

APPENDIX CA

FORMS

FLORIDA BUILDING CODE, ENERGY CONSERVATION CHAPTER C4—COMMERCIAL ENERGY EFFICIENCY					
Form C402-2020 ALTERATIONS, RENOVATIONS and BUILDING SYSTEMS					
			Climate Zone:	2A	
Project Name: Interior Modifications for New TFPS Physician Clinic			Occupancy type:		
Address: 900 S.E. Becker Road			Alteration <input type="checkbox"/> Renovation <input checked="" type="checkbox"/> Building System <input type="checkbox"/>		
City, Zip Code: Port St. Lucie, FL 34983			Building Permit No.:		
Builder:			Permitting Office: St. Lucie County		
Owner:					
BUILDING ENVELOPE INFORMATION (Where changed)					
Envelope Component	Description	Requirement		Efficiency	
		Location	Unit	Required	Installed
Roof type	Existing	Table C402.1.4 or Table C402.1.3	\leq U-factor or \geq R-value	Existing	
Roof reflectance/Emittance (low slope roofs)	Existing	Table C402.3	\geq Solar reflectance, \geq Thermal emittance	Existing	
Wall type, above grade	Existing	Table C402.1.4 or Table C402.1.3	\leq U-factor or \geq R-value	Existing	
Wall, below grade	N/A			Existing	
Floor type	Concrete			NR	
Vertical fenestrations	Existing	Table C402.4	\leq U-factor	Existing	
			\leq SHGC	Existing	
Skylights	N/A		\leq U-factor		
			\leq SHGC		
BUILDING SYSTEMS INFORMATION [for HVAC, service hot water or pool heating, lighting systems and replacement fenestration (C501.7)]					
System	Type (describe system)	Requirement		Efficiency	
		Location	Unit	Required	Installed
Air-conditioning system	Existing DX Split System	Tables C403.2.3 (1-3, 6-8, 9-11)	SEER or EER, IEER	Existing	
Heating system	Existing Electric Heat	Tables C403.2.3 (2-6)	HSPF or COP AFUE, E_i or E_c	Existing	
Ventilation/air handling system	Existing O/A intake	Tables C403.2.12.1 (1-2)	Fan power (cfm)		
Ducts	Location: Above Ceiling	Table C403.2.9.1	R-value	R-6	R-6
Piping	Fluid design operating temp:	Table C403.2.10	Inches		
Hot water	Electric Tank Type	Table C404.2	EF, E_p , COP	0.9208	0.93
Lighting	Space types: (append list)	Table C405.3.2 (1 or 2)	Lighting power density	0.79	0.78
Fenestrations: Enter information in BUILDING ENVELOPE INFORMATION box above.			OFFICE	W/SQFT	W/SQFT
Other:					
COMPLIANCE IS BY ANSI/ASHRAE/IESNA 90.1 <input type="checkbox"/> (Submit alternate form or append documents as needed)					
I hereby certify that the plans and specifications covered by the calculation are in compliance with the Florida Building Code, Energy Conservation. PREPARED BY: Kamal Halabi, P.E. DATE: 9/30/22			Review of plans and specifications covered by this calculation indicates compliance with the Florida Building Code, Energy Conservation. Before construction is completed, this building will be inspected for compliance in accordance with Section 553.908, F.S. BUILDING OFFICIAL: _____ DATE: _____		