

Michigan Uniform Energy Code Compliance Form
Part 10 of the State Construction Code
R 408.31061 ET. SEQ.



Job Address: _____ Municipality: _____

Builder: _____ Submitted By: _____

Business Phone: () _____

Check Method of Compliance: Prescriptive _____ Systems Approach _____

NOTE: *Systems Approach method requires an energy analysis comparison report (ARF 1086.3)
(Please See Attached)*

1. Gross area of exterior walls (in sq ft.): _____
2. Square feet of fenestration openings: _____
3. Percent of fenestration exterior wall opening: _____%
4. If fenestration openings exceed 20% of gross exterior wall area, indicate the specific trade-off option that will be used for compliance. (R408.31081) _____
_____.
5. Indicate the percentage of exposed basement wall area (Sq Ft. of exposed basement wall divided by sq ft. of gross area of exterior wall) _____.
6. Indicate the "R" value and type of insulation proposed for use on basement walls to bring exposure down to 7% of the gross area of exterior walls. (R408.31081) _____.
7. Attach documentation for certified or labeled "R" values of all pre-manufactured fenestration products including windows, doors and skylights. (R408.31071)

8. Indicate the proposed insulation "R" values for each component

Walls _____ Slab on Grade Floors _____ Floors over Unconditioned Space _____
(R408.31074) (R408.31078) (R408.31077)

Ceiling/Roof _____ Crawl Space Walls _____
(R408.31076) (R408.31079)

9. I agree that at the time of inspection, the insulation installer shall provide a certificate for any blown-in or sprayed insulation that lists the following information:
 - a. The Initial Thickness
 - b. The Settled Thickness
 - c. The Coverage Area
 - d. The Number of Bags Used

X _____

| FOUNDATION/FLOOR | SUBTOTALS |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| Floors Over Unconditioned Spaces | |
| A _____ /R _____ = A/R _____ = | _____ |
| | LINE 8 |
| Slab on Grade Floors (Area = Perimeter x 2') | |
| A _____ /R _____ = A/R _____ = | _____ |
| | LINE 9 |
| Crawl Space Walls (Area: Top foundation wall to average finished grade) | |
| A _____ /R _____ = A/R _____ = | _____ |
| | LINE 10 |
| Basement Walls (Area: Top foundation wall to average finished grade) | |
| A ₁ _____ /R ₁ _____ = A ₁ /R ₁ _____ | |
| A ₂ _____ /R ₂ _____ = A ₂ /R ₂ _____ | |
| | A ₁ /R ₁ +A ₂ /R ₂ = _____ |
| | LINE 11 |
| Basement Windows | |
| A _____ /R _____ = A/R _____ = | _____ |
| Total Gross Basement Wall Area | _____ |
| | LINE 12 |
| FOUNDATION/FLOOR SUBTOTAL A/R (Lines: 8+9+10+11+12) | _____ |
| | LINE 13 |
| PROSPED ALTERNATIVE HOUSE SUB-TOTAL A/R (Lines 1+7+13) | _____ |
| | LINE 14 |
| HEATING EQUIPMENT EFFICIENCY (If the same as Standard House, go to line 16 or 17) (Oil or Gas Fired) AFUE: _____ % Line 14: _____ = Adjusted A/R = AFUE: 0. _____ | _____ |
| | LINE 15 |
| AIR LEAKAGE RATE (If the same Standard House, go to line 17) ACH x _____ ft ³ x 0.018 = Air Change per Hour Volume of House | _____ |
| | LINE 16 |
| PROPOSED ALTERNATIVE HOUSE TOTAL (Lines: 15+16) Equal to or less than line L to pass | _____ |
| | LINE 17 |

| FOUNDATION/FLOOR | SUBTOTALS |
|----------------------------------------------------------------------------------------------------------------------|----------------------|
| Floors Over Unconditioned Spaces | |
| Z ₁ 0.05 | |
| x Z ₂ 0.05 = | _____ |
| Total Floor Area | Z ₃ 0.033 |
| | LINE C |
| Slab on Grade (Unheated) | |
| Z ₁ 0.17 | |
| x Z ₂ 0.15 = | _____ |
| Total Slab Edge Area | Z ₃ 0.13 |
| | LINE D |
| Slab on Grade (Heated) | |
| Z ₁ 0.12 | |
| x Z ₂ 0.11 = | _____ |
| Total Slab Edge Area | Z ₃ 0.10 |
| | LINE E |
| Crawl Space | |
| Z ₁ 0.16 | |
| x Z ₂ 0.15 = | _____ |
| Total Crawl Space Wall Area | Z ₃ 0.13 |
| | LINE F |
| Basement Walls | |
| Z ₁ 0.16 | |
| x Z ₂ 0.15 = | _____ |
| Total Gross Basement Wall Area | Z ₃ 0.13 |
| | LINE G |
| FOUNDATION/FLOOR SUBTOTAL A/R (Lines C+D+E+F+G) | _____ |
| | LINE H |
| STANDARD DESIGN HOUSE SUB-TOTAL A/R (Lines A+B+H) | _____ |
| | LINE I |
| HEATING EQUIPMENT EFFICIENCY (Oil or Gas Fired) AFUE : 78% Line I: _____ = Adjusted A/R = AFUE: 0.78 | _____ |
| | LINE J |
| AIR LEAKAGE RATE 0.8 ACH x _____ ft ³ x 0.018 = Volume of House | _____ |
| | LINE K |
| STANDARD DESIGN LIMIT TOTAL (Lines: J+K) | _____ |
| | LINE L |