



INSULATION MINIMUM R-VALUES AND FENESTRATION REQUIREMENTS BY COMPONENTS per Table R402.1.3

WINDOW U-Factor (Fenestration):0.30 (maximum)

SKYLIGHT U-Factor (Fenestration):0.50 (maximum)

WALL:R-20 + R5ci OR R-13 + R10ci (ci = continuous insulation)

ATTIC-TYPE CEILING:.....R-60 (insulation tapers over eave)

R402.2.1 Ceilings with Attic Spaces:

Where Section R402.1.3 would require R-60 in the ceiling or attic, installing R-49 over 100 percent of the ceiling area requiring insulation shall satisfy the requirement for R-60 wherever the full height of uncompressed R-49 insulation extends over the wall top plate at the eaves. (raised heel trusses). This reduction shall not apply to the insulation and fenestration criteria in Section R402.1.2 and the total UA alternative in Section R402.1.5.

VAULTED CEILING: R-38 if the full insulation depth extends over the top plate of the exterior wall.

FLOORS (over crawl space):R-30

SLAB-ON-GRADE FLOOR:R-10, 4ft.

Click on hyperlink below for *Slabs & Below-Grade Walls: Prescriptive Path*

<https://www.energy.wsu.edu/documents/FAQ%20Slabs%20prescriptive%20requirements~2023-12-20.pdf>

BASEMENT WALLS: R-21 + R-5 thermal break between floor slab and basement wall.

NOTE: When selecting any Efficient Building Envelope credit option, (1.1, 1.2, 1.3 or 1.4), prescriptive compliance is based on Table R402.1.3 with modifications.

EXCEPTIONS to the RULE

Using the C3 (Code Compliance Calculator) provided by the WSU Energy Program

<https://www.energy.wsu.edu/BuildingEfficiency/EnergyCode/CodeForms.aspx>

NOTE: C3 replaces the UA Alternative Worksheet (formerly referred to as the Component Performance worksheet) and integrates the glazing schedule, the heating system sizing worksheet, AND a ventilation calculator which determines whole house mechanical ventilation airflow rate per IRC and IMC, and a maximum allowable duct leakage calculator per RS-33.