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

**Residential Provisions**

# APPENDIX RD — FORMS

Revise Form R402 to read as follows:

**FORM R402—continued**

**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 system1 | Not allowed in attic | Location: | |
| Air handling unit Duct *R*-value | 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) | 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 | Air handler installed: Total leakage = 4 cfm/100 s.f.  Air handler not installed: Total leakage = 3 cfm/100 s.f. | Total leakage = \_ cfm/100 s.f. Air handler installed? Y/N | |
| Duct testing | 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. | Test report required? Y/N | |
| Air conditioning systems:  Central system ~~~~ < ~~6~~45,000 Btu/h  Central system ≥ 45,000 Btu/h  Central heat pump  PTAC  Other: | Minimum federal standard required by NAECA2: SEER2 = 14.~~0~~3  SEER2 = 13.8  SEER2 = 14.3  EER [from Table C403.2.3(3)]  See Tables C403.2.3(1)–(11) | Cap. (Btu/h)=  SEER2 (Min)=  SEER2 (Min)=  EER (Min)=  Type = | Effic. (min) = |
| Heating systems:  Heat pump ~~ 65,000 Btu/h~~  Gas furnace, non-weatherized Oil furnace, non-weatherized | Minimum federal standard required by NAECA2: HSPF2  ~~8.2~~7.5  ~~HSPF~~AFUE  80%  ~~HSPF~~AFUE  83% | HSPF2 (Min) = AFUE (Min) = AFUE (Min) = |  |
| Other: | Type = | Effic. (min) = |
| Water heating system (storage type): | Minimum federal standard required by NAECA2: | Capacity = |  |
| Electric3, 6  Gas fired4, 6 | 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 | UEF (Min) = UEF (Min) = |  |
| Other (describe)5, 6: |  | 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 \* volume). For electric storage volumes > 55 gallons, minimum UEF = 2.2418 – (0.0011

\* volume).

1. For natural gas storage volumes  55 gallons, minimum UEF = 0.692 – (0.0013 \* volume). For natural gas storage volumes > 55 gallons, minimum UEF = 0.8072 – (0.0003 \* volume).
2. For electric tankless, min. UEF = 0.92. For natural gas tankless, min. UEF = 0.81.
3. Referenced UEFs shown are for medium draw pattern value provided by manufacturer.

No change to the remaining text