

2022 Supplement to the 7th Edition (2020) Florida Building Code

(Code language for consistency with SB 1140)

7th Edition (2020) Florida Building Code – Building

CHAPTER 1 SCOPE AND ADMINISTRATION

SECTION 105 PERMITS

Revise section 105.3.1.2 (Item 4) to read as follows:

4. Any specialized mechanical, electrical, or plumbing document for any new building or addition which includes a medical gas, oxygen, steam, vacuum, toxic air filtration, halon, or fire detection and alarm system which costs more than \$5,000.

Exception:

Simplified permitting process for fire alarm system projects. —

(1) As used in this section, the term:

(a) “Contractor” means a person who is qualified to engage in the business of electrical or alarm system contracting pursuant to a certificate or registration issued by the department under part II of chapter 489, Florida Statutes.

(b) “Fire alarm system project” means a fire alarm system alteration of a total of 20 or fewer initiating devices and notification devices, or the installation or replacement of a fire communicator connected to an existing fire alarm control panel in an existing commercial, residential, apartment, cooperative, or condominium building.

(2)(a) A local enforcement agency may require a contractor, as a condition of obtaining a permit for a fire alarm system project, to submit a completed application and payment.

(b) A local enforcement agency may not require a contractor to submit plans or specifications as a condition of obtaining a permit for a fire alarm system project.

(3) A local enforcement agency must issue a permit for a fire alarm system project in person or electronically.

(4) A local enforcement agency must require at least one inspection of a fire alarm system project to ensure compliance with applicable codes and standards. If a fire alarm system project fails an inspection, the contractor must take corrective action as necessary to pass inspection.

(5) A contractor must keep a copy of the plans and specifications at a fire alarm system project worksite and make such plans and specifications available to the inspector at each inspection.

Revise section 105.17 (1)(b) to read as follows:

(b) “Low-voltage alarm system project” means a project related to the installation, maintenance, inspection, replacement, or service of a new or existing alarm system, as defined in s. 489.505, Florida Statutes, including video cameras and closed-circuit television systems used to signal or detect a burglary, fire, robbery, or medical emergency, that is hardwired and operating at low voltage, as defined in the National Electrical Code Standard 70, Current Edition, or a new or existing low voltage electric fence. The term also includes, and ancillary components or equipment attached to such a low-voltage alarm system or low-voltage electric fence, including, but not limited to, home-automation

equipment, thermostats, closed-circuit television systems, access controls, battery recharging devices, and video cameras.

(Code language for consistency with HB 423)

Add section 105.3.1.3 to read as follows:

104.3.1.3 Reviewing application for building permit.

1. When reviewing an application for a building permit, a local government may not request additional information from the applicant more than three times, unless the applicant waives such limitation in writing.

2. If a local government requests additional information from an applicant and the applicant submits the requested additional information to the local government within 30 days after receiving the request, the local government must, within 15 days after receiving such information:

a. Determine if the application is properly completed;

b. Approve the application;

c. Approve the application with conditions;

d. Deny the application; or

e. Advise the applicant of information, if any, that is needed to deem the application properly completed or to determine the sufficiency of the application.

3. If a local government makes a second request for additional information from the applicant and the applicant submits the requested additional information to the local government within 30 days after receiving the request, the local government must, within 10 days after receiving such information:

a. Determine if the application is properly completed;

b. Approve the application;

c. Approve the application with conditions;

d. Deny the application; or

e. Advise the applicant of information, if any, that is needed to deem the application properly completed or to determine the sufficiency of the application.

4. Before a third request for additional information may be made, the applicant must be offered an opportunity to meet with the local government to attempt to resolve outstanding issues. If a local government makes a third request for additional information from the applicant and the applicant submits the requested additional information to the local government within 30 days after receiving the request, the local government must, within 10 days after receiving such information unless the applicant waived the local government's limitation in writing, determine that the application is complete and:

a. Approve the application;

b. Approve the application with conditions; or

c. Deny the application.

5. If the applicant believes the request for additional information is not authorized by ordinance, rule, statute, or other legal authority, the local government, at the applicant's request, must process the application and either approve the application, approve the application with conditions, or deny the application.

(Code language for consistency with New DOE Energy Efficiency Standards)

7th Edition (2020) Florida Building Code - Energy Conservation

Commercial Provisions

Chapter 4 [CE] COMMERCIAL ENERGY EFFICIENCY

Revise Table C403.2.3(1) to read as follows:

TABLE C403.2.3(1)

MINIMUM EFFICIENCY REQUIREMENTS:

ELECTRICALLY OPERATED UNITARY AIR CONDITIONERS AND CONDENSING UNITS

EQUIPMENT TYPE	SIZE CATEGORY	HEATING SECTION TYPE	SUBCATEGORY OR RATING CONDITION	MINIMUM EFFICIENCY	TEST PROCEDURE ^a
Air conditioners, air cooled	< 64 5,000 Btu/h ^b	All	Split System, <u>single phase</u> ^b	14.0 SEER <u>before 1/1/2023</u> 14.3 SEER ² <u>after 1/1/2023</u>	AHRI 210/240 – 2017 <u>before 1/1/2023</u> AHRI 210/240 – 2023 <u>after 1/1/2023</u>
	≥ 45,000 Btu/h ^b and < 65,000 Btu/h ^b			14.0 SEER <u>before 1/1/2023</u> 13.8 SEER ² <u>after 1/1/2023</u>	
	< 65,000 Btu/h ^b		Single Package, <u>single phase</u> ^b	14.0 SEER	
Through-the-wall (air cooled)	≤30,000 Btu/h ^b	All	Split system, <u>three phase and US applications single phase</u> ^b	12.0 SEER	
			Single Package, <u>three phase and US applications single phase</u> ^b	12.0 SEER	
Small-duct high-velocity (air cooled)	< 65,000 Btu/h ^b	All	Split system, <u>single phase</u> ^b	12.0 SEER	
Air conditioners, air cooled	≥ 65,000 Btu/h and < 135,000 Btu/h	Electric Resistance (or None)	Split System and Single Package	11.2 EER 12.9 IEER	AHRI 340/360
		All other	Split System and Single Package	11.0 EER 12.7 IEER	
	≥ 135,000 Btu/h and < 240,000 Btu/h	Electric Resistance (or None)	Split System and Single Package	11.0 EER 12.4 IEER	
		All other	Split System and Single Package	10.8 EER 12.2 IEER	
≥ 240,000 Btu/h and	Electric Resistance (or None)	Split System and Single Package	10.0 EER 11.6 IEER		

	< 760,000 Btu/h	All other	Split System and Single Package	9.8 EER 11.4 IEER
	≥ 760,000 Btu/h	Electric Resistance (or None)	Split System and Single Package	9.7 EER 11.2 IEER
		All other	Split System and Single Package	9.5 EER 11.0 IEER

(continued)

COMMERCIAL ENERGY EFFICIENCY

**TABLE
C403.2.3(1)—
continued MINIMUM
EFFICIENCY
REQUIREMENTS:**

**ELECTRICALLY OPERATED UNITARY AIR CONDITIONERS AND
CONDENSING UNITS^c**

EQUIPMENT TYPE	SIZE CATEGORY	HEATING SECTION TYPE	SUB-CATEGORY OR RATING CONDITION	MINIMUM EFFICIENCY	TEST PROCEDURE ^a	
Air conditioners, water cooled	< 65,000 Btu/h ^b	All	Split System and Single Package	12.1 EER 12.3 IEER	AHRI 210/240	
	≥ 65,000 Btu/h and < 135,000 Btu/h	Electric Resistance (or None)	Split System and Single Package	12.1 EER 13.9 IEER	AHRI 340/360	
		All other	Split System and Single Package	11.9 EER 13.7 IEER		
	≥ 135,000 Btu/h and < 240,000 Btu/h	Electric Resistance (or None)	Split System and Single Package	12.5 EER 13.9 IEER		
		All other	Split System and Single Package	12.3 EER 13.7 IEER		
	≥ 240,000 Btu/h and < 760,000 Btu/h	Electric Resistance (or None)	Split System and Single Package	12.4 EER 13.6 IEER		
		All other	Split System and Single Package	12.2 EER 13.4 IEER		
	≥ 760,000 Btu/h	Electric Resistance (or None)	Split System and Single Package	12.2 EER 13.5 IEER		
		All other	Split System and Single Package	12.0 EER 13.3 IEER		
	Air conditioners, evaporatively cooled	< 65,000 Btu/h ^b	All	Split System and Single Package		12.1 EER 12.3 IEER
≥ 65,000 Btu/h and < 135,000 Btu/h		Electric Resistance (or None)	Split System and Single Package	12.1 EER 12.3 IEER		AHRI 340/360
		All other	Split System and Single Package	11.9 EER 12.1 IEER		
≥ 135,000 Btu/h and < 240,000 Btu/h		Electric Resistance (or None)	Split System and Single Package	12.0 EER 12.2 IEER		
		All other	Split System and Single Package	11.8 EER 12.0 IEER		
≥ 240,000 Btu/h and < 760,000 Btu/h		Electric Resistance (or None)	Split System and Single Package	11.9 EER 12.1 IEER		
		All other	Split System and Single Package	11.7 EER 11.9 IEER		
≥ 760,000 Btu/h		Electric Resistance (or None)	Split System and Single Package	11.7 EER 11.9 IEER		
		All other	Split System and Single Package	11.5 EER 11.7 IEER		
Condensing units, air cooled		≥ 135,000 Btu/h			10.5 EER 11.8 IEER	
Condensing units, water cooled	≥ 135,000 Btu/h			13.5 EER 14.0 IEER		

Condensing units, evaporatively cooled	≥ 135,000 Btu/h			13.5 EER 14.0 IEER	
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For SI: 1 British thermal unit per hour = 0.2931 W.

- a. Chapter 6 contains a complete specification of the referenced standards, which include test procedure, including the reference year version of the test procedure.
- b. Single-phase, US air-cooled air conditioners less than 65,000 Btu/h are regulated by NAECA as consumer products by the US Department of Energy Code of Federal Regulations DOE 10 CFR 430. SEER and SEER2 values for single-phase products are set by the US Department of Energy. SEER values are those set by NAECA.

7th Edition (2020) Florida Building Code - Energy Conservation

Residential Provisions

APPENDIX RD — FORMS

Revise Form R402 to read as follows:

FORM R402

EQUIPMENT REQUIREMENTS AND INSTALLED VALUES

Fill in the "INSTALLED EFFICIENCY LEVEL" column with the information requested. For multiple systems of the same type, indicate the minimum efficient system. All "INSTALLED" values must be equal to or more efficient than the required level. If a listed "SYSTEM TYPE" is not to be installed, write in "N/A" for not applicable.

SYSTEM TYPE	MINIMUM EFFICIENCY LEVEL REQUIRED	INSTALLED EFFICIENCY LEVEL
Air distribution system ¹ Air handling unit Duct R-value	Not allowed in attic Factory Sealed = R-8 (Ducts in unconditioned attics, Diameter ≥ 3 in.) = R-6 (Ducts in unconditioned non attics, Diam. ≥ 3 in.) = R-6 (Ducts in unconditioned attics, Diameter < 3 in.) = R-4.2 (Ducts in unconditioned not attics, Diam. < 3 in.) All ducts are in conditioned space (No minimum)	Location: Factory Sealed? Y/N R-Value (In unc. attic) = R-Value (In unc. non attics) = R- Value (Small ducts in attic) = R- Value (Small ducts in unc) = All in conditioned space ? Y/N
Air leakage/Duct test Duct testing	Air handler installed: Total leakage = 4 cfm/100 s.f. Air handler not installed: Total leakage = 3 cfm/100 s.f. Test not required if all ducts and AHU are within the building thermal envelope and for additions or alterations where ducts extended from existing heating and cooling system through unconditioned space are < 40 linear ft.	Total leakage = _____ cfm/100 s.f. Air handler installed? Y/N Test report required? Y/N
Air conditioning systems: Central system ≤ 645,000 Btu/h Central system ≥ 45,000 Btu/h PTAC Other:	Minimum federal standard required by NAECA ² : SEER ₂ = 14.0 ₃ SEER ₂ = 13.8 EER [from Table C403.2.3(3)] See Tables C403.2.3(1)–(11)	Cap. (Btu/h) = SEER ₂ (Min) = EER (Min) = Type = Effic. (min) =
Heating systems: Heat pump ≤ 65,000 Btu/h Gas furnace, non-weatherized Oil furnace, non-weatherized Other:	Minimum federal standard required by NAECA ² : HSPF ≥ 8.2 HSPF/AFUE ≥ 80% HSPF/AFUE ≥ 83%	HSPF (Min) = AFUE (Min) = AFUE (Min) = Type = Effic. (min) =
Water heating system (storage type): Electric ^{3, 6} Gas fired ^{4, 6} Other (describe) ^{5, 6} :	Minimum federal standard required by NAECA ² : UEF 40 gal. 0.923; 50 gal.: 0.921; 60 gal.: 2.051 UEF 40 gal. 0.580; 50 gal.: 0.563; 60 gal.: 0.766	Capacity = UEF (Min) = UEF (Min) = Type = Effic. (min) =

Equipment Efficiency—[PASS / FAIL]

- (1) Ducts & AHU installed “substantially leak free” per Section R403.3.2. Test required by either individuals as defined in Section 553.993(5) or (7), *Florida Statutes*, or individuals licensed as set forth in Section 489.105(3)(f), (g), or (i), *Florida Statutes*. The total leakage test is not required for ducts and air handlers located entirely within the building thermal envelope, and for additions where ducts from an existing heating and cooling system extended to the addition through unconditioned space are less than 40 linear ft.
- (2) Minimum efficiencies are those set by the *National Appliance Energy Conservation Act* of 1987 for typical residential equipment and are subject to NAECA rules and regulations. For other types of equipment, see Tables C403.2.3 (1-11) of the Commercial Provisions of the *Florida Building Code, Energy Conservation*.
- (3) For electric storage volumes ≤ 55 gallons, minimum UEF = $0.9349 - (0.0001 * \text{volume})$. For electric storage volumes > 55 gallons, minimum UEF = $2.2418 - (0.0011 * \text{volume})$.
- (4) For natural gas storage volumes ≤ 55 gallons, minimum UEF = $0.692 - (0.0013 * \text{volume})$. For natural gas storage volumes > 55 gallons, minimum UEF = $0.8072 - (0.0003 * \text{volume})$.
- (5) For electric tankless, min. UEF = 0.92. For natural gas tankless, min. UEF = 0.81.
- (6) Referenced UEFs shown are for medium draw pattern value provided by manufacturer.

No change to the remaining text