



Generated by REScheck-Web Software

# Compliance Certificate

Project Bangor Prototypical Housing - 3 Unit

Energy Code: **2021 IECC**  
Location: **Bangor, Maine**  
Construction Type: **Multi-family**  
Project Type: **New Construction**  
Project SubType: **None**  
Conditioned Floor Area: **3,832 ft2**  
Glazing Area: **15%**  
Climate Zone: **6 (7930 HDD)**  
Permit Date:  
Permit Number:  
All Electric: **false**  
Is Renewable: **false**  
Has Charger: **false**  
Has Battery: **false**  
Has Heat Pump: **false**

Construction Site:

Owner/Agent:

Designer/Contractor:

## Compliance: Passes using UA trade-off

Compliance: **6.7% Better Than Code** Maximum UA: **384** Your UA: **358**

The % Better or Worse Than Code Index reflects how close to compliance the house is based on code trade-off rules.  
It DOES NOT provide an estimate of energy use or cost relative to a minimum-code home.

Slab-on-grade tradeoffs are no longer considered in the UA or performance compliance path in REScheck. Each slab-on-grade assembly in the specified climate zone must meet the minimum energy code insulation R-value and depth requirements.

## Envelope Assemblies

| Assembly                                                                                  | Gross Area<br>or<br>Perimeter | Cavity<br>R-Value | Cont.<br>R-Value | Prop.<br>U-Factor | Req.<br>U-Factor | Prop.<br>UA | Req.<br>UA |
|-------------------------------------------------------------------------------------------|-------------------------------|-------------------|------------------|-------------------|------------------|-------------|------------|
| Ceiling: Flat Ceiling or Scissor Truss                                                    | 1,244                         | 60.0              | 0.0              | 0.024             | 0.024            | 30          | 30         |
| Wall: Wood Frame, 16" o.c.                                                                | 4,436                         | 13.0              | 12.0             | 0.040             | 0.045            | 150         | 169        |
| Door: Glass Door (over 50% glazing)                                                       | 80                            |                   |                  | 0.280             | 0.300            | 22          | 24         |
| Window - Double Hung: Vinyl Frame                                                         | 602                           |                   |                  | 0.260             | 0.300            | 156         | 181        |
| Floor: Slab-On-Grade (Unheated)                                                           |                               |                   |                  |                   |                  |             |            |
| Insulation depth: 4.0'                                                                    | 152                           |                   | 12.5             | 0.330             | 0.360            | 0           | 0          |
| Insulation position: Fully Insulated (uniform R-value<br>across perimeter and under slab) |                               |                   |                  |                   |                  |             |            |

## Energy Credits

| Description                                     | Credits |
|-------------------------------------------------|---------|
| Enhanced Envelope Performance Option - R408.2.1 | 1.0     |

Required: 1    Proposed: 1

*Compliance Statement:* The proposed building design described here is consistent with the building plans, specifications, and other calculations submitted with the permit application. The proposed building has been designed to meet the 2021 IECC requirements in REScheck Version : REScheck-Web and to comply with the mandatory requirements listed in the REScheck Inspection Checklist.

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Name - Title

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Signature

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Date



# Inspection Checklist

Energy Code: 2021 IECC

Requirements: 0.0% were addressed directly in the REScheck software

Text in the "Comments/Assumptions" column is provided by the user in the REScheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

| Section # & Req.ID                                                                                                          | Pre-Inspection/Plan Review                                                                                                                                                                                               | Plans Verified Value                           | Field Verified Value                           | Complies?                                                                                                                                                    | Comments/Assumptions |
|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 103.1, 103.2 [PR1] <sup>1</sup><br>        | Construction drawings and documentation demonstrate energy code compliance for the building envelope. Thermal envelope and energy compliance path represented on construction documents.                                 |                                                |                                                | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                      |
| 103.1, 103.2, 403.8 [PR3] <sup>1</sup><br> | Construction drawings and documentation demonstrate energy code compliance for lighting and mechanical systems. Systems serving multiple dwelling units must demonstrate compliance with the IECC Commercial Provisions. |                                                |                                                | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                      |
| 302.1, 403.7 [PR2] <sup>2</sup><br>       | Heating and cooling equipment is sized per ACCA Manual S based on loads calculated per ACCA Manual J or other methods approved by the code official.                                                                     | Heating: Btu/hr _____<br>Cooling: Btu/hr _____ | Heating: Btu/hr _____<br>Cooling: Btu/hr _____ | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                      |

**Additional Comments/Assumptions:**

| Section # & Req.ID                                                                                                      | Foundation Inspection                                                                                                   | Plans Verified Value                                                           | Field Verified Value                                                           | Complies?                                                                                                                                                    | Comments/Assumptions                          |
|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| 402.1.2 [FO1] <sup>1</sup><br>         | Slab edge insulation R-value.                                                                                           | R-____<br><input type="checkbox"/> Unheated<br><input type="checkbox"/> Heated | R-____<br><input type="checkbox"/> Unheated<br><input type="checkbox"/> Heated | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable | See the Envelope Assemblies table for values. |
| 303.2, 402.2.10 [FO2] <sup>1</sup><br> | Slab edge insulation installed per manufacturer's instructions.                                                         |                                                                                |                                                                                | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                                               |
| 402.1.2 [FO3] <sup>1</sup><br>         | Slab edge insulation depth/length.                                                                                      | ____ ft                                                                        | ____ ft                                                                        | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable | See the Envelope Assemblies table for values. |
| 303.2.1 [FO11] <sup>2</sup><br>        | A protective covering is installed to protect exposed exterior insulation and extends a minimum of 6 in. below grade.   |                                                                                |                                                                                | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                                               |
| 403.9 [FO12] <sup>2</sup><br>          | Snow and ice-melting system controls installed to shut off system when pavement temperature > 50F and no precipitation. |                                                                                |                                                                                | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                                               |

**Additional Comments/Assumptions:**

| Section # & Req.ID                                                                                                                                 | Framing / Rough-In Inspection                                                                                                                                             | Plans Verified Value | Field Verified Value | Complies?                                                                                                                                                    | Comments/Assumptions                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| 402.1,<br>402.3.1,<br>402.3.3,<br>402.5<br>[FR2] <sup>1</sup><br> | Glazing U-factor (area-weighted average).                                                                                                                                 | U-____               | U-____               | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable | See the Envelope Assemblies table for values. |
| 303.1.3<br>[FR4] <sup>1</sup><br>                                 | U-factors of fenestration products are determined in accordance with the NFRC test procedure or taken from the default table.                                             |                      |                      | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                                               |
| 402.4.1.1<br>[FR23] <sup>1</sup><br>                              | Air barrier and thermal barrier installed per manufacturer's instructions.                                                                                                |                      |                      | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                                               |
| 402.4.3<br>[FR20] <sup>1</sup><br>                                | Fenestration that is not site built is listed and labeled as meeting AAMA /WDMA/CSA 101/I.S.2/A440 or has infiltration rates per NFRC 400 that do not exceed code limits. |                      |                      | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                                               |
| 402.4.5<br>[FR16] <sup>2</sup>                                                                                                                     | IC-rated recessed lighting fixtures sealed at housing/interior finish and labeled to indicate ≤2.0 cfm leakage at 75 Pa.                                                  |                      |                      | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                                               |
| 403.3.1<br>[FR12] <sup>1</sup><br>                                | Supply and return ducts in attics insulated ≥ R-8 where duct is ≥ 3 inches in diameter and ≥ R-6 where < 3 inches.                                                        |                      |                      | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                                               |
| 403.3.4<br>[FR13] <sup>1</sup><br>                              | Ducts, air handlers and filter boxes are sealed with joints/seams compliant with International Mechanical Code or International Residential Code, as applicable.          |                      |                      | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                                               |
| 403.3.7<br>[FR15] <sup>3</sup><br>                              | Building cavities are not used as ducts or plenums.                                                                                                                       |                      |                      | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                                               |
| 403.4<br>[FR17] <sup>2</sup><br>                                | HVAC piping conveying fluids above 105 °F or chilled fluids below 55 °F are insulated to ≥R-3.                                                                            | R-____               | R-____               | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                                               |
| 403.4.1<br>[FR24] <sup>1</sup><br>                              | Protection of insulation on HVAC piping.                                                                                                                                  |                      |                      | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                                               |
| 402.4.6<br>[FR29] <sup>3</sup><br>                              | Electrical and communication boxes installed in the thermal boundary of the envelope sealed to limit air leakage between conditioned and unconditioned spaces.            |                      |                      | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                                               |
| 403.5.2<br>[FR18] <sup>2</sup><br>                              | Hot water pipes are insulated to ≥R-3.                                                                                                                                    | R-____               | R-____               | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                                               |

1 High Impact (Tier 1)    2 Medium Impact (Tier 2)    3 Low Impact (Tier 3)

| Section # & Req.ID          | Framing / Rough-In Inspection                                                                                          | Plans Verified Value | Field Verified Value | Complies?                                                                                                                                                    | Comments/Assumptions |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 403.6 [FR19] <sup>2</sup>   | Automatic or gravity dampers are installed on all outdoor air intakes and exhausts for mechanical ventilation systems. |                      |                      | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                      |
| 403.6.1 [FR30] <sup>2</sup> | Ventilation systems in climate zones 7 & 8 shall utilize heat or energy recovery                                       |                      |                      | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                      |

**Additional Comments/Assumptions:**

| Section # & Req.ID                                                                                                              | Insulation Inspection                                                                                                                                            | Plans Verified Value                                                                                        | Field Verified Value                                                                                        | Complies?                                                                                                                                                    | Comments/Assumptions                          |
|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| 303.1 [IN13] <sup>2</sup><br>                  | All installed insulation is labeled or the installed R-values provided.                                                                                          |                                                                                                             |                                                                                                             | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                                               |
| 402.1, 402.2.5, 402.2.6 [IN3] <sup>1</sup><br> | Wall insulation R-value. If this is a mass wall with at least ½ of the wall insulation on the wall exterior, the exterior insulation requirement applies (FR10). | R-_____<br><input type="checkbox"/> Wood<br><input type="checkbox"/> Mass<br><input type="checkbox"/> Steel | R-_____<br><input type="checkbox"/> Wood<br><input type="checkbox"/> Mass<br><input type="checkbox"/> Steel | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable | See the Envelope Assemblies table for values. |
| 303.2 [IN4] <sup>1</sup>                                                                                                        | Wall insulation is installed per manufacturer's instructions.                                                                                                    |                                                                                                             |                                                                                                             | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                                               |

**Additional Comments/Assumptions:**

| Section # & Req.ID                                              | Final Inspection Provisions                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Plans Verified Value                                                      | Field Verified Value                                                      | Complies?                                                                                                                                                    | Comments/Assumptions                          |
|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| 402.1,<br>402.2.1,<br>402.2.2,<br>402.2.6<br>[FI1] <sup>1</sup> | Ceiling insulation R-value.                                                                                                                                                                                                                                                                                                                                                                                                                                                          | R-____<br><input type="checkbox"/> Wood<br><input type="checkbox"/> Steel | R-____<br><input type="checkbox"/> Wood<br><input type="checkbox"/> Steel | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable | See the Envelope Assemblies table for values. |
| 303.1.1.1,<br>303.2<br>[FI2] <sup>1</sup>                       | Ceiling insulation installed per manufacturer's instructions. Blown insulation marked every 300 ft <sup>2</sup> .                                                                                                                                                                                                                                                                                                                                                                    |                                                                           |                                                                           | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                                               |
| 402.2.3<br>[FI22] <sup>2</sup>                                  | Vented attics with air permeable insulation include baffle adjacent to soffit and eave vents that extends over insulation.                                                                                                                                                                                                                                                                                                                                                           |                                                                           |                                                                           | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                                               |
| 402.2.4<br>[FI3] <sup>1</sup>                                   | Attic access hatch and door insulation ≥ R-value of the adjacent assembly.                                                                                                                                                                                                                                                                                                                                                                                                           | R-____                                                                    | R-____                                                                    | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                                               |
| 402.4.1.3<br>[FI17] <sup>1</sup>                                | Blower door test @ 50 Pa. ≤ 5.0 ach in Climate Zones 1-2, and ≤ 3.0 ach in Climate Zones 3-8.                                                                                                                                                                                                                                                                                                                                                                                        | ACH 50 = ____                                                             | ACH 50 = ____                                                             | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                                               |
| 403.3.5<br>[FI27] <sup>1</sup>                                  | Ducts are pressure tested in accordance with ANEI/RESNET/ICC 380 or ASTM E1554 to determine air leakage with either: Rough-in test: Total leakage measured with a pressure differential of 0.1 inch w.g. across the system including the manufacturer's air handler enclosure if installed at time of test. Postconstruction test: Total leakage measured with a pressure differential of 0.1 inch w.g. across the entire system including the manufacturer's air handler enclosure. | ____ cfm/100 ft <sup>2</sup>                                              | ____ cfm/100 ft <sup>2</sup>                                              | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                                               |
| 403.3.6<br>[FI4] <sup>1</sup>                                   | Duct tightness test result of ≤ 4 cfm/100 ft <sup>2</sup> across the system or ≤ 3 cfm/100 ft <sup>2</sup> without air handler @ 25 Pa. Duct tightness ≤ 8 cfm/100 ft <sup>2</sup> for ducts within thermal envelope. For rough-in tests, verification may need to occur during Framing Inspection.                                                                                                                                                                                  | ____ cfm/100 ft <sup>2</sup>                                              | ____ cfm/100 ft <sup>2</sup>                                              | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                                               |
| 403.3.4.1<br>[FI24] <sup>1</sup>                                | Air handler leakage designated by manufacturer at ≤ 2% of design air flow.                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                           |                                                                           | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                                               |
| 403.1.1<br>[FI9] <sup>2</sup>                                   | Programmable thermostats installed for control of primary heating and cooling systems and initially set by manufacturer to code specifications.                                                                                                                                                                                                                                                                                                                                      |                                                                           |                                                                           | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                                               |
| 403.5.1<br>[FI11] <sup>2</sup>                                  | Circulating service hot water systems have automatic or accessible manual controls.                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                           |                                                                           | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                                               |

1 High Impact (Tier 1)    2 Medium Impact (Tier 2)    3 Low Impact (Tier 3)

| Section # & Req.ID                                                                                                 | Final Inspection Provisions                                                                                                                                                                                                                                                                                                                                                                                                                                               | Plans Verified Value | Field Verified Value | Complies?                                                                                                                                                    | Comments/Assumptions |
|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 403.2 [FI26] <sup>2</sup>                                                                                          | Hot water boilers supplying heat through one- or two-pipe heating systems have automatic outdoor setback control to lower boiler water temperature based on outdoor temperature, indoor temperature or water temperature sensing.                                                                                                                                                                                                                                         |                      |                      | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                      |
| 403.5.1.1 [FI28] <sup>2</sup>                                                                                      | Heated water circulation systems have a circulation pump. The system return pipe is a dedicated return pipe or a cold water supply pipe. Gravity and thermos-syphon circulation systems are not present. Controls for circulating hot water system pumps start the pump with signal for hot water demand within the occupancy. Controls automatically turn off the pump when water is in circulation loop is at set-point temperature and no demand for hot water exists. |                      |                      | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                      |
| 403.5.1.2 [FI29] <sup>2</sup>                                                                                      | Electric heat trace systems comply with IEEE 515.1 or UL 515. Controls automatically adjust the energy input to the heat tracing to maintain the desired water temperature in the piping.                                                                                                                                                                                                                                                                                 |                      |                      | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                      |
| 403.5.3 [FI31] <sup>2</sup>                                                                                        | Drain water heat recovery units tested in accordance with CSA B55.1. Potable water-side pressure loss of drain water heat recovery units < 3 psi for individual units connected to one or two showers. Potable water-side pressure loss of drain water heat recovery units < 2 psi for individual units connected to three or more showers.                                                                                                                               |                      |                      | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                      |
| 403.6.2 [FI25] <sup>2</sup>                                                                                        | All mechanical ventilation system fans not part of tested and listed HVAC equipment meet efficacy and air flow limits per Table R403.6.2.                                                                                                                                                                                                                                                                                                                                 |                      |                      | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                      |
| 403.6.3 [FI33] <sup>2</sup>                                                                                        | Mechanical ventilation systems tested and verified to meet the minimum flow rates required by Section R403.6.                                                                                                                                                                                                                                                                                                                                                             |                      |                      | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                      |
| 403.5.1.1.1 [FI32] <sup>2</sup>                                                                                    | Demand recirculation water systems have automatic controls to start pump when hot water is requested.                                                                                                                                                                                                                                                                                                                                                                     |                      |                      | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                      |
| 404.1 [FI6] <sup>1</sup>                                                                                           | 100% of permanent fixtures have high efficacy lamps.                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |                      | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                      |
| 404.1.2 [FI23] <sup>3</sup><br> | Fuel gas lighting systems have no continuous pilot light.                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |                      | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                      |

1 High Impact (Tier 1)    2 Medium Impact (Tier 2)    3 Low Impact (Tier 3)

| Section # & Req.ID                                                                                                  | Final Inspection Provisions                                                                                                                                                                                                                              | Plans Verified Value | Field Verified Value | Complies?                                                                                                                                                    | Comments/Assumptions |
|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 404.1.1<br>[FI35] <sup>3</sup><br> | Exterior lighting for multifamily buildings shall comply with Section C405.4.                                                                                                                                                                            |                      |                      | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                      |
| 404.2<br>[FI36] <sup>3</sup><br>   | Permanent interior lighting shall be controlled with either a dimmer, occupancy sensor or other control built into the fixture.                                                                                                                          |                      |                      | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                      |
| 404.3<br>[FI37] <sup>3</sup><br>   | Exterior lighting $\geq$ 30 watts shall have the following controls: manual on/off switch with automatic shut-off, automatic shut-off in daylight hours, and controls that override automatic shutoff that returns to automatic control within 24 hours. |                      |                      | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                      |
| 401.3<br>[FI7] <sup>2</sup>                                                                                         | Compliance certificate posted with building specifications and compliance path and results.                                                                                                                                                              |                      |                      | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                      |
| 303.3<br>[FI18] <sup>3</sup>                                                                                        | Manufacturer manuals for mechanical and water heating systems have been provided.                                                                                                                                                                        |                      |                      | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                      |
| 408.2.1<br>[FI38] <sup>3</sup>                                                                                      | Enhanced Envelope Performance Option: Proposed building UA = 0.95 UA of 2021 IECC Standard Reference Design.                                                                                                                                             |                      |                      | <input type="checkbox"/> Complies<br><input type="checkbox"/> Does Not<br><input type="checkbox"/> Not Observable<br><input type="checkbox"/> Not Applicable |                      |

**Additional Comments/Assumptions:**



# 2021 IECC Energy Efficiency Certificate

| Insulation Rating | R-Value |
|-------------------|---------|
|-------------------|---------|

|                                  |       |
|----------------------------------|-------|
| Above-Grade Wall                 | 25.00 |
| Below-Grade Wall                 | 0.00  |
| Floor                            | 12.50 |
| Ceiling / Roof                   | 60.00 |
| Ductwork (unconditioned spaces): | _____ |

| Glass & Door Rating | U-Factor | SHGC |
|---------------------|----------|------|
|---------------------|----------|------|

|        |      |  |
|--------|------|--|
| Window | 0.26 |  |
| Door   | 0.28 |  |

| Heating & Cooling Equipment | Efficiency |
|-----------------------------|------------|
|-----------------------------|------------|

|                       |       |
|-----------------------|-------|
| Heating System: _____ | _____ |
| Cooling System: _____ | _____ |
| Water Heater: _____   | _____ |

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Comments