

App. Approved \_\_\_\_\_  
Date \_\_\_\_\_ Authorized Official \_\_\_\_\_  
App. Disapproved \_\_\_\_\_  
Date \_\_\_\_\_ Authorized Official \_\_\_\_\_  
Sewer Permit No. \_\_\_\_\_  
Date \_\_\_\_\_

Electrical Permit No. \_\_\_\_\_  
Date \_\_\_\_\_  
Board Decisions \_\_\_\_\_ Case # \_\_\_\_\_

**TOWN OF CLAY**  
**4401 Route 31, Clay, NY 13041 (315) 652-3800**  
**RESIDENTIAL NEW HOUSE**  
**BUILDING PERMIT APPLICATION**  
Code Enforcement

Permit Number \_\_\_\_\_

Date Filed \_\_\_\_\_

Tax Map Number \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

\*\*\*Applicant – do not write above this line\*\*\*

Visit us online at: [www.townofclayny.gov](http://www.townofclayny.gov)

\_\_\_\_\_ New Building \* \_\_\_\_\_ SF \* # Bedrooms \_\_\_\_\_

**\* Required Information**

\* # Bathrooms \_\_\_\_\_

\* Habitable SF \_\_\_\_\_

\* Style \_\_\_\_\_

\* Model \_\_\_\_\_

**Building Permit Fees**

**BASED ON THE SCHEDULE BELOW:**

Up to 1500 Sq. Ft. \$ 600.00

1501 to 2000 Sq. Ft. \$ 800.00

2001 to 2500 Sq. Ft. \$1,000.00

2501 to 3000 Sq. Ft. \$1,200.00

3001 Sq. Ft. and up... \$1,400.00

**\*\*Square footage will be based on house square footage excluding garage square footage and unfinished basement space. Any discrepancies or additional square footage added during construction will be addressed before a Certificate of Occupancy will be issued.**

**Property Information**

Address or Tract/Lot \_\_\_\_\_

Zip \_\_\_\_\_

Zoning District \_\_\_\_\_

**Owner Information - PLEASE PRINT**

Property Owner \_\_\_\_\_

Owner's Address \_\_\_\_\_

Owner's Phone No. (H) \_\_\_\_\_ (W) \_\_\_\_\_

Owner's Signature: \_\_\_\_\_

**Value of Residence \$** \_\_\_\_\_

**Permit Fee: \$** \_\_\_\_\_

**Project Description** Description of Proposed Development or Intended Use \_\_\_\_\_

**Approved Plan Reference:**

Architect or Engineer \_\_\_\_\_ Phone \_\_\_\_\_

Company \_\_\_\_\_ Plan Date (Original) \_\_\_\_\_

Plan Title \_\_\_\_\_ Last Revision \_\_\_\_\_

Number of Pages \_\_\_\_\_

**Applicant Information: (if different from owner)**

x \_\_\_\_\_ is the \_\_\_\_\_  
(Name of individual signing application) (agent, contractor, corporate officer, etc.)

x \_\_\_\_\_ Zip \_\_\_\_\_  
(Address) (City) (State)

Phone \_\_\_\_\_

(Signature)

APPLICATION IS HEREBY MADE to the commissioner for the issuance of a Building Permit pursuant to the New York State Uniform Fire Prevention and Building Code for the construction of buildings, additions or alterations, or for removal or demolition, as herein described. The applicant agrees to comply with all applicable laws, ordinances and regulations.

**Contractor Information:**

Name of Contractor \_\_\_\_\_ Site Contact Person \_\_\_\_\_ Phone \_\_\_\_\_

Address \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

**Contractors Liability Insurance :** \_\_\_\_\_ ATTACHED, OR \_\_\_\_\_ ON FILE

**Workers' Compensation Insurance and Disability Insurance:** \_\_\_\_\_ ATTACHED, OR \_\_\_\_\_ ON FILE

Electrical work to be inspected by, and Certificate of Approval obtained from, the CNY Electrical Inspection Service, Commonwealth Electrical Inspection Service, Middle Department Inspection Agency or The Inspector.

Plumbing work to be inspected by, and Certificate of Approval obtained from, The Onondaga County Dept. of Health.

Please attach separate drawing (survey) showing clearly and distinctly all buildings, whether existing or proposed, and indicate all set-back dimensions from property lines. Show street names and indicate whether interior or corner lot.

**OFFICE USE:** ( ) Applicant ( ) Assessor ( ) File

5/11

Town of Clay

NOTICE OF UTILIZATION OF TRUSS TYPE CONSTRUCTION,  
PRE-ENGINEERED WOOD CONSTRUCTION AND/OR TIMBER  
CONSTRUCTION

Owner of Subject Property: \_\_\_\_\_

Subject Property: Street address and tax map number of the subject property  
\_\_\_\_\_

Check what permit is for

- ☐ New Residential Structure  
☐ Addition to existing residential structure  
☐ Rehabilitation to existing residential structure  
to be constructed or performed at the subject property reference above will utilize  
(Check applicable line)  
☐ truss type construction (TT)  
☐ pre-engineered wood construction (PW)  
☐ timber construction (TC)

in the following location(s) (check applicable line):

- ☐ floor framing, including girders and beams (F)  
☐ roof framing (R)  
☐ floor framing and roof framing (FR).

By signing and dating below you state the above information will be followed.

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

Signature of person submitting the form \_\_\_\_\_

Print Name of above person \_\_\_\_\_

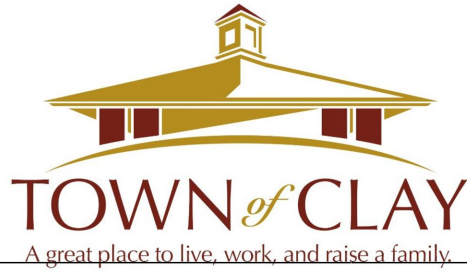
☐ owner ☐ owners representative

**Section 1265.4. Sign or symbol.**

- (a) Each new residential structure and each addition to or rehabilitation of an existing residential structure that utilizes truss type construction, pre-engineered wood construction and/or timber construction shall be identified by a sign or symbol in accordance with the provisions of this Part.
- (b) The sign or symbol required by this Part shall be affixed to the electric box attached to the exterior of the residential structure; provided, however, that:
- (1) if affixing the sign or symbol to the electric box would obscure any meter on the electric box, or if the utility providing electric service to the residential structure does not allow the sign or symbol to be affixed to the electric box, the sign or symbol shall be affixed to the exterior wall of the residential structure at a point immediately adjacent to the electric box; and
- (2) if no electric box is attached to the exterior of the residential structure or if, in the opinion of the authority having jurisdiction.

Department of Code Enforcement

4401 State Route 31  
Clay, New York 13041-8707  
Website:  
[www.townofclayny.gov](http://www.townofclayny.gov)



Phone: (315) 652-3800  
Fax: (315) 622-7259  
E-mail: [Codes@townofclay.org](mailto:Codes@townofclay.org)

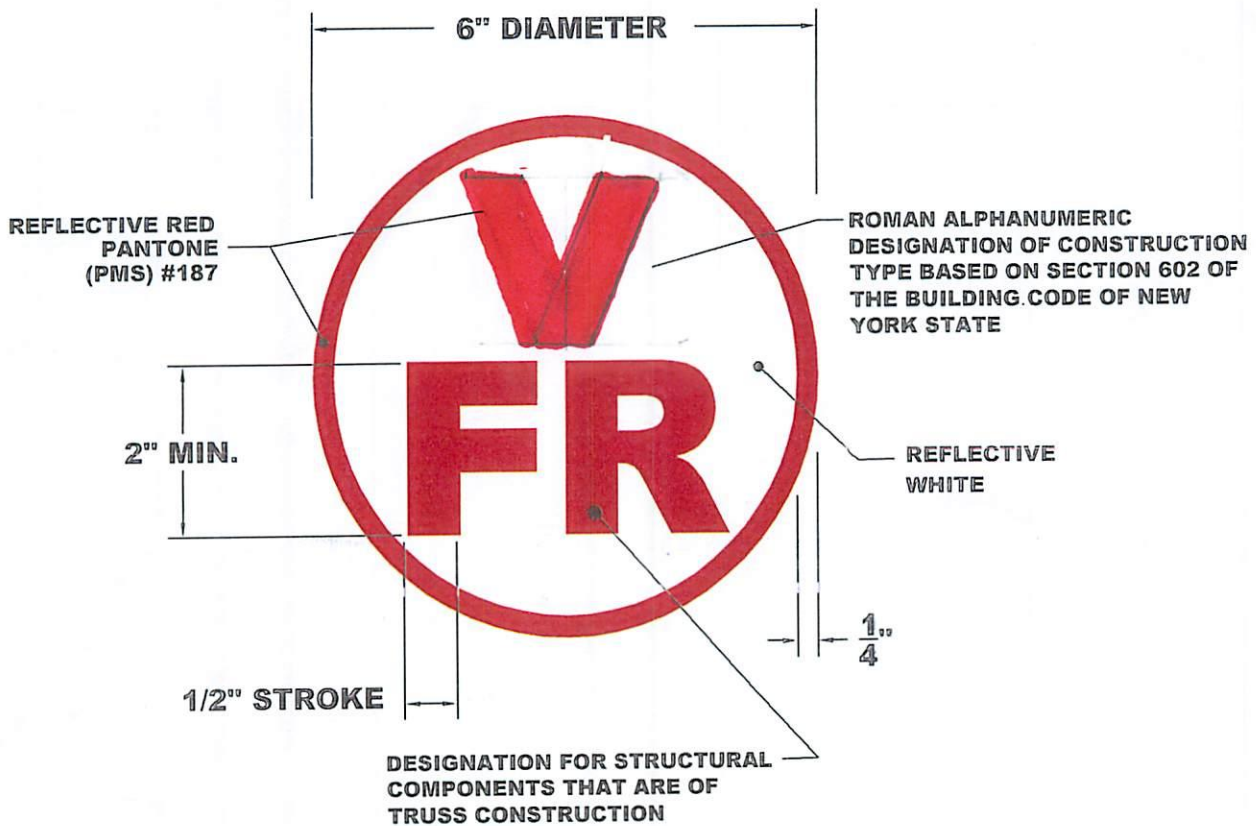
**PROCEDURES FOR OBTAINING A NEW PRESIDENTIAL HOME OR ADDITION BUILDING PERMIT**

- \_\_\_\_1. Permit Application
- \_\_\_\_2. 2 Sets of Stamped Architectural Drawings, one set of 11x17 drawings, and an electronic file.
- \_\_\_\_3. Driveway Permit      \_\_\_\_Town Road      \_\_\_\_County Road
- \_\_\_\_5. Truss Certifications
- \_\_\_\_6. Survey Showing Placement of New Home
- \_\_\_\_7. Approved Septic System and Well Design where applicable
- \_\_\_\_8 Contractor Certificate of Liability Insurance
- \_\_\_\_9. Contractor Certificate of NYS Workman's Compensation Insurance & Disability
- \_\_\_\_10. Fee (See Permit Application)
- \_\_\_\_11. Electrical Inspection Agencies (Choose One)
  - 1) CNY Electrical Inspection, LLC Larry Kinne (315-633-0027
  - 2) Commonwealth Electrical Inspection Service, 1-800-801-0309
  - 3) The Inspector, Tim Willsey 1-800-487-0535 or 315-247-9162
  - 4) Middle Department Inspection Agency, Aaron Bellows 315-452-5304

Permit approval time will be based on the extent of the project – A MINIMUM OF 5 BUSINESS DAYS

All plumbing, electrical and driveway permits must be applied for before the release of the building permit.

SAMPLE ONLY



|      |                                            |
|------|--------------------------------------------|
| "F"  | FLOOR FRAMING, INCLUDING GIRDERS AND BEAMS |
| "R"  | ROOF FRAMING                               |
| "FR" | FLOOR AND ROOF FRAMING                     |

TRUSS IDENTIFICATION SIGN  
COMPLIANCE WITH 19 NYCRR PART 1264

CODES DIVISION



DEPARTMENT OF STATE

EXAMPLE TRUSS IDENTIFICATION SIGN DATE:03/08/2005

**NEW YORK STATE DEPARTMENT OF STATE  
DIVISION OF CODE ENFORCEMENT  
AND ADMINISTRATION**

# Get Free Help from Energy Code Experts



NEW YORK  
STATE OF  
OPPORTUNITY

NYSERDA

## Residential Plan Review Checklist

2015 Residential Provisions as amended by the 2016 Energy Code Supplement

Project #: 43.6220.02- \_\_\_\_\_ Date: \_\_\_\_\_ Name of Evaluator(s): \_\_\_\_\_

Building Contact: Name: \_\_\_\_\_ Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Building Name & Address: \_\_\_\_\_

Subdivision: \_\_\_\_\_ Lot #: \_\_\_\_\_ Conditioned Floor Area: \_\_\_\_\_ ft<sup>2</sup>

Climate Zone: \_\_\_\_\_ County: \_\_\_\_\_ Jurisdiction: \_\_\_\_\_

Compliance Approach: ☐ Prescriptive ☐ Trade-Off ☐ Performance ☐ Compliance Software ☐ Other

Compliance Software Used: \_\_\_\_\_ Green Building/Above-Code Program? ☐ Yes ☐ No

Building Type: 1- and 2-Family, Detached: ☐ Single Family ☐ Modular ☐ Townhouse

Multifamily: ☐ Apartment ☐ Condominium

Project Type: ☐ New Building ☐ Existing Building Addition ☐ Existing Building Renovation

Special Considerations: ☐ Historic Building ☐ Commercial Space

Provisions Highlighted in Blue are Mandatory, Regardless of Compliance Path

| IECC<br>Section # | Pre-Inspection/Plan Review                                                                                         | Code<br>Value | Verified<br>Value          | Complies                 |                          |                          | Comments/Assumptions <sup>1</sup> |
|-------------------|--------------------------------------------------------------------------------------------------------------------|---------------|----------------------------|--------------------------|--------------------------|--------------------------|-----------------------------------|
|                   |                                                                                                                    |               |                            | Y                        | N                        | N/A                      |                                   |
| R103.2            | Construction drawings and documentation available. Documentation sufficiently demonstrates energy code compliance. |               |                            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                   |
|                   | Insulation materials and their R-values                                                                            |               |                            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                   |
|                   | Fenestration U-factors                                                                                             |               |                            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                   |
|                   | Area-weighted U-factor                                                                                             |               |                            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                   |
|                   | Mechanical system design criteria                                                                                  |               |                            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                   |
|                   | Mechanical and service water heating system and equipment types, sizes and efficiencies                            |               |                            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                   |
|                   | Equipment and systems controls                                                                                     |               |                            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                   |
|                   | Duct sealing, duct and pipe insulation and location                                                                |               |                            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                   |
|                   | Lighting fixture schedule with wattage                                                                             |               |                            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                   |
|                   | Air sealing                                                                                                        |               |                            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                   |
| R403.7            | HVAC loads calculations:<br>Heating system size(s):<br>Cooling system size(s):                                     |               | kBtu: _____<br>kBtu: _____ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                   |
|                   | Written Statement of Compliance from Design Professional                                                           |               |                            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                   |

<sup>1</sup> Use Comments/Assumptions to document code requirements that pass due to exceptions, and specify the exception. Also use Comments/Assumptions to document multiple values observed for a given code requirement, such as multiple equipment efficiencies.

| IECC<br>Section #                             | Requirement                                                                                                | Code Value                                                                                                          | Verified<br>Value                                                              | Complies                 |                          |                          | Comments/Assumptions |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|----------------------|
|                                               |                                                                                                            |                                                                                                                     |                                                                                | Y                        | N                        | N/A                      |                      |
| R401.3                                        | Certificate Posting                                                                                        | In furnace/<br>utility room or<br>approved<br>location                                                              | Identify<br>location                                                           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| Table<br>R402.1.2                             | Slab edge insulation R-value.                                                                              | Unheated: R-10<br>Heated: R-15                                                                                      | R-____<br><input type="checkbox"/> Unheated<br><input type="checkbox"/> Heated | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| Table<br>R402.1.2                             | Slab edge insulation<br>depth/length.                                                                      | 2 ft. Z-4 & 5<br>4 ft. Z-6                                                                                          | ____ ft.                                                                       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| Table<br>R402.1.2                             | Basement wall insulation<br>R-value <sup>i</sup> .                                                         | Continuous:<br>R-10 Z-4<br>R-15 Z-5, Z-6<br>Cavity:<br>R-13 Z-4<br>R-19 Z-5, Z-6                                    | R-____<br><br>R-____                                                           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.2.9                                      | Basement wall insulation depth.                                                                            | 10 ft. or to<br>basement floor                                                                                      | ____ ft.                                                                       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| Table<br>R402.1.2<br><br>And<br><br>R402.2.11 | Crawl space wall insulation<br>R-value.<br>From floor to finished grade,<br>plus 2' vertical or horizontal | Continuous:<br>R-10 Z-4<br>R-15 Z-5, Z-6<br>Cavity:<br>R-13 Z-4<br>R-19 Z-5, Z-6                                    | R-____<br><br>R-____                                                           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.2.11                                     | Crawl space continuous vapor<br>retarder                                                                   | Required<br>Class I                                                                                                 |                                                                                | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R303.2.1                                      | Exposed foundation insulation<br>protection.                                                               | 6" below grade                                                                                                      |                                                                                | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R403.9                                        | Snow melt controls.                                                                                        | Automatic<br>controls over<br>50°F                                                                                  |                                                                                | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| Table<br>R402.1.2                             | Fenestration U-factor <sup>ii</sup>                                                                        | Max:<br>U-0.35 Z-4<br>U-0.32 Z-5, Z-6                                                                               | U-____                                                                         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.5                                        | Maximum Fenestration U-factor,<br>Area weighted average<br>(trade-offs)                                    | Max:<br>U-0.48 Z-4, Z-5<br>U-0.40 Z-6                                                                               | U-____                                                                         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| Table<br>R402.1.2                             | Glazed Fenestration SHGC                                                                                   | Max:<br>0.40 Z-4<br>NR Z-5, Z-6                                                                                     | SHGC-____                                                                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.4.3                                      | Glazed fenestration air leakage.                                                                           | 0.3 cfm/ft <sup>2</sup> max                                                                                         | ____ cfm/ ft <sup>2</sup>                                                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
|                                               | Window Manufacturer                                                                                        |                                                                                                                     |                                                                                |                          |                          |                          |                      |
| R402.4.3                                      | Sliding door air leakage.                                                                                  | 0.3 cfm/ft <sup>2</sup> max                                                                                         | ____ cfm/ ft <sup>2</sup>                                                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.4.3                                      | Swinging door air leakage                                                                                  | 0.5 cfm/ft <sup>2</sup> max                                                                                         | ____ cfm/ ft <sup>2</sup>                                                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
|                                               | Door Manufacturer                                                                                          |                                                                                                                     |                                                                                |                          |                          |                          |                      |
| Table<br>R402.1.2                             | Floor insulation R-value.                                                                                  | Wood:<br>R-19 Z-4<br>R-30 Z-5 & 6 <sup>iii</sup><br>Steel: <sup>iv</sup><br>See footnote                            | R-____<br><br><input type="checkbox"/> Wood<br><input type="checkbox"/> Steel  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| Table<br>R402.1.2                             | Wall insulation R-value                                                                                    | Wood:<br>Z-4 and Z-5 =<br>R-20 or R-13+5<br><br>Z-6 =<br>R-20+5 or 13+10<br><br>Steel: <sup>v</sup><br>See footnote | R-____<br><br><input type="checkbox"/> Wood<br><input type="checkbox"/> Steel  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |

| IECC<br>Section # | Requirement                                                        | Code Value                                                                            | Verified<br>Value                                                             | Complies                 |                          |                          | Comments/Assumptions |
|-------------------|--------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|----------------------|
|                   |                                                                    |                                                                                       |                                                                               | Y                        | N                        | N/A                      |                      |
| Table<br>R402.1.2 | Ceiling insulation R-value                                         | Wood:<br>R-49 (All Zones)<br><br>Steel Truss <sup>vi</sup><br>R-38+5                  | R-____<br><br><input type="checkbox"/> Wood<br><input type="checkbox"/> Steel | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.2.3          | Eave Baffle                                                        | For air-<br>permeable<br>insulation                                                   |                                                                               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| Table<br>R402.1.2 | Mass wall insulation R-value.                                      | R-8/13 Z-4 <sup>vii</sup><br>R-13/17 Z-5 <sup>vii</sup><br>R-15/20 Z-6 <sup>vii</sup> | R-____                                                                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.2.13         | Sunroom wall insulation<br>(Enclosing conditioned space)           | Per Table<br>R402.1.2                                                                 | R-____                                                                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.2.13         | Sunroom wall insulation<br>(Thermally isolated and conditioned)    | R-13<br>All climate<br>zones                                                          | R-____                                                                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.2.13         | Sunroom ceiling insulation<br>(Enclosing conditioned space)        | Per Table<br>R402.1.2                                                                 | R-____                                                                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.2.13         | Sunroom ceiling insulation<br>(Thermally isolated and conditioned) | R-19 Z-4<br>R-24 Z-5, Z-6                                                             | R-____                                                                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.3.5          | Sunroom glazing U-factor<br>(Enclosing conditioned space)          | Per Table<br>R402.1.2                                                                 | U-____                                                                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.3.5          | Sunroom glazing U-factor<br>(Thermally isolated and conditioned)   | U-0.45 max.<br>(All Zones)                                                            | U-____                                                                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.3.5          | Sunroom skylight U-factor<br>(Enclosing conditioned space)         | Per Table<br>R402.1.2                                                                 | U-____                                                                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.3.5          | Sunroom skylight U-factor<br>(Thermally isolated and conditioned)  | U-0.70 max.<br>(All Zones)                                                            | U-____                                                                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
|                   | Skylight Manufacturer                                              |                                                                                       |                                                                               |                          |                          |                          |                      |
| R402.2.4          | Attic access hatch and door<br>(insulation)                        | R-49<br>(All Zones)                                                                   | R-____                                                                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.2.4          | Attic access hatch and door<br>(weather-stripping)                 | Wood frame<br>or equivalent<br>insul. retainer                                        |                                                                               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.4.6          | Tenant separation walls                                            | R-10 w/ air seal                                                                      | R-____                                                                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.4            | Air Leakage<br>(Building Thermal Envelope)                         | All building<br>materials<br>installed per<br>Table R402.1.1                          |                                                                               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.4.1.2        | Air Leakage Testing                                                | 3 air changes per<br>hour (All zones)                                                 | <input type="checkbox"/> Stated                                               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
|                   |                                                                    | Blower door test                                                                      | <input type="checkbox"/> Stated                                               |                          |                          |                          |                      |
| R402.4.5          | IC-rated recessed lighting<br>fixtures meet infiltration criteria. | ≤ 2.0 cfm air<br>leakage                                                              | <input type="checkbox"/> Stated                                               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
|                   |                                                                    | Sealed                                                                                | <input type="checkbox"/> Stated                                               |                          |                          |                          |                      |
| R402.4.4          | Rooms containing fuel burning<br>appliances                        | Outside or<br>enclosed in a<br>room                                                   | <input type="checkbox"/> Meets<br>exceptions                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.1.1          | Vapor Retarder (IRC R702.7)                                        | Class I or II<br>(Zones 5 and 6<br>only)                                              |                                                                               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R403.1.1          | Thermostat                                                         | Programmable                                                                          |                                                                               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |

| IECC<br>Section # | Requirement                                                              | Code Value                                                                                                                                      | Verified<br>Value                                                                                                                                       | Complies                 |                          |                          | Comments/Assumptions |
|-------------------|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|----------------------|
|                   |                                                                          |                                                                                                                                                 |                                                                                                                                                         | Y                        | N                        | N/A                      |                      |
| R403.3.1          | Duct insulation.                                                         | Supply & Return<br>in Attics:<br>R-8 for $\geq 3"$ Dia.<br>R-6 for $< 3"$ Dia.<br><br>Other:<br>R-6 for $\geq 3"$ Dia.<br>R-4.2 for $< 3"$ Dia. | <input type="checkbox"/> Inside<br>building<br>thermal<br>envelope<br>exception                                                                         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R403.3.2          | Duct sealing complies with<br>listed sealing methods.                    | All joints and<br>seams                                                                                                                         | <input type="checkbox"/> Meets<br>exception                                                                                                             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R403.3.3          | Duct Testing                                                             | 0.1 inch w.g.<br>pressure<br>differential<br><br>Rough-in test<br>required<br><br>Post<br>construction<br>test required                         | <input type="checkbox"/> Stated<br><br><input type="checkbox"/> Stated<br><br><input type="checkbox"/> Stated<br><br><input type="checkbox"/> Exception | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R403.3.5          | Building cavities NOT used as<br>ducts or plenums                        | Stated?<br>Shown?                                                                                                                               |                                                                                                                                                         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R403.4            | HVAC piping insulation.                                                  | R-3 ( $> 105^\circ\text{F}$ For<br>$< 55^\circ\text{F}$ )                                                                                       | R-_____                                                                                                                                                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R403.5.1          | Heated water circulation and<br>temperature maintenance<br>system        | Per<br>requirements of<br>Section<br>R403.5.1.1 or<br>R403.5.1.2                                                                                | <input type="checkbox"/> Circulation<br>System<br><br><input type="checkbox"/> Heat Trace<br>System                                                     | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R403.5.3          | Hot water pipe insulation                                                | R-3 per<br>specified<br>locations                                                                                                               |                                                                                                                                                         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R404.1            | Lighting – Minimum 75% of<br>lamps are high efficacy.                    |                                                                                                                                                 |                                                                                                                                                         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.4.2          | Wood burning fireplace                                                   | Tight-fitting<br>flue damper<br>or doors                                                                                                        |                                                                                                                                                         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R403.10           | Pool heaters, covers, and<br>automatic or accessible<br>manual controls. | Accessible<br>on/off switch.<br><br>Time Switch                                                                                                 |                                                                                                                                                         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |

<sup>ii</sup> One side-hinged door up to 24 ft<sup>2</sup> can be exempted from the prescriptive door U-factor requirements.

<sup>iii</sup> Or insulation sufficient to fill the cavity, R-19 minimum.

<sup>iv</sup> Floor steel frame equivalent: See Table R402.2.6

<sup>v</sup> Wall steel frame equivalent: See Table R402.2.6

<sup>vi</sup> Steel truss equivalent: See Table R402.2.6

<sup>vii</sup> The second R-value applies when more than half the insulation is on the interior of the mass wall.

**Table R402.4.1.1**  
**Air Barrier and Insulation Installation**



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| Component                                               | Air Barrier Criteria                                                                                                                                                                                                                                           | Insulation Installation Criteria                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General requirements                                    | A continuous air barrier shall be installed in the building envelope. The exterior thermal envelope contains a continuous air barrier. Breaks or joints in the air barrier shall be sealed.                                                                    | Air-permeable insulation shall not be used as a sealing material.                                                                                                                                                                                                                                                                                                                   |
| Ceiling/attic                                           | The air barrier in any dropped ceiling/soffit shall be aligned with the insulation mid any gaps in the air barrier shall be sealed. Access openings, drop down stairs or knee wall doors to unconditioned attic spaces shall be sealed.                        | The insulation in any dropped ceiling/soffit shall be aligned with the air barrier.                                                                                                                                                                                                                                                                                                 |
| Walls                                                   | The junction of the foundation and sill plate shall be sealed. The junction of the top plate and the top of exterior walls shall be sealed<br>Knee walls shall be sealed.                                                                                      | Cavities within comers and headers of frame walls shall be insulated by completely filling the cavity with a material having a thermal resistance of R-3 per inch minimum. Exterior thermal envelope insulation for framed walls shall be installed in substantial contact and continuous alignment with the air barrier.                                                           |
| Windows, skylights and doors                            | The space between window/door jambs and framing, and skylights and framing shall be sealed.                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                     |
| Rim Joists                                              | Rim joists shall include the air barrier.                                                                                                                                                                                                                      | Rim joists shall be insulated.                                                                                                                                                                                                                                                                                                                                                      |
| Floors (including above garage And cantilevered floors) | The air barrier shall be installed at any exposed edge of insulation.                                                                                                                                                                                          | Floor framing cavity insulation shall be installed to maintain permanent contact with (he underside of subfloor decking, or floor framing cavity insulation shall be permitted to be in contact with the top side of sheathing, or continuous insulation installed on the underside of floor framing and extends from the bottom to the top of all perimeter floor framing members. |
| Crawl space walls                                       | Exposed earth in unvented crawl spaces shall be covered with a Class I vapor retarder with overlapping joints taped.                                                                                                                                           | Where provided instead of floor insulation, insulation shall be permanently attached to the Crawlspace walls.                                                                                                                                                                                                                                                                       |
| Shafts, penetrations                                    | Duct shafts, utility penetrations, and flue shafts opening to exterior or unconditioned space shall be sealed.                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                     |
| Narrow cavities                                         |                                                                                                                                                                                                                                                                | Batts in narrow cavities shall be cut to fit, or narrow cavities shall be filled by insulation that on installation readily conforms to the available cavity space.                                                                                                                                                                                                                 |
| Garage separation                                       | Air sealing shall be provided between the garage and conditioned spaces.                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                     |
| Recessed lighting                                       | Recessed light fixtures installed in the building thermal envelope shall be sealed to the drywall.                                                                                                                                                             | Recessed light fixtures installed in the building thermal envelope shall be air tight and IC rated.                                                                                                                                                                                                                                                                                 |
| Plumbing and wiring                                     |                                                                                                                                                                                                                                                                | Batt insulation shall be cut neatly to fit around wiring and plumbing in exterior walls, or insulation that on installation readily conforms to available space shall extend behind piping and wiring                                                                                                                                                                               |
| Shower/tub on exterior wall                             | The air barrier installed at exterior walls adjacent to showers and tubs shall separate them from the showers and tubs.                                                                                                                                        | Exterior walls adjacent to showers and tubs shall Be installed.                                                                                                                                                                                                                                                                                                                     |
| Electrical/phone box on exterior wall                   | The air barrier shall be installed behind electrical or communication boxes or air-sealed boxes shall be installed.                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                     |
| HVAC register boots                                     | HVAC register boots that penetrate building thermal envelope shall be sealed to the subfloor or drywall.                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                     |
| Concealed sprinklers                                    | When required to be sealed, concealed fire sprinklers shall only be sealed in a manner that is recommended by the manufacturer. Caulking or other adhesive sealants shall not be used to fill voids between fire sprinkler cover plates and walls or ceilings. |                                                                                                                                                                                                                                                                                                                                                                                     |

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## Residential Inspection Checklist

2015 IECC Commercial Provisions as amended by the 2016 Energy Code Supplement

Project #: 43.6220.02- Date: Name of Evaluator(s):

Building Contact: Name: Phone: Email:

Building Name & Address:

Subdivision: Lot #: Conditioned Floor Area: ft<sup>2</sup>

Climate Zone: County: Jurisdiction:

Compliance Approach: ☐ Prescriptive ☐ Trade-Off ☐ Performance ☐ Compliance Software ☐ Other

Compliance Software Used: Green Building/Above-Code Program? ☐ Yes ☐ No

Building Type: 1- and 2-Family, Detached: ☐ Single Family ☐ Modular ☐ Townhouse

Multifamily: ☐ Apartment ☐ Condominium

Project Type: ☐ New Building ☐ Existing Building Addition ☐ Existing Building Renovation

Special Considerations: ☐ Historic Building ☐ Commercial Space

Provisions Highlighted in Blue are Mandatory, Regardless of Compliance Path

| IECC Section # | Pre-Inspection/Plan Review                                                                                         | Code Value | Verified Value             | Complies                 |                          |                          | Comments/Assumptions <sup>1</sup> |
|----------------|--------------------------------------------------------------------------------------------------------------------|------------|----------------------------|--------------------------|--------------------------|--------------------------|-----------------------------------|
|                |                                                                                                                    |            |                            | Y                        | N                        | N/A                      |                                   |
| R103.2         | Construction drawings and documentation available. Documentation sufficiently demonstrates energy code compliance. |            |                            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                   |
|                | Insulation materials and their R-values                                                                            |            |                            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                   |
|                | Fenestration U-factors                                                                                             |            |                            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                   |
|                | Area-weighted U-factor                                                                                             |            |                            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                   |
|                | Mechanical system design criteria                                                                                  |            |                            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                   |
|                | Mechanical and service water heating system and equipment types, sizes and efficiencies                            |            |                            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                   |
|                | Equipment and systems controls                                                                                     |            |                            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                   |
|                | Duct sealing, duct and pipe insulation and location                                                                |            |                            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                   |
|                | Lighting fixture schedule with wattage                                                                             |            |                            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                   |
|                | Air sealing                                                                                                        |            |                            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                   |
| R403.7         | HVAC loads calculations:<br>Heating system size(s):<br>Cooling system size(s):                                     |            | kBtu: _____<br>kBtu: _____ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                   |
|                | Written Statement of Compliance from Design Professional                                                           |            |                            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                   |

<sup>1</sup> Use Comments/Assumptions to document code requirements that pass due to exceptions, and specify the exception. Also use Comments/Assumptions to document multiple values observed for a given code requirement, such as multiple equipment efficiencies.

| IECC<br>Section #                             | Requirement                                                                                                | Code Value                                                                                                          | Verified<br>Value                                                              | Complies                 |                          |                          | Comments/Assumptions |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|----------------------|
|                                               |                                                                                                            |                                                                                                                     |                                                                                | Y                        | N                        | N/A                      |                      |
| R401.3                                        | Certificate Posting                                                                                        | In furnace/<br>utility room or<br>approved<br>location                                                              | Identify<br>location                                                           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| Table<br>R402.1.2                             | Slab edge insulation R-value.                                                                              | Unheated: R-10<br>Heated: R-15                                                                                      | R-____<br><input type="checkbox"/> Unheated<br><input type="checkbox"/> Heated | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| Table<br>R402.1.2                             | Slab edge insulation<br>depth/length.                                                                      | 2 ft. Z- 4 & 5<br>4 ft. Z-6                                                                                         | ____ ft.                                                                       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| Table<br>R402.1.2                             | Basement wall insulation<br>R-value <sup>i</sup> .                                                         | <b>Continuous:</b><br>R-10 Z-4<br>R-15 Z-5, Z-6<br><b>Cavity:</b><br>R-13 Z-4<br>R-19 Z-5, Z-6                      | R-____<br><br>R-____                                                           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.2.9                                      | Basement wall insulation depth.                                                                            | 10 ft. or to<br>basement floor                                                                                      | ____ ft.                                                                       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| Table<br>R402.1.2<br><br>And<br><br>R402.2.11 | Crawl space wall insulation<br>R-value.<br>From floor to finished grade,<br>plus 2' vertical or horizontal | <b>Continuous:</b><br>R-10 Z-4<br>R-15 Z-5, Z-6<br><b>Cavity:</b><br>R-13 Z-4<br>R-19 Z-5, Z-6                      | R-____<br><br>R-____                                                           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.2.11                                     | Crawl space continuous vapor<br>retarder                                                                   | Required<br>Class I                                                                                                 |                                                                                | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R303.2.1                                      | Exposed foundation insulation<br>protection.                                                               | 6" below grade                                                                                                      |                                                                                | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R403.9                                        | Snow melt controls.                                                                                        | Automatic<br>controls over<br>50°F                                                                                  |                                                                                | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| Table<br>R402.1.2                             | Fenestration U-factor <sup>ii</sup>                                                                        | Max:<br>U-0.35 Z-4<br>U-0.32 Z5, Z-6                                                                                | U-____                                                                         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.5                                        | Maximum Fenestration U-factor,<br>Area weighted average<br>(trade-offs)                                    | Max:<br>U-0.48 Z-4, Z-5<br>U-0.40 Z-6                                                                               | U-____                                                                         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| Table<br>R402.1.2                             | Glazed Fenestration SHGC                                                                                   | Max:<br>0.40 Z-4<br>NR Z-5, Z-6                                                                                     | SHGC-____                                                                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.4.3                                      | Glazed fenestration air leakage.                                                                           | 0.3 cfm/ft² max                                                                                                     | ____ cfm/ ft²                                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
|                                               | Window Manufacturer                                                                                        |                                                                                                                     |                                                                                |                          |                          |                          |                      |
| R402.4.3                                      | Sliding door air leakage.                                                                                  | 0.3 cfm/ft² max                                                                                                     | ____ cfm/ ft²                                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.4.3                                      | Swinging door air leakage                                                                                  | 0.5 cfm/ft² max                                                                                                     | ____ cfm/ ft²                                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
|                                               | Door Manufacturer                                                                                          |                                                                                                                     |                                                                                |                          |                          |                          |                      |
| Table<br>R402.1.2                             | Floor insulation R-value.                                                                                  | Wood:<br>R-19 Z-4<br>R-30 Z- 5 & 6 <sup>iii</sup><br>Steel: <sup>iv</sup><br>See footnote                           | R-____<br><br><input type="checkbox"/> Wood<br><input type="checkbox"/> Steel  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| Table<br>R402.1.2                             | Wall insulation R-value                                                                                    | Wood:<br>Z-4 and Z-5 =<br>R-20 or R-13+5<br><br>Z-6 =<br>R-20+5 or 13+10<br><br>Steel: <sup>v</sup><br>See footnote | R-____<br><br><input type="checkbox"/> Wood<br><input type="checkbox"/> Steel  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |

| IECC<br>Section # | Requirement                                                        | Code Value                                                                            | Verified<br>Value                                                             | Complies                 |                          |                          | Comments/Assumptions |
|-------------------|--------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|----------------------|
|                   |                                                                    |                                                                                       |                                                                               | Y                        | N                        | N/A                      |                      |
| Table<br>R402.1.2 | Ceiling insulation R-value                                         | Wood:<br>R-49 (All Zones)<br><br>Steel Truss <sup>vi</sup><br>R-38+5                  | R-____<br><br><input type="checkbox"/> Wood<br><input type="checkbox"/> Steel | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.2.3          | Eave Baffle                                                        | For air-<br>permeable<br>insulation                                                   |                                                                               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| Table<br>R402.1.2 | Mass wall insulation R-value.                                      | R-8/13 Z-4 <sup>vii</sup><br>R-13/17 Z-5 <sup>vii</sup><br>R-15/20 Z-6 <sup>vii</sup> | R-____                                                                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.2.13         | Sunroom wall insulation<br>(Enclosing conditioned space)           | Per Table<br>R402.1.2                                                                 | R-____                                                                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.2.13         | Sunroom wall insulation<br>(Thermally isolated and conditioned)    | R-13<br>All climate<br>zones                                                          | R-____                                                                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.2.13         | Sunroom ceiling insulation<br>(Enclosing conditioned space)        | Per Table<br>R402.1.2                                                                 | R-____                                                                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.2.13         | Sunroom ceiling insulation<br>(Thermally isolated and conditioned) | R-19 Z-4<br>R-24 Z-5, Z-6                                                             | R-____                                                                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.3.5          | Sunroom glazing U-factor<br>(Enclosing conditioned space)          | Per Table<br>R402.1.2                                                                 | U-____                                                                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.3.5          | Sunroom glazing U-factor<br>(Thermally isolated and conditioned)   | U-0.45 max.<br>(All Zones)                                                            | U-____                                                                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.3.5          | Sunroom skylight U-factor<br>(Enclosing conditioned space)         | Per Table<br>R402.1.2                                                                 | U-____                                                                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.3.5          | Sunroom skylight U-factor<br>(Thermally isolated and conditioned)  | U-0.70 max.<br>(All Zones)                                                            | U-____                                                                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
|                   | Skylight Manufacturer                                              |                                                                                       |                                                                               |                          |                          |                          |                      |
| R402.2.4          | Attic access hatch and door<br>(insulation)                        | R-49<br>(All Zones)                                                                   | R-____                                                                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.2.4          | Attic access hatch and door<br>(weather-stripping)                 | Wood frame<br>or equivalent<br>insul. retainer                                        |                                                                               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.4.6          | Tenant separation walls                                            | R-10 w/ air seal                                                                      | R-____                                                                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.4            | Air Leakage<br>(Building Thermal Envelope)                         | All building<br>materials<br>installed per<br>Table R402.1.1                          |                                                                               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.4.1.2        | Air Leakage Testing                                                | 3 air changes per<br>hour (All zones)                                                 | <input type="checkbox"/> Stated                                               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
|                   |                                                                    | Blower door test                                                                      | <input type="checkbox"/> Stated                                               |                          |                          |                          |                      |
| R402.4.5          | IC-rated recessed lighting<br>fixtures meet infiltration criteria. | ≤ 2.0 cfm air<br>leakage                                                              | <input type="checkbox"/> Stated                                               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
|                   |                                                                    | Sealed                                                                                | <input type="checkbox"/> Stated                                               |                          |                          |                          |                      |
| R402.4.4          | Rooms containing fuel burning<br>appliances                        | Outside or<br>enclosed in a<br>room                                                   | <input type="checkbox"/> Meets<br>exceptions                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.1.1          | Vapor Retarder (IRC R702.7)                                        | Class I or II<br>(Zones 5 and 6<br>only)                                              |                                                                               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R403.1.1          | Thermostat                                                         | Programmable                                                                          |                                                                               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |

| IECC<br>Section # | Requirement                                                              | Code Value                                                                                                                                      | Verified<br>Value                                                                                                                                       | Complies                 |                          |                          | Comments/Assumptions |
|-------------------|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|----------------------|
|                   |                                                                          |                                                                                                                                                 |                                                                                                                                                         | Y                        | N                        | N/A                      |                      |
| R403.3.1          | Duct insulation.                                                         | Supply & Return<br>in Attics:<br>R-8 for $\geq 3"$ Dia.<br>R-6 for $< 3"$ Dia.<br><br>Other:<br>R-6 for $\geq 3"$ Dia.<br>R-4.2 for $< 3"$ Dia. | <input type="checkbox"/> Inside<br>building<br>thermal<br>envelope<br>exception                                                                         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R403.3.2          | Duct sealing complies with<br>listed sealing methods.                    | All joints and<br>seams                                                                                                                         | <input type="checkbox"/> Meets<br>exception                                                                                                             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R403.3.3          | Duct Testing                                                             | 0.1 inch w.g.<br>pressure<br>differential<br><br>Rough-in test<br>required<br><br>Post<br>construction<br>test required                         | <input type="checkbox"/> Stated<br><br><input type="checkbox"/> Stated<br><br><input type="checkbox"/> Stated<br><br><input type="checkbox"/> Exception | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R403.3.5          | Building cavities NOT used as<br>ducts or plenums                        | Stated?<br>Shown?                                                                                                                               |                                                                                                                                                         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R403.4            | HVAC piping insulation.                                                  | R-3 ( $> 105^{\circ}\text{F}$ For<br>$< 55^{\circ}\text{F}$ )                                                                                   | R-_____                                                                                                                                                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R403.5.1          | Heated water circulation and<br>temperature maintenance<br>system        | Per<br>requirements of<br>Section<br>R403.5.1.1 or<br>R403.5.1.2                                                                                | <input type="checkbox"/> Circulation<br>System<br><br><input type="checkbox"/> Heat Trace<br>System                                                     | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R403.5.3          | Hot water pipe insulation                                                | R-3 per<br>specified<br>locations                                                                                                               |                                                                                                                                                         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R404.1            | Lighting – Minimum 75% of<br>lamps are high efficacy.                    |                                                                                                                                                 |                                                                                                                                                         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R402.4.2          | Wood burning fireplace                                                   | Tight-fitting<br>flue damper<br>or doors                                                                                                        |                                                                                                                                                         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| R403.10           | Pool heaters, covers, and<br>automatic or accessible<br>manual controls. | Accessible<br>on/off switch.<br><br>Time Switch                                                                                                 |                                                                                                                                                         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |

<sup>ii</sup> One side-hinged door up to 24 ft<sup>2</sup> can be exempted from the prescriptive door U-factor requirements.

<sup>iii</sup> Or insulation sufficient to fill the cavity, R-19 minimum.

<sup>iv</sup> Floor steel frame equivalent: See Table R402.2.6

<sup>v</sup> Wall steel frame equivalent: See Table R402.2.6

<sup>vi</sup> Steel truss equivalent: See Table R402.2.6

<sup>vii</sup> The second R-value applies when more than half the insulation is on the interior of the mass wall.