In accordance with Maryland Building Performance Standards and the currently adopted Harford County Building Code all residential structures must comply with the 2018 International Energy Conservation Code. All of the Mandatory provisions and either the Prescriptive or Performance based approach must be followed.

**Building Thermal Envelope Compliance Exception**

Section R402.1 General (Prescriptive). The following buildings, or portions thereof, separated from the remainder of the building by building thermal envelope assemblies complying with this section shall be exempt from the building thermal envelope provisions of Section R402.

1. Those with a peak design rate of energy usage less than 3.4 Btu/h · ft² (10.7 W/m²) or 1.0 watt/ft² (10.7 W/m²) of floor area for space conditioning purposes.
2. Those that do not contain conditioned space.

### Mandatory Requirements

- Section R402.1 Insulation and Fenestration
- Section R402.2 Insulation
- Section R402.3 Fenestration
- Section R402.4 Insulation
- Section R402.5 Maximum fenestration U-factor and SHGC

### U-Factor Alternative

- R402.1.4 General
  - R402.1.4.1 Insulation and Fenestration
  - R402.1.4.2 Eave Baffle
  - R402.1.4.3 Access Hatches and Doors
  - R402.1.4.4 Masonry Walls
  - R402.1.4.5 Steel-Frame Ceilings, Walls and Floors
  - R402.1.4.6 Masonry Sheathing
  - R402.1.4.7 Sunroom Insulation
  - R402.1.4.8 Sunroom Fenestration
  - R402.1.4.9 Sunroom Insulation
  - R402.1.4.10 Sunroom Fenestration
  - R402.1.4.11 Sunroom Insulation
  - R402.1.4.12 Sunroom Fenestration
  - R402.1.4.13 Sunroom Insulation

### Total UA-Alternative

- R402.1.5 General
  - R402.1.5.1 Insulation and Fenestration
  - R402.1.5.2 Eave Baffle
  - R402.1.5.3 Access Hatches and Doors
  - R402.1.5.4 Masonry Walls
  - R402.1.5.5 Steel-Frame Ceilings, Walls and Floors
  - R402.1.5.6 Masonry Sheathing
  - R402.1.5.7 Sunroom Insulation
  - R402.1.5.8 Sunroom Fenestration
  - R402.1.5.9 Sunroom Insulation
  - R402.1.5.10 Sunroom Fenestration
  - R402.1.5.11 Sunroom Insulation

### Performance

- R405 Simulated Performance Alternative
  - R405.1 Scope
  - R405.2 Mandatory Requirements
  - R405.3 Performance-Based Compliance
  - R405.4 Documentation
  - R405.5.2 Residence Specifications
  - R405.6.3 Additional Documentation

**Energy Rating Index**

- R406 Energy Rating Index Compliance Alternative
  - R406.1 Scope
  - R406.2 Mandatory Requirements
  - R406.3 Energy Rating Index
  - R406.4 Documentation
  - R406.5 Verification by Approved Agency

Choose one of the Compliance Methods below.
2018 IECC Residential Energy Efficiency Code

All new residential one and two family dwellings and additions to existing one and two family dwellings must comply with the residential provisions of the 2018 IECC unless the building is considered a “Low Energy Building” as defined in Section R402.1. Additions, alterations, renovations or repairs to single family dwellings can comply with the code without requiring the unaltered portion(s) to comply. An addition shall be deemed to comply with the code if the addition alone complies or if the existing building and addition comply with the code as a single building.

In addition to the mandatory provisions of the code, the Department must be advised by the applicant of the chosen compliance path by checking the applicable box. Additional detailed information on the mandatory provision and the provisions within each compliance path can be found in the Harford County Energy Code Compliance Check List. Additional compliance documentation must be submitted with this form for the Prescriptive UA Alternative, the Simulated Performance Alternative or the Energy Rating Index Compliance alternative path is selected.

Mandatory Requirements
All provisions must be complied with regardless of the compliance

Select One of the following

- Prescriptive R–Value
- Prescriptive U–Factor
- Total UA Alternative
  Must Submit Compliance Documentation
- Simulated Performance Alternative
  Must Submit Compliance Documentation
- ERI Compliance Alternative
  Must Submit Compliance Documentation
  Max Score = 62

Applicant/Project Information
New Single Family Dwelling: ☐
Addition: ☐
Addition is thermally isolated from existing construction ☐

Permit Applicant: ____________________________
(Signature) ______________
(Print Name) ______________
Date: ______________

Must be completed by Applicant

Permit Number: ____________________________
Department Approval: ____________________________

Additional documentation received: ☐