

This form is intended to clarify the compliance with Section 9.36, Tier 2 performance path.
Must be completed by a competent person who is knowledgeable, experienced, and trained in building design under Section 9.36 of the NBC and acceptable to the Authority Having Jurisdiction

| Project Information | |
|---|--------------------------------|
| Address: | Climate Zone: 7A |
| Occupancy Class: | Conditioned Space Volume (m3): |
| Energy performance compliance path 9.36.5. & 9.36.7. applies only to: <ul style="list-style-type: none"> Houses with or without a secondary suite; Buildings containing only dwelling units and common spaces whose floor area does not exceed 20% of the floor area of the building; and <p>The full modelling report generated by an ANSI/ASHRAE 140 compliant software package or Hot 2000 software is required to be submitted.</p> | |

| Input parameters (not required for EnerGuide compliance) | Reference Model | Proposed Model |
|--|--|----------------|
| Airtightness (air exchanges per hour @ 50 Pa) | | |
| Heat loss/Heat gain | | |
| HRV Efficiency | | |
| Thermal mass (MJ/m ² ·°C) | | |
| Ventilation rate (l/s) | | |
| Fenestration and door to wall ratio (FDWR) – reference (%) | | |
| Direction of front elevation (clearly indicate one) | <input type="checkbox"/> N <input type="checkbox"/> NE <input type="checkbox"/> E <input type="checkbox"/> SE <input type="checkbox"/> S <input type="checkbox"/> SW <input type="checkbox"/> W <input type="checkbox"/> NW | |
| Area of windows and doors | Front elevation (m ²) | |
| | Rear elevation (m ²) | |
| | Left elevation (m ²) | |
| | Right elevation (m ²) | |
| | Total area of windows (m ²) | |
| | Total area of opaque doors (m ²) | |
| Energy use (GJ) | | |

| Software Information | |
|---|---------|
| Software title | Version |
| Is software Hot2000 or ANSI/ASHRAE 140 compliant? Modelling summary reports generated for both the reference and proposed houses are required to be attached. | |
| <input type="checkbox"/> Yes <input type="checkbox"/> No | |

Compliance via Tiered Performance Results (9.36.7.)

| Energy Performance Metrics (not Required for Energuide Compliance) | Reference Model | Proposed Model | Target Energy Performance |
|---|-----------------|----------------|---------------------------|
| Total volume of conditioned space within the building or house > 300m³ and where volume is not determined | | | |
| Percent heat loss reduction (Required: ≥ 5%) (calculated by subtracting the annual gross space heat loss of the proposed house from the annual gross space heat loss of the reference house and dividing the result by annual gross space heat loss of the reference house) | | | Achieved: |

| | | | |
|---|--|--|--|
| Percent improvement (Required: $\geq 10\%$) (calculated by subtracting the annual energy consumption of the proposed house from the house energy target of the reference house and dividing the result by the house energy target of the reference house), <i>or</i> | | | Achieved: |
| | | | or |
| Percent house energy target (Required: $\leq 90\%$) (calculated by dividing the annual energy consumption of the proposed house by the house energy target of the reference house) | | | Achieved: |
| Peak cooling load (\leq reference house) | | | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Total volume of conditioned space within the building or house $\leq 300\text{m}^3$. | | | |
| Percent house energy target (Required: $\leq 100\%$) (calculated by dividing the annual energy consumption of the proposed house by the house energy target of the reference house) | | | Achieved: |

| Declaration | |
|---|-----------------|
| Name: | Company: |
| Email: | Phone: |
| <i>I hereby certify that the calculations submitted were prepared in full accordance with Subsection 9.36.5 of the 2020 NBC or the EnerGuide Rating System and the operation procedures of the software.</i> | |
| <input type="checkbox"/> Subsection 9.36.5. of the 2020 NBC <input type="checkbox"/> Alternative Solution (attach supporting documents) <input type="checkbox"/> EnerGuide Rating System, v15. I am a qualified Energy Advisor and the submitted design achieves the minimum 10% annual energy improvement target of 2020 NBC, Tier 2. (a compliance summary will be submitted prior to full occupancy) | |
| Print Name _____ | |
| Signature _____ | Date _____ |

Where the air-leakage rate is a value less than 3.2 ACH@50 Pa, an airtightness test is required to be conducted. Provide the Airtightness Certificate to inspections@saskatoon.ca once complete but required prior to occupancy.