Effective March 1, 2009													
	FLO						UILDING CONSTR Compliance Methods	RUCTION					
Form 400B-08 Building Prescriptive En	ıvelope Metho			X 13-4 - Com	meren	ii Dunuing (compliance Methods			All Climate Zones	S		
Project Name:							by this form: shell buildings , limited or special use build				upancy		
Project Name: Address:						assification:	9, iimited or special use buil	aing, building s	system cha	ngeouis).			
Address: City, Zip Code:						Building Permit No.:							
Builder:					Permitting Office:								
Owner:				Ju	urisdiction	n No.:							
				BUILDING E	NVELOF	PE INFORMATI	ION						
ENVELOPE COMPONENT		<i>U</i> -factor	Absorptance										
Roof:		O-lactor	Absor	Absorptance									
Wall:													
Floor:													
Fenestration				ax. SHGC Il orientation									
Vertical glazing type, % of Skylight type, % of roof:	of wall:												
Okylight type, 70 or root.				SYSTI	EMS INF	ORMATION							
SYSTEM	Type (describ	pe system)				Size (capacity))	Sizing calc.	Efficiency		Rating		
Air-conditioning system													
Heating system									CEM		-		
Ventilation Ducts		Loca	Location:			Fan Power:			CFM R-value				
Piping			operating temp:		Size of pipe:			Inches					
Hot water		1 1010	cruting temp.		οίεο οι μίμο.			EF					
Electric power	Drawings			Y N	1	Operations ma	anual available upon comple	tion: Y N					
Motors	Open or encl	osed			Poles & speed		ı	Horsepow		er:			
Lighting	Space type:					Lighting power							
				DDESC	DIDTIVE	MEASURES							
					, TIF IIV L	MLASONES					Ta		
Components	Section		quirement								Check		
Operations Manual				anual provided to			2				+		
Windows & Doors			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, weatherstripped or otherwise sealed.										
Dropped Ceiling Cavity	13-406.AB.1.4		Vented: seal & insulated ceiling. Unvented seal & insulate roof & side walls.										
Reheat	13-407.B		Electric resistance reheat prohibited.										
HVAC Efficiency	13-407, 13-408	Hea	Minimum efficiencies: Cooling Tables 13-407.AB.3.2A-D; 13-407.AB.3.2G-J; Heating Tables 13-407.AB.3.2B, 13-407.AB.3.2D, 13-408.AB.3.2E-F.										
HVAC Controls	13-407.AB.2		Zone controls prevent reheat (exceptions); separate thermostatic control per zone; combined HAC control 5°F deadband (exceptions).										
Ventilation	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.											
HVAC Ducts	13-410.AB		Air ducts, fittings, mechanical equipment & plenum chambers shall be mechanically attached, sealed, insulated & installed per Sec. 13-410.AB. Fan power limitations.										
Balancing	13-410.AB.4	HV	HVAC distribution system(s) tested & balanced. Report in construction documents.										
Piping Insulation	13-411.AB						\vdash						
Water Heaters	13-412.AB	3-412.AB Performance requirements in accordance with Table 13-412.AB.3. Heat trap required.											
Swimming Pools	13-412.AB.2.6							\vdash					
Hot Water Pipe Insulation	13-412.AB.4							\perp					
Water Fixtures	13-412.AB.2.5.		Shower heat water flow restricted to 2.5 gpm at 80 psi. Public lavatory fixture max. Flow 0.5 gpm; if self-closing valve 0.25 gallon circulating, 0.5 gallon noncirculating.										
Lighting Controls	13-415.AB	Automatic control required for interior lighting in buildings >5,000 s.f.; Space control; Exterior photo swiring where 1-3 linear fluorescent lamps >30W.				hoto sensoi	; Tandem						
If required by Florida law ARCHITECT: ELECTRICAL SYSTEM DE LIGHTING SYSTEM DES MECHANICAL SYSTEM PLUMBING SYSTEM DES LIGHTING SYSTEM DES	DESIGNER: IGNER: DESIGNER: SIGNER:								tion numb		th the		
I hereby certify that the plans and specifications covered by the calculation are in compliance with the Florida Energy Code. PREPARED BY: DATE: I hereby certify that the plans and specifications covered by this calculation indicates compliance with Florida Energy Code. Before construction is completed, this building will be inspected for compliance with Section 553.908, F.S. BUILDING OFFICIAL: DATE: DATE:													

	BUILDING EN	NVELOPE REQUIREMENTS				
Building Eler	nent	Mandatory Requirements				
Roof: Absorptance U-factor		≤ 0.22 ≤ 0.027				
Wall: Absorptance U-factor		≤ 0.3 ≤ 0.089				
Raised Floor Insulation: U-factor		≤ 0.052				
Windows: U-factor Window Area		≤ 0.45 ≤ 50% window to wall area ratio				
SHGC 0-40% WW Ratio SHGC 40-50% WW Ratio		0.61 North 0.25 all others 0.44 North				
Overhang Projection Factor (PF)		0.25 all others 0.5 (projection half the distance of window height)				
Skylights: SHGC Skylight <i>U</i> -factor Maximum percent of roof area		≤ 0.19 ≤1.36 5 percent				
Opaque Door <i>U</i> -factor Swinging Non-swinging		≤ 0.70 ≤ 1.45				
	BUILDING S	SYSTEM REQUIREMENTS				
SHELL BUILDINGS:		Lighting and HVAC must be sufficiently efficient to meet Method A criteria for the entire space at time of build-out.				
OTHER BUILDING TYPES: Replacement syst HVAC Equipment	ems*					
Air conditioner (0-65 KBtuh)	13.0 SEER	Gas furnace (0-225 KBtuh)	80% AFUE			
Air conditioner (> 65-135 KBtuh)	10.3 EER	Gas furnace (>225 KBtuh)	80% E _c			
Air conditioner (>135-240 KBtuh)	9.7 EER					
Air conditioner (> 240-760 KBtuh)	9.5 EER, 9.7 IPLV	Heat pump (0 – 65 KBtuh)	13.0 SEER/ 7.7 HSPF			
Air conditioner (> 760 KBtuh)	9.2 EER, 9.4 IPLV	Heat pump (> 65 – 135 KBtuh)	9.9 EER/3.2 COP			
		Heat pump (>135-240 KBtuh)	9.1 EER/3.1 COP			
		Heat pump (> 240 KBtuh)	8.8 EER, 9.0 IPLV/3.1 COP			
Service Hot Water		Lighting				
Gas storage ≤ 75,00 Btu/h, ≥ 20 gallons	0.67-0.0019V EF		LPD for space type on Table 13-415.B.1.			
Gas storage > 75,000 Btu/h	80% E,					
Gas instantaneous	80% E _t					
Electric storage ≤ 12 kW	0.97 – 0.0032xV EF					
Pipe insulation (d < 1.5", d≥1.5")	0.5", 1.0"					

^{*}Other types of replacement equipment shall meet the code minimum for that type of equipment in the applicable table of Section 13-407, 13-408 and 13-412.