

## Phased Implementation Plan

### **Phase 1 (Required at effective date of adoption of 2018 IECC):**

#### Water resistive barrier and flashing application (IBC/IRC):

- Plan Submittal
  - Provide flashing details
    - Windows
    - Roof areas
    - Per sections – IBC- 1404.4, IRC-703.4
  - Provide water resistive barrier
- Field Inspection
  - Water resistive barrier
  - Window flashing
    - Per sections – IBC- 1404.4, IRC-703.4

#### Air Barrier/sealing - Residential (IECC)

- Plan Submittal
  - Provide air barrier/sealing details from Table 402.4.1.1
- Field Inspection
  - Inspect to Table 402.4.1.1 and plans

#### Air Barrier/Sealing - Commercial (IECC)

- Plan Submittal
  - Depict what material will be used as air barrier and provide note for the joints and seams to be sealed.
    - Per section C402.5.1.1 and C402.5.1.2
- Field Inspection
  - Verify the air barrier has been installed with the joints and seams sealed.
    - Per sections C402.5.1.1 and C402.5.1.2

#### Thermal Envelope- Residential and Commercial (IECC)

- Plan Submittal
  - Declare on the plans which energy compliance path the project was designed to.
    - Provide energy reports per energy compliance path for project design
  - Show thermal envelope location on plans
  - Provide R-values
  - Provide U-factor for windows and doors
  - Provide SHGC for windows and doors with glass
- Field Inspections
  - Inspect the R-values for insulation
  - Inspect windows and doors with glass stickers – Residential
  - Inspect NFRC document for windows and doors with glass – Commercial
    - Per section C303.1.3

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### **Phase 2 (Required ? months after adoption of 2018 effective date):**

#### Whole House Mechanical Ventilation (IRC):

- Plan Submittal
  - Specify on plans the method of ventilation (exhaust only, supply only, balanced {HRV/ERV})
    - Per section 1505.4
- Field Inspections
  - Verify method has been installed per plan
    - Per section 1505.4

#### Blower Door Testing by Approved Third Party (Test performed after all penetrations have been installed in the thermal envelope) (IECC)

- Test results not to exceed 5 air changes an hour

#### Manual J, S, and D- Residential (IRC)

- Plan Submittal (Practicing and obtaining training to perform review of documents)
  - Provide a Manual J- Load Calculations from ACCA approved software
    - Per section 1401.3
  - Provide a Manual S- Equipment Sizing
    - Per section 1401.3
  - Provide a Manual D- Including duct layout and report
    - Per section 1601.1
- Field Inspection
  - Verify the size of heating equipment to Manual J report
    - Per section 1401.3
  - Verify the size of cooling equipment to Manual J report
    - Per section 1401.3
  - Verify duct layout to Manual D
    - Per section 1601.1

#### Compliance Certificates - Commercial

- Provide compliance certificates for plan review
  - Mechanical compliance certificate
  - Interior lighting compliance certificate
  - Exterior lighting compliance certificate

#### Mechanical Heating and Cooling Load Calculations- Commercial (IECC, IMC)

- Plan Submittal (Practicing and obtaining training to perform review of documents)
  - Provide Heating and cooling load calculations.
    - Per 312(IMC) and C403.1.1(IECC)
- Field Inspection
  - Verify the size of heating equipment to equipment schedule on plans

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- Verify the size of cooling equipment to equipment schedule on plans

### **Phase 3 (Required ? months after adoption of 2018 effective date):**

#### **Blower Door Testing by Approved Third Party (Test performed after all penetrations have been installed in the thermal envelope)**

- Test results not to exceed 3 air changes an hour

#### **Manual J, S, and D- Residential (IRC)**

- Plan Submittal
  - Perform review of Manual J- Load Calculations from ACCA approved software
    - Per section 1401.3
  - Perform review of Manual S- Equipment Sizing
    - Per section 1401.3
  - Perform review of Manual D- Including duct layout and report
    - Per section 1601.1
- Field Inspection
  - Verify the size of heating equipment to Manual J report
    - Per section 1401.3
  - Verify the size of cooling equipment to Manual J report
    - Per section 1401.3
  - Verify duct layout to Manual D
    - Per section 1601.1

#### **Duct testing- Residential (IECC)**

- Provide test results if ductwork is located outside of the thermal envelope
  - Per sections R403.3.3 and R403.3.4

#### **Additional Efficiency Package- Commercial (IECC)**

- Plan Submittal

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- Specify on plans which additional energy efficiency package will be utilized

### Mechanical Heating and Cooling Load Calculations- Commercial (IECC, IMC)

- Plan Submittal
  - Verify the heating and cooling equipment on the plans have been sized to the heating and cooling loads provided
    - Per 312(IMC) and C403.1.1, C403.3.1(IECC)
- Field Inspection
  - Verify the size of heating equipment to equipment schedule on plans
  - Verify the size of cooling equipment to equipment schedule on plans