

# **Impactful Residential Provision Differences Between the Florida Building Code, Energy Conservation, 9<sup>th</sup> Edition (2026) and 2024 International Energy Conservation Code**

## ***Draft Interim Report***

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### **Submitted to**

Department of Business and Professional Regulation  
Office of Codes and Standards  
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## Project Overview

This project was initiated to review residential provisions of the Florida Building Code, Energy Conservation, 9<sup>th</sup> Edition (2026) (FBC-EC) in order to make a determination if it meets or exceeds the 2024 International Energy Conservation Code (IECC) regarding building energy efficiency. The project's code stringency evaluation activities include:

- Reviewing residential provisions of the 2026 FBC-EC and comparing them with residential provisions of the 2024 IECC
- Listing impactful code differences by Mandatory, Prescriptive, Performance and Energy Rating Index categories and providing the anticipated stringency impact for each
- Using EnergyGauge® USA energy modeling software to compare 2024 IECC and 2026 FBC-EC Prescriptive and Performance compliance method stringencies.

## Impactful Code Differences Listing

This interim report builds on previous versions of the report, providing a listing of the impactful differences between the 2026 FBC-EC and 2024 IECC, together with the anticipated impact of each on code stringency.

**2026 FBC-EC vs. 2024 IECC Impactful Differences Listing and Stringency Impacts**

| Provision Type                     | Code Section    | Difference Summary                                                                                     | Anticipated Effect on FBC-EC Stringency wrt IECC <sup>1</sup>                                    |
|------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| CHAPTER 1 SCOPE AND ADMINISTRATION |                 |                                                                                                        |                                                                                                  |
| Scope and Administration           | FBC-EC R101.5.1 | FBC-EC compliance calculation software approval requirement                                            | May increase FBC-EC compliance consistency but difficult to assess stringency without field data |
| Administration and Enforcement     | IECC R103       | New Code Compliance Agency section provides requirements for the creation of code enforcement agencies | May increase IECC compliance consistency but difficult to assess stringency without field data   |
| Above Code Programs                | IECC R104.1.1   | IECC adds building envelope thermal conductance limits to its above code program compliance option     | Above code program so little or no impact on stringency                                          |

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<sup>1</sup> "Stringency" can include inspection or documentation leading to more consistent compliance.

| Provision Type                                                                                                                                                                                                             | Code Section  | Difference Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Anticipated Effect on FBC-EC Stringency wrt IECC <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| CHAPTER 3 GENERAL REQUIREMENTS                                                                                                                                                                                             |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Climate Zones<br><br><small>2024 IECC has four counties in Climate Zone 1 (1)<br/>Florida code includes 3 additional counties (★)</small> | Table R301.1  | 2024 IECC continues to include four Climate Zone 1 counties; 2026 FBC-EC continues to include three additional south Florida counties in Climate Zone 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Some impact on Prescriptive compliance (in applicable cases)                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Building Thermal Envelope Insulation                                                                                                                                                                                       | IECC R303.1.1 | 2024 IECC adds requirement that for reflective insulation the number of reflective sheets, number and thickness of the enclosed reflective airspace and <i>R</i> -value of the installed assembly be included on certification                                                                                                                                                                                                                                                                                                                                                                                                                                           | May slightly decrease FBC-EC stringency wrt IECC (in applicable cases and depending on typical practice)                                                                                                                                                                                                                                                                                                                                                                                  |
| Airspaces                                                                                                                                                                                                                  | IECC R303.1.6 | 2024 IECC adds requirements for airspaces used for reflective or nonreflective <i>R</i> -value of an enclosed space                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | May slightly decrease FBC-EC stringency wrt IECC (in applicable cases and depending on typical practice)                                                                                                                                                                                                                                                                                                                                                                                  |
| CHAPTER 4 RESIDENTIAL ENERGY EFFICIENCY                                                                                                                                                                                    |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Addresses all compliance options                                                                                                                                                                                           | R401.2        | <p>2021 IECC had added R401.2.5 “additional energy efficiency” section which stipulates additional efficiency requirements for all compliance options:</p> <ul style="list-style-type: none"> <li>- For Prescriptive compliance, one of the Section R408.2 package options</li> <li>- For Performance compliance, one of the Section R408.2 package options or 5% reduction in annual energy cost</li> <li>- For Energy Rating Index compliance, a 5% reduction from the target Index</li> </ul> <p>The 2024 IECC removes Section R401.2.5, and instead:</p> <ul style="list-style-type: none"> <li>- For Prescriptive compliance, keeps revised, now credit-</li> </ul> | <p>Prescriptive: the 2026 FBC-EC adds credit based additional efficiency requirements for Prescriptive compliance intended to match the stringency of those in the 2024 IECC</p> <p>Performance: the 2026 FBC-EC increases stringency of its Performance compliance option just over 10%, keeping its stringency similar to that of the 2024 IECC for all electric dwelling units up to 5,000 square feet, but making it slightly less stringent for dwelling units with fuel-burning</p> |

| Provision Type               | Code Section    | Difference Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Anticipated Effect on FBC-EC Stringency wrt IECC <sup>1</sup>                                                                                                                                                                                                                        |
|------------------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              |                 | <p>based Section R408 additional energy efficiency requirements</p> <ul style="list-style-type: none"> <li>- For Performance compliance, further reduces allowed dwelling unit annual energy costs compared to the standard reference design, including additional reductions for dwelling units with fuel-burning appliances and dwelling units over 5,000 square feet (detailed below)</li> <li>- For Energy Rating Index compliance, slightly reduces maximum allowed Index for all Climate Zones and adds maximum Indexes allowed if onsite power production is utilized</li> </ul> | <p>space and/or water heating appliances, and also slightly less stringent for dwelling units greater than 5,000 square feet</p> <p>Energy Rating Index: the 2026 FBC-EC maximum Energy Rating Index continues to be somewhat higher (less stringent) than that of the 2024 IECC</p> |
| Prescriptive and Performance | IECC R402.2.3   | New 2024 IECC section requires that wood attic knee walls separating conditioned space from unconditioned attic spaces comply with Table R402.1.3 for wood-framed walls, and steel attic knee walls comply with Section R402.2.7; also requires these knee walls to have an air barrier between conditioned and unconditioned space                                                                                                                                                                                                                                                     | At least for wood attic knee walls, somewhat increases FBC-EC stringency wrt IECC for Prescriptive compliance (in applicable cases); does not affect Performance compliance due to efficiency trade-offs                                                                             |
| Prescriptive and Performance | IECC R402.2.3.1 | New 2024 IECC section requires that wood vertical roof truss framing members separating conditioned space from unconditioned attic spaces comply with Table R402.1.3 for wood-framed walls, and steel frame vertical roof truss framing members separating conditioned space from unconditioned space comply with Section R402.2.7                                                                                                                                                                                                                                                      | At least for wood attic knee walls, if intent as in Section R402.2.3 above is for trusses that separate conditioned space from unconditioned attic space, somewhat increases FBC-EC stringency wrt IECC for Prescriptive compliance (in applicable cases); does not affect           |

| Provision Type                                | Code Section                                     | Difference Summary                                                                                                                                                                                                           | Anticipated Effect on FBC-EC Stringency wrt IECC <sup>1</sup>                                  |
|-----------------------------------------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
|                                               |                                                  |                                                                                                                                                                                                                              | Performance compliance due to efficiency trade-offs                                            |
| Prescriptive for FBC-EC<br>Mandatory for IECC | FBC-EC R402.2.3<br>IECC R402.2.4                 | IECC makes section mandatory, includes “net free area” for the eave baffle opening stipulation, and includes baffle installation language to maximize space for attic insulation coverage and prevent ventilation air bypass | Slightly decreases FBC-EC stringency wrt IECC (depending on typical practice)                  |
| Prescriptive for FBC-EC<br>Mandatory for IECC | FBC-EC R402.2.4<br>IECC R402.2.5.1               | IECC separates existing [now] prescriptive Section R402.2.5 into mandatory and Prescriptive sections; Section R402.2.5.1 regarding access hatch and door installation is mandatory                                           | Slightly decreases stringency of FBC-EC Performance and ERI compliance wrt IECC                |
| Mandatory                                     | FBC-EC R402.4                                    | FBC-EC exception allows R-2 and multiple attached single-family dwellings to comply with commercial code air leakage testing requirements                                                                                    | Difficult to assess without field data                                                         |
| Mandatory                                     | FBC-EC Table R402.4.1.1<br>IECC Table R402.5.1.1 | IECC includes additional rim joist junction air sealing requirements and insulation installation clarification                                                                                                               | May slightly decrease stringency of FBC-EC compliance wrt IECC (depending on current practice) |
| Mandatory                                     | FBC-EC Table R402.4.1.1<br>IECC Table R402.5.1.1 | IECC has revised section name to clarify foundation types that are included, and revises and adds to Air Barrier Criteria and Insulation Installation Criteria to clarify foundation related requirements                    | May slightly decrease FBC-EC stringency wrt IECC (depending on current practice)               |
| Mandatory                                     | FBC-EC Table R402.4.1.1<br>IECC Table R402.5.1.1 | IECC adds Air Barrier Criteria and Insulation Installation Criteria to clarify shaft and penetration related requirements                                                                                                    | May slightly decrease FBC-EC stringency wrt IECC (depending on current practice)               |
| Mandatory                                     | FBC-EC Table R402.4.1.1                          | IECC includes Air Barrier Criteria for narrow cavity requirements                                                                                                                                                            | May slightly decrease FBC-EC stringency wrt                                                    |

| Provision Type | Code Section                                     | Difference Summary                                                                                                                                                                       | Anticipated Effect on FBC-EC Stringency wrt IECC <sup>1</sup>                                            |
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|                | IECC Table R402.5.1.1                            |                                                                                                                                                                                          | IECC (depending on current practice)                                                                     |
| Mandatory      | FBC-EC Table R402.4.1.1<br>IECC Table R402.5.1.1 | IECC includes Insulation Installation Criteria for garage separation requirements                                                                                                        | May slightly decrease FBC-EC stringency wrt IECC (depending on current practice)                         |
| Mandatory      | FBC-EC Table R402.4.1.1<br>IECC Table R402.5.1.1 | IECC includes Air Barrier Criteria and Insulation Installation Criteria to clarify recessed lighting related requirements                                                                | May slightly decrease FBC-EC stringency wrt IECC (depending on current practice)                         |
| Mandatory      | FBC-EC Table R402.4.1.1<br>IECC Table R402.5.1.1 | IECC includes “or other obstructions” in Plumbing and Wiring section name, and adds Air Barrier Criteria and includes exception for Insulation Installation Criteria                     | Slight impact on FBC-EC stringency wrt IECC (depending on current practice)                              |
| Mandatory      | FBC-EC R402.4.1.2<br>IECC R402.5.1.3             | For the 2024 IECC the building air leakage rate maximum is moved to Section R402.5.1.3 and reduced from 5 ACH50 to 4 ACH50 for Florida Climate Zones vs. 7 ACH50 in FBC-EC               | Decreases stringency of Prescriptive FBC-EC compliance wrt IECC                                          |
| Mandatory      | FBC-EC R402.4.1.2                                | FBC-EC includes building air leakage tester approval requirement options, vs. “where required by the code official” for IECC                                                             | May slightly increase FBC-EC stringency wrt IECC                                                         |
| Mandatory      | FBC-EC R402.4.1.2<br>IECC R402.5.1.2             | IECC includes air leakage testing exception for certain heated, attached and detached private garages                                                                                    | May slightly increase FBC-EC stringency wrt IECC (in applicable cases)                                   |
| Mandatory      | FBC-EC R402.4.1.2                                | FBC-EC includes clarification that whole-house mechanical ventilation is required for dwelling units with air leakage rates less than 3 ACH50, in accordance with provided code sections | May slightly increase FBC-EC stringency wrt IECC (in applicable cases and depending on typical practice) |

| Provision Type | Code Section                               | Difference Summary                                                                                                                                                                                                                                                                                                                                                                                            | Anticipated Effect on FBC-EC Stringency wrt IECC <sup>1</sup>                                            |
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| Mandatory      | FBC-EC<br>R402.4.1.2                       | FBC-EC includes testing requirement clarification that if an attic is both air sealed and insulated at the roof deck, interior access doors and hatches between the conditioned space volume and the attic must be opened during the test and the volume of the attic must be added to the conditioned space volume for purposes of reporting infiltration volume and calculating the air leakage of the home | May slightly increase FBC-EC stringency wrt IECC (in applicable cases and depending on typical practice) |
| Mandatory      | FBC-EC<br>R402.4.1.2                       | FBC-EC includes exception that testing is not required for additions, alterations, renovations or repairs of the building thermal envelope of existing buildings in which the new construction is less than 85 percent of the building thermal envelope                                                                                                                                                       | Slightly decreases FBC-EC stringency wrt IECC (in applicable cases)                                      |
| Mandatory      | IECC<br>R402.5.1.2.1                       | 2024 IECC adds building air leakage testing unit sampling for buildings with eight or more dwelling units or sleeping units                                                                                                                                                                                                                                                                                   | Slightly increases FBC-EC stringency wrt IECC                                                            |
| Mandatory      | IECC<br>R402.5.1.3                         | IECC includes square footage based air leakage rate testing alternative for attached or R-2 occupancy dwelling or sleeping units and buildings or dwelling units that are 1,500 square feet or smaller                                                                                                                                                                                                        | Unknown                                                                                                  |
| Mandatory      | IECC<br>R402.5.1.3                         | IECC sets maximum building air leakage rate in both Florida Climate Zones to 4 ACH50                                                                                                                                                                                                                                                                                                                          | Decreases stringency of FBC-EC wrt IECC                                                                  |
| Mandatory      | FBC-EC<br>R402.4.2<br><br>IECC<br>R402.5.2 | FBC-EC includes UL 907 listing and labeling requirement for the doors of masonry fireplaces                                                                                                                                                                                                                                                                                                                   | May slightly increase stringency of FBC-EC wrt IECC (in applicable cases)                                |

| Provision Type                                     | Code Section                               | Difference Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Anticipated Effect on FBC-EC Stringency wrt IECC <sup>1</sup>                                                  |
|----------------------------------------------------|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Mandatory                                          | FBC-EC<br>R403.1.3<br><br>IECC<br>R403.1.2 | 2024 IECC further clarifies its heat pump supplementary heat control requirements, making them similar to those in the FBC-EC but also adding fuel gas and liquid fuel supplementary heating systems                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Possibly slightly decreases FBC-EC stringency wrt IECC (in applicable cases and depending on typical practice) |
| Prescriptive for FBC-EC?<br><br>Mandatory for IECC | R403.2                                     | FBC-EC <i>Hot water boiler outdoor temperature setback</i> section requires hot water boilers that supply heat to the building through one- or two-pipe heating systems to have an outdoor setback control that lowers the boiler water temperature based on the outdoor temperature; FBC-EC does not include whether this section is mandatory or Prescriptive<br><br>The same section is now mandatory for the 2024 IECC and requires tank boilers to have an automatic means of adjusting the water temperature so that incremental changes in heat load will cause incremental changes in the temperature of the water supplied by the boiler through outdoor reset, indoor reset or water temperature sensing | Slightly decreases stringency of FBC-EC wrt IECC (in applicable cases)                                         |
| Prescriptive for FBC-EC<br><br>Mandatory for IECC  | FBC-EC<br>R403.3.1<br><br>IECC<br>R403.3.3 | FBC-EC's R403.3.1 duct insulation section is Prescriptive while the IECC's parallel section is Mandatory and instead of FBC-EC's duct location criteria of "attic" IECC specifies "outside conditioned space", so for IECC, 3+ inch diameter ducts outside of conditioned space must be                                                                                                                                                                                                                                                                                                                                                                                                                            | Slightly decreases FBC-EC Prescriptive stringency wrt IECC (in applicable cases)                               |

| Provision Type                                    | Code Section                         | Difference Summary                                                                                                                                                                                                                                                                                                                           | Anticipated Effect on FBC-EC Stringency wrt IECC <sup>1</sup>       |
|---------------------------------------------------|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
|                                                   |                                      | insulated to R-8 for all compliance options, vs. FBC-EC which only requires R-8 3+ inch ducts for Prescriptive compliance and if located in the attic                                                                                                                                                                                        |                                                                     |
| Prescriptive for FBC-EC<br><br>Mandatory for IECC | FBC-EC R403.3.1<br><br>IECC R403.3.3 | IECC includes mandatory insulation requirements for ducts buried beneath a building; FBC-EC has same requirement, but only for Prescriptive compliance                                                                                                                                                                                       | None                                                                |
| Mandatory                                         | IECC R403.3.4                        | 2024 IECC renames this section <i>Duct systems located in conditioned space</i> , makes the section mandatory, additionally requires space conditioning equipment to be completely located within the building thermal envelope, adds unvented attics with vapor diffusion ports as ductwork location option, and makes additional revisions | Difficult to assess without simulation or field data                |
| Mandatory                                         | IECC R403.3.5                        | 2024 IECC makes its <i>Ductwork buried within ceiling insulation</i> section mandatory, and adds unvented attic with diffusion ports option                                                                                                                                                                                                  | Difficult to assess without simulation or field data                |
| Mandatory                                         | FBC-EC R403.3.2<br>IECC R403.3.7     | FBC-EC includes duct tightness tester approval requirement                                                                                                                                                                                                                                                                                   | May slightly increase FBC-EC stringency wrt IECC                    |
| Mandatory                                         | FBC-EC R403.3.3<br><br>IECC R403.3.7 | IECC does not include FBC-EC duct testing exception that exempts projects with ducts and air handlers located entirely within the building thermal envelope from the duct testing requirement (also see IECC Section R403.3.7 exception Item #2 below)                                                                                       | Slightly decreases FBC-EC stringency wrt IECC (in applicable cases) |

| Provision Type                                                                              | Code Section                                            | Difference Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Anticipated Effect on FBC-EC Stringency wrt IECC <sup>1</sup>           |
|---------------------------------------------------------------------------------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| Mandatory                                                                                   | FBC-EC R403.3.3<br><br>IECC R403.3.7                    | IECC duct testing exception 1 text reads: "Testing shall not be required for ducts systems serving ventilation systems that are not integrated with duct systems serving heating or cooling systems."                                                                                                                                                                                                                                                                                                                                                                                                | FBC-EC does not state it, but may interpret it the same                 |
| Mandatory                                                                                   | FBC-EC R403.3.3<br><br>IECC R403.3.7                    | New 2024 IECC duct testing exception 2 exempts projects with not more than 10 feet of ductwork external to the space conditioning equipment and listed conditions are met<br><br>FBC-EC does not require duct testing where the ducts and air handlers are located entirely within the building thermal envelope                                                                                                                                                                                                                                                                                     | None                                                                    |
| Prescriptive for FBC-EC<br><br>Mandatory for IECC (but with Performance and ERI exceptions) | FBC-EC R403.3.4<br><br>IECC R403.3.8 and Table R403.3.8 | 2024 IECC duct leakage limits vary by duct location, conditioned floor area served by the duct system, and number of ducted returns<br><br>IECC includes duct leakage limits for when all components are located in conditioned space while FBC-EC does not include duct testing requirement for ducts in conditioned space<br><br>IECC allows duct leakage to outside (rather than total duct leakage) to be used for R405 and R406 compliance, but not for compliance with this section<br><br>Requirements of FBC-EC and IECC are somewhat similar but will vary depending on duct system details | Slightly increases or decreases stringency wrt IECC (depending on case) |

| Provision Type                                 | Code Section                                            | Difference Summary                                                                                                                                                                                                                                                                                                                                                                                       | Anticipated Effect on FBC-EC Stringency wrt IECC <sup>1</sup>                                                                                             |
|------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mandatory                                      | IECC R403.3.9                                           | 2024 IECC adds duct air leakage testing unit sampling for buildings with eight or more dwelling units or sleeping units                                                                                                                                                                                                                                                                                  | Slightly increases FBC-EC stringency wrt IECC (in applicable cases)                                                                                       |
| Mandatory                                      | R403.5.1.1                                              | 2026 FBC-EC adds ½" thick insulation requirement for heated water circulation systems<br><br>2024 IECC adds that heated water circulation system return pipes must be a dedicated return pipe or a cold water supply pipe and if a cold water return pipe is used, a temperature sensor must be located on the hot water supply not more than two feet from the connection to the cold water supply pipe | Possible offsetting slight stringency differences (in applicable cases)                                                                                   |
| Mandatory                                      | IECC R403.5.1.1.1                                       | 2024 IECC provides additional requirements for demand recirculation water system controls                                                                                                                                                                                                                                                                                                                | May slightly decrease FBC-EC stringency wrt IECC (in applicable cases)                                                                                    |
| Prescriptive for FBC-EC<br>Mandatory for IECC  | FBC-EC R403.5.3<br><br>IECC R403.5.2 and Table R403.5.2 | 2024 IECC makes Section R403.5.2 mandatory and adds requirement that insulation for service hot water piping comply with new Table R403.5.2 which stipulates minimum pipe insulation thickness based on fluid operating temperature range                                                                                                                                                                | Slightly decreases FBC-EC Prescriptive stringency wrt IECC (in applicable cases)                                                                          |
| Prescriptive for FBC-EC?<br>Mandatory for IECC | FBC-EC R403.5.4<br><br>IECC R403.5.3                    | IECC clarifies that the drain water heat recovery requirements in this section only apply where a drain water heat recovery unit is installed, and makes the section mandatory; FBC-EC does not include whether this section is mandatory or Prescriptive                                                                                                                                                | May slightly decrease FBC-EC stringency wrt IECC (in applicable Performance and ERI compliance cases, depending on if FBC-EC section is mandatory or not) |

| <b>Provision Type</b> | <b>Code Section</b>                                    | <b>Difference Summary</b>                                                                                                                                                                                                                                                                                                             | <b>Anticipated Effect on FBC-EC Stringency wrt IECC<sup>1</sup></b>                                      |
|-----------------------|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Mandatory             | FBC-EC R403.5.5                                        | FBC-EC includes heat trap requirement for storage water heaters                                                                                                                                                                                                                                                                       | Slightly increases FBC-EC stringency wrt IECC (in applicable cases)                                      |
| Mandatory             | FBC-EC R403.5.6                                        | FBC-EC includes several water heater subsections not included in the IECC that specify controls, shut down, and efficiency requirements                                                                                                                                                                                               | May slightly increase FBC-EC stringency wrt IECC (in applicable cases)                                   |
| Mandatory             | FBC-EC R403.6.1<br><br>IECC R403.6.2                   | FBC-EC includes WHMV efficacy exception for air handlers that are integral to HVAC equipment, requiring them to use an electronically commutated motor; the 2021 and 2024 IECC do not include this exception, requiring that air-handler units integrated to tested and listed HVAC equipment have a minimum efficacy of 1.2 cfm/watt | Somewhat increases FBC-EC stringency wrt IECC (in applicable cases)                                      |
| Mandatory             | FBC-EC R403.6.2                                        | FBC-EC provides mechanical ventilation criteria, including maximum rates, prohibited make-up air sources, and insulation requirements                                                                                                                                                                                                 | May slightly increase FBC-EC stringency wrt IECC (in applicable cases and depending on typical practice) |
| Mandatory             | R403.7 (incl. subsections R403.7.1 through R403.7.1.3) | Additional FBC-EC heating and cooling equipment sizing requirements                                                                                                                                                                                                                                                                   | Slightly increases FBC-EC stringency wrt IECC (depending on typical practice)                            |
| Mandatory             | R403.10.3                                              | Slightly increased percentage of pool and spa heating from heat pump or on-site renewables for IECC cover exemption                                                                                                                                                                                                                   | Slightly decreases FBC-EC stringency wrt IECC (in applicable cases)                                      |
| Mandatory             | FBC-EC R403.13                                         | FBC-EC includes requirements for dehumidifiers (with efficiency requirement changes for 2026 FBC-EC)                                                                                                                                                                                                                                  | Slightly increases FBC-EC stringency wrt IECC (in applicable cases)                                      |
| Mandatory             | FBC-EC R403.13.1                                       | FBC-EC includes requirements for ducted dehumidifiers                                                                                                                                                                                                                                                                                 | Slightly increases FBC-EC stringency wrt IECC (in applicable cases)                                      |

| Provision Type | Code Section                                                                          | Difference Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Anticipated Effect on FBC-EC Stringency wrt IECC <sup>1</sup>       |
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| Mandatory      | IECC R403.13                                                                          | 2024 IECC adds ignition requirements for gas fireplaces                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Slightly decreases FBC-EC stringency wrt IECC (in applicable cases) |
| Mandatory      | IECC R403.13.1                                                                        | 2024 IECC adds gas fireplace efficiency requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Slightly decreases FBC-EC stringency wrt IECC (in applicable cases) |
| Mandatory      | IECC R404.1.1<br>IECC R404.1.2<br>IECC R404.1.3 (incl. Table R404.1)<br>IECC R404.1.4 | With several exceptions (including for detached one- and two-family dwellings, townhouses, and lamps and luminaires that comply with Section R404.1 lighting efficacy requirements), the 2024 IECC moves connected exterior lighting requirements for residential buildings from the commercial IECC to new sections R404.1.2 (stipulates power requirements), R404.1.3 (together with Table R404.1 stipulates power allowance), and R404.1.4 (stipulates additional exterior lighting power allowances for building facades) | None or somewhat decreases FBC-EC stringency wrt IECC               |
| Mandatory      | IECC R404.2<br>IECC R404.2.1<br>IECC R404.2.2                                         | With a remaining exception for safety lighting, revised mandatory IECC interior lighting controls sections require dimmer or automatic shutoff control for habitable spaces (R404.2.1) and automatic shutoff control for garages, unfinished basements, laundry rooms, and utility rooms (R404.2.2)                                                                                                                                                                                                                           | Somewhat decreases FBC-EC stringency wrt IECC                       |
| Prescriptive   | FBC-EC R402.1                                                                         | FBC-EC adds Exception 3 to prescriptive building thermal envelope requirements allowing unvented attic and unvented enclosed rafter assemblies to be insulated with a minimum of R-20 air                                                                                                                                                                                                                                                                                                                                     | Slightly decreases FBC-EC stringency wrt IECC (in applicable cases) |

| Provision Type | Code Section                                     | Difference Summary                                                                                                                                                                                                                                               | Anticipated Effect on FBC-EC Stringency wrt IECC <sup>1</sup>                                                                                                                    |
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|                |                                                  | impermeable insulation if listed infiltration, ventilation system type, insulation installation, and HVAC and ductwork location requirements are met                                                                                                             |                                                                                                                                                                                  |
| Prescriptive   | FBC-EC Table R402.1.2<br><br>IECC Table R402.1.3 | Via footnote “j” FBC-EC Table R402.1.2 allows 0.65 maximum <i>U</i> -factor for impact rated fenestration in Climate Zone 2<br><br>IECC does not include separate maximum <i>U</i> -factor for impact rated fenestration in Florida Climate Zones                | Somewhat decreases FBC-EC Climate Zone 2 Prescriptive stringency wrt IECC (in applicable cases)                                                                                  |
| Prescriptive   | FBC-EC Table R402.1.4<br><br>IECC Table R402.1.2 | 2024 IECC Table R402.1.2 adds 0.039 <i>U</i> -factor <i>Insulation entirely above roof deck</i> option for both Florida Climate Zones                                                                                                                            | Somewhat increases FBC-EC Prescriptive stringency wrt IECC (in applicable cases)                                                                                                 |
| Prescriptive   | FBC-EC Table R402.1.2<br><br>IECC Table R402.1.3 | 2024 IECC Table R402.1.3 adds R-25ci <i>Insulation entirely above roof deck</i> option for both Florida Climate Zones                                                                                                                                            | Slightly decreases FBC-EC Climate Zone 1 Prescriptive stringency wrt IECC<br><br>Slightly increases FBC-EC Climate Zone 2 Prescriptive stringency wrt IECC (in applicable cases) |
| Prescriptive   | R402.2.5                                         | IECC provides insulation level exceptions for horizontal pull-down stair type access hatches                                                                                                                                                                     | Slightly increases stringency of FBC-EC compliance wrt IECC (in applicable cases)                                                                                                |
| Prescriptive   | FBC-EC R402.2.6<br><br>IECC R402.2.7             | 2024 IECC replaces Table R402.2.6 (which provided equivalent <i>R</i> -values for steel-frame ceiling, wall, and floor components) with requirement to meet the <i>U</i> -factor requirements of Table R402.1.2, with <i>U</i> -factor calculation determined in | Depends on specific AISI S250 requirements and individual component, but anticipate minor or no stringency differences                                                           |

| Provision Type | Code Section                       | Difference Summary                                                                                                                                                                                                                                                                                                                                        | Anticipated Effect on FBC-EC Stringency wrt IECC <sup>1</sup>                     |
|----------------|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|                |                                    | accordance with AISI S250 with listed modifications                                                                                                                                                                                                                                                                                                       |                                                                                   |
| Prescriptive   | R402.2.8                           | 2021 and 2024 IECC changes to the R402.2.8 Floors section include stipulating installation according to manufacturer's instructions, air sealing, and providing additional installation method options                                                                                                                                                    | Little or no stringency impact anticipated (in applicable cases)                  |
| Prescriptive   | R402.2.9                           | IECC unconditioned basement wall insulation exception includes more requirements than does the FBC-EC                                                                                                                                                                                                                                                     | Slightly decreases stringency of FBC-EC compliance wrt IECC (in applicable cases) |
| Prescriptive   | FBC-EC R402.2.13<br>IECC R402.2.12 | In IECC, heated garages must also meet this section's sunroom requirements and are also eligible for sunroom thermal isolation exception                                                                                                                                                                                                                  | Slightly decreases FBC-EC stringency (in applicable cases)                        |
| Prescriptive   | IECC R402.3                        | 2024 IECC includes requirement for when installed, radiant barriers to be installed per ASTM C1743; applicable to Prescriptive compliance only<br><br>(In Section R405.7.1 the 2026 FBC-EC includes the same requirement or alternative installation requirement with additional radiant barrier requirements; applicable to Performance compliance only) | Little or no stringency impact anticipated (in applicable cases)                  |
| Prescriptive   | FBC-EC R402.3.5<br>IECC R402.4.5   | In IECC, heated garages must also meet this section's sunroom fenestration requirements and are also eligible for sunroom thermal isolation exception                                                                                                                                                                                                     | Slightly decreases FBC-EC stringency (in applicable cases)                        |
| Prescriptive   | FBC-EC R403.1.2                    | 2026 FBC-EC adds "smart" thermostats to its Prescriptive programmable thermostat requirement                                                                                                                                                                                                                                                              | Little or no impact (depending on typical practice)                               |

| Provision Type | Code Section                   | Difference Summary                                                                                                                                                                                                                                                                                                                                                                       | Anticipated Effect on FBC-EC Stringency wrt IECC <sup>1</sup>                  |
|----------------|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
|                | IECC R403.1.1                  |                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                |
| Prescriptive   | FBC-EC R403.3.6                | Air handlers are not allowed in attics for FBC-EC Prescriptive compliance                                                                                                                                                                                                                                                                                                                | Somewhat increases FBC-EC stringency compliance wrt IECC (in applicable cases) |
| Prescriptive   | FBC-EC R403.7.2                | FBC-EC prohibits electric resistance from being primary heating used in Climate Zone 2 for Prescriptive compliance                                                                                                                                                                                                                                                                       | Increases FBC-EC stringency compliance wrt IECC (in applicable cases)          |
| Prescriptive   | IECC R404.3<br>IECC R404.3.1   | Revised Prescriptive IECC sections require specified automatic shut off controls where total permanent installed exterior lighting power is greater than 30 watts                                                                                                                                                                                                                        | Slightly decreases FBC-EC stringency wrt IECC (in applicable cases)            |
| Prescriptive   | FBC-EC R407.2.5<br>IECC R404.4 | New Prescriptive IECC Section stipulates renewable energy certificate (REC) documentation requirements (see also IECC R406.7.3 regarding REC documentation for ERI calculations)<br><br>2026 FBC-EC includes similar but more detailed REC documentation stipulations for the off-site option for its Section R407.2.5 renewable energy credit Additional Efficiency Requirements option | No impact on dwelling efficiency anticipated (in applicable cases)             |
| Performance    | IECC R402.6                    | IECC adds fenestration <i>U</i> -factor and SHGC exception for storm shelters in compliance with ICC 500                                                                                                                                                                                                                                                                                 | No impact due to trade-offs                                                    |
| Performance    | IECC R403.3.5.1                | IECC <i>Effective R-value of deeply buried ducts</i> section provides an effective duct insulation <i>R</i> -value of <i>R</i> -25 for Performance compliance for deeply buried ducts meeting section requirements                                                                                                                                                                       | No impact due to trade-offs                                                    |

| Provision Type | Code Section                    | Difference Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Anticipated Effect on FBC-EC Stringency wrt IECC <sup>1</sup>                                                                                                                                               |
|----------------|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Performance    | IECC R405.2                     | 2024 IECC requires Performance compliance project envelope efficiency to meet or exceed stipulated building envelope thermal conductance (TC) limits                                                                                                                                                                                                                                                                                                                                          | No impact due to trade-offs                                                                                                                                                                                 |
| Performance    | FBC-EC R405.2.1                 | FBC-EC requires space permitting Performance compliance minimum ceiling insulation level of R-19                                                                                                                                                                                                                                                                                                                                                                                              | No impact due to trade-offs                                                                                                                                                                                 |
| Performance    | FBC-EC R405.2.2                 | FBC-EC subsection clarifies that Performance building air leakage testing must verify the leakage rate used for the proposed design (instead of the code allowed maximum of 7 ACH50)                                                                                                                                                                                                                                                                                                          | Possibly slightly increases stringency of FBC-EC compliance compared with IECC (in applicable cases)                                                                                                        |
| Performance    | FBC-EC R405.3<br>IECC R405.2    | 2026 FBC-EC increases stringency of performance compliance method by just over 10% for all projects (0.95 max e-Ratio to 0.85 max e-Ratio)<br><br>2024 IECC has same stringency as 2026 FBC-EC for projects without fuel-burning appliances that have 5,000 square feet of living space and under; IECC requires equivalent of an e-Ratio of 0.80 for projects with fuel burning appliances, and requires an additional 5% reduction for projects with over 5,000 square feet of living space | FBC-EC stringency now matches that of IECC in many cases, but is somewhat less than IECC stringency for projects with fuel-burning appliances and those with greater than 5,000 square feet of living space |
| Performance    | FBC-EC R405.4.1<br>IECC R405.4, | IECC requires software tools used to calculate Section R405 compliance to be approved (acceptable to the code official) and for 2024, requires that software tools be tested by the vendor in accordance with                                                                                                                                                                                                                                                                                 | Overall, possibly slightly decreases stringency of FBC-EC                                                                                                                                                   |

| Provision Type | Code Section                                                 | Difference Summary                                                                                                                                                                                                                                                          | Anticipated Effect on FBC-EC Stringency wrt IECC <sup>1</sup>                               |
|----------------|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
|                | R405.4.1,<br>R405.5,<br>R405.5.2,<br>R405.3                  | ANSI/ASHRAE 140; software vendors must also publish test results<br><br>FBC-EC requires Florida Building Commission approval of compliance calculation software                                                                                                             |                                                                                             |
| Performance    | FBC-EC<br>R405.5.2<br><br>IECC<br>R405.4.2                   | 2024 IECC adds to its residential specifications section that proposed <i>U</i> -factors and slab-on-grade <i>F</i> -factors must be taken from Appendix RF, ANSI/ASHRAE/IES Standard 90.1 Appendix A, or determined consistent with the ASHRAE Handbook of Fundamentals    | Slightly decreases FBC-EC stringency wrt IECC (depending on typical practice)               |
| Performance    | FBC-EC Table<br>R405.5.2(1)<br><br>IECC Table<br>R405.4.2(1) | For R-2 and R-4 residences and townhouses, the limit for the FBC-EC's common wall area dependent "F" term used in the equation to determine standard referenced design fenestration area varies from the limit in the IECC (resulting in smaller reference area for FBC-EC) | Somewhat decreases stringency of FBC-EC compliance wrt IECC (in applicable cases)           |
| Performance    | FBC-EC Table<br>R405.5.2(1)<br><br>IECC Table<br>R405.4.2(1) | 2026 FBC-EC adds skylight area with specified characteristics to the standard reference design for projects with skylights<br><br>2024 IECC continues to have no standard reference design skylight area for projects with skylights                                        | Slightly decreases stringency of FBC-EC compliance compared with IECC (in applicable cases) |
| Performance    | FBC-EC Table<br>R405.5.2(1)<br><br>IECC Table<br>R405.4.2(1) | FBC-EC Table R405.5.2(1) continues to have a standard reference design air leakage rate of ACH50 = 7                                                                                                                                                                        | Decreases FBC-EC stringency wrt IECC                                                        |

| Provision Type | Code Section                                           | Difference Summary                                                                                                                                                                                                                                                                                                                                                                                                                        | Anticipated Effect on FBC-EC Stringency wrt IECC <sup>1</sup>          |
|----------------|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
|                |                                                        | The 2024 IECC standard reference design air leakage rate is reduced from 5.0 ACH50 4.0 ACH50 for both Florida Climate Zones for detached one-family dwellings; for detached one-family dwellings that are 1,500 square feet or smaller and attached units, the 2024 IECC reference rate is 0.27 cfm/ft <sup>2</sup> of the testing unit enclosure area                                                                                    |                                                                        |
| Performance    | FBC-EC Table R405.5.2(1)<br><br>IECC Table R405.4.2(1) | 2024 IECC breaks its Table R405.4.2(1) Mechanical Ventilation section into Mechanical Ventilation Rate and Mechanical Ventilation Fan Energy sections<br><br>For the standard reference design mechanical ventilation rate, the 2024 IECC specifies that the ventilation rate be in addition to the air leakage rate, and be the same rate as the proposed design, except provides a house size and air leakage rate equation-based limit | Similar stringency of FBC-EC compliance wrt IECC (in applicable cases) |
| Performance    | FBC-EC Table R405.5.2(1)<br><br>IECC Table R405.4.2(1) | 2026 FBC-EC continues to use the same equation as the 2023 FBC-EC for its standard reference design mechanical ventilation energy use<br><br>Revised 2024 IECC mechanical ventilation fan energy standard reference design specifications include that the mechanical ventilation system type be the same as the proposed design, heat and energy recovery modeling as specified, and a                                                   | Similar stringency of FBC-EC compliance wrt IECC (in applicable cases) |

| Provision Type | Code Section                                           | Difference Summary                                                                                                                                                                                                                                                                                                                                                                                                                      | Anticipated Effect on FBC-EC Stringency wrt IECC <sup>1</sup> |
|----------------|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
|                |                                                        | revised equation-based energy use                                                                                                                                                                                                                                                                                                                                                                                                       |                                                               |
| Performance    | FBC-EC Table R405.5.2(1)<br><br>IECC Table R405.4.2(1) | 2024 IECC has revised Heating Systems standard reference design capacity specification, changing it from “sized in accordance with Section R403.7” to “same as proposed design”<br><br>FBC-EC Heating Systems section retains its “sized in accordance with Section R403.7” standard reference design capacity specification                                                                                                            | Unknown; may depend on simulation tool HVAC models            |
| Performance    | FBC-EC Table R405.5.2(1)<br><br>IECC Table R405.4.2(1) | 2024 IECC changes the standard reference design heating equipment efficiency specification (for “other than electric heating without a heat pump”) from “as proposed” to federal minimum standards with same fuel type as proposed design, so 2024 IECC now allows heating equipment efficiency trade-offs<br><br>2026 FBC-EC continues to specify the federal minimum standards for its heating standard reference design efficiencies | IECC stringency now matches that of the FBC-EC                |
| Performance    | FBC-EC Table R405.5.2(1)<br><br>IECC Table R405.4.2(1) | 2024 IECC has revised Cooling Systems standard reference design capacity specification, changing it from “sized in accordance with Section R403.7” to “same as proposed design”<br><br>FBC-EC Cooling Systems section retains its “sized in accordance with Section R403.7” standard                                                                                                                                                    | Unknown; may depend on simulation tool HVAC models            |

| Provision Type | Code Section                                           | Difference Summary                                                                                                                                                                                                                                                                                                                          | Anticipated Effect on FBC-EC Stringency wrt IECC <sup>1</sup>                                          |
|----------------|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
|                |                                                        | reference design capacity specification                                                                                                                                                                                                                                                                                                     |                                                                                                        |
| Performance    | FBC-EC Table R405.5.2(1)<br><br>IECC Table R405.4.2(1) | 2024 IECC changes the standard reference design cooling equipment efficiency specification from “as proposed” to federal minimum standards, so 2024 IECC now also allows cooling equipment efficiency trade-offs<br><br>2026 FBC-EC continues to specify the federal minimum standards for its cooling standard reference design efficiency | IECC stringency now matches that of the FBC-EC                                                         |
| Performance    | FBC-EC Table R405.5.2(1)<br><br>IECC Table R405.4.2(1) | 2024 IECC changes the standard reference design service water heating efficiency specification from “as proposed” in the 2021 IECC to federal minimum standards, so IECC now also allows water heating equipment efficiency trade-offs<br><br>2026 FBC-EC continues to allow water heating equipment efficiency trade-offs                  | IECC stringency now matches that of the FBC-EC                                                         |
| Performance    | FBC-EC Table R405.5.2(1)<br><br>IECC Table R405.4.2(1) | IECC continues to determine standard reference hot water usage via an equation solely based on number of bedrooms<br><br>2026 FBC-EC continues to specify standard reference and proposed design water usage and energy consumption according to ANSI/RESNET/ICC Standard 301, which considers a number of factors                          | Minimal impact for base efficiency storage type systems; will vary for other system types and measures |
| Performance    | FBC-EC Table R405.5.2(1)                               | IECC includes compactness of hot water distribution system                                                                                                                                                                                                                                                                                  | No impact due to trade-offs                                                                            |

| Provision Type | Code Section                                           | Difference Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Anticipated Effect on FBC-EC Stringency wrt IECC <sup>1</sup>                         |
|----------------|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                | IECC Table R405.4.2(1)                                 | in its proposed design use calculation                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                       |
| Performance    | FBC-EC Table R405.5.2(1)<br><br>IECC Table R405.4.2(1) | 2024 IECC stipulates the standard reference design duct insulation be R-8 for ducts $\geq$ three inches in diameter and outside of conditioned space (per Section R403.3.3)<br><br>FBC-EC continues to stipulate R-6 insulation for the standard reference design ducts                                                                                                                                                                                                        | Slightly decreases stringency of FBC-EC wrt IECC in most Performance compliance cases |
| Performance    | FBC-EC Table R405.5.2(1)<br><br>IECC Table R405.4.2(1) | 2024 IECC changes its standard reference design duct location from “same as the proposed design” to foundation type and number of stories based location<br><br>FBC-EC stipulates the reference design duct location to be entirely within the building thermal envelope                                                                                                                                                                                                       | Somewhat increases stringency of FBC-EC wrt IECC in most Performance compliance cases |
| Performance    | FBC-EC Table R405.5.2(1)<br><br>IECC Table R405.4.2(1) | Except for duct systems no more than 10 feet in length external to space conditioning equipment and located in conditioned space, the 2024 IECC does not have a not-tested duct leakage option<br><br>2026 FBC-EC changes its proposed design not-tested duct leakage specification from $Q_{nout} = 0.08$ to $Q_{nout} = 0.06$ , the new specification applying only when ducts and air handler(s) are within the building thermal envelope; no change in stringency intended | Undetermined; will vary case to case                                                  |
| Performance    | FBC-EC Table R405.5.2(1)                               | 2026 FBC-EC clarifies that if ducts and/or air handler(s) are located in an unvented attic                                                                                                                                                                                                                                                                                                                                                                                     | No impacts due to trade-offs                                                          |

| Provision Type | Code Section                                           | Difference Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Anticipated Effect on FBC-EC Stringency wrt IECC <sup>1</sup>                                             |
|----------------|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
|                | IECC Table R405.4.2(1)                                 | with insulation at the roof deck, the modeled location is the attic; no change in stringency intended                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                           |
| Performance    | FBC-EC Table R405.5.2(1)<br><br>IECC Table R405.4.2(1) | FBC-EC includes Dehumidification Systems section in Table R405.5.2(1) while the IECC only includes dehumidifiers if a mechanical ventilation system with latent heat recovery is utilized (see next item below)<br><br>Other differences include the FBC-EC having two dehumidifier reference efficiencies depending on total capacity vs. one reference efficiency in the IECC, and separate FBC-EC proposed design specifications while the IECC uses standard reference design specifications for the proposed design | None or slightly changed stringency (for applicable projects)                                             |
| Performance    | FBC-EC Table R405.5.2(1)<br><br>IECC Table R405.4.2(1) | 2026 FBC-EC includes new proposed design temperature offsets for programmable thermostats<br><br>IECC continues to not include programmable thermostat offsets for its proposed design                                                                                                                                                                                                                                                                                                                                   | Slightly decreases stringency of FBC-EC wrt IECC (in applicable cases)                                    |
| Performance    | FBC-EC Table R405.5.2(1)<br><br>IECC Table R405.4.2(1) | FBC-EC Table R405.5.2(1) footnote “e” adds clarification of type of heating system to be used for projects without proposed heating systems                                                                                                                                                                                                                                                                                                                                                                              | Little or no stringency difference                                                                        |
| Performance    | FBC-EC Table R405.5.2(1)<br><br>IECC Table R405.4.2(1) | Revised 2024 IECC footnote “g” adds standard referenced design specifications for proposed designs with a heat pump water heater, including that its efficiency complies with                                                                                                                                                                                                                                                                                                                                            | No anticipated stringency difference if the FBC-EC and IECC intent is to have electric resistance for the |

| Provision Type | Code Section                                                  | Difference Summary                                                                                                                                                                                                                                                                                                                                                           | Anticipated Effect on FBC-EC Stringency wrt IECC <sup>1</sup>             |
|----------------|---------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
|                |                                                               | <p>federal standards; Consistent with general service water heating change from the 2021 IECC; here the 2024 IECC clarifies that service water heating equipment efficiency trade-offs also apply to heat pump water heaters</p> <p>2026 FBC-EC continues to allow water heating equipment efficiency trade-offs</p>                                                         | standard reference design                                                 |
| Performance    | <p>FBC-EC Table R405.5.2(1)</p> <p>IECC Table R405.4.2(1)</p> | <p>New 2024 IECC footnote “j” clarifies that for proposed designs with electric resistance heating, a split system heat pump that complies with federal standards by used for the standard reference design</p> <p>FBC-EC continues to specify a heat pump with efficiency in accordance with federal minimum standards for the standard reference design in these cases</p> | None                                                                      |
| Performance    | <p>FBC-EC Table R405.5.2(1)</p> <p>IECC Table R405.4.2(1)</p> | <p>New 2024 IECC footnote “k” specifies that for heating, cooling, or water heating systems not included in Table R405.4.2(1), the standard reference design be the same as the proposed design</p>                                                                                                                                                                          | Limits IECC equipment trade-offs to systems included in Table R405.4.2(1) |
| Performance    | <p>FBC-EC Table R405.5.2(1)</p> <p>IECC Table R405.4.2(1)</p> | <p>New 2024 IECC footnote “l” clarifies that for the proposed design only sections of ductwork installed in accordance with Section R403.3.4 items 1 and 2 (within specified attic spaces) are assumed to be completely inside conditioned space, and all other ductwork sections are</p>                                                                                    | Slightly increases stringency of FBC-EC wrt IECC (in applicable cases)    |

| Provision Type | Code Section                                           | Difference Summary                                                                                                                                                                                                      | Anticipated Effect on FBC-EC Stringency wrt IECC <sup>1</sup>                                            |
|----------------|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
|                |                                                        | not assumed to be completely inside conditioned space)                                                                                                                                                                  |                                                                                                          |
| Performance    | FBC-EC Table R405.5.2(1)<br><br>IECC Table R405.4.2(1) | New 2024 IECC footnote “m” clarifies that for the proposed design sections of ductwork installed in accordance with Section R403.3.5.1 are assumed to have an effective duct insulation <i>R</i> -value of 25           | May slightly increase stringency of FBC-EC wrt IECC depending on modeling and local code enforcement     |
| Performance    | FBC-EC R405.5.3.1                                      | FBC-EC requires glazing areas to include manufacturer’s frame area                                                                                                                                                      | May slightly increase stringency of FBC-EC wrt IECC (depending on typical practice)                      |
| Performance    | FBC-EC R405.5.3.1                                      | FBC-EC allows area of an existing window enclosed by an addition to be subtracted from addition’s glazing area for same overhang and orientation                                                                        | Slightly decreases stringency of FBC-EC wrt IECC (in applicable cases)                                   |
| Performance    | FBC-EC R405.5.3.2                                      | FBC-EC includes Performance compliance window overhang measurement specifications                                                                                                                                       | May slightly increase stringency of FBC-EC wrt IECC (depending on typical practice)                      |
| Performance    | FBC-EC R405.5.3.3                                      | FBC-EC stipulates how glass area in doors is to be calculated                                                                                                                                                           | Slightly increases stringency of FBC-EC wrt IECC (in applicable cases and depending on typical practice) |
| Performance    | FBC-EC R405.5.3.4                                      | FBC-EC includes maximum fenestration SHGC overhang depth alternative                                                                                                                                                    | Little or no impact (in applicable cases)                                                                |
| Performance    | FBC-EC R405.6.2<br><br>IECC R405.5                     | 2024 IECC revises the Calculation software tools section to allow performance analysis tools to be approved based on jurisdiction thresholds and by code officials<br><br>FBC-EC already includes the new IECC language | None                                                                                                     |
| Performance    | IECC R405.5.2                                          | New 2024 IECC section requires that software tools be tested by their vendors in accordance                                                                                                                             | May slightly decrease stringency of FBC-EC wrt IECC                                                      |

| Provision Type      | Code Section                       | Difference Summary                                                                                                                                                                                                                                                                                                            | Anticipated Effect on FBC-EC Stringency wrt IECC <sup>1</sup>                                            |
|---------------------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
|                     |                                    | with specified ANSI/ASHRAE 140 procedures, and publish the test results                                                                                                                                                                                                                                                       |                                                                                                          |
| Performance         | IECC R405.5.3                      | New 2024 IECC section provides that algorithms that are not tested are permitted in accordance with ANSI/RESNET/ICC 301; also provides permission criteria for non-tested numerical settings                                                                                                                                  | May slightly decrease stringency of FBC-EC wrt IECC                                                      |
| Performance         | FBC-EC R405.6.3.1                  | FBC-EC includes proposed home EF and UEF adjustment factors for instantaneous water heaters                                                                                                                                                                                                                                   | Somewhat increases stringency of FBC-EC wrt IECC (in applicable cases)                                   |
| Performance         | FBC-EC R405.7                      | FBC-EC Performance compliance installation criteria for credit options including: radiant barriers, cool roofs, cross ventilation, whole house fans, ceiling fans, heat recovery units, heat pump water heaters, and new for 2026, programmable thermostats                                                                   | Slightly increases stringency of FBC-EC wrt IECC (in applicable cases and depending on typical practice) |
| Performance         | FBC-EC R405.7.1                    | Increases operative surface emissivity limit for sheet radiant barriers from 0.06 to 0.10                                                                                                                                                                                                                                     | May slightly decrease stringency of FBC-EC wrt IECC (in applicable cases)                                |
| Energy Rating Index | FBC-EC R406.2<br>IECC Table R406.2 | By including Section R403.3 in Table R406.2, the 2024 IECC continues to require that duct insulation be R-8 for ducts $\geq$ three inches in diameter and outside of conditioned space, while the FBC-EC stipulates a minimum duct insulation of R-6 for ducts not inside the building thermal envelope (unless site-wrapped) | No impact due to trade-offs                                                                              |
| Energy Rating Index | FBC-EC R406.2<br>IECC R406.3       | 2024 IECC R406.3 Building thermal envelope section replaces on-site renewables based thermal envelope “backstops” with building                                                                                                                                                                                               | No impact due to trade-offs                                                                              |

| Provision Type      | Code Section                            | Difference Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Anticipated Effect on FBC-EC Stringency wrt IECC <sup>1</sup>                          |
|---------------------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|                     |                                         | <p>thermal envelope conductance (TC) and SHGC limits</p> <p>In Section R406.2, the 2026 FBC-EC continues to base its building thermal envelope efficiency requirements on the presence of on-site renewables</p>                                                                                                                                                                                                                                                                                          |                                                                                        |
| Energy Rating Index | <p>FBC-EC R406.4</p> <p>IECC R406.5</p> | <p>Maximum Energy Rating Index in FBC-EC is 58 vs. 51 in IECC for the two Florida Climate Zones (for projects without on-site renewables)</p> <p>If a project has on-site renewables and they are included in the ERI analysis, the 2024 IECC has separate Index requirements of 35 in Climate Zone 1 and 34 in Climate Zone 2</p> <p>Where approved by the code official, the 2024 IECC also allows use of an Average Dwelling Unit Energy Rating Index for buildings with 20 or more dwelling units</p> | Decreases stringency of FBC-EC wrt IECC                                                |
| Energy Rating Index | <p>FBC-EC R406.4</p> <p>IECC R406.5</p> | 2024 IECC continues to specify that both the proposed design and confirmed built dwelling unit be shown to meet ERI requirements                                                                                                                                                                                                                                                                                                                                                                          | None or somewhat decreases stringency of FBC-EC wrt IECC depending on typical practice |
| Energy Rating Index | <p>FBC-EC R406.5</p> <p>IECC R406.6</p> | <p>FBC-EC requires that verification be completed by an approved third party in accordance with Florida statute based Building Energy Efficiency Rating System</p> <p>IECC requires ERI compliance to be confirmed and documented by an approved third party, and</p>                                                                                                                                                                                                                                     | None or slightly increases stringency of FBC-EC depending on typical practice          |

| Provision Type      | Code Section                                 | Difference Summary                                                                                                                                                                                                                                                                                                                                                        | Anticipated Effect on FBC-EC Stringency wrt IECC <sup>1</sup>                                                                          |
|---------------------|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
|                     |                                              | verification of Section R406.2 requirements by the authority having jurisdiction an approved third-party inspection agency                                                                                                                                                                                                                                                |                                                                                                                                        |
| Energy Rating Index | FBC-EC<br>R406.7.2<br><br>IECC<br>R406.7.1   | FBC-EC requires that Section R406 analysis tools be approved by the code official<br><br>2021 IECC required that ERI software tools be approved in accordance with RESNET/ICC 301<br><br>2024 IECC adds that software vendors must publish documentation that the software tool has been validated using specified ANSI/ASHRAE 140 procedures                             | May slightly decrease stringency of FBC-EC wrt IECC                                                                                    |
| Energy Rating Index | FBC-EC<br>R406.6.2<br><br>IECC<br>R406.7.2   | 2024 IECC continues to stipulate that compliance documentation be created and submitted for both the proposed design and confirmed built dwelling unit, and moves expanded required information to Proposed and Confirmed subsections                                                                                                                                     | None or slightly decreases stringency of FBC-EC wrt IECC depending on typical practice                                                 |
| Energy Rating Index | <br><br><br><br><br><br><br>IECC<br>R406.7.3 | Revised IECC section, by reference to Prescriptive Section R404.4, stipulates renewable energy certificate (REC) documentation requirements<br><br>2026 FBC-EC includes similar but more detailed REC documentation stipulations for the off-site option for its Prescriptive R407.2.5 renewable energy Additional Efficiency Requirements option, but does not stipulate | Slight reduction in overall community energy use for applicable IECC ERI projects as these RECs will not be used for offsetting others |

| Provision Type                     | Code Section                 | Difference Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Anticipated Effect on FBC-EC Stringency wrt IECC <sup>1</sup>                    |
|------------------------------------|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|                                    |                              | REC documentation for ERI compliance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                  |
| Additional Efficiency Requirements | FBC-EC R407.2<br>IECC R408.2 | Significantly revised IECC section provides additional efficiency “credit” requirements for Prescriptive compliance, with envelope, equipment, appliance, on-site renewable energy, demand responsive thermostat, and lighting control credit options<br><br>2026 FBC-EC adds similar additional efficiency credit requirements for Prescriptive compliance as are included in the 2024 IECC; FBC-EC version has fewer overall credit options and a number of credit specifics and value changes from the IECC version, but is intended to equal IECC stringency | No stringency impact overall, but there may be differences in some cases         |
| CHAPTER 5 EXISTING BUILDINGS       |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                  |
| General                            | FBC-EC R501.7.2              | FBC-EC subsection prohibits electric resistance from being the primary space heating system type used for complete central equipment replacements in Climate Zone 2<br><br>Clarification document from Florida DBPR includes:<br><br>“...unless the total renovation cost exceeds thirty percent of the assessed value of the structure, Section R501.7.2 does not apply to the new installation or upgrade of HVAC equipment.”                                                                                                                                  | Increases FBC-EC stringency wrt IECC (in applicable equipment replacement cases) |
| Additions                          | FBC-EC R502.1.1.1            | Renumbered IECC section exempts new building thermal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | None or minor impact (in applicable cases)                                       |

| Provision Type | Code Section                                 | Difference Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Anticipated Effect on FBC-EC Stringency wrt IECC <sup>1</sup>                     |
|----------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|                | IECC<br>R502.2.1                             | <p>envelope assemblies that are part of an addition from the requirements of Section R402.5.1.2 (air leakage testing)</p> <p>FBC-EC has similar building air leakage testing exemption in Section R402.4.1.2 for additions for which the new construction is less than 85 percent of the building thermal envelope</p>                                                                                                                                                                                                           |                                                                                   |
| Additions      | FBC-EC<br>R502.1.1.2<br><br>IECC<br>R502.2.2 | <p>IECC Prescriptive compliance section specifies that HVAC ducts newly installed as part of an addition must comply with Section R403, with 2024 IECC changes exempting Sections R403.3.7 (duct system testing) and R403.3.8 (duct system leakage limits) for ductwork extending from an existing heating and cooling system to an addition</p> <p>FBC-EC provides a duct testing exception if the ducts from an existing heating and cooling system extend to an addition less than 40 linear feet in unconditioned spaces</p> | May slightly increase FBC-EC stringency wrt IECC (depending on what is installed) |
| Additions      | FBC-EC<br>R502.1.1.2                         | FBC-EC Section R403.7 (which includes equipment sizing requirements and electric resistance space heating prohibition for Climate Zone 2 prescriptive compliance) is added to the 2024 FBC-EC requirements for new heating, cooling, and duct systems that are part of an addition complying via the prescriptive method.                                                                                                                                                                                                        | Slightly increases FBC-EC stringency wrt IECC (in applicable cases)               |

| Provision Type | Code Section    | Difference Summary                                                                                                                                                                                                                                                                                                                                                                                                                    | Anticipated Effect on FBC-EC Stringency wrt IECC <sup>1</sup>                                                                |
|----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Additions      | IECC R502.2.5   | New 2024 IECC section requires five Table R408.2 additional efficiency credits for additions; some exceptions                                                                                                                                                                                                                                                                                                                         | Somewhat decreases stringency of FBC-EC wrt IECC (in applicable cases)                                                       |
| Alterations    | R503.1.1        | <p>2024 IECC has a revised building thermal envelope section for alterations, requiring building thermal envelope assemblies that are part of an alteration to comply with all of R402 instead of selected R402 sections in the 2021 IECC, and also revises its exceptions; also specifically notes Section R405 and R406 compliance options</p> <p>2026 FBC-EC is unchanged from 2023 FBC-EC which was very similar to 2021 IECC</p> | Impact will vary depending on project details, but overall may slightly decrease stringency of FBC-EC wrt IECC               |
| Alterations    | R503.1.1.1      | <p>2024 IECC changes section title from “Replacement fenestration” to “Fenestration alterations” and adds that new fenestration area added to an existing building must comply with Section R402.4 fenestration requirements</p> <p>FBC-EC does not address new fenestration area added to an existing building</p>                                                                                                                   | No change in impact for replacement fenestration; impact unclear for new added fenestration area, but likely minimal overall |
| Alterations    | IECC R503.1.1.2 | New 2024 IECC <i>Roof, ceiling and attic alterations</i> section requires these alterations comply with Section R402.1, but allows alternative approved designs that minimize deviations from R402.1 for certain listed alterations                                                                                                                                                                                                   | Minimal impact on stringency                                                                                                 |
| Alterations    | IECC R503.1.1.3 | New 2024 IECC <i>Above-grade wall alterations</i> section provides requirements for                                                                                                                                                                                                                                                                                                                                                   | Minimal impact on stringency                                                                                                 |

| Provision Type | Code Section    | Difference Summary                                                                                                                                                                                                                                                                                                                                                      | Anticipated Effect on FBC-EC Stringency wrt IECC <sup>1</sup>                        |
|----------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|                |                 | three different above grade wall alteration cases that include compliance with Section R402.1, but allows alternative approved designs that minimize deviations from Section R402.1                                                                                                                                                                                     |                                                                                      |
| Alterations    | IECC R503.1.1.4 | New 2024 IECC <i>Floor alterations</i> section requires that specified floor alterations comply with Section R402.1, but also allows for an alternative approved design                                                                                                                                                                                                 | Minimal impact on stringency                                                         |
| Alterations    | IECC R503.1.1.5 | New 2024 IECC <i>Below-grade wall alterations</i> section requires insulation in accordance with Section R402.1 for building thermal envelope walls where 1) these walls enclose unconditioned below-grade space changed to conditioned space, or 2) where the below-grade space is conditioned and the building thermal envelope walls enclosing the space are altered | Minimal impact on stringency                                                         |
| Alterations    | IECC R503.1.1.6 | New 2024 IECC <i>Air barrier</i> section requires that altered building thermal envelope assemblies be provided with an air barrier in accordance with Section R402.5, but also includes that building air leakage testing is not required                                                                                                                              | Minimal impact on stringency                                                         |
| Alterations    | R503.1.2        | Revised 2024 IECC Section R503.1.2: 1) requires that alterations to existing heating and cooling systems and ductwork comply with new Section R503.1.2 subsections, and 2) requires that new heating and cooling systems and ductwork that are part of                                                                                                                  | May slightly decrease FBC-EC stringency wrt IECC for new heating and cooling systems |

| Provision Type | Code Section                               | Difference Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Anticipated Effect on FBC-EC Stringency wrt IECC <sup>1</sup>          |
|----------------|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
|                |                                            | <p>an alteration comply with Section R403 and new Section R503.1.2 subsections</p> <p>An exception is provided where ductwork is extended from an existing heating and cooling system, and where it is demonstrated that compliance would result in equipment incompatibilities</p> <p>Corresponding FBC-EC Section R503.1.2 does not address altered heating, cooling, and duct systems that are part of an alteration (only new systems), except provides a duct testing exception if the ducts from an existing heating and cooling system extend to an alteration less than 40 linear feet in unconditioned spaces (addressed below)</p> |                                                                        |
| Alterations    | <p>IECC R503.1.2.1</p> <p>FBC R503.1.2</p> | <p>New IECC section specifies that HVAC ducts newly installed as part of an alteration must comply with Section R403, except where ductwork from an existing heating and cooling system is extended</p> <p>FBC-EC excepts projects from duct testing if the ducts from an existing heating and cooling system extend to an alteration less than 40 linear feet in unconditioned spaces</p>                                                                                                                                                                                                                                                   | May slightly increase FBC-EC stringency wrt IECC (in applicable cases) |
| Alterations    | IECC R503.1.2.2                            | New IECC section requires that new heating and cooling equipment that is part of an alteration be sized according to Section R403.7, with an exception for cases where it                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | May slightly decrease FBC-EC stringency wrt IECC (in applicable cases) |

| Provision Type | Code Section    | Difference Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Anticipated Effect on FBC-EC Stringency wrt IECC <sup>1</sup>                      |
|----------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
|                |                 | <p>has been demonstrated that compliance would result in incompatible equipment</p> <p>Corresponding FBC-EC Section R503.1.2 does not include a system sizing requirement for new heating and cooling systems that are part of an alteration</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                    |
| Alterations    | IECC R503.1.2.3 | <p>New IECC section requires duct testing according to Section R403.3.7 and duct leakage <math>\leq 0.12 Q_{ntot}</math> for alterations that include relocating 25% or more of the duct registers, or relocating 25% or more of the total duct length, or increasing total length of ductwork by 25% or more; exception provided for ducts entirely inside conditioned space</p> <p>FBC-EC Section R503.1.2 in part requires that new duct systems that are part of an alteration comply with Section R403.3 which includes duct testing and prescriptive duct leakage limits below <math>0.12 Q_{ntot}</math>, but does include a duct testing exception when ducts from an existing heating and cooling system extend to an addition less than 40 linear feet in unconditioned spaces</p> | May slightly increase or decrease FBC-EC stringency wrt IECC (in applicable cases) |
| Alterations    | IECC R503.1.2.4 | <p>New IECC section requires controls complying with Sections R403.1 and R403.2 for new heating and cooling equipment that is part of an alteration</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Little or no impact on stringency                                                  |

| Provision Type | Code Section  | Difference Summary                                                                                                                                                               | Anticipated Effect on FBC-EC Stringency wrt IECC <sup>1</sup>          |
|----------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
|                |               | FBC-EC has similar requirements per Section R503.1.2                                                                                                                             |                                                                        |
| Alterations    | IECC R503.1.5 | Outside of provided exceptions, new 2024 IECC section requires that substantial improvements comply with sufficient Table R408.2 measures to achieve not less than three credits | Slightly decreases stringency of FBC-EC wrt IECC (in applicable cases) |