

**Project Information**

Address: _____		BPA Number (Office use only) _____
Occupancy Classification(s): _____	Floor Area(s) (m <sup>2</sup> ): _____	Climate Zone: _____

**\*\*\* Note: In addition to the submission of trade-off calculations, the prescriptive form shall be completed and submitted \*\*\***

**Applies to the design and construction of all *buildings* and *additions* including:**

- *Buildings of residential occupancy* to which Part 9 applies;
- *Buildings containing business and personal services, mercantile or low hazard industrial occupancies* to which Part 9 applies to whose combined floor area does not exceed 300 m<sup>2</sup>, excluding parking garages serving residential occupancies.;
- *Buildings* containing any mixture of the above two.
- *Additions* where the total gross floor area of the proposed addition(s) is more than 10 m<sup>2</sup>.

**Form to be completed by a *competent person***

*Competent person* is defined as a person who is familiar and fluent with building design under Section 9.36 of the NBC and acceptable to the Authority Having Jurisdiction.

**Trade-off**

*Please check off all that apply.*

- Opaque to opaque** – One or more above-ground opaque building envelope assemblies are permitted to be less than required, provided one or more above-ground opaque building envelope assemblies are increased to more than required.
- Walls and joist type roofs must maintain minimum 55% of the required RSI<sub>eff</sub>
  - All other assemblies must be minimum 60% of the required RSI<sub>eff</sub>
  - The sum of the areas of all traded assemblies divided by their RSI<sub>eff</sub> must be less than or equal to what it would have been if all assemblies had met 9.36.2.6
- Transparent to transparent** – One or more windows are permitted to be less than required, provided one or more windows are increased to be more than required.
- The traded windows must have the same orientation.
  - The sum of the areas of all traded windows divided by their RSI<sub>eff</sub> must be less than or equal to what it would have been if all windows had met 9.36.2.7
- Opaque to transparent** – This option is meant to allow reduced insulation for factory-constructed buildings with a low floor to ceiling height and a fenestration and door area to gross wall area ratio of 15% or less.

All calculations are attached with this form as required.

The location and extent of assemblies used in the calculation are clearly identified on the drawings by hatch.

**Declaration**

*I hereby certify that the calculations submitted were prepared in full accordance with Section 9.36.*

Print Name \_\_\_\_\_

Signature \_\_\_\_\_

Date \_\_\_\_\_