State, Zip: Owner:	, FL,		Jurisdiction:	
Design Location:	FL, Gainesville		County: Columbia(Florida C	Climate Zone 2)
	•		•	,
New constructio	n or existing	New (From Plans)	10. Wall Types(612.0 sqft.)	Insulation Area
2. Single family or	multiple family	Detached	a. Frame - Wood, Exterior b. N/A	R=13.0 612.00 ft ²
3. Number of units	, if multiple family	1	c. N/A	
4. Number of Bedr	ooms	0	d. N/A	
5. Is this a worst ca	ase?	No	11. Ceiling Types(288.0 sqft.)	Insulation Area
6. Conditioned floo	r area above grade ((ft²) 288	a. Flat ceiling under att (Unvented) b. N/A	R=30.0 288.00 ft ²
Conditioned floo	r area below grade (ft²) 0	c. N/A	
7. Windows(50.0 s	sqft.) Description	Area	12. Roof(Comp. Shingles, Vented)	
a. U-Factor:	Dbl, U=0.26	50.00 ft ²	13. Ducts, location & insulation level	$R ext{ ft}^2$
SHGC: b. U-Factor:	SHGC=0.20 N/A	ft ²	a. b.	
SHGC:	IN/A	ıı	c.	
c. U-Factor:	N/A	ft ²	14. Cooling Systems	kBtu/hr Efficiency
SHGC:	0 1 5	4.5006	a. Central Unit	18.0 SEER2:18.00
Area Weighted Av Area Weighted Av	rerage Overhang Dep	oth: 1.500 ft 0.200		
_	-		15. Heating Systems	kBtu/hr Efficiency
Skylights U-Factor:(AVG)	Description N/A	Area N/A ft²	a. Electric Heat Pump	18.0 HSPF2:8.60
SHGC(AVG):	N/A			
9. Floor Types	ı	nsulation Area	16. Hot Water Systems	
a. Slab-On-Grade	_	R = 0.0 288.00 ft ²	a.	
b. N/A		$R = ft^2$ $R = ft^2$		
c. N/A	K	R= ft ²	b. Conservation features	
			17. Credits	CF, Pstat
			17. Credits	Oi , i stat
Glass/Floor Area: 0	.174	Total Proposed Modif	ed Loads: 15.06	D 4 6 6
		Total Basel	ne Loads: 19.12	PASS
I hereby certify that	the plans and specif	ications covered by	Review of the plans and	
	in compliance with th		specifications covered by this	OF THE STATE
Code.	\sim		calculation indicates compliance	
PREPARED BY: _	104	- _	with the Florida Energy Code. Before construction is completed	0
I NEI ANED DI		<u></u>	this building will be inspected for	
DATE:	11-27-23		compliance with Section 553.908	
Theorem 27 27 2	Alexa Espirato	tanggal ta ta a g	Florida Statutes.	
I hereby certify that with the Florida En		igned, is in compliance		COD WE TRUSTED
			BUILDING OFFICIAL:	
DATE:			DATE:	

- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.
- Proposed Qn of NAN exceeds the performance method default limit of 0.08 and therefore does not require duct testing. R405 .2.3
- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires a PERFORMANCE envelope leakage test report with envelope leakage no greater than 4.89 ACH50 (R402.4.1.2).

FORM R405-2022S INPUT SUMMARY CHECKLIST REPORT

					PRO	JECT	•						
Owr Build Build Perr Juris Fam New Yea	ding Type: her: der Home ID: der Name: hit Office: diction: hily Type: h/Existing:	Fisher - Gym User Detached New (From Plans) 2023		Total Sto Worst Ca Rotate A Cross Ve	is: ned Area: ries: ase: ngle: entilation: ouse Fan	0 288 1 No 0		Lot #: Block PlatB Stree Coun City, !	/SubDivisio ook: t:	Street Ad n: Columbia , FL,			
					CLIN	IATE							
	sign cation		Tmy Site		Des 97.5%	ign Tem 2.5		nt Desigr Vinter S		Heating Degree Days	Design Moisture		ly temp nge
Fl	_, Gainesville	FL	_GAINESVILLE_	REGION	A 32	92	!	70	75	1305.5	51	Mediu	ım
					BLO	CKS							
√ Nui	mber	Name	Area	Vo	lume								
1		Block1	288	25	92 cu ft								
					SPA	CES							
√ Nui	mber	Name	Area	Volume	Kitchen	Occi	upants	Bedro	ooms	Finished	Cool	ed H	eated
1		Gym	288	2592	Yes	:	2	0		Yes	Ye	s	Yes
					FLO	ORS		(Total E	xposed A	Area = 2	:88 sq.	.ft.)
/ #	Floor Typ	е	Space	Exposed	Perim	Perimete	er R-Valu	e Area	U-Factor	Joist R-Val	ue Tile \	Nood	Carpet
1	Slab-On-Gr	ade Edge Ins	Gym	5	0	0		288 f	t 0.473		0.00	1.00	0.00
					RO	OF							
\ #	Туре		Materials		Roof Irea	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Emi Tested	tt Emitt Tested	Deck Insul.	Pitch (deg)
1	Gable or sh	ed Co	mposition shingle	es 3	60 ft²	108 ft²	Medium	N	0.96	No 0.9) No	0	36.87
					AT	TIC							
V #	Туре		Ventilation	ı	Vent F	Ratio (1 i	n) A	rea	RBS	IRC	С		
1	Full attic		Vented			300	28	8 ft²	N	N			
					CEIL	ING		(Total E	xposed A	Area = 2	.88 sq	.ft.)
V #	Ceiling Ty	/ре	;	Space	R-Va	alue li	ns. Type	Area	a U-Fa	ctor Framin	ng Frac.	Truss	з Туре
1	Flat ceiling	under attic(Vented)		Gym	30	0.0	Blown	288.0	oft² 0.0	53 0	.11	Wo	ood

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										W	ALLS	3			(Tot	al Ex	pose	ed /	Area	ı = 6	12 sc	լ.ft.)	
\ #	Orn		djacent To		Wall Type			Space	е		Cavity R-Value	Widtl Ft			leigh t Ir		Area sq.ft			Sheath R-Valu		n. Solai c. Abso		
	1 N 2 E 3 S 4 W		Exterio Exterio Exterio Exterio	r I	Frame - Woo Frame - Woo Frame - Woo Frame - Woo	od od		(Gym Gym Gym Gym		13.0 13.0 13.0 13.0	18.0 16.0 18.0 16.0	0 0	9. 9.	.0 .0 .0	0 0 0 0	162.0 144.0 162.0 144.0	0.0	94 94		0.23 0.23 0.23 0.23	0.75 0.75	5 0 % 5 0 %	
										DO	OOR	3				(To	otal E	xpos	sed	Are	a =	24 sc	լ.ft.)	
V #	Orn	t	Adjace	nt To	Door Type	e		Space	е		Sto	rms		U-	-Valu	ıe		Vidth Ft In			eight In	,	Area	
	1 E		Exte	rior	Insulated	ł		Gyr	n		N	one			0.40)	3.0	0 0		8.00	0	2	4.0ft²	
									\	۸IN	IDOV	vs				(To	otal E	xpos	sed	l Are	a =	50 sc	լ.ft.)	
\(\psi \) #	Orn	Wa t ID	ll Frame)	Panes	NF	RC U	-Factor	SHG	C Imp	Storm	Tota Area (ft²)	a	Same Units	Wic (ft		Height (ft)	Ove Depth (ft)	Se		Interio	r Shade	e Scre	en
	N S		1 Vinyl 3 Vinyl		w-E Double w-E Double			0.26 0.26	0.20 0.20		N N	20.0 30.0		2 2	2.0		5.00 6.00	1.5 1.5		.3 .3		one one	None None	
									INI	FIL.	TRAT	ΓΙΟΝ	I											
V #	Sco	ре	1	Metho	d		SLA	Ą	CFM50		ELA	Eq	ĮLΑ		ACH		ACH5	0 Sp	ace(s)	Infiltr	ation Te	est Volui	ne
	1 W	/holeh	ouse Pr	opose	ed ACH(50)		0.000	28	211		11.59	21	.76	0	.1004	4	4.9		All		2592	cu ft		
										N	IASS													
V #	М	ass T	уре				Are	а			Thickne	ss		Furn	iture	Frac	ction		Sp	ace				
	1 D	efault	(8 lbs/sq.f	t.)			0 ft	2			0 ft				0.3	30			G	∋ym				
									HEA [.]	TIN	G SY	'STE	ΞM	1										
V #	S	ystem	Туре		;	Subty	pe/Sp	peed	AHI	RI#	Effic	ciency		Capac kBtu/l		Ent	Geoth ry P	nermal 'ower			o urrent	Ducts	Block	
	1 EI	ectric	Heat Pur	np		Non	e/Sin	gle			HSPF	2: 8.60)	18.0)			0.00	0.	00	0.00	sys#0	1	
								(coo	LIN	IG SY	/STI	ΕN	1										
V #	S	ystem	Туре			Subty	pe/Sp	peed	АНІ	RI#	Ef	ficienc	у		Capa kBtu			Air Flo cfm	w	SI	⊣R	Duct	Block	
	1 C	entral	Unit			No	one/S	ingle			SE	ER2:18	3.0	18.0)			540		0.	85 C	uctless	1	

FORM R405-2022S

INPUT SUMMARY CHECKLIST REPORT

					НОТ	WAT	ER SY	STEM						
V #	System Type	Subtype)	Location		EF(UEF)) Cap	Use	SetPnt	Fixture	Flow	Pipe Ins.	Pipe	length
	Recirculation Recirc Control System Type		Loop length		Branch Pump length power			Facilitie Connec			DWHR Eff	Other Credits		
						DU	JCTS							
√ Buo √ #		ply R-Value A		Reteation I	urn R-Value		Leakage	Туре	Air Handler	CFM 25 TOT	CFM 25 OUT			HVAC # at Cool
					TE	MPE	RATU	RES						
Prog Coo Hea Ven	ting [X] Jan	ostat: Y [] Feb [X] Feb [] Feb	[] Mar [X] Mar [X] Mar	[] Apr [] Apr [X] Apr	[] M [] M [] M	1ay [ns: N (] Jun] Jun] Jun	[X] Jul [] Jul [] Jul	[X] Aug [] Aug [] Aug	[X] Sep [] Sep [] Sep	[]O []O [X]O	ct [X]	Nov	[] Dec [X] Dec [] Dec
	nermostat Sched chedule Type	ule: HERS	2006 Refere	ence 2	3	4	5	Hou 6	ırs 7	8	9	10	11	12
c	ooling (WD)	AM PM	78 80	78 80	78 80	78 80	78 78	78 78	78 78	78 78	80 78	80 78	80 78	80 78
c	ooling (WEH)	AM PM	78 80	78 80	78 80	78 80	78 78	78 78	78 78	78 78	80 78	80 78	80 78	80 78
н	eating (WD)	AM PM	65 68	65 68	65 68	65 68	65 68	65 68	65 68	68 68	68 68	68 68	68 68	68 68
Н	eating (WEH)	AM PM	65 68	65 68	65 68	65 68	65 68	65 68	65 68	68 68	68 68	68 68	68 68	68 68